

Eastern Drainage Ditch Sediment Sample PCB Congener Results

11-D(0-3) (Duplicate of 11-B(0-3))

April 12, 2005

Amtrak Former Fueling Facility

4001 Vandever Avenue

Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,3',4,5',6-Pentachlorobiphenyl	121		1210000	U
2,3,3',4',5'-Pentachlorobiphenyl	122	13800000	856000	J
2,3',4,4',5'-Pentachlorobiphenyl	123	9380000	701000	J
2,3',4',5,5'-Pentachlorobiphenyl	124		814000	C108
2,3',4',5',6-Pentachlorobiphenyl	125		1360000	C86
3,3',4,4',5-Pentachlorobiphenyl	126	37600000	759000	
3,3',4,5,5'-Pentachlorobiphenyl	127		757000	U
2,2',3,3',4,4'-Hexachlorobiphenyl	128	762000000	1600000	C
2,2',3,3',4,5-Hexachlorobiphenyl	129	12400000000	1640000	C
2,2',3,3',4,5'-Hexachlorobiphenyl	130	572000000	2080000	
2,2',3,3',4,6-Hexachlorobiphenyl	131	786000000	2100000	
2,2',3,3',4,6'-Hexachlorobiphenyl	132	3670000000	2040000	
2,2',3,3',5,5'-Hexachlorobiphenyl	133	179000000	1920000	
2,2',3,3',5,6-Hexachlorobiphenyl	134	472000000	2090000	C
2,2',3,3',5,6'-Hexachlorobiphenyl	135	5340000000	2950000	C
2,2',3,3',6,6'-Hexachlorobiphenyl	136	1750000000	2190000	
2,2',3,4,4',5-Hexachlorobiphenyl	137	1080000000	1570000	C
2,2',3,4,4',5'-Hexachlorobiphenyl	138		1640000	C129
2,2',3,4,4',6-Hexachlorobiphenyl	139	580000000	1760000	C
2,2',3,4,4',6'-Hexachlorobiphenyl	140		1760000	C139
2,2',3,4,5,5'-Hexachlorobiphenyl	141	3240000000	1860000	
2,2',3,4,5,6-Hexachlorobiphenyl	142		2060000	U
2,2',3,4,5,6'-Hexachlorobiphenyl	143		2090000	C134
2,2',3,4,5',6-Hexachlorobiphenyl	144	735000000	2880000	
2,2',3,4,6,6'-Hexachlorobiphenyl	145		2230000	U
2,2',3,4',5,5'-Hexachlorobiphenyl	146	2120000000	1690000	
2,2',3,4',5,6-Hexachlorobiphenyl	147	10900000000	1690000	C
2,2',3,4',5,6'-Hexachlorobiphenyl	148	110000000	2940000	QJ
2,2',3,4',5',6-Hexachlorobiphenyl	149		1690000	C147
2,2',3,4',6,6'-Hexachlorobiphenyl	150	13100000	2140000	J
2,2',3,5,5',6-Hexachlorobiphenyl	151		2950000	C135
2,2',3,5,6,6'-Hexachlorobiphenyl	152		2110000	U
2,2',4,4',5,5'-Hexachlorobiphenyl	153	13200000000	1440000	C
2,2',4,4',5,6'-Hexachlorobiphenyl	154	809000000	2520000	
2,2',4,4',6,6'-Hexachlorobiphenyl	155		2050000	U
2,3,3',4,4',5-Hexachlorobiphenyl	156	753000000	1310000	C
2,3,3',4,4',5'-Hexachlorobiphenyl	157		1310000	C156
2,3,3',4,4',6-Hexachlorobiphenyl	158	1040000000	1250000	
2,3,3',4,5,5'-Hexachlorobiphenyl	159	244000000	1320000	
2,3,3',4,5,6-Hexachlorobiphenyl	160		1460000	U

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COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,3,3',4,5',6-Hexachlorobiphenyl	161		1360000	U
2,3,3',4',5,5'-Hexachlorobiphenyl	162	44600000	1310000	
2,3,3',4',5,6-Hexachlorobiphenyl	163		1640000	C129
2,3,3',4',5',6-Hexachlorobiphenyl	164		1570000	C137
2,3,3',5,5',6-Hexachlorobiphenyl	165	5740000	1490000	J
2,3,4,4',5,6-Hexachlorobiphenyl	166		1600000	C128
2,3',4,4',5,5'-Hexachlorobiphenyl	167	444000000	1130000	
2,3',4,4',5',6-Hexachlorobiphenyl	168		1440000	C153
3,3',4,4',5,5'-Hexachlorobiphenyl	169	20700000	1180000	QJ
2,2',3,3',4,4',5-Heptachlorobiphenyl	170	4510000000	1330000	
2,2',3,3',4,4',6-Heptachlorobiphenyl	171	1710000000	1570000	C
2,2',3,3',4,5,5'-Heptachlorobiphenyl	172	982000000	1590000	
2,2',3,3',4,5,6-Heptachlorobiphenyl	173		1570000	C171
2,2',3,3',4,5,6'-Heptachlorobiphenyl	174	5730000000	1470000	
2,2',3,3',4,5',6-Heptachlorobiphenyl	175	242000000	1410000	
2,2',3,3',4,6,6'-Heptachlorobiphenyl	176	769000000	1120000	
2,2',3,3',4,5',6'-Heptachlorobiphenyl	177	3260000000	1570000	
2,2',3,3',5,5',6-Heptachlorobiphenyl	178	1070000000	1510000	
2,2',3,3',5,6,6'-Heptachlorobiphenyl	179	2360000000	1100000	
2,2',3,4,4',5,5'-Heptachlorobiphenyl	180	1140000000	1100000	C
2,2',3,4,4',5,6-Heptachlorobiphenyl	181	20300000	1470000	J
2,2',3,4,4',5,6'-Heptachlorobiphenyl	182	16900000	1420000	QJ
2,2',3,4,4',5',6-Heptachlorobiphenyl	183	4010000000	1410000	C
2,2',3,4,4',6,6'-Heptachlorobiphenyl	184	2470000	1040000	QJ
2,2',3,4,5,5',6-Heptachlorobiphenyl	185		1410000	C183
2,2',3,4,5,6,6'-Heptachlorobiphenyl	186		1130000	U
2,2',3,4',5,5',6-Heptachlorobiphenyl	187	6230000000	1330000	
2,2',3,4',5,6,6'-Heptachlorobiphenyl	188	2980000	1080000	QJ
2,3,3',4,4',5,5'-Heptachlorobiphenyl	189	215000000	882000	
2,3,3',4,4',5,6-Heptachlorobiphenyl	190	1050000000	1130000	
2,3,3',4,4',5',6-Heptachlorobiphenyl	191	225000000	1110000	
2,3,3',4,5,5',6-Heptachlorobiphenyl	192		1200000	U
2,3,3',4',5,5',6-Heptachlorobiphenyl	193		1200000	C180
2,2',3,3',4,4',5,5'-Octachlorobiphenyl	194	2600000000	1100000	
2,2',3,3',4,4',5,6-Octachlorobiphenyl	195	1080000000	1210000	
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	196	1510000000	1650000	
2,2',3,3',4,4',6,6'-Octachlorobiphenyl	197	434000000	1200000	C
2,2',3,3',4,5,5',6-Octachlorobiphenyl	198	2630000000	1640000	C
2,2',3,3',4,5,5',6'-Octachlorobiphenyl	199		1640000	C198
2,2',3,3',4,5,6,6'-Octachlorobiphenyl	200		1200000	C197

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2,2',3,3',4,5',6,6'-Octachlorobiphenyl	201	345000000	1200000	
2,2',3,3',5,5',6,6'-Octachlorobiphenyl	202	418000000	1270000	
2,2',3,4,4',5,5',6-Octachlorobiphenyl	203	1570000000	1510000	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl	204		1240000	U
2,3,3',4,4',5,5',6-Octachlorobiphenyl	205	115000000	766000	
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	206	280000000	1140000	
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	207	495000000	1030000	
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	208	562000000	990000	
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	209		1050000	B

TOTAL = 131,858,781,000

Notes:

- B = Analyte is present in the associated method blank at a reportable level.
- C = Co-eluting congener. Reported value is the total sum of the co-eluting congener(s).
- Cx = Corresponding number (x) represents the co-eluting congener. See (x) for the summed results.
- J = Estimated value.
- U = Not detected.
- Q = Estimated maximum possible concentration.
- pg/kg = Picograms per kilogram.
- Analytical data validated by SECOR personnel

Eastern Drainage Ditch Sediment Sample PCB Congener Results

12-A

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4001 Vandever Avenue

Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2-Chlorobiphenyl	1		1180000	U
3-Chlorobiphenyl	2		1080000	U
4-Chlorobiphenyl	3		936000	U
2,2'-Dichlorobiphenyl	4		11000000	U
2,3-Dichlorobiphenyl	5		6880000	U
2,3'-Dichlorobiphenyl	6		6310000	U
2,4-Dichlorobiphenyl	7		6590000	U
2,4'-Dichlorobiphenyl	8		6320000	U
2,5-Dichlorobiphenyl	9		6630000	U
2,6-Dichlorobiphenyl	10		6850000	UJ
3,3'-Dichlorobiphenyl	11		6610000	UJ
3,4-Dichlorobiphenyl	12		6390000	UJ
3,4'-Dichlorobiphenyl	13		6390000	UJ
3,5-Dichlorobiphenyl	14		6310000	UJ
4,4'-Dichlorobiphenyl	15	16600000	5090000	QJ
2,2',3-Trichlorobiphenyl	16	13400000	5100000	QJ
2,2',4-Trichlorobiphenyl	17	12600000	4120000	QJ
2,2',5-Trichlorobiphenyl	18	18100000	3400000	CJ
2,2',6-Trichlorobiphenyl	19		4440000	UJ
2,3,3'-Trichlorobiphenyl	20	34800000	1510000	CJ
2,3,4-Trichlorobiphenyl	21	12200000	1560000	CJ
2,3,4'-Trichlorobiphenyl	22	7690000	1630000	QJ
2,3,5-Trichlorobiphenyl	23		1670000	UJ
2,3,6-Trichlorobiphenyl	24		2990000	UJ
2,3',4-Trichlorobiphenyl	25	4320000	1420000	J
2,3',5-Trichlorobiphenyl	26	7870000	1560000	QCJ
2,3',6-Trichlorobiphenyl	27		2910000	UJ
2,4,4'-Trichlorobiphenyl	28		1510000	C20
2,4,5-Trichlorobiphenyl	29		1560000	C26
2,4,6-Trichlorobiphenyl	30		3400000	C18
2,4',5-Trichlorobiphenyl	31	25200000	1540000	QJ
2,4',6-Trichlorobiphenyl	32	14500000	2670000	QJ
2,3',4'-Trichlorobiphenyl	33		1560000	C21
2,3',5'-Trichlorobiphenyl	34		1630000	UJ
3,3',4-Trichlorobiphenyl	35		1610000	UJ
3,3',5-Trichlorobiphenyl	36		1510000	UJ
3,4,4'-Trichlorobiphenyl	37	9300000	1340000	J
3,4,5-Trichlorobiphenyl	38		1540000	UJ
3,4',5-Trichlorobiphenyl	39		1430000	UJ

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2,2',3,3'-Tetrachlorobiphenyl	40	68400000	3680000	CJ
2,2',3,4'-Tetrachlorobiphenyl	41		3680000	C40J
2,2',3,4'-Tetrachlorobiphenyl	42	24400000	4080000	QJ
2,2',3,5'-Tetrachlorobiphenyl	43		3370000	UJ
2,2',3,5'-Tetrachlorobiphenyl	44	182000000	3320000	QCJ
2,2',3,6'-Tetrachlorobiphenyl	45	44400000	3850000	CJ
2,2',3,6'-Tetrachlorobiphenyl	46		4490000	UJ
2,2',4,4'-Tetrachlorobiphenyl	47		3320000	C44QJ
2,2',4,5'-Tetrachlorobiphenyl	48	11200000	3680000	QJ
2,2',4,5'-Tetrachlorobiphenyl	49	144000000	3150000	QCJ
2,2',4,6'-Tetrachlorobiphenyl	50	37800000	3710000	QCJ
2,2',4,6'-Tetrachlorobiphenyl	51		3850000	C45J
2,2',5,5'-Tetrachlorobiphenyl	52	451000000	3530000	J
2,2',5,6'-Tetrachlorobiphenyl	53		3710000	C50J
2,2',6,6'-Tetrachlorobiphenyl	54		5580000	UJ
2,3,3',4'-Tetrachlorobiphenyl	55		2780000	UJ
2,3,3',4'-Tetrachlorobiphenyl	56	48300000	2740000	J
2,3,3',5'-Tetrachlorobiphenyl	57		2730000	UJ
2,3,3',5'-Tetrachlorobiphenyl	58		2670000	UJ
2,3,3',6'-Tetrachlorobiphenyl	59	5110000	2680000	QCJ
2,3,4,4'-Tetrachlorobiphenyl	60	20200000	2690000	QJ
2,3,4,5'-Tetrachlorobiphenyl	61	305000000	2580000	CJ
2,3,4,6'-Tetrachlorobiphenyl	62		2680000	C59
2,3,4',5'-Tetrachlorobiphenyl	63		2550000	UJ
2,3,4',6'-Tetrachlorobiphenyl	64	45700000	2670000	J
2,3,5,6'-Tetrachlorobiphenyl	65		3320000	C44J
2,3',4,4'-Tetrachlorobiphenyl	66	110000000	2540000	QJ
2,3',4,5'-Tetrachlorobiphenyl	67		2380000	UJ
2,3',4,5'-Tetrachlorobiphenyl	68		2470000	UJ
2,3',4,6'-Tetrachlorobiphenyl	69		3150000	C49J
2,3',4',5'-Tetrachlorobiphenyl	70		2580000	C61J
2,3',4',6'-Tetrachlorobiphenyl	71		3680000	C40J
2,3',5,5'-Tetrachlorobiphenyl	72	6140000	2630000	QJ
2,3',5',6'-Tetrachlorobiphenyl	73		3370000	UJ
2,4,4',5'-Tetrachlorobiphenyl	74		2580000	C61J
2,4,4',6'-Tetrachlorobiphenyl	75		2680000	C59
2,3',4',5'-Tetrachlorobiphenyl	76		2580000	C61J
3,3',4,4'-Tetrachlorobiphenyl	77	23500000	2370000	J
3,3',4,5'-Tetrachlorobiphenyl	78		2630000	UJ

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COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
3,3',4,5'-Tetrachlorobiphenyl	79		2220000	UJ
3,3',5,5'-Tetrachlorobiphenyl	80		2360000	UJ
3,4,4',5'-Tetrachlorobiphenyl	81		2320000	UJ
2,2',3,3',4'-Pentachlorobiphenyl	82	56100000	5970000	QJ
2,2',3,3',5'-Pentachlorobiphenyl	83	66900000	6180000	QJ
2,2',3,3',6'-Pentachlorobiphenyl	84	259000000	6030000	J
2,2',3,4,4'-Pentachlorobiphenyl	85	99900000	4270000	CJ
2,2',3,4,5'-Pentachlorobiphenyl	86	715000000	4290000	CJ
2,2',3,4,5'-Pentachlorobiphenyl	87		4290000	C86J
2,2',3,4,6'-Pentachlorobiphenyl	88	112000000	5320000	QCJ
2,2',3,4,6'-Pentachlorobiphenyl	89	8670000	5760000	J
2,2',3,4',5'-Pentachlorobiphenyl	90	378000000	4460000	CJ
2,2',3,4',6'-Pentachlorobiphenyl	91		5320000	C88J
2,2',3,5,5'-Pentachlorobiphenyl	92	746000000	5410000	J
2,2',3,5,6'-Pentachlorobiphenyl	93	21000000	5220000	QCJ
2,2',3,5,6'-Pentachlorobiphenyl	94	9580000	5700000	QJ
2,2',3,5,6'-Pentachlorobiphenyl	95	320000000	5220000	J
2,2',3,6,6'-Pentachlorobiphenyl	96		3970000	UJ
2,2',3,4',5'-Pentachlorobiphenyl	97		4290000	C86J
2,2',3,4',6'-Pentachlorobiphenyl	98	53300000	5310000	CJ
2,2',4,4',5'-Pentachlorobiphenyl	99	328000000	4250000	QCJ
2,2',4,4',6'-Pentachlorobiphenyl	100		5220000	C93
2,2',4,5,5'-Pentachlorobiphenyl	101		4460000	C90J
2,2',4,5,6'-Pentachlorobiphenyl	102		5310000	C98J
2,2',4,5',6'-Pentachlorobiphenyl	103	38700000	4890000	QJ
2,2',4,6,6'-Pentachlorobiphenyl	104		3850000	UJ
2,3,3',4,4'-Pentachlorobiphenyl	105	263000000	2570000	J
2,3,3',4,5'-Pentachlorobiphenyl	106		2610000	UJ
2,3,3',4',5'-Pentachlorobiphenyl	107	139000000	2310000	J
2,3,3',4,5'-Pentachlorobiphenyl	108	56900000	2570000	QCJ
2,3,3',4,6'-Pentachlorobiphenyl	109		4290000	C86J
2,3,3',4',6'-Pentachlorobiphenyl	110	216000000	3780000	CJ
2,3,3',5,5'-Pentachlorobiphenyl	111		3640000	UJ
2,3,3',5,6'-Pentachlorobiphenyl	112		4250000	C99J
2,3,3',5',6'-Pentachlorobiphenyl	113		4460000	C90J
2,3,4,4',5'-Pentachlorobiphenyl	114	15600000	2140000	QJ
2,3,4,4',6'-Pentachlorobiphenyl	115		3780000	C110J
2,3,4,5,6'-Pentachlorobiphenyl	116		4270000	C85J
2,3,4',5,6'-Pentachlorobiphenyl	117		4270000	C85J

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2,3',4,4',5-Pentachlorobiphenyl	118	966000000	2170000	J
2,3',4,4',6-Pentachlorobiphenyl	119		4290000	C86J
2,3',4,5,5'-Pentachlorobiphenyl	120	206000000	3500000	QJ
2,3',4,5',6-Pentachlorobiphenyl	121		3810000	U
2,3,3',4',5'-Pentachlorobiphenyl	122	120000000	2700000	QJ
2,3',4,4',5'-Pentachlorobiphenyl	123	91500000	2000000	QJ
2,3',4',5,5'-Pentachlorobiphenyl	124		2570000	C108
2,3',4',5',6-Pentachlorobiphenyl	125		4290000	C86J
3,3',4,4',5-Pentachlorobiphenyl	126	274000000	2580000	J
3,3',4,5,5'-Pentachlorobiphenyl	127		2390000	UJ
2,2',3,3',4,4'-Hexachlorobiphenyl	128	850000000	5260000	CJ
2,2',3,3',4,5-Hexachlorobiphenyl	129	10800000000	5400000	CJ
2,2',3,3',4,5'-Hexachlorobiphenyl	130	558000000	6860000	J
2,2',3,3',4,6-Hexachlorobiphenyl	131	71400000	6900000	J
2,2',3,3',4,6'-Hexachlorobiphenyl	132	3360000000	6730000	J
2,2',3,3',5,5'-Hexachlorobiphenyl	133	182000000	6340000	J
2,2',3,3',5,6-Hexachlorobiphenyl	134	486000000	6900000	CJ
2,2',3,3',5,6'-Hexachlorobiphenyl	135	5490000000	9720000	CJ
2,2',3,3',6,6'-Hexachlorobiphenyl	136	1970000000	7210000	J
2,2',3,4,4',5-Hexachlorobiphenyl	137	959000000	5160000	CJ
2,2',3,4,4',5'-Hexachlorobiphenyl	138		5400000	C129J
2,2',3,4,4',6-Hexachlorobiphenyl	139	488000000	5790000	QCJ
2,2',3,4,4',6'-Hexachlorobiphenyl	140		5790000	C139J
2,2',3,4,5,5'-Hexachlorobiphenyl	141	2860000000	6140000	J
2,2',3,4,5,6-Hexachlorobiphenyl	142		6790000	UJ
2,2',3,4,5,6'-Hexachlorobiphenyl	143		6900000	C134J
2,2',3,4,5',6-Hexachlorobiphenyl	144	697000000	9500000	QJ
2,2',3,4,6,6'-Hexachlorobiphenyl	145		7360000	UJ
2,2',3,4',5,5'-Hexachlorobiphenyl	146	1950000000	5560000	J
2,2',3,4',5,6-Hexachlorobiphenyl	147	10300000000	5580000	CJ
2,2',3,4',5,6'-Hexachlorobiphenyl	148		9670000	UJ
2,2',3,4',5',6-Hexachlorobiphenyl	149		5580000	C147J
2,2',3,4',6,6'-Hexachlorobiphenyl	150		7050000	UJ
2,2',3,5,5',6-Hexachlorobiphenyl	151		9720000	C135J
2,2',3,5,6,6'-Hexachlorobiphenyl	152		6960000	UJ
2,2',4,4',5,5'-Hexachlorobiphenyl	153	11700000000	4740000	CJ
2,2',4,4',5,6'-Hexachlorobiphenyl	154	704000000	8320000	QJ
2,2',4,4',6,6'-Hexachlorobiphenyl	155		6740000	UJ
2,3,3',4,4',5-Hexachlorobiphenyl	156	524000000	4310000	CJ

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2,3,3',4,4',5'-Hexachlorobiphenyl	157		4310000	C156J
2,3,3',4,4',6'-Hexachlorobiphenyl	158	889000000	4130000	J
2,3,3',4,5,5'-Hexachlorobiphenyl	159	189000000	4330000	QJ
2,3,3',4,5,6'-Hexachlorobiphenyl	160		4820000	UJ
2,3,3',4,5',6'-Hexachlorobiphenyl	161		4500000	UJ
2,3,3',4',5,5'-Hexachlorobiphenyl	162	468000000	4330000	J
2,3,3',4',5,6'-Hexachlorobiphenyl	163		5400000	C129J
2,3,3',4',5',6'-Hexachlorobiphenyl	164		5160000	C137J
2,3,3',5,5',6'-Hexachlorobiphenyl	165		4920000	UJ
2,3,4,4',5,6'-Hexachlorobiphenyl	166		5260000	C128J
2,3',4,4',5,5'-Hexachlorobiphenyl	167	398000000	3790000	J
2,3',4,4',5,6'-Hexachlorobiphenyl	168		4740000	C153J
3,3',4,4',5,5'-Hexachlorobiphenyl	169	164000000	3840000	J
2,2',3,3',4,4',5'-Heptachlorobiphenyl	170	3710000000	3360000	
2,2',3,3',4,4',6'-Heptachlorobiphenyl	171	1460000000	4490000	C
2,2',3,3',4,5,5'-Heptachlorobiphenyl	172	839000000	4550000	
2,2',3,3',4,5,6'-Heptachlorobiphenyl	173		4490000	C171
2,2',3,3',4,5,6'-Heptachlorobiphenyl	174	4760000000	4220000	
2,2',3,3',4,5',6'-Heptachlorobiphenyl	175	217000000	4040000	
2,2',3,3',4,6,6'-Heptachlorobiphenyl	176	652000000	3200000	
2,2',3,3',4,5',6'-Heptachlorobiphenyl	177	2780000000	4510000	
2,2',3,3',5,5',6'-Heptachlorobiphenyl	178	854000000	4340000	
2,2',3,3',5,6,6'-Heptachlorobiphenyl	179	2020000000	3160000	
2,2',3,4,4',5,5'-Heptachlorobiphenyl	180	9910000000	3480000	C
2,2',3,4,4',5,6'-Heptachlorobiphenyl	181		4210000	U
2,2',3,4,4',5,6'-Heptachlorobiphenyl	182	136000000	4080000	QJ
2,2',3,4,4',5',6'-Heptachlorobiphenyl	183	3330000000	4030000	C
2,2',3,4,4',6,6'-Heptachlorobiphenyl	184		2970000	U
2,2',3,4,5,5',6'-Heptachlorobiphenyl	185		4030000	C183
2,2',3,4,5,6,6'-Heptachlorobiphenyl	186		3240000	U
2,2',3,4',5,5',6'-Heptachlorobiphenyl	187	5180000000	3810000	
2,2',3,4',5,6,6'-Heptachlorobiphenyl	188		3090000	U
2,3,3',4,4',5,5'-Heptachlorobiphenyl	189	184000000	2560000	
2,3,3',4,4',5,6'-Heptachlorobiphenyl	190	868000000	3250000	
2,3,3',4,4',5',6'-Heptachlorobiphenyl	191	187000000	3170000	
2,3,3',4,5,5',6'-Heptachlorobiphenyl	192		3430000	UJ
2,3,3',4',5,5',6'-Heptachlorobiphenyl	193		3430000	C180J
2,2',3,3',4,4',5,5'-Octachlorobiphenyl	194	2250000000	3600000	J
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	195	960000000	3950000	J

Eastern Drainage Ditch Sediment Sample PCB Congener Results

12-A

April 12, 2005

Amtrak Former Fueling Facility

4001 Vandever Avenue

Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	196	1350000000	5400000	J
2,2',3,3',4,4',6,6'-Octachlorobiphenyl	197	412000000	3940000	CJ
2,2',3,3',4,5,5',6'-Octachlorobiphenyl	198	2410000000	5360000	CJ
2,2',3,3',4,5,5',6'-Octachlorobiphenyl	199		5360000	C198
2,2',3,3',4,5,6,6'-Octachlorobiphenyl	200		3940000	C197J
2,2',3,3',4,5',6,6'-Octachlorobiphenyl	201	325000000	3930000	J
2,2',3,3',5,5',6,6'-Octachlorobiphenyl	202	365000000	4150000	
2,2',3,4,4',5,5',6'-Octachlorobiphenyl	203	1460000000	4940000	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl	204		4050000	U
2,3,3',4,4',5,5',6'-Octachlorobiphenyl	205	965000000	2510000	
2,2',3,3',4,4',5,5',6'-Nonachlorobiphenyl	206	224000000	2700000	Q
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	207	398000000	2440000	Q
2,2',3,3',4,5,5',6'-Nonachlorobiphenyl	208	488000000	2350000	QJ
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	209	260000000	2230000	J

TOTAL = 116,215,030,000

Notes:

B = Analyte is present in the associated method blank at a reportable level.

C = Co-eluting congener. Reported value is the total sum of the co-eluting congener(s).

Cx = Corresponding number (x) represents the co-eluting congener. See (x) for the summed results.

J = Estimated value.

U = Not detected.

Q = Estimated maximum possible concentration.

pg/kg = Picograms per kilogram.

Analytical data validated by SECOR personnel

**Eastern Drainage Ditch Sediment Sample PCB Congener Results
12-D (Duplicate of 12-A)**

April 12, 2005

Amtrak Former Fueling Facility

4001 Vandever Avenue

Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2-Chlorobiphenyl	1		3300000	U
3-Chlorobiphenyl	2		3020000	U
4-Chlorobiphenyl	3		2620000	U
2,2'-Dichlorobiphenyl	4		31800000	U
2,3-Dichlorobiphenyl	5		19800000	U
2,3'-Dichlorobiphenyl	6		18200000	U
2,4-Dichlorobiphenyl	7	79200000	19000000	QJ
2,4'-Dichlorobiphenyl	8	30400000	18200000	QJ
2,5-Dichlorobiphenyl	9		19100000	U
2,6-Dichlorobiphenyl	10		19700000	U
3,3'-Dichlorobiphenyl	11	21400000	19100000	QJ
3,4-Dichlorobiphenyl	12		18400000	QBCJ
3,4'-Dichlorobiphenyl	13		18400000	C12
3,5-Dichlorobiphenyl	14		18200000	U
4,4'-Dichlorobiphenyl	15		14700000	QBJ
2,2',3-Trichlorobiphenyl	16		15400000	U
2,2',4-Trichlorobiphenyl	17		12500000	U
2,2',5-Trichlorobiphenyl	18		10300000	U
2,2',6-Trichlorobiphenyl	19		13400000	U
2,3,3'-Trichlorobiphenyl	20	47300000	4560000	CJ
2,3,4-Trichlorobiphenyl	21	17900000	4720000	CJ
2,3,4'-Trichlorobiphenyl	22	15100000	4940000	QJ
2,3,5-Trichlorobiphenyl	23		5060000	U
2,3,6-Trichlorobiphenyl	24		9030000	U
2,3',4-Trichlorobiphenyl	25		4290000	U
2,3',5-Trichlorobiphenyl	26		4730000	U
2,3',6-Trichlorobiphenyl	27		8790000	U
2,4,4'-Trichlorobiphenyl	28		4560000	C20
2,4,5-Trichlorobiphenyl	29		4730000	U
2,4,6-Trichlorobiphenyl	30		10300000	U
2,4',5-Trichlorobiphenyl	31	34000000	4650000	J
2,4',6-Trichlorobiphenyl	32		8070000	U
2,3',4'-Trichlorobiphenyl	33		4720000	C21
2,3',5'-Trichlorobiphenyl	34		4920000	U
3,3',4-Trichlorobiphenyl	35		4880000	U
3,3',5-Trichlorobiphenyl	36		4560000	U
3,4,4'-Trichlorobiphenyl	37	10000000	4070000	J
3,4,5-Trichlorobiphenyl	38		4670000	U
3,4',5-Trichlorobiphenyl	39		4320000	U

Eastern Drainage Ditch Sediment Sample PCB Congener Results

12-D (Duplicate of 12-A)

April 12, 2005

Amtrak Former Fueling Facility

4001 Vandever Avenue

Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,2',3,3'-Tetrachlorobiphenyl	40	60800000	10800000	QCJ
2,2',3,4'-Tetrachlorobiphenyl	41		10800000	C40
2,2',3,4'-Tetrachlorobiphenyl	42	23500000	11900000	QJ
2,2',3,5'-Tetrachlorobiphenyl	43		9860000	U
2,2',3,5'-Tetrachlorobiphenyl	44	187000000	9710000	CJ
2,2',3,6'-Tetrachlorobiphenyl	45	49900000	11300000	CJ
2,2',3,6'-Tetrachlorobiphenyl	46		13100000	U
2,2',4,4'-Tetrachlorobiphenyl	47		9710000	C44
2,2',4,5'-Tetrachlorobiphenyl	48		10800000	U
2,2',4,5'-Tetrachlorobiphenyl	49	159000000	9210000	CJ
2,2',4,6'-Tetrachlorobiphenyl	50	47300000	10800000	CJ
2,2',4,6'-Tetrachlorobiphenyl	51		11300000	C45
2,2',5,5'-Tetrachlorobiphenyl	52	448000000	10300000	
2,2',5,6'-Tetrachlorobiphenyl	53		10800000	C50
2,2',6,6'-Tetrachlorobiphenyl	54		16300000	U
2,3,3',4'-Tetrachlorobiphenyl	55		8120000	U
2,3,3',4'-Tetrachlorobiphenyl	56	37100000	8000000	QJ
2,3,3',5'-Tetrachlorobiphenyl	57		7990000	U
2,3,3',5'-Tetrachlorobiphenyl	58		7800000	U
2,3,3',6'-Tetrachlorobiphenyl	59		7850000	U
2,3,4,4'-Tetrachlorobiphenyl	60	16800000	7870000	QJ
2,3,4,5'-Tetrachlorobiphenyl	61	301000000	7530000	C
2,3,4,6'-Tetrachlorobiphenyl	62		7850000	U
2,3,4',5'-Tetrachlorobiphenyl	63		7470000	U
2,3,4',6'-Tetrachlorobiphenyl	64	43700000	7810000	J
2,3,5,6'-Tetrachlorobiphenyl	65		9710000	C44
2,3',4,4'-Tetrachlorobiphenyl	66	120000000	7420000	J
2,3',4,5'-Tetrachlorobiphenyl	67		6950000	U
2,3',4,5'-Tetrachlorobiphenyl	68		7220000	U
2,3',4,6'-Tetrachlorobiphenyl	69		9210000	C49
2,3',4',5'-Tetrachlorobiphenyl	70		7530000	C61
2,3',4',6'-Tetrachlorobiphenyl	71		10800000	C40
2,3',5,5'-Tetrachlorobiphenyl	72		7690000	U
2,3',5,6'-Tetrachlorobiphenyl	73		9860000	U
2,4,4',5'-Tetrachlorobiphenyl	74		7530000	C61
2,4,4',6'-Tetrachlorobiphenyl	75		7850000	U
2,3',4',5'-Tetrachlorobiphenyl	76		7530000	C61
3,3',4,4'-Tetrachlorobiphenyl	77	19800000	6930000	QJ
3,3',4,5'-Tetrachlorobiphenyl	78		7680000	U

Eastern Drainage Ditch Sediment Sample PCB Congener Results
 12-D (Duplicate of 12-A)
 April 12, 2005
 Amtrak Former Fueling Facility
 4001 Vandever Avenue
 Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
3,3',4,5'-Tetrachlorobiphenyl	79	8000000	6490000	QJ
3,3',5,5'-Tetrachlorobiphenyl	80		6910000	U
3,4,4',5-Tetrachlorobiphenyl	81		6880000	U
2,2',3,3',4-Pentachlorobiphenyl	82	73100000	17900000	J
2,2',3,3',5-Pentachlorobiphenyl	83	44400000	18500000	QJ
2,2',3,3',6-Pentachlorobiphenyl	84	229000000	18100000	J
2,2',3,4,4'-Pentachlorobiphenyl	85	70300000	12800000	QCJ
2,2',3,4,5-Pentachlorobiphenyl	86	685000000	12800000	C
2,2',3,4,5'-Pentachlorobiphenyl	87		12800000	C86
2,2',3,4,6-Pentachlorobiphenyl	88	132000000	15900000	CJ
2,2',3,4,6'-Pentachlorobiphenyl	89		17300000	U
2,2',3,4',5-Pentachlorobiphenyl	90	3460000000	13400000	C
2,2',3,4',6-Pentachlorobiphenyl	91		15900000	C88
2,2',3,5,5'-Pentachlorobiphenyl	92	722000000	16200000	
2,2',3,5,6-Pentachlorobiphenyl	93		15600000	U
2,2',3,5,6'-Pentachlorobiphenyl	94		17100000	U
2,2',3,5',6-Pentachlorobiphenyl	95	3020000000	15600000	
2,2',3,6,6'-Pentachlorobiphenyl	96		11900000	U
2,2',3,4',5'-Pentachlorobiphenyl	97		12800000	C86
2,2',3,4',6'-Pentachlorobiphenyl	98	50500000	15900000	QCJ
2,2',4,4',5-Pentachlorobiphenyl	99	378000000	12700000	C
2,2',4,4',6-Pentachlorobiphenyl	100		15600000	U
2,2',4,5,5'-Pentachlorobiphenyl	101		13400000	C90
2,2',4,5,6'-Pentachlorobiphenyl	102		15900000	C98
2,2',4,5',6-Pentachlorobiphenyl	103	28200000	14600000	QJ
2,2',4,6,6'-Pentachlorobiphenyl	104		11500000	U
2,3,3',4,4'-Pentachlorobiphenyl	105	278000000	7290000	
2,3,3',4,5-Pentachlorobiphenyl	106		7810000	U
2,3,3',4',5-Pentachlorobiphenyl	107	155000000	6910000	J
2,3,3',4,5'-Pentachlorobiphenyl	108	65700000	7690000	QCJ
2,3,3',4,6-Pentachlorobiphenyl	109		12800000	C86
2,3,3',4',6-Pentachlorobiphenyl	110	2100000000	11300000	C
2,3,3',5,5'-Pentachlorobiphenyl	111		10900000	U
2,3,3',5,6-Pentachlorobiphenyl	112		12700000	C99
2,3,3',5',6-Pentachlorobiphenyl	113		13400000	C90
2,3,4,4',5-Pentachlorobiphenyl	114		6270000	U
2,3,4,4',6-Pentachlorobiphenyl	115		11300000	C110
2,3,4,5,6-Pentachlorobiphenyl	116		12800000	C85
2,3,4',5,6-Pentachlorobiphenyl	117		12800000	C85

Eastern Drainage Ditch Sediment Sample PCB Congener Results

12-D (Duplicate of 12-A)

April 12, 2005

Amtrak Former Fueling Facility

4001 Vandever Avenue

Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,3',4,4',5-Pentachlorobiphenyl	118	865000000	6690000	
2,3',4,4',6-Pentachlorobiphenyl	119		12800000	C86
2,3',4,5',5-Pentachlorobiphenyl	120		10500000	U
2,3',4,5',6-Pentachlorobiphenyl	121		11400000	U
2,3,3',4',5'-Pentachlorobiphenyl	122		8100000	U
2,3',4,4',5'-Pentachlorobiphenyl	123	11200000	6470000	J
2,3',4,5,5'-Pentachlorobiphenyl	124		7690000	C108
2,3',4,5',6-Pentachlorobiphenyl	125		12800000	C86
3,3',4,4',5-Pentachlorobiphenyl	126	31300000	7460000	J
3,3',4,5,5'-Pentachlorobiphenyl	127		7160000	U
2,2',3,3',4,4'-Hexachlorobiphenyl	128	616000000	13700000	C
2,2',3,3',4,5-Hexachlorobiphenyl	129	1050000000	14100000	C
2,2',3,3',4,5'-Hexachlorobiphenyl	130	536000000	17900000	
2,2',3,3',4,6-Hexachlorobiphenyl	131	72600000	18000000	J
2,2',3,3',4,6'-Hexachlorobiphenyl	132	314000000	17500000	
2,2',3,3',5,5'-Hexachlorobiphenyl	133	180000000	16500000	J
2,2',3,3',5,6-Hexachlorobiphenyl	134	395000000	18000000	C
2,2',3,3',5,6'-Hexachlorobiphenyl	135	492000000	25300000	C
2,2',3,3',6,6'-Hexachlorobiphenyl	136	170000000	18800000	
2,2',3,4,4',5-Hexachlorobiphenyl	137	936000000	13400000	C
2,2',3,4,4',5'-Hexachlorobiphenyl	138		14100000	C129
2,2',3,4,4',6-Hexachlorobiphenyl	139	49700000	15100000	QCJ
2,2',3,4,4',6'-Hexachlorobiphenyl	140		15100000	C139
2,2',3,4,5,5'-Hexachlorobiphenyl	141	277000000	16000000	
2,2',3,4,5,6-Hexachlorobiphenyl	142		17700000	U
2,2',3,4,5,6'-Hexachlorobiphenyl	143		18000000	C134
2,2',3,4,5',6-Hexachlorobiphenyl	144	708000000	24800000	
2,2',3,4,6,6'-Hexachlorobiphenyl	145		19200000	U
2,2',3,4',5,5'-Hexachlorobiphenyl	146	194000000	14500000	
2,2',3,4',5,6-Hexachlorobiphenyl	147	956000000	14500000	C
2,2',3,4',5,6'-Hexachlorobiphenyl	148		25200000	U
2,2',3,4',5',6-Hexachlorobiphenyl	149		14500000	C147
2,2',3,4',6,6'-Hexachlorobiphenyl	150		18400000	U
2,2',3,5,5',6-Hexachlorobiphenyl	151		25300000	C135
2,2',3,5,6,6'-Hexachlorobiphenyl	152		18100000	U
2,2',4,4',5,5'-Hexachlorobiphenyl	153	1100000000	12400000	C
2,2',4,4',5,6'-Hexachlorobiphenyl	154	85200000	21700000	J
2,2',4,4',6,6'-Hexachlorobiphenyl	155		17600000	U
2,3,3',4,4',5-Hexachlorobiphenyl	156	559000000	11600000	C

Eastern Drainage Ditch Sediment Sample PCB Congener Results
12-D (Duplicate of 12-A)
April 12, 2005
Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,3,3',4,4',5'-Hexachlorobiphenyl	157		11600000	C156
2,3,3',4,4',6'-Hexachlorobiphenyl	158	901000000	10800000	
2,3,3',4,5,5'-Hexachlorobiphenyl	159	235000000	11300000	
2,3,3',4,5,6'-Hexachlorobiphenyl	160		12600000	U
2,3,3',4,5',6'-Hexachlorobiphenyl	161		11700000	U
2,3,3',4',5,5'-Hexachlorobiphenyl	162	44500000	11300000	QJ
2,3,3',4',5,6'-Hexachlorobiphenyl	163		14100000	C129
2,3,3',4',5',6'-Hexachlorobiphenyl	164		13400000	C137
2,3,3',5,5',6'-Hexachlorobiphenyl	165		12800000	U
2,3,4,4',5,6'-Hexachlorobiphenyl	166		13700000	C128
2,3',4,4',5,5'-Hexachlorobiphenyl	167	425000000	9540000	
2,3',4,4',5',6'-Hexachlorobiphenyl	168		12400000	C153
3,3',4,4',5,5'-Hexachlorobiphenyl	169	17700000	9960000	J
2,2',3,3',4,4',5'-Heptachlorobiphenyl	170	404000000	13300000	
2,2',3,3',4,4',6'-Heptachlorobiphenyl	171	149000000	15600000	C
2,2',3,3',4,5,5'-Heptachlorobiphenyl	172	949000000	15800000	
2,2',3,3',4,5,6'-Heptachlorobiphenyl	173		15600000	C171
2,2',3,3',4,5,6'-Heptachlorobiphenyl	174	493000000	14600000	
2,2',3,3',4,5',6'-Heptachlorobiphenyl	175	225000000	14000000	J
2,2',3,3',4,6,6'-Heptachlorobiphenyl	176	636000000	11100000	
2,2',3,3',4,5',6'-Heptachlorobiphenyl	177	276000000	15600000	
2,2',3,3',5,5',6'-Heptachlorobiphenyl	178	875000000	15000000	
2,2',3,3',5,6,6'-Heptachlorobiphenyl	179	202000000	11000000	
2,2',3,4,4',5,5'-Heptachlorobiphenyl	180	103000000	11300000	C
2,2',3,4,4',5,6'-Heptachlorobiphenyl	181		14600000	U
2,2',3,4,4',5,6'-Heptachlorobiphenyl	182		14200000	U
2,2',3,4,4',5',6'-Heptachlorobiphenyl	183	331000000	14000000	C
2,2',3,4,4',6,6'-Heptachlorobiphenyl	184		10300000	U
2,2',3,4,5,5',6'-Heptachlorobiphenyl	185		14000000	C183
2,2',3,4,5,6,6'-Heptachlorobiphenyl	186		11200000	U
2,2',3,4',5,5',6'-Heptachlorobiphenyl	187	527000000	13200000	
2,2',3,4',5,6,6'-Heptachlorobiphenyl	188		10700000	U
2,3,3',4,4',5,5'-Heptachlorobiphenyl	189	210000000	8570000	J
2,3,3',4,4',5,6'-Heptachlorobiphenyl	190	100000000	11300000	
2,3,3',4,4',5',6'-Heptachlorobiphenyl	191	207000000	11000000	J
2,3,3',4,5,5',6'-Heptachlorobiphenyl	192		11900000	U
2,3,3',4',5,5',6'-Heptachlorobiphenyl	193		11900000	C180
2,2',3,3',4,4',5,5'-Octachlorobiphenyl	194	243000000	14100000	
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	195	106000000	15500000	

Eastern Drainage Ditch Sediment Sample PCB Congener Results
12-D (Duplicate of 12-A)
April 12, 2005
Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	196	1470000000	21200000	
2,2',3,3',4,4',6,6'-Octachlorobiphenyl	197	392000000	15500000	C
2,2',3,3',4,5,5',6-Octachlorobiphenyl	198	2500000000	21000000	C
2,2',3,3',4,5,5',6'-Octachlorobiphenyl	199		21000000	C198
2,2',3,3',4,5,6,6'-Octachlorobiphenyl	200		15500000	C197
2,2',3,3',4,5',6,6'-Octachlorobiphenyl	201	318000000	15400000	
2,2',3,3',5,5',6,6'-Octachlorobiphenyl	202	361000000	16300000	
2,2',3,4,4',5,5',6-Octachlorobiphenyl	203	1590000000	19400000	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl	204		15900000	U
2,3,3',4,4',5,5',6-Octachlorobiphenyl	205	103000000	9840000	QJ
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	206	252000000	14800000	
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	207	48200000	13300000	QJ
2,2',3,3',4,5,5',6'-Nonachlorobiphenyl	208	65300000	12900000	J
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	209		12500000	JB
TOTAL =		114,278,100,000		

Notes:

- B = Analyte is present in the associated method blank at a reportable level.
- C = Co-eluting congener. Reported value is the total sum of the co-eluting congener(s).
- Cx = Corresponding number (x) represents the co-eluting congener. See (x) for the summed results.
- J = Estimated value.
- U = Not detected.
- Q = Estimated maximum possible concentration.
- pg/kg = Picograms per kilogram.
- Analytical data validated by SECOR personnel

Western Drainage Ditch Sediment Sample PCB Congener Results

WDT-4-A

April 28, 2005

Amtrak Former Fueling Facility

4001 Vandever Avenue

Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2-Chlorobiphenyl	1	7890000	46500	
3-Chlorobiphenyl	2	226000	42600	QJ
4-Chlorobiphenyl	3		37000	B
2,2'-Dichlorobiphenyl	4	47200000	368000	
2,3-Dichlorobiphenyl	5		230000	U
2,3'-Dichlorobiphenyl	6	6110000	211000	
2,4-Dichlorobiphenyl	7	738000	220000	QJ
2,4'-Dichlorobiphenyl	8		211000	B
2,5-Dichlorobiphenyl	9	1510000	221000	Q
2,6-Dichlorobiphenyl	10	1300000	229000	Q
3,3'-Dichlorobiphenyl	11		221000	U
3,4-Dichlorobiphenyl	12		213000	QBC
3,4'-Dichlorobiphenyl	13		213000	C12
3,5-Dichlorobiphenyl	14		211000	U
4,4'-Dichlorobiphenyl	15		170000	B
2,2',3-Trichlorobiphenyl	16	5490000	206000	
2,2',4-Trichlorobiphenyl	17		166000	B
2,2',5-Trichlorobiphenyl	18		137000	BC
2,2',6-Trichlorobiphenyl	19	7400000	179000	
2,3,3'-Trichlorobiphenyl	20		60700	BC
2,3,4-Trichlorobiphenyl	21		62900	BC
2,3,4'-Trichlorobiphenyl	22		65900	B
2,3,5-Trichlorobiphenyl	23		67500	U
2,3,6-Trichlorobiphenyl	24		120000	U
2,3',4-Trichlorobiphenyl	25	2800000	57200	
2,3',5-Trichlorobiphenyl	26		63000	BC
2,3',6-Trichlorobiphenyl	27	6970000	117000	
2,4,4'-Trichlorobiphenyl	28		60700	C20
2,4,5-Trichlorobiphenyl	29		63000	C26
2,4,6-Trichlorobiphenyl	30		137000	C18
2,4',5-Trichlorobiphenyl	31		62000	B
2,4',6-Trichlorobiphenyl	32	6760000	107000	J
2,3',4'-Trichlorobiphenyl	33		62900	C21
2,3',5'-Trichlorobiphenyl	34	146000	65500	QJ
3,3',4-Trichlorobiphenyl	35	333000	65000	J
3,3',5-Trichlorobiphenyl	36		60700	U
3,4,4'-Trichlorobiphenyl	37	4690000	54200	
3,4,5-Trichlorobiphenyl	38		62200	U
3,4',5-Trichlorobiphenyl	39	181000	57600	QJ

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April 28, 2005

Amtrak Former Fueling Facility

4001 Vandever Avenue

Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,2',3,3'-Tetrachlorobiphenyl	40	13100000	108000	C
2,2',3,4'-Tetrachlorobiphenyl	41		108000	C40
2,2',3,4'-Tetrachlorobiphenyl	42		120000	B
2,2',3,5'-Tetrachlorobiphenyl	43	571000	98800	QCJ
2,2',3,5'-Tetrachlorobiphenyl	44	35900000	97300	C
2,2',3,6'-Tetrachlorobiphenyl	45	12300000	113000	QC
2,2',3,6'-Tetrachlorobiphenyl	46	1480000	132000	
2,2',4,4'-Tetrachlorobiphenyl	47		97300	C44
2,2',4,5'-Tetrachlorobiphenyl	48	3070000	108000	
2,2',4,5'-Tetrachlorobiphenyl	49	18900000	92300	C
2,2',4,6'-Tetrachlorobiphenyl	50	8370000	109000	C
2,2',4,6'-Tetrachlorobiphenyl	51		113000	C45
2,2',5,5'-Tetrachlorobiphenyl	52	32500000	104000	
2,2',5,6'-Tetrachlorobiphenyl	53		109000	C50
2,2',6,6'-Tetrachlorobiphenyl	54	1430000	163000	
2,3,3',4'-Tetrachlorobiphenyl	55	275000	81400	QJ
2,3,3',4'-Tetrachlorobiphenyl	56	13800000	80200	
2,3,3',5'-Tetrachlorobiphenyl	57		80100	U
2,3,3',5'-Tetrachlorobiphenyl	58		78100	U
2,3,3',6'-Tetrachlorobiphenyl	59	1960000	78600	C
2,3,4,4'-Tetrachlorobiphenyl	60	6310000	78900	
2,3,4,5'-Tetrachlorobiphenyl	61		75500	BC
2,3,4,6'-Tetrachlorobiphenyl	62		78600	C59
2,3,4',5'-Tetrachlorobiphenyl	63	989000	74800	QJ
2,3,4',6'-Tetrachlorobiphenyl	64	8940000	78300	
2,3,5,6'-Tetrachlorobiphenyl	65		97300	C44
2,3',4,4'-Tetrachlorobiphenyl	66		74300	B
2,3',4,5'-Tetrachlorobiphenyl	67	918000	69700	J
2,3',4,5'-Tetrachlorobiphenyl	68	536000	72400	J
2,3',4,6'-Tetrachlorobiphenyl	69		92300	C49
2,3',4',5'-Tetrachlorobiphenyl	70		75500	C61
2,3',4',6'-Tetrachlorobiphenyl	71		108000	C40
2,3',5,5'-Tetrachlorobiphenyl	72	498000	77000	J
2,3',5',6'-Tetrachlorobiphenyl	73		98800	C43
2,4,4',5'-Tetrachlorobiphenyl	74		75500	C61
2,4,4',6'-Tetrachlorobiphenyl	75		78600	C59
2,3',4',5'-Tetrachlorobiphenyl	76		75500	C61
3,3',4,4'-Tetrachlorobiphenyl	77	4300000	69500	
3,3',4,5'-Tetrachlorobiphenyl	78		77000	U

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4001 Vandever Avenue

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COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
3,3',4,5'-Tetrachlorobiphenyl	79	1430000	65100	
3,3',5,5'-Tetrachlorobiphenyl	80		69200	U
3,4,4',5'-Tetrachlorobiphenyl	81		65600	U
2,2',3,3',4'-Pentachlorobiphenyl	82	14000000	157000	
2,2',3,3',5'-Pentachlorobiphenyl	83	4470000	162000	
2,2',3,3',6'-Pentachlorobiphenyl	84	21600000	158000	
2,2',3,4,4'-Pentachlorobiphenyl	85	21800000	112000	C
2,2',3,4,5'-Pentachlorobiphenyl	86	83300000	113000	C
2,2',3,4,5'-Pentachlorobiphenyl	87		113000	C86
2,2',3,4,6'-Pentachlorobiphenyl	88	14700000	140000	C
2,2',3,4,6'-Pentachlorobiphenyl	89	824000	151000	QJ
2,2',3,4',5'-Pentachlorobiphenyl	90	254000000	117000	C
2,2',3,4',6'-Pentachlorobiphenyl	91		140000	C88
2,2',3,5,5'-Pentachlorobiphenyl	92	36600000	142000	
2,2',3,5,6'-Pentachlorobiphenyl	93	3240000	137000	C
2,2',3,5,6'-Pentachlorobiphenyl	94	1110000	150000	QJ
2,2',3,5',6'-Pentachlorobiphenyl	95	159000000	137000	
2,2',3,6,6'-Pentachlorobiphenyl	96	845000	104000	J
2,2',3,4',5'-Pentachlorobiphenyl	97		113000	C86
2,2',3,4',6'-Pentachlorobiphenyl	98	4450000	139000	C
2,2',4,4',5'-Pentachlorobiphenyl	99	54400000	112000	C
2,2',4,4',6'-Pentachlorobiphenyl	100		137000	C93
2,2',4,5,5'-Pentachlorobiphenyl	101		117000	C90
2,2',4,5,6'-Pentachlorobiphenyl	102		139000	C98
2,2',4,5',6'-Pentachlorobiphenyl	103	2030000	128000	
2,2',4,6,6'-Pentachlorobiphenyl	104		101000	U
2,3,3',4,4'-Pentachlorobiphenyl	105	70300000	64900	
2,3,3',4,5'-Pentachlorobiphenyl	106		68500	U
2,3,3',4',5'-Pentachlorobiphenyl	107	12000000	60600	
2,3,3',4,5'-Pentachlorobiphenyl	108	6950000	67400	C
2,3,3',4,6'-Pentachlorobiphenyl	109		113000	C86
2,3,3',4',6'-Pentachlorobiphenyl	110	223000000	99300	C
2,3,3',5,5'-Pentachlorobiphenyl	111	259000	95500	QJ
2,3,3',5,6'-Pentachlorobiphenyl	112		112000	C99
2,3,3',5',6'-Pentachlorobiphenyl	113		117000	C90
2,3,4,4',5'-Pentachlorobiphenyl	114	2820000	53600	
2,3,4,4',6'-Pentachlorobiphenyl	115		99300	C110
2,3,4,5,6'-Pentachlorobiphenyl	116		112000	C85
2,3,4',5,6'-Pentachlorobiphenyl	117		112000	C85

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Amtrak Former Fueling Facility

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COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,3',4,4',5-Pentachlorobiphenyl	118		60200	B
2,3',4,4',6-Pentachlorobiphenyl	119		113000	C86
2,3',4,5,5'-Pentachlorobiphenyl	120	961000	91900	J
2,3',4,5',6-Pentachlorobiphenyl	121		100000	U
2,3,3',4',5'-Pentachlorobiphenyl	122	2600000	71000	
2,3',4,4',5'-Pentachlorobiphenyl	123	2650000	55900	
2,3',4',5,5'-Pentachlorobiphenyl	124		67400	C108
2,3',4',5',6-Pentachlorobiphenyl	125		113000	C86
3,3',4,4',5-Pentachlorobiphenyl	126	2190000	65200	
3,3',4,5,5'-Pentachlorobiphenyl	127		62700	U
2,2',3,3',4,4'-Hexachlorobiphenyl	128	86900000	134000	C
2,2',3,3',4,5-Hexachlorobiphenyl	129	941000000	138000	CJB
2,2',3,3',4,5'-Hexachlorobiphenyl	130	36200000	175000	
2,2',3,3',4,6-Hexachlorobiphenyl	131	5710000	176000	
2,2',3,3',4,6'-Hexachlorobiphenyl	132	264000000	172000	
2,2',3,3',5,5'-Hexachlorobiphenyl	133	10300000	162000	
2,2',3,3',5,6-Hexachlorobiphenyl	134	35100000	176000	C
2,2',3,3',5,6'-Hexachlorobiphenyl	135	356000000	248000	C
2,2',3,3',6,6'-Hexachlorobiphenyl	136	110000000	184000	
2,2',3,4,4',5-Hexachlorobiphenyl	137	87400000	132000	C
2,2',3,4,4',5'-Hexachlorobiphenyl	138		138000	C129
2,2',3,4,4',6-Hexachlorobiphenyl	139	4990000	148000	C
2,2',3,4,4',6'-Hexachlorobiphenyl	140		148000	C139
2,2',3,4,5,5'-Hexachlorobiphenyl	141	240000000	157000	
2,2',3,4,5,6-Hexachlorobiphenyl	142		173000	U
2,2',3,4,5,6'-Hexachlorobiphenyl	143		176000	C134
2,2',3,4,5',6-Hexachlorobiphenyl	144	54600000	242000	
2,2',3,4,6,6'-Hexachlorobiphenyl	145		188000	U
2,2',3,4',5,5'-Hexachlorobiphenyl	146	130000000	142000	
2,2',3,4',5,6-Hexachlorobiphenyl	147		142000	BC
2,2',3,4',5,6'-Hexachlorobiphenyl	148	582000	247000	J
2,2',3,4',5',6-Hexachlorobiphenyl	149		142000	C147
2,2',3,4',6,6'-Hexachlorobiphenyl	150	844000	180000	QJ
2,2',3,5,5',6-Hexachlorobiphenyl	151		248000	C135
2,2',3,5,6,6'-Hexachlorobiphenyl	152		178000	U
2,2',4,4',5,5'-Hexachlorobiphenyl	153		121000	JBC
2,2',4,4',5,6'-Hexachlorobiphenyl	154	4880000	212000	
2,2',4,4',6,6'-Hexachlorobiphenyl	155		172000	U
2,3,3',4,4',5-Hexachlorobiphenyl	156	55400000	106000	C

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Amtrak Former Fueling Facility

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COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,3,3',4,4',5'-Hexachlorobiphenyl	157		106000	C156
2,3,3',4,4',6'-Hexachlorobiphenyl	158	84300000	105000	
2,3,3',4,5,5'-Hexachlorobiphenyl	159	18600000	111000	
2,3,3',4,5,6'-Hexachlorobiphenyl	160		123000	U
2,3,3',4,5',6'-Hexachlorobiphenyl	161		115000	U
2,3,3',4',5,5'-Hexachlorobiphenyl	162	1680000	110000	Q
2,3,3',4',5,6'-Hexachlorobiphenyl	163		138000	C129
2,3,3',4',5',6'-Hexachlorobiphenyl	164		132000	C137
2,3,3',5,5',6'-Hexachlorobiphenyl	165	416000	126000	J
2,3,4,4',5,6'-Hexachlorobiphenyl	166		134000	C128
2,3',4,4',5,5'-Hexachlorobiphenyl	167	28100000	90900	
2,3',4,4',5',6'-Hexachlorobiphenyl	168		121000	C153
3,3',4,4',5,5'-Hexachlorobiphenyl	169	1460000	114000	Q
2,2',3,3',4,4',5'-Heptachlorobiphenyl	170	349000000	151000	
2,2',3,3',4,4',6'-Heptachlorobiphenyl	171	130000000	168000	C
2,2',3,3',4,5,5'-Heptachlorobiphenyl	172	74100000	170000	
2,2',3,3',4,5,6'-Heptachlorobiphenyl	173		168000	C171
2,2',3,3',4,5,6'-Heptachlorobiphenyl	174	444000000	158000	
2,2',3,3',4,5',6'-Heptachlorobiphenyl	175	16700000	151000	
2,2',3,3',4,6,6'-Heptachlorobiphenyl	176	54700000	120000	
2,2',3,3',4,5',6'-Heptachlorobiphenyl	177	250000000	169000	
2,2',3,3',5,5',6'-Heptachlorobiphenyl	178	80800000	162000	
2,2',3,3',5,6,6'-Heptachlorobiphenyl	179	170000000	118000	
2,2',3,4,4',5,5'-Heptachlorobiphenyl	180	833000000	111000	C
2,2',3,4,4',5,6'-Heptachlorobiphenyl	181	1660000	158000	
2,2',3,4,4',5,6'-Heptachlorobiphenyl	182	1380000	153000	
2,2',3,4,4',5',6'-Heptachlorobiphenyl	183	310000000	151000	C
2,2',3,4,4',6,6'-Heptachlorobiphenyl	184		111000	U
2,2',3,4,5,5',6'-Heptachlorobiphenyl	185		151000	C183
2,2',3,4,5,6,6'-Heptachlorobiphenyl	186		121000	U
2,2',3,4',5,5',6'-Heptachlorobiphenyl	187	480000000	143000	
2,2',3,4',5,6,6'-Heptachlorobiphenyl	188	369000	116000	J
2,3,3',4,4',5,5'-Heptachlorobiphenyl	189	16800000	96000	
2,3,3',4,4',5,6'-Heptachlorobiphenyl	190	84200000	122000	
2,3,3',4,4',5',6'-Heptachlorobiphenyl	191	17900000	119000	
2,3,3',4,5,5',6'-Heptachlorobiphenyl	192		128000	U
2,3,3',4',5,5',6'-Heptachlorobiphenyl	193		129000	C180
2,2',3,3',4,4',5,5'-Octachlorobiphenyl	194	218000000	124000	
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	195	92100000	136000	

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COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	196	119000000	186000	
2,2',3,3',4,4',6,6'-Octachlorobiphenyl	197	35100000	136000	C
2,2',3,3',4,5,5',6-Octachlorobiphenyl	198	214000000	184000	C
2,2',3,3',4,5,5',6'-Octachlorobiphenyl	199		184000	C198
2,2',3,3',4,5,6,6'-Octachlorobiphenyl	200		136000	C197
2,2',3,3',4,5',6,6'-Octachlorobiphenyl	201	26200000	135000	
2,2',3,3',5,5',6,6'-Octachlorobiphenyl	202	34600000	143000	
2,2',3,4,4',5,5',6-Octachlorobiphenyl	203	134000000	170000	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl	204		139000	U
2,3,3',4,4',5,5',6-Octachlorobiphenyl	205	9160000	86200	
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	206	24500000	118000	J
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	207	3890000	107000	
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	208	4930000	103000	
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	209	3120000	105000	

TOTAL = 8059091000

Notes:

- Data has been validated by SECOR personnel.
- B = The analyte was detected in the method, field and/or trip blank.
- C = Co-eluting congener. Reported value is the total sum of the co-eluting congener(s).
- Cx = Corresponding number (x) represents the co-eluting congener. See (x) for the summed results.
- J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- U = The analyte was analyzed for, but not detected above the reported sample quantitation limit.
- UJ = The analyte was not detected above the reported sample quantitation. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- Q = Estimated maximum possible concentration.
- pg/kg = Picograms per kilogram.
- Analytical data validated by SECOR personnel

Western Drainage Ditch Sediment Sample PCB Congener Results

WDT-4-B(0-3)

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Amtrak Former Fueling Facility

4001 Vandever Avenue

Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2-Chlorobiphenyl	1	8330000	839000	J
3-Chlorobiphenyl	2	2030000	767000	QJ
4-Chlorobiphenyl	3	3330000	667000	J
2,2'-Dichlorobiphenyl	4	23700000	6940000	QJ
2,3-Dichlorobiphenyl	5		4330000	U
2,3'-Dichlorobiphenyl	6	16500000	3980000	QJ
2,4-Dichlorobiphenyl	7		4150000	U
2,4'-Dichlorobiphenyl	8	32100000	3980000	Q
2,5-Dichlorobiphenyl	9		4170000	U
2,6-Dichlorobiphenyl	10		4310000	U
3,3'-Dichlorobiphenyl	11		4160000	U
3,4-Dichlorobiphenyl	12		4020000	U
3,4'-Dichlorobiphenyl	13		4020000	U
3,5-Dichlorobiphenyl	14		3980000	U
4,4'-Dichlorobiphenyl	15	17800000	3210000	QJ
2,2',3-Trichlorobiphenyl	16	13200000	3230000	QJ
2,2',4-Trichlorobiphenyl	17	21000000	2610000	QJ
2,2',5-Trichlorobiphenyl	18	44500000	2150000	C
2,2',6-Trichlorobiphenyl	19		2810000	U
2,3,3'-Trichlorobiphenyl	20	60400000	954000	C
2,3,4-Trichlorobiphenyl	21	28000000	987000	C
2,3,4'-Trichlorobiphenyl	22	22000000	1030000	J
2,3,5-Trichlorobiphenyl	23		1060000	U
2,3,6-Trichlorobiphenyl	24		1890000	U
2,3',4-Trichlorobiphenyl	25	7410000	898000	J
2,3',5-Trichlorobiphenyl	26	17800000	990000	CJ
2,3',6-Trichlorobiphenyl	27		1840000	U
2,4,4'-Trichlorobiphenyl	28		954000	C20
2,4,5-Trichlorobiphenyl	29		990000	C26
2,4,6-Trichlorobiphenyl	30		2150000	C18
2,4',5-Trichlorobiphenyl	31	55400000	973000	
2,4',6-Trichlorobiphenyl	32	16700000	1690000	J
2,3',4'-Trichlorobiphenyl	33		987000	C21
2,3',5'-Trichlorobiphenyl	34		1030000	U
3,3',4-Trichlorobiphenyl	35	2050000	1020000	J
3,3',5-Trichlorobiphenyl	36		954000	U
3,4,4'-Trichlorobiphenyl	37	13000000	851000	QJ
3,4,5-Trichlorobiphenyl	38		978000	U
3,4',5-Trichlorobiphenyl	39		905000	U

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COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,2',3,3'-Tetrachlorobiphenyl	40	32500000	2260000	C
2,2',3,4-Tetrachlorobiphenyl	41		2260000	C40
2,2',3,4'-Tetrachlorobiphenyl	42	17500000	2510000	J
2,2',3,5-Tetrachlorobiphenyl	43		2070000	U
2,2',3,5'-Tetrachlorobiphenyl	44	69000000	2040000	C
2,2',3,6-Tetrachlorobiphenyl	45	11100000	2370000	QCJ
2,2',3,6'-Tetrachlorobiphenyl	46	5760000	2760000	QJ
2,2',4,4'-Tetrachlorobiphenyl	47		2040000	C44
2,2',4,5-Tetrachlorobiphenyl	48	12500000	2270000	J
2,2',4,5'-Tetrachlorobiphenyl	49	51400000	1940000	C
2,2',4,6-Tetrachlorobiphenyl	50	12000000	2280000	QCJ
2,2',4,6'-Tetrachlorobiphenyl	51		2370000	C45
2,2',5,5'-Tetrachlorobiphenyl	52	101000000	2170000	
2,2',5,6-Tetrachlorobiphenyl	53		2280000	C50
2,2',6,6'-Tetrachlorobiphenyl	54		3430000	U
2,3,3',4-Tetrachlorobiphenyl	55		1710000	U
2,3,3',4'-Tetrachlorobiphenyl	56	26500000	1680000	J
2,3,3',5-Tetrachlorobiphenyl	57		1680000	U
2,3,3',5'-Tetrachlorobiphenyl	58		1640000	U
2,3,3',6-Tetrachlorobiphenyl	59	7810000	1650000	CJ
2,3,4,4'-Tetrachlorobiphenyl	60	10100000	1660000	QJ
2,3,4,5-Tetrachlorobiphenyl	61	113000000	1580000	C
2,3,4,6-Tetrachlorobiphenyl	62		1650000	C59
2,3,4',5-Tetrachlorobiphenyl	63	3380000	1570000	QJ
2,3,4',6-Tetrachlorobiphenyl	64	25700000	1640000	J
2,3,5,6-Tetrachlorobiphenyl	65		2040000	C44
2,3',4,4'-Tetrachlorobiphenyl	66	52000000	1560000	Q
2,3',4,5-Tetrachlorobiphenyl	67		1460000	U
2,3',4,5'-Tetrachlorobiphenyl	68		1520000	U
2,3',4,6-Tetrachlorobiphenyl	69		1940000	C49
2,3',4',5-Tetrachlorobiphenyl	70		1580000	C61
2,3',4',6-Tetrachlorobiphenyl	71		2260000	C40
2,3',5,5'-Tetrachlorobiphenyl	72	3460000	1620000	QJ
2,3',5,6-Tetrachlorobiphenyl	73		2070000	U
2,4,4',5-Tetrachlorobiphenyl	74		1580000	C61
2,4,4',6-Tetrachlorobiphenyl	75		1650000	C59
2,3',4',5'-Tetrachlorobiphenyl	76		1580000	C61
3,3',4,4'-Tetrachlorobiphenyl	77	7040000	1460000	J
3,3',4,5-Tetrachlorobiphenyl	78		1620000	U

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Amtrak Former Fueling Facility

4001 Vandever Avenue

Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
3,3',4,5'-Tetrachlorobiphenyl	79	2830000	1370000	J
3,3',5,5'-Tetrachlorobiphenyl	80		1450000	U
3,4,4',5-Tetrachlorobiphenyl	81		1200000	U
2,2',3,3',4-Pentachlorobiphenyl	82	8090000	2610000	QJ
2,2',3,3',5-Pentachlorobiphenyl	83	15300000	2700000	QJ
2,2',3,3',6-Pentachlorobiphenyl	84	41800000	2630000	Q
2,2',3,4,4'-Pentachlorobiphenyl	85	9830000	1870000	QCJ
2,2',3,4,5-Pentachlorobiphenyl	86	132000000	1870000	C
2,2',3,4,5'-Pentachlorobiphenyl	87		1870000	C86
2,2',3,4,6-Pentachlorobiphenyl	88	25100000	2320000	CJ
2,2',3,4,6'-Pentachlorobiphenyl	89		2520000	U
2,2',3,4',5-Pentachlorobiphenyl	90	636000000	1950000	C
2,2',3,4',6-Pentachlorobiphenyl	91		2320000	C88
2,2',3,5,5'-Pentachlorobiphenyl	92	105000000	2360000	
2,2',3,5,6-Pentachlorobiphenyl	93		2280000	U
2,2',3,5,6'-Pentachlorobiphenyl	94		2490000	U
2,2',3,5',6-Pentachlorobiphenyl	95	459000000	2280000	
2,2',3,6,6'-Pentachlorobiphenyl	96		1730000	U
2,2',3,4',5'-Pentachlorobiphenyl	97		1870000	C86
2,2',3,4',6'-Pentachlorobiphenyl	98	5890000	2320000	CJ
2,2',4,4',5-Pentachlorobiphenyl	99	63200000	1860000	QC
2,2',4,4',6-Pentachlorobiphenyl	100		2280000	U
2,2',4,5,5'-Pentachlorobiphenyl	101		1950000	C90
2,2',4,5,6'-Pentachlorobiphenyl	102		2320000	C98
2,2',4,5',6-Pentachlorobiphenyl	103	7410000	2130000	QJ
2,2',4,6,6'-Pentachlorobiphenyl	104		1680000	U
2,3,3',4,4'-Pentachlorobiphenyl	105	50000000	1070000	
2,3,3',4,5-Pentachlorobiphenyl	106		1140000	U
2,3,3',4',5-Pentachlorobiphenyl	107	27900000	1010000	Q
2,3,3',4,5'-Pentachlorobiphenyl	108	10000000	1120000	QCJ
2,3,3',4,6-Pentachlorobiphenyl	109		1870000	C86
2,3,3',4',6-Pentachlorobiphenyl	110	353000000	1650000	C
2,3,3',5,5'-Pentachlorobiphenyl	111		1590000	U
2,3,3',5,6-Pentachlorobiphenyl	112		1860000	C99
2,3,3',5',6-Pentachlorobiphenyl	113		1950000	C90
2,3,4,4',5-Pentachlorobiphenyl	114	2430000	951000	J
2,3,4,4',6-Pentachlorobiphenyl	115		1650000	C110
2,3,4,5,6-Pentachlorobiphenyl	116		1870000	C85
2,3,4',5,6-Pentachlorobiphenyl	117		1870000	C85

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COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,3',4,4',5-Pentachlorobiphenyl	118	193000000	884000	
2,3',4,4',6-Pentachlorobiphenyl	119		1870000	C86
2,3',4,5,5'-Pentachlorobiphenyl	120	3650000	1530000	QJ
2,3',4,5',6-Pentachlorobiphenyl	121		1660000	U
2,3,3',4',5'-Pentachlorobiphenyl	122		1180000	U
2,3',4,4',5'-Pentachlorobiphenyl	123		954000	U
2,3',4,5,5'-Pentachlorobiphenyl	124		1120000	C108
2,3',4,5',6-Pentachlorobiphenyl	125		1870000	C86
3,3',4,4',5-Pentachlorobiphenyl	126	5670000	1150000	QJ
3,3',4,5,5'-Pentachlorobiphenyl	127		1040000	U
2,2',3,3',4,4'-Hexachlorobiphenyl	128	120000000	2010000	C
2,2',3,3',4,5-Hexachlorobiphenyl	129	1520000000	2070000	C
2,2',3,3',4,5'-Hexachlorobiphenyl	130	79100000	2620000	
2,2',3,3',4,6-Hexachlorobiphenyl	131	7830000	2640000	QJ
2,2',3,3',4,6'-Hexachlorobiphenyl	132	444000000	2570000	
2,2',3,3',5,5'-Hexachlorobiphenyl	133	26200000	2420000	J
2,2',3,3',5,6-Hexachlorobiphenyl	134	56400000	2640000	QC
2,2',3,3',5,6'-Hexachlorobiphenyl	135	720000000	3720000	C
2,2',3,3',6,6'-Hexachlorobiphenyl	136	252000000	2760000	
2,2',3,4,4',5-Hexachlorobiphenyl	137	139000000	1970000	C
2,2',3,4,4',5'-Hexachlorobiphenyl	138		2070000	C129
2,2',3,4,4',6-Hexachlorobiphenyl	139	6330000	2220000	QCJ
2,2',3,4,4',6'-Hexachlorobiphenyl	140		2220000	C139
2,2',3,4,5,5'-Hexachlorobiphenyl	141	406000000	2350000	
2,2',3,4,5,6-Hexachlorobiphenyl	142		2600000	U
2,2',3,4,5,6'-Hexachlorobiphenyl	143		2640000	C134
2,2',3,4,5',6-Hexachlorobiphenyl	144	96500000	3630000	
2,2',3,4,6,6'-Hexachlorobiphenyl	145		2810000	U
2,2',3,4,5,5'-Hexachlorobiphenyl	146	277000000	2130000	
2,2',3,4,5,6-Hexachlorobiphenyl	147	1420000000	2130000	C
2,2',3,4,5,6'-Hexachlorobiphenyl	148		3700000	U
2,2',3,4',5',6-Hexachlorobiphenyl	149		2130000	C147
2,2',3,4',6,6'-Hexachlorobiphenyl	150		2690000	U
2,2',3,5,5',6-Hexachlorobiphenyl	151		3720000	C135
2,2',3,5,6,6'-Hexachlorobiphenyl	152		2660000	U
2,2',4,4',5,5'-Hexachlorobiphenyl	153	1670000000	1810000	C
2,2',4,4',5,6'-Hexachlorobiphenyl	154	8040000	3180000	QJ
2,2',4,4',6,6'-Hexachlorobiphenyl	155		2580000	U
2,3,3',4,4',5-Hexachlorobiphenyl	156	99300000	1840000	C

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COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,3,3',4,4',5'-Hexachlorobiphenyl	157		1840000	C156
2,3,3',4,4',6'-Hexachlorobiphenyl	158	132000000	1580000	
2,3,3',4,5,5'-Hexachlorobiphenyl	159	28300000	1660000	
2,3,3',4,5,6'-Hexachlorobiphenyl	160		1850000	U
2,3,3',4,5',6'-Hexachlorobiphenyl	161		1720000	U
2,3,3',4',5,5'-Hexachlorobiphenyl	162	5500000	1660000	QJ
2,3,3',4',5,6'-Hexachlorobiphenyl	163		2070000	C129
2,3,3',4',5',6'-Hexachlorobiphenyl	164		1970000	C137
2,3,3',5,5',6'-Hexachlorobiphenyl	165		1880000	U
2,3,4,4',5,6'-Hexachlorobiphenyl	166		2010000	C128
2,3',4,4',5,5'-Hexachlorobiphenyl	167	71800000	1430000	
2,3',4,4',5,6'-Hexachlorobiphenyl	168		1810000	C153
3,3',4,4',5,5'-Hexachlorobiphenyl	169	4370000	1260000	QJ
2,2',3,3',4,4',5'-Heptachlorobiphenyl	170	511000000	1770000	
2,2',3,3',4,4',6'-Heptachlorobiphenyl	171	192000000	2170000	C
2,2',3,3',4,5,5'-Heptachlorobiphenyl	172	123000000	2200000	
2,2',3,3',4,5,6'-Heptachlorobiphenyl	173		2170000	C171
2,2',3,3',4,5,6'-Heptachlorobiphenyl	174	652000000	2040000	
2,2',3,3',4,5',6'-Heptachlorobiphenyl	175	26400000	1950000	J
2,2',3,3',4,6,6'-Heptachlorobiphenyl	176	73700000	1550000	Q
2,2',3,3',4,5',6'-Heptachlorobiphenyl	177	385000000	2180000	
2,2',3,3',5,5',6'-Heptachlorobiphenyl	178	123000000	2090000	
2,2',3,3',5,6,6'-Heptachlorobiphenyl	179	262000000	1530000	
2,2',3,4,4',5,5'-Heptachlorobiphenyl	180	1330000000	1540000	CJ
2,2',3,4,4',5,6'-Heptachlorobiphenyl	181	4900000	2030000	J
2,2',3,4,4',5,6'-Heptachlorobiphenyl	182		1970000	U
2,2',3,4,4',5',6'-Heptachlorobiphenyl	183	446000000	1950000	C
2,2',3,4,4',6,6'-Heptachlorobiphenyl	184		1440000	U
2,2',3,4,5,5',6'-Heptachlorobiphenyl	185		1950000	C183
2,2',3,4,5,6,6'-Heptachlorobiphenyl	186		1560000	U
2,2',3,4',5,5',6'-Heptachlorobiphenyl	187	701000000	1840000	
2,2',3,4',5,6,6'-Heptachlorobiphenyl	188		1490000	U
2,3,3',4,4',5,5'-Heptachlorobiphenyl	189	20800000	1240000	QJ
2,3,3',4,4',5,6'-Heptachlorobiphenyl	190	116000000	1570000	
2,3,3',4,4',5',6'-Heptachlorobiphenyl	191	33700000	1530000	
2,3,3',4,5,5',6'-Heptachlorobiphenyl	192		1660000	U
2,3,3',4',5,5',6'-Heptachlorobiphenyl	193		1660000	C180
2,2',3,3',4,4',5,5'-Octachlorobiphenyl	194	318000000	1270000	
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	195	136000000	1390000	

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COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	196	210000000	1910000	
2,2',3,3',4,4',6,6'-Octachlorobiphenyl	197	46100000	1390000	QC
2,2',3,3',4,5,5',6'-Octachlorobiphenyl	198	345000000	1890000	C
2,2',3,3',4,5,5',6'-Octachlorobiphenyl	199		1890000	C198
2,2',3,3',4,5,6,6'-Octachlorobiphenyl	200		1390000	C197
2,2',3,3',4,5,6,6'-Octachlorobiphenyl	201	38800000	1390000	
2,2',3,3',5,5',6,6'-Octachlorobiphenyl	202	54000000	1470000	
2,2',3,4,4',5,5',6'-Octachlorobiphenyl	203	200000000	1740000	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl	204		1430000	U
2,3,3',4,4',5,5',6'-Octachlorobiphenyl	205	15900000	885000	J
2,2',3,3',4,4',5,5',6'-Nonachlorobiphenyl	206	46700000	2310000	
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	207	7800000	2080000	J
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	208	8530000	2010000	J
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	209	25100000	1550000	QJ

TOTAL = 1716620000

Notes:

Sample collected

Data has been validated by SECOR personnel.

B = The analyte was detected in the method, field and/or trip blank.

C = Co-eluting congener. Reported value is the total sum of the co-eluting congener(s).

Cx = Corresponding number (x) represents the co-eluting congener. See (x) for the summed results.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

U = The analyte was analyzed for, but not detected above the reported sample quantitation limit.

UJ = The analyte was not detected above the reported sample quantitation. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Q = Estimated maximum possible concentration.

pg/kg = Picograms per kilogram.

Analytical data validated by SECOR personnel

Western Drainage Ditch Sediment Sample PCB Congener Results

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Amtrak Former Fueling Facility

4001 Vandever Avenue

Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2-Chlorobiphenyl	1	11500	563	QJ
3-Chlorobiphenyl	2	8840	515	J
4-Chlorobiphenyl	3		447	BJ
2,2'-Dichlorobiphenyl	4	63500	5090	
2,3-Dichlorobiphenyl	5	1820	3180	QJ
2,3'-Dichlorobiphenyl	6	10100	2920	QJ
2,4-Dichlorobiphenyl	7	4320	3050	QJ
2,4'-Dichlorobiphenyl	8		2920	QBJ
2,5-Dichlorobiphenyl	9		3060	U
2,6-Dichlorobiphenyl	10	8070	3170	QJ
3,3'-Dichlorobiphenyl	11		40000	UJB
3,4-Dichlorobiphenyl	12		30000	UJBC
3,4'-Dichlorobiphenyl	13		30000	UJBC12
3,5-Dichlorobiphenyl	14		2920	U
4,4'-Dichlorobiphenyl	15		30000	UJB
2,2',3-Trichlorobiphenyl	16	15600	2630	QJ
2,2',4-Trichlorobiphenyl	17		2120	QBJ
2,2',5-Trichlorobiphenyl	18		1750	QBCJ
2,2',6-Trichlorobiphenyl	19	14500	2290	QJ
2,3,3'-Trichlorobiphenyl	20		777	BCJ
2,3,4-Trichlorobiphenyl	21		804	BCJ
2,3,4'-Trichlorobiphenyl	22		843	QBJ
2,3,5-Trichlorobiphenyl	23		863	U
2,3,6-Trichlorobiphenyl	24		1540	U
2,3',4-Trichlorobiphenyl	25	4690	732	QJ
2,3',5-Trichlorobiphenyl	26		4000	BQCJ
2,3',6-Trichlorobiphenyl	27	8270	1500	QJ
2,4,4'-Trichlorobiphenyl	28		777	C20
2,4,5-Trichlorobiphenyl	29		806	C26
2,4,6-Trichlorobiphenyl	30		1750	C18
2,4',5-Trichlorobiphenyl	31		793	BJ
2,4',6-Trichlorobiphenyl	32	12900	1380	QJ
2,3',4'-Trichlorobiphenyl	33		804	C21
2,3',5'-Trichlorobiphenyl	34		839	U
3,3',4-Trichlorobiphenyl	35		832	U
3,3',5-Trichlorobiphenyl	36		777	U
3,4,4'-Trichlorobiphenyl	37		694	JB
3,4,5-Trichlorobiphenyl	38		797	U
3,4',5-Trichlorobiphenyl	39	1750	738	QJ

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COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,2',3,3'-Tetrachlorobiphenyl	40	21800	1620	CJ
2,2',3,4'-Tetrachlorobiphenyl	41		1620	C40
2,2',3,4'-Tetrachlorobiphenyl	42		1790	BJ
2,2',3,5'-Tetrachlorobiphenyl	43		1480	U
2,2',3,5'-Tetrachlorobiphenyl	44		1460	CJB
2,2',3,6'-Tetrachlorobiphenyl	45	15000	1690	QCJ
2,2',3,6'-Tetrachlorobiphenyl	46		1970	U
2,2',4,4'-Tetrachlorobiphenyl	47		1460	C44JB
2,2',4,5'-Tetrachlorobiphenyl	48	7000	1620	QJ
2,2',4,5'-Tetrachlorobiphenyl	49	26200	1380	CJ
2,2',4,6'-Tetrachlorobiphenyl	50	10100	1630	CJ
2,2',4,6'-Tetrachlorobiphenyl	51		1690	C45
2,2',5,5'-Tetrachlorobiphenyl	52	53200	1550	
2,2',5,6'-Tetrachlorobiphenyl	53		1630	C50
2,2',6,6'-Tetrachlorobiphenyl	54		2450	U
2,3,3',4'-Tetrachlorobiphenyl	55		1220	U
2,3,3',4'-Tetrachlorobiphenyl	56	16500	1200	J
2,3,3',5'-Tetrachlorobiphenyl	57		1200	U
2,3,3',5'-Tetrachlorobiphenyl	58		1170	U
2,3,3',6'-Tetrachlorobiphenyl	59	4480	1180	QCJ
2,3,4,4'-Tetrachlorobiphenyl	60	7300	1180	QJ
2,3,4,5'-Tetrachlorobiphenyl	61		1130	JB
2,3,4,6'-Tetrachlorobiphenyl	62		1180	C59
2,3,4',5'-Tetrachlorobiphenyl	63		1120	U
2,3,4',6'-Tetrachlorobiphenyl	64	14500	1170	J
2,3,5,6'-Tetrachlorobiphenyl	65		1460	C44JB
2,3',4,4'-Tetrachlorobiphenyl	66		1120	BJ
2,3',4,5'-Tetrachlorobiphenyl	67		1050	U
2,3',4,5'-Tetrachlorobiphenyl	68		1090	U
2,3',4,6'-Tetrachlorobiphenyl	69		1380	C49
2,3',4',5'-Tetrachlorobiphenyl	70		1130	C61JB
2,3',4',6'-Tetrachlorobiphenyl	71		1620	C40
2,3',5,5'-Tetrachlorobiphenyl	72		1160	U
2,3',5',6'-Tetrachlorobiphenyl	73		1480	U
2,4,4',5'-Tetrachlorobiphenyl	74		1130	C61JB
2,4,4',6'-Tetrachlorobiphenyl	75		1180	C59
2,3',4',5'-Tetrachlorobiphenyl	76		1130	C61JB
3,3',4,4'-Tetrachlorobiphenyl	77	5160	1040	QJ
3,3',4,5'-Tetrachlorobiphenyl	78		1160	U

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COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
3,3',4,5'-Tetrachlorobiphenyl	79		976	U
3,3',5,5'-Tetrachlorobiphenyl	80		1040	U
3,4,4',5'-Tetrachlorobiphenyl	81		1020	U
2,2',3,3',4'-Pentachlorobiphenyl	82	10500	2490	QJ
2,2',3,3',5'-Pentachlorobiphenyl	83	6070	2580	J
2,2',3,3',6'-Pentachlorobiphenyl	84	18700	2520	QJ
2,2',3,4,4'-Pentachlorobiphenyl	85	11700	1780	QCJ
2,2',3,4,5'-Pentachlorobiphenyl	86	63700	1790	QC
2,2',3,4,5'-Pentachlorobiphenyl	87		1790	C86
2,2',3,4,6'-Pentachlorobiphenyl	88	11500	2220	CJ
2,2',3,4,6'-Pentachlorobiphenyl	89		2400	U
2,2',3,4',5'-Pentachlorobiphenyl	90		1860	CJB
2,2',3,4',6'-Pentachlorobiphenyl	91		2220	C88
2,2',3,5,5'-Pentachlorobiphenyl	92	41700	2260	J
2,2',3,5,6'-Pentachlorobiphenyl	93		2180	U
2,2',3,5,6'-Pentachlorobiphenyl	94		2380	U
2,2',3,5',6'-Pentachlorobiphenyl	95	192000	2180	
2,2',3,6,6'-Pentachlorobiphenyl	96		1660	U
2,2',3,4',5'-Pentachlorobiphenyl	97		1790	C86
2,2',3,4',6'-Pentachlorobiphenyl	98		2220	U
2,2',4,4',5'-Pentachlorobiphenyl	99	37500	1770	CJ
2,2',4,4',6'-Pentachlorobiphenyl	100		2180	U
2,2',4,5,5'-Pentachlorobiphenyl	101		1860	C90JB
2,2',4,5,6'-Pentachlorobiphenyl	102		2220	U
2,2',4,5',6'-Pentachlorobiphenyl	103		2040	U
2,2',4,6,6'-Pentachlorobiphenyl	104		1610	U
2,3,3',4,4'-Pentachlorobiphenyl	105	42000	969	J
2,3,3',4,5'-Pentachlorobiphenyl	106		1090	U
2,3,3',4',5'-Pentachlorobiphenyl	107	16800	963	QJ
2,3,3',4,5'-Pentachlorobiphenyl	108	7300	1070	QCJ
2,3,3',4,6'-Pentachlorobiphenyl	109		1790	C86
2,3,3',4',6'-Pentachlorobiphenyl	110		1580	CJB
2,3,3',5,5'-Pentachlorobiphenyl	111		1520	U
2,3,3',5,6'-Pentachlorobiphenyl	112		1770	C99
2,3,3',5',6'-Pentachlorobiphenyl	113		1860	C90JB
2,3,4,4',5'-Pentachlorobiphenyl	114	2200	884	QJ
2,3,4,4',6'-Pentachlorobiphenyl	115		1580	C110JB
2,3,4,5,6'-Pentachlorobiphenyl	116		1780	C85
2,3,4',5,6'-Pentachlorobiphenyl	117		1780	C85

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COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,3',4,4',5-Pentachlorobiphenyl	118		916	JB
2,3',4,4',6-Pentachlorobiphenyl	119		1790	C86
2,3',4,5,5'-Pentachlorobiphenyl	120		1460	U
2,3',4,5,6-Pentachlorobiphenyl	121		1590	U
2,3,3',4',5'-Pentachlorobiphenyl	122		1130	U
2,3',4,4',5'-Pentachlorobiphenyl	123		918	U
2,3',4',5,5'-Pentachlorobiphenyl	124		1070	C108
2,3',4',5,6-Pentachlorobiphenyl	125		1790	C86
3,3',4,4',5-Pentachlorobiphenyl	126	4030	1080	QJ
3,3',4,5,5'-Pentachlorobiphenyl	127		997	U
2,2',3,3',4,4'-Hexachlorobiphenyl	128	53700	1950	C
2,2',3,3',4,5-Hexachlorobiphenyl	129		2000	CJB
2,2',3,3',4,5'-Hexachlorobiphenyl	130	36200	2540	J
2,2',3,3',4,6-Hexachlorobiphenyl	131	7340	2560	QJ
2,2',3,3',4,6'-Hexachlorobiphenyl	132	216000	2490	
2,2',3,3',5,5'-Hexachlorobiphenyl	133	9030	2350	QJ
2,2',3,3',5,6-Hexachlorobiphenyl	134	29100	2560	CJ
2,2',3,3',5,6'-Hexachlorobiphenyl	135	304000	3600	C
2,2',3,3',6,6'-Hexachlorobiphenyl	136	105000	2670	
2,2',3,4,4',5-Hexachlorobiphenyl	137	67200	1910	C
2,2',3,4,4',5'-Hexachlorobiphenyl	138		2000	C129JB
2,2',3,4,4',6-Hexachlorobiphenyl	139		2150	U
2,2',3,4,4',6'-Hexachlorobiphenyl	140		2150	U
2,2',3,4,5,5'-Hexachlorobiphenyl	141	194000	2280	
2,2',3,4,5,6-Hexachlorobiphenyl	142		2520	U
2,2',3,4,5,6'-Hexachlorobiphenyl	143		2560	C134
2,2',3,4,5,6-Hexachlorobiphenyl	144	45200	3520	
2,2',3,4,6,6'-Hexachlorobiphenyl	145		2730	U
2,2',3,4',5,5'-Hexachlorobiphenyl	146	135000	2060	
2,2',3,4',5,6-Hexachlorobiphenyl	147		2070	CJB
2,2',3,4',5,6'-Hexachlorobiphenyl	148		3590	U
2,2',3,4',5,6-Hexachlorobiphenyl	149		2070	C147JB
2,2',3,4',6,6'-Hexachlorobiphenyl	150		2610	U
2,2',3,5,5',6-Hexachlorobiphenyl	151		3600	C135
2,2',3,5,6,6'-Hexachlorobiphenyl	152		2580	U
2,2',4,4',5,5'-Hexachlorobiphenyl	153		1760	CJB
2,2',4,4',5,6'-Hexachlorobiphenyl	154	4850	3080	QJ
2,2',4,4',6,6'-Hexachlorobiphenyl	155		2500	U
2,3,3',4,4',5-Hexachlorobiphenyl	156	51700	1590	C

Western Drainage Ditch Sediment Sample PCB Congener Results

WDT-4-C

April 28, 2005

Amtrak Former Fueling Facility

4001 Vandever Avenue

Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,3,3',4,4',5'-Hexachlorobiphenyl	157		1590	C156
2,3,3',4,4',6-Hexachlorobiphenyl	158	68500	1530	
2,3,3',4,5,5'-Hexachlorobiphenyl	159	18600	1610	J
2,3,3',4,5,6-Hexachlorobiphenyl	160		1790	U
2,3,3',4,5',6-Hexachlorobiphenyl	161		1670	U
2,3,3',4',5,5'-Hexachlorobiphenyl	162	3150	1600	QJ
2,3,3',4',5,6-Hexachlorobiphenyl	163		2000	C129JB
2,3,3',4',5',6-Hexachlorobiphenyl	164		1910	C137
2,3,3',5,5',6-Hexachlorobiphenyl	165		1820	U
2,3,4,4',5,6-Hexachlorobiphenyl	166		1950	C128
2,3',4,4',5,5'-Hexachlorobiphenyl	167	32300	1400	J
2,3',4,4',5',6-Hexachlorobiphenyl	168		1760	C153JB
3,3',4,4',5,5'-Hexachlorobiphenyl	169		1450	U
2,2',3,3',4,4',5-Heptachlorobiphenyl	170		2270	JB
2,2',3,3',4,4',6-Heptachlorobiphenyl	171	101000	2560	C
2,2',3,3',4,5,5'-Heptachlorobiphenyl	172	64700	2590	
2,2',3,3',4,5,6-Heptachlorobiphenyl	173		2560	C171
2,2',3,3',4,5,6'-Heptachlorobiphenyl	174	309000	2400	
2,2',3,3',4,5',6-Heptachlorobiphenyl	175	17300	2300	J
2,2',3,3',4,6,6'-Heptachlorobiphenyl	176	40400	1820	J
2,2',3,3',4,5',6'-Heptachlorobiphenyl	177	195000	2570	
2,2',3,3',5,5',6-Heptachlorobiphenyl	178	54900	2470	
2,2',3,3',5,6,6'-Heptachlorobiphenyl	179	121000	1800	
2,2',3,4,4',5,5'-Heptachlorobiphenyl	180		1960	CJB
2,2',3,4,4',5,6-Heptachlorobiphenyl	181		2400	U
2,2',3,4,4',5,6'-Heptachlorobiphenyl	182		2330	U
2,2',3,4,4',5',6-Heptachlorobiphenyl	183	217000	2300	C
2,2',3,4,4',6,6'-Heptachlorobiphenyl	184		1690	U
2,2',3,4,5,5',6-Heptachlorobiphenyl	185		2300	C183
2,2',3,4,5,6,6'-Heptachlorobiphenyl	186		1840	U
2,2',3,4',5,5',6-Heptachlorobiphenyl	187	362000	2170	
2,2',3,4',5,6,6'-Heptachlorobiphenyl	188		1760	U
2,3,3',4,4',5,5'-Heptachlorobiphenyl	189	19400	1340	J
2,3,3',4,4',5,6-Heptachlorobiphenyl	190	68100	1850	
2,3,3',4,4',5',6-Heptachlorobiphenyl	191	15100	1810	QJ
2,3,3',4,5,5',6-Heptachlorobiphenyl	192		1950	U
2,3,3',4',5,5',6-Heptachlorobiphenyl	193		1950	C180JB
2,2',3,3',4,4',5,5'-Octachlorobiphenyl	194	174000	2050	
2,2',3,3',4,4',5,6-Octachlorobiphenyl	195	83900	2250	

Western Drainage Ditch Sediment Sample PCB Congener Results

WDT-4-C

April 28, 2005

Amtrak Former Fueling Facility

4001 Vandever Avenue

Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	196	102000	3080	
2,2',3,3',4,4',6,6'-Octachlorobiphenyl	197	37700	2250	CJ
2,2',3,3',4,5,5',6-Octachlorobiphenyl	198	172000	3060	C
2,2',3,3',4,5,5',6'-Octachlorobiphenyl	199		3060	C198
2,2',3,3',4,5,6,6'-Octachlorobiphenyl	200		2250	C197
2,2',3,3',4,5',6,6'-Octachlorobiphenyl	201	20100	2240	QJ
2,2',3,3',5,5',6,6'-Octachlorobiphenyl	202	27200	2370	J
2,2',3,4,4',5,5',6-Octachlorobiphenyl	203	106000	2820	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl	204		2310	U
2,3,3',4,4',5,5',6-Octachlorobiphenyl	205	6060	1430	QJ
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	206	19900	1660	QJ
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	207	7230	1500	QJ
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	208	7180	1440	J
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	209	8080	1570	J
TOTAL =		4549920		

Notes:

Sample collected

Data has been validated by SECOR personnel.

B = The analyte was detected in the method, field and/or trip blank.

C = Co-eluting congener. Reported value is the total sum of the co-eluting congener(s).

Cx = Corresponding number (x) represents the co-eluting congener. See (x) for the summed results.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

U = The analyte was analyzed for, but not detected above the reported sample quantitation limit.

UJ = The analyte was not detected above the reported sample quantitation. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Q = Estimated maximum possible concentration.

pg/kg = Picograms per kilogram.

Analytical data validated by SECOR personnel

Drainage Ditch North of Eastern Drainage Ditch
Sediment Sample PCB Congener Results

NED-3-B(0-3)

April 19, 2005

Amtrak Former Fueling Facility

4001 Vandever Avenue

Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2-Chlorobiphenyl	1		584000	U
3-Chlorobiphenyl	2		534000	U
4-Chlorobiphenyl	3		464000	U
2,2'-Dichlorobiphenyl	4		6840000	U
2,3-Dichlorobiphenyl	5		4270000	U
2,3'-Dichlorobiphenyl	6		3920000	U
2,4-Dichlorobiphenyl	7		4090000	U
2,4'-Dichlorobiphenyl	8		3920000	U
2,5-Dichlorobiphenyl	9		4120000	U
2,6-Dichlorobiphenyl	10		4250000	U
3,3'-Dichlorobiphenyl	11		4100000	U
3,4-Dichlorobiphenyl	12		3970000	U
3,4'-Dichlorobiphenyl	13		3970000	U
3,5-Dichlorobiphenyl	14		3920000	U
4,4'-Dichlorobiphenyl	15		3160000	QBJ
2,2',3-Trichlorobiphenyl	16		2940000	U
2,2',4-Trichlorobiphenyl	17	21400000	2380000	Q
2,2',5-Trichlorobiphenyl	18	4200000	1960000	QCJ
2,2',6-Trichlorobiphenyl	19	19300000	2560000	Q
2,3,3'-Trichlorobiphenyl	20	36900000	870000	C
2,3,4-Trichlorobiphenyl	21	73400000	900000	C
2,3,4'-Trichlorobiphenyl	22	4350000	944000	QJ
2,3,5-Trichlorobiphenyl	23		966000	U
2,3,6-Trichlorobiphenyl	24		1720000	U
2,3',4-Trichlorobiphenyl	25	27700000	819000	
2,3',5-Trichlorobiphenyl	26		903000	U
2,3',6-Trichlorobiphenyl	27	6720000	1680000	QJ
2,4,4'-Trichlorobiphenyl	28		870000	C20
2,4,5-Trichlorobiphenyl	29		903000	U
2,4,6-Trichlorobiphenyl	30		1960000	C18
2,4',5-Trichlorobiphenyl	31	12300000	888000	J
2,4',6-Trichlorobiphenyl	32	131000000	1540000	
2,3',4'-Trichlorobiphenyl	33		900000	C21
2,3',5'-Trichlorobiphenyl	34		939000	U
3,3',4-Trichlorobiphenyl	35		931000	U
3,3',5-Trichlorobiphenyl	36		870000	U
3,4,4'-Trichlorobiphenyl	37	4760000	776000	QJ
3,4,5-Trichlorobiphenyl	38		892000	U
3,4',5-Trichlorobiphenyl	39		826000	U

Drainage Ditch North of Eastern Drainage Ditch
Sediment Sample PCB Congener Results
NED-3-B(0-3)

April 19, 2005

Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,2',3,3'-Tetrachlorobiphenyl	40	292000000	1660000	C
2,2',3,4'-Tetrachlorobiphenyl	41		1660000	C40
2,2',3,4'-Tetrachlorobiphenyl	42	21200000	1840000	
2,2',3,5'-Tetrachlorobiphenyl	43	49700000	1520000	C
2,2',3,5'-Tetrachlorobiphenyl	44	2260000000	1490000	C
2,2',3,6'-Tetrachlorobiphenyl	45	1810000000	1730000	C
2,2',3,6'-Tetrachlorobiphenyl	46	236000000	2020000	
2,2',4,4'-Tetrachlorobiphenyl	47		1490000	C44
2,2',4,5'-Tetrachlorobiphenyl	48		1660000	U
2,2',4,5'-Tetrachlorobiphenyl	49	706000000	1420000	C
2,2',4,6'-Tetrachlorobiphenyl	50	649000000	1670000	C
2,2',4,6'-Tetrachlorobiphenyl	51		1730000	C45
2,2',5,5'-Tetrachlorobiphenyl	52	108000000	1590000	
2,2',5,6'-Tetrachlorobiphenyl	53		1670000	C50
2,2',6,6'-Tetrachlorobiphenyl	54	236000000	2510000	
2,3,3',4'-Tetrachlorobiphenyl	55		1250000	U
2,3,3',4'-Tetrachlorobiphenyl	56	10400000	1230000	J
2,3,3',5'-Tetrachlorobiphenyl	57		1230000	U
2,3,3',5'-Tetrachlorobiphenyl	58		1200000	U
2,3,3',6'-Tetrachlorobiphenyl	59	51700000	1210000	C
2,3,4,4'-Tetrachlorobiphenyl	60	4230000	1210000	QJ
2,3,4,5'-Tetrachlorobiphenyl	61	49500000	1160000	C
2,3,4,6'-Tetrachlorobiphenyl	62		1210000	C59
2,3,4',5'-Tetrachlorobiphenyl	63	7690000	1150000	J
2,3,4',6'-Tetrachlorobiphenyl	64		1200000	U
2,3,5,6'-Tetrachlorobiphenyl	65		1490000	C44
2,3',4,4'-Tetrachlorobiphenyl	66	96800000	1140000	
2,3',4,5'-Tetrachlorobiphenyl	67	12300000	1070000	J
2,3',4,5'-Tetrachlorobiphenyl	68	24500000	1110000	
2,3',4,6'-Tetrachlorobiphenyl	69		1420000	C49
2,3',4',5'-Tetrachlorobiphenyl	70		1160000	C61
2,3',4',6'-Tetrachlorobiphenyl	71		1660000	C40
2,3',5,5'-Tetrachlorobiphenyl	72	3080000	1180000	QJ
2,3',5,6'-Tetrachlorobiphenyl	73		1520000	C43
2,4,4',5'-Tetrachlorobiphenyl	74		1160000	C61
2,4,4',6'-Tetrachlorobiphenyl	75		1210000	C59
2,3',4',5'-Tetrachlorobiphenyl	76		1160000	C61
3,3',4,4'-Tetrachlorobiphenyl	77	4820000	1070000	J
3,3',4,5'-Tetrachlorobiphenyl	78		1180000	U

Drainage Ditch North of Eastern Drainage Ditch
Sediment Sample PCB Congener Results

NED-3-B(0-3)

April 19, 2005

Amtrak Former Fueling Facility

4001 Vandever Avenue

Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
3,3',4,5'-Tetrachlorobiphenyl	79	2040000	998000	J
3,3',5,5'-Tetrachlorobiphenyl	80		1060000	U
3,4,4',5'-Tetrachlorobiphenyl	81		1080000	U
2,2',3,3',4'-Pentachlorobiphenyl	82	6350000	2650000	J
2,2',3,3',5'-Pentachlorobiphenyl	83	3440000	2740000	QJ
2,2',3,3',6'-Pentachlorobiphenyl	84	16300000	2680000	Q
2,2',3,4,4'-Pentachlorobiphenyl	85	36900000	1900000	QC
2,2',3,4,5'-Pentachlorobiphenyl	86	223000000	1900000	C
2,2',3,4,5'-Pentachlorobiphenyl	87		1900000	C86
2,2',3,4,6'-Pentachlorobiphenyl	88	137000000	2360000	C
2,2',3,4,6'-Pentachlorobiphenyl	89		2560000	U
2,2',3,4',5'-Pentachlorobiphenyl	90	544000000	1980000	C
2,2',3,4',6'-Pentachlorobiphenyl	91		2360000	C88
2,2',3,5,5'-Pentachlorobiphenyl	92	87900000	2400000	
2,2',3,5,6'-Pentachlorobiphenyl	93	499000000	2310000	C
2,2',3,5,6'-Pentachlorobiphenyl	94	70200000	2530000	
2,2',3,5',6'-Pentachlorobiphenyl	95	148000000	2320000	
2,2',3,6,6'-Pentachlorobiphenyl	96	27600000	1760000	
2,2',3,4',5'-Pentachlorobiphenyl	97		1900000	C86
2,2',3,4',6'-Pentachlorobiphenyl	98	190000000	2360000	C
2,2',4,4',5'-Pentachlorobiphenyl	99	391000000	1890000	C
2,2',4,4',6'-Pentachlorobiphenyl	100		2310000	C93
2,2',4,5,5'-Pentachlorobiphenyl	101		1980000	C90
2,2',4,5,6'-Pentachlorobiphenyl	102		2360000	C98
2,2',4,5',6'-Pentachlorobiphenyl	103	149000000	2170000	
2,2',4,6,6'-Pentachlorobiphenyl	104	66100000	1710000	
2,3,3',4,4'-Pentachlorobiphenyl	105	49600000	1050000	
2,3,3',4,5'-Pentachlorobiphenyl	106		1160000	U
2,3,3',4',5'-Pentachlorobiphenyl	107	15100000	1020000	
2,3,3',4,5'-Pentachlorobiphenyl	108	6420000	1140000	QCJ
2,3,3',4,6'-Pentachlorobiphenyl	109		1900000	C86
2,3,3',4',6'-Pentachlorobiphenyl	110	218000000	1680000	C
2,3,3',5,5'-Pentachlorobiphenyl	111	2120000	1610000	QJ
2,3,3',5,6'-Pentachlorobiphenyl	112		1890000	C99
2,3,3',5',6'-Pentachlorobiphenyl	113		1980000	C90
2,3,4,4',5'-Pentachlorobiphenyl	114		921000	U
2,3,4,4',6'-Pentachlorobiphenyl	115		1680000	C110
2,3,4,5,6'-Pentachlorobiphenyl	116		1900000	C85
2,3,4',5,6'-Pentachlorobiphenyl	117		1900000	C85

Drainage Ditch North of Eastern Drainage Ditch
 Sediment Sample PCB Congener Results
 NED-3-B(0-3)
 April 19, 2005
 Amtrak Former Fueling Facility
 4001 Vandever Avenue
 Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,3',4,4',5-Pentachlorobiphenyl	118	154000000	948000	
2,3',4,4',6-Pentachlorobiphenyl	119		1900000	C86
2,3',4,5,5'-Pentachlorobiphenyl	120	4430000	1550000	J
2,3',4,5,6-Pentachlorobiphenyl	121	5050000	1690000	QJ
2,3,3',4',5'-Pentachlorobiphenyl	122	2260000	1200000	QJ
2,3',4,4',5'-Pentachlorobiphenyl	123	3520000	955000	J
2,3',4',5,5'-Pentachlorobiphenyl	124		1140000	C108
2,3',4',5',6-Pentachlorobiphenyl	125		1900000	C86
3,3',4,4',5-Pentachlorobiphenyl	126		1210000	U
3,3',4,5,5'-Pentachlorobiphenyl	127		1060000	U
2,2',3,3',4,4'-Hexachlorobiphenyl	128	85000000	1980000	C
2,2',3,3',4,5-Hexachlorobiphenyl	129	1260000000	2030000	C
2,2',3,3',4,5'-Hexachlorobiphenyl	130	39300000	2570000	Q
2,2',3,3',4,6-Hexachlorobiphenyl	131	5080000	2590000	J
2,2',3,3',4,6'-Hexachlorobiphenyl	132	234000000	2520000	
2,2',3,3',5,5'-Hexachlorobiphenyl	133	20500000	2380000	
2,2',3,3',5,6-Hexachlorobiphenyl	134	46600000	2590000	C
2,2',3,3',5,6'-Hexachlorobiphenyl	135	436000000	3650000	C
2,2',3,3',6,6'-Hexachlorobiphenyl	136	110000000	2700000	Q
2,2',3,4,4',5-Hexachlorobiphenyl	137	125000000	1940000	C
2,2',3,4,4',5'-Hexachlorobiphenyl	138		2030000	C129
2,2',3,4,4',6-Hexachlorobiphenyl	139	12000000	2170000	QCJ
2,2',3,4,4',6'-Hexachlorobiphenyl	140		2170000	C139
2,2',3,4,5,5'-Hexachlorobiphenyl	141	283000000	2300000	
2,2',3,4,5,6-Hexachlorobiphenyl	142		2550000	U
2,2',3,4,5,6'-Hexachlorobiphenyl	143		2590000	C134
2,2',3,4,5',6-Hexachlorobiphenyl	144	60900000	3560000	
2,2',3,4,6,6'-Hexachlorobiphenyl	145		2760000	U
2,2',3,4',5,5'-Hexachlorobiphenyl	146	204000000	2090000	
2,2',3,4',5,6-Hexachlorobiphenyl	147	964000000	2090000	C
2,2',3,4',5,6'-Hexachlorobiphenyl	148	12200000	3630000	J
2,2',3,4',5',6-Hexachlorobiphenyl	149		2090000	C147
2,2',3,4',6,6'-Hexachlorobiphenyl	150	12300000	2640000	J
2,2',3,5,5',6-Hexachlorobiphenyl	151		3650000	C135
2,2',3,5,6,6'-Hexachlorobiphenyl	152	12200000	2610000	QJ
2,2',4,4',5,5'-Hexachlorobiphenyl	153	1280000000	1780000	C
2,2',4,4',5,6'-Hexachlorobiphenyl	154	66800000	3120000	
2,2',4,4',6,6'-Hexachlorobiphenyl	155	5790000	2530000	QJ
2,3,3',4,4',5-Hexachlorobiphenyl	156	87000000	1580000	C

Drainage Ditch North of Eastern Drainage Ditch
Sediment Sample PCB Congener Results
NED-3-B(0-3)
April 19, 2005
Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,3,3',4,4',5'-Hexachlorobiphenyl	157		1580000	C156
2,3,3',4,4',6'-Hexachlorobiphenyl	158	117000000	1550000	
2,3,3',4,5,5'-Hexachlorobiphenyl	159	26000000	1630000	
2,3,3',4,5,6'-Hexachlorobiphenyl	160		1810000	U
2,3,3',4,5',6'-Hexachlorobiphenyl	161		1690000	U
2,3,3',4',5,5'-Hexachlorobiphenyl	162		1620000	U
2,3,3',4',5,6'-Hexachlorobiphenyl	163		2030000	C129
2,3,3',4',5',6'-Hexachlorobiphenyl	164		1940000	C137
2,3,3',5,5',6'-Hexachlorobiphenyl	165		1850000	U
2,3,4,4',5,6'-Hexachlorobiphenyl	166		1980000	C128
2,3',4,4',5,5'-Hexachlorobiphenyl	167	43200000	1310000	
2,3',4,4',5',6'-Hexachlorobiphenyl	168		1780000	C153
3,3',4,4',5,5'-Hexachlorobiphenyl	169		1690000	U
2,2',3,3',4,4',5'-Heptachlorobiphenyl	170	602000000	1790000	
2,2',3,3',4,4',6'-Heptachlorobiphenyl	171	221000000	2190000	C
2,2',3,3',4,5,5'-Heptachlorobiphenyl	172	141000000	2220000	
2,2',3,3',4,5,6'-Heptachlorobiphenyl	173		2190000	C171
2,2',3,3',4,5,6'-Heptachlorobiphenyl	174	660000000	2050000	
2,2',3,3',4,5',6'-Heptachlorobiphenyl	175	29000000	1970000	Q
2,2',3,3',4,6,6'-Heptachlorobiphenyl	176	82500000	1560000	
2,2',3,3',4,5',6'-Heptachlorobiphenyl	177	406000000	2190000	
2,2',3,3',5,5',6'-Heptachlorobiphenyl	178	129000000	2110000	
2,2',3,3',5,6,6'-Heptachlorobiphenyl	179	239000000	1540000	
2,2',3,4,4',5,5'-Heptachlorobiphenyl	180	1420000000	1400000	C
2,2',3,4,4',5,6'-Heptachlorobiphenyl	181		2050000	U
2,2',3,4,4',5,6'-Heptachlorobiphenyl	182	3530000	1990000	QJ
2,2',3,4,4',5',6'-Heptachlorobiphenyl	183	491000000	1970000	C
2,2',3,4,4',6,6'-Heptachlorobiphenyl	184		1450000	U
2,2',3,4,5,5',6'-Heptachlorobiphenyl	185		1970000	C183
2,2',3,4,5,6,6'-Heptachlorobiphenyl	186		1580000	U
2,2',3,4',5,5',6'-Heptachlorobiphenyl	187	870000000	1860000	
2,2',3,4',5,6,6'-Heptachlorobiphenyl	188		1510000	U
2,3,3',4,4',5,5'-Heptachlorobiphenyl	189	32400000	1350000	
2,3,3',4,4',5,6'-Heptachlorobiphenyl	190	132000000	1580000	
2,3,3',4,4',5',6'-Heptachlorobiphenyl	191	33500000	1550000	
2,3,3',4,5,5',6'-Heptachlorobiphenyl	192		1670000	U
2,3,3',4,5,5',6'-Heptachlorobiphenyl	193		1670000	C180
2,2',3,3',4,4',5,5'-Octachlorobiphenyl	194	484000000	1510000	
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	195	154000000	1650000	

Drainage Ditch North of Eastern Drainage Ditch
Sediment Sample PCB Congener Results
NED-3-B(0-3)
April 19, 2005
Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	196	296000000	2260000	
2,2',3,3',4,4',6,6'-Octachlorobiphenyl	197	61200000	1650000	C
2,2',3,3',4,5,5',6'-Octachlorobiphenyl	198	553000000	2240000	C
2,2',3,3',4,5,5',6'-Octachlorobiphenyl	199		2240000	C198
2,2',3,3',4,5,6,6'-Octachlorobiphenyl	200		1650000	C197
2,2',3,3',4,5',6,6'-Octachlorobiphenyl	201	72000000	1640000	Q
2,2',3,3',5,5',6,6'-Octachlorobiphenyl	202	85000000	1740000	
2,2',3,4,4',5,5',6'-Octachlorobiphenyl	203	242000000	2070000	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl	204		1690000	U
2,3,3',4,4',5,5',6'-Octachlorobiphenyl	205	17200000	1050000	Q
2,2',3,3',4,4',5,5',6'-Nonachlorobiphenyl	206	62700000	2290000	
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	207	9410000	2070000	QJ
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	208	14300000	2000000	
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	209		1890000	UR

TOTAL = 22911490000

Notes:

Sample collected

Data has been validated by SECOR personnel.

B = The analyte was detected in the method, field and/or trip blank.

C = Co-eluting congener. Reported value is the total sum of the co-eluting congener(s).

Cx = Corresponding number (x) represents the co-eluting congener. See (x) for the summed results.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

U = The analyte was analyzed for, but not detected above the reported sample quantitation limit.

UJ = The analyte was not detected above the reported sample quantitation. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Q = Estimated maximum possible concentration.

R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

pg/kg = Picograms per kilogram.

Analytical data validated by SECOR personnel

Drainage Ditch North of Eastern Drainage Ditch
Sediment Sample PCB Congener Results

NED-5-A

April 19, 2005

Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2-Chlorobiphenyl	1	493000	60000	J
3-Chlorobiphenyl	2	343000	54900	QJ
4-Chlorobiphenyl	3		47700	BJ
2,2'-Dichlorobiphenyl	4	32000000	559000	
2,3-Dichlorobiphenyl	5	511000	349000	J
2,3'-Dichlorobiphenyl	6	1340000	320000	QJ
2,4-Dichlorobiphenyl	7	400000	334000	QJ
2,4'-Dichlorobiphenyl	8		321000	BJ
2,5-Dichlorobiphenyl	9	1570000	336000	J
2,6-Dichlorobiphenyl	10	1800000	347000	QJ
3,3'-Dichlorobiphenyl	11		335000	U
3,4-Dichlorobiphenyl	12		324000	QBC
3,4'-Dichlorobiphenyl	13		324000	C12
3,5-Dichlorobiphenyl	14		320000	U
4,4'-Dichlorobiphenyl	15		258000	B
2,2',3-Trichlorobiphenyl	16	1150000	303000	QJ
2,2',4-Trichlorobiphenyl	17		244000	B
2,2',5-Trichlorobiphenyl	18		202000	QBC
2,2',6-Trichlorobiphenyl	19	106000000	263000	
2,3,3'-Trichlorobiphenyl	20		89400	BC
2,3,4-Trichlorobiphenyl	21		92500	BC
2,3,4'-Trichlorobiphenyl	22		97000	BJ
2,3,5-Trichlorobiphenyl	23		99300	U
2,3,6-Trichlorobiphenyl	24		177000	U
2,3',4-Trichlorobiphenyl	25	42600000	84100	
2,3',5-Trichlorobiphenyl	26		92700	BC
2,3',6-Trichlorobiphenyl	27	34500000	172000	
2,4,4'-Trichlorobiphenyl	28		89400	C20
2,4,5-Trichlorobiphenyl	29		92700	C26
2,4,6-Trichlorobiphenyl	30		202000	C18
2,4',5-Trichlorobiphenyl	31	21000000	91200	
2,4',6-Trichlorobiphenyl	32	239000000	158000	
2,3',4'-Trichlorobiphenyl	33		92500	C21
2,3',5'-Trichlorobiphenyl	34	363000	96500	J
3,3',4-Trichlorobiphenyl	35	431000	95700	QJ
3,3',5-Trichlorobiphenyl	36		89300	U
3,4,4'-Trichlorobiphenyl	37	10600000	79800	
3,4,5-Trichlorobiphenyl	38	318000	91600	QJ
3,4',5-Trichlorobiphenyl	39	345000	84800	J

Drainage Ditch North of Eastern Drainage Ditch
Sediment Sample PCB Congener Results

NED-5-A

April 19, 2005

Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,2',3,3'-Tetrachlorobiphenyl	40	254000000	248000	C
2,2',3,4-Tetrachlorobiphenyl	41		248000	C40
2,2',3,4'-Tetrachlorobiphenyl	42		275000	QB
2,2',3,5-Tetrachlorobiphenyl	43	73100000	227000	C
2,2',3,5'-Tetrachlorobiphenyl	44	2560000000	223000	C
2,2',3,6-Tetrachlorobiphenyl	45	2000000000	259000	C
2,2',3,6'-Tetrachlorobiphenyl	46	292000000	302000	
2,2',4,4'-Tetrachlorobiphenyl	47		223000	C44
2,2',4,5-Tetrachlorobiphenyl	48	2670000	248000	QJ
2,2',4,5'-Tetrachlorobiphenyl	49	1060000000	212000	C
2,2',4,6-Tetrachlorobiphenyl	50	890000000	249000	C
2,2',4,6'-Tetrachlorobiphenyl	51		259000	C45
2,2',5,5'-Tetrachlorobiphenyl	52	406000000	238000	
2,2',5,6'-Tetrachlorobiphenyl	53		249000	C50
2,2',6,6'-Tetrachlorobiphenyl	54	316000000	375000	
2,3,3',4-Tetrachlorobiphenyl	55		187000	U
2,3,3',4'-Tetrachlorobiphenyl	56	22500000	184000	
2,3,3',5-Tetrachlorobiphenyl	57	304000	184000	QJ
2,3,3',5'-Tetrachlorobiphenyl	58		179000	U
2,3,3',6-Tetrachlorobiphenyl	59	61100000	181000	C
2,3,4,4'-Tetrachlorobiphenyl	60	9670000	181000	
2,3,4,5-Tetrachlorobiphenyl	61		173000	BC
2,3,4,6-Tetrachlorobiphenyl	62		181000	C59
2,3,4',5-Tetrachlorobiphenyl	63	6250000	172000	
2,3,4',6-Tetrachlorobiphenyl	64	11400000	180000	
2,3,5,6-Tetrachlorobiphenyl	65		223000	C44
2,3',4,4'-Tetrachlorobiphenyl	66		171000	B
2,3',4,5-Tetrachlorobiphenyl	67	12500000	160000	
2,3',4,5'-Tetrachlorobiphenyl	68	26200000	166000	
2,3',4,6-Tetrachlorobiphenyl	69		212000	C49
2,3',4',5-Tetrachlorobiphenyl	70		173000	C61
2,3',4',6-Tetrachlorobiphenyl	71		248000	C40
2,3',5,5'-Tetrachlorobiphenyl	72	6650000	177000	
2,3',5',6-Tetrachlorobiphenyl	73		227000	C43
2,4,4',5-Tetrachlorobiphenyl	74		173000	C61
2,4,4',6-Tetrachlorobiphenyl	75		181000	C59
2,3',4',5'-Tetrachlorobiphenyl	76		173000	C61
3,3',4,4'-Tetrachlorobiphenyl	77	12000000	160000	
3,3',4,5-Tetrachlorobiphenyl	78		177000	U

Drainage Ditch North of Eastern Drainage Ditch
Sediment Sample PCB Congener Results

NED-5-A

April 19, 2005

Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
3,3',4,5'-Tetrachlorobiphenyl	79	4380000	149000	
3,3',5,5'-Tetrachlorobiphenyl	80		159000	U
3,4,4',5'-Tetrachlorobiphenyl	81		150000	U
2,2',3,3',4'-Pentachlorobiphenyl	82	31500000	441000	
2,2',3,3',5'-Pentachlorobiphenyl	83	12900000	457000	
2,2',3,3',6'-Pentachlorobiphenyl	84	55900000	446000	
2,2',3,4,4'-Pentachlorobiphenyl	85	60900000	316000	C
2,2',3,4,5'-Pentachlorobiphenyl	86	341000000	317000	C
2,2',3,4,5'-Pentachlorobiphenyl	87		317000	C86
2,2',3,4,6'-Pentachlorobiphenyl	88	128000000	393000	C
2,2',3,4,6'-Pentachlorobiphenyl	89	1740000	426000	QJ
2,2',3,4',5'-Pentachlorobiphenyl	90	1280000000	330000	C
2,2',3,4',6'-Pentachlorobiphenyl	91		393000	C88
2,2',3,5,5'-Pentachlorobiphenyl	92	175000000	400000	
2,2',3,5,6'-Pentachlorobiphenyl	93	386000000	386000	C
2,2',3,5,6'-Pentachlorobiphenyl	94	41400000	421000	
2,2',3,5',6'-Pentachlorobiphenyl	95	678000000	386000	
2,2',3,6,6'-Pentachlorobiphenyl	96	24500000	293000	
2,2',3,4',5'-Pentachlorobiphenyl	97		317000	C86
2,2',3,4',6'-Pentachlorobiphenyl	98	124000000	392000	C
2,2',4,4',5'-Pentachlorobiphenyl	99	394000000	314000	C
2,2',4,4',6'-Pentachlorobiphenyl	100		386000	C93
2,2',4,5,5'-Pentachlorobiphenyl	101		330000	C90
2,2',4,5,6'-Pentachlorobiphenyl	102		392000	C98
2,2',4,5',6'-Pentachlorobiphenyl	103	119000000	361000	
2,2',4,6,6'-Pentachlorobiphenyl	104	50700000	285000	
2,3,3',4,4'-Pentachlorobiphenyl	105	202000000	179000	
2,3,3',4,5'-Pentachlorobiphenyl	106		193000	U
2,3,3',4',5'-Pentachlorobiphenyl	107	38400000	171000	
2,3,3',4,5'-Pentachlorobiphenyl	108	17900000	190000	C
2,3,3',4,6'-Pentachlorobiphenyl	109		317000	C86
2,3,3',4',6'-Pentachlorobiphenyl	110	855000000	280000	C
2,3,3',5,5'-Pentachlorobiphenyl	111	2360000	269000	J
2,3,3',5,6'-Pentachlorobiphenyl	112		314000	C99
2,3,3',5',6'-Pentachlorobiphenyl	113		330000	C90
2,3,4,4',5'-Pentachlorobiphenyl	114	8710000	149000	
2,3,4,4',6'-Pentachlorobiphenyl	115		280000	C110
2,3,4,5,6'-Pentachlorobiphenyl	116		316000	C85
2,3,4',5,6'-Pentachlorobiphenyl	117		316000	C85

Drainage Ditch North of Eastern Drainage Ditch
Sediment Sample PCB Congener Results

NED-5-A

April 19, 2005

Amtrak Former Fueling Facility

4001 Vandever Avenue

Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,3',4,4',5-Pentachlorobiphenyl	118		159000	B
2,3',4,4',6-Pentachlorobiphenyl	119		317000	C86
2,3',4,5,5'-Pentachlorobiphenyl	120	7700000	259000	
2,3',4,5,6-Pentachlorobiphenyl	121	6510000	282000	
2,3,3',4',5'-Pentachlorobiphenyl	122	6520000	200000	
2,3',4,4',5'-Pentachlorobiphenyl	123	6580000	159000	
2,3',4',5,5'-Pentachlorobiphenyl	124		190000	C108
2,3',4',5,6-Pentachlorobiphenyl	125		317000	C86
3,3',4,4',5-Pentachlorobiphenyl	126	6650000	202000	
3,3',4,5,5'-Pentachlorobiphenyl	127	1280000	177000	QJ
2,2',3,3',4,4'-Hexachlorobiphenyl	128	358000000	369000	C
2,2',3,3',4,5-Hexachlorobiphenyl	129	430000000	379000	CE
2,2',3,3',4,5'-Hexachlorobiphenyl	130	136000000	481000	
2,2',3,3',4,6-Hexachlorobiphenyl	131	223000000	484000	
2,2',3,3',4,6'-Hexachlorobiphenyl	132	995000000	471000	
2,2',3,3',5,5'-Hexachlorobiphenyl	133	455000000	444000	
2,2',3,3',5,6-Hexachlorobiphenyl	134	133000000	484000	C
2,2',3,3',5,6'-Hexachlorobiphenyl	135	1340000000	681000	C
2,2',3,3',6,6'-Hexachlorobiphenyl	136	409000000	505000	
2,2',3,4,4',5-Hexachlorobiphenyl	137	371000000	361000	C
2,2',3,4,4',5'-Hexachlorobiphenyl	138		379000	C129
2,2',3,4,4',6-Hexachlorobiphenyl	139	221000000	406000	C
2,2',3,4,4',6'-Hexachlorobiphenyl	140		406000	C139
2,2',3,4,5,5'-Hexachlorobiphenyl	141	990000000	430000	
2,2',3,4,5,6-Hexachlorobiphenyl	142		476000	U
2,2',3,4,5,6'-Hexachlorobiphenyl	143		484000	C134
2,2',3,4,5',6-Hexachlorobiphenyl	144	190000000	665000	
2,2',3,4,6,6'-Hexachlorobiphenyl	145		515000	U
2,2',3,4',5,5'-Hexachlorobiphenyl	146	557000000	389000	
2,2',3,4',5,6-Hexachlorobiphenyl	147		391000	BCE
2,2',3,4',5,6'-Hexachlorobiphenyl	148	9110000	678000	
2,2',3,4',5',6-Hexachlorobiphenyl	149		391000	C147
2,2',3,4',6,6'-Hexachlorobiphenyl	150	8350000	494000	
2,2',3,5,5',6-Hexachlorobiphenyl	151		681000	C135
2,2',3,5,6,6'-Hexachlorobiphenyl	152	5240000	488000	
2,2',4,4',5,5'-Hexachlorobiphenyl	153		332000	BCE
2,2',4,4',5,6'-Hexachlorobiphenyl	154	587000000	583000	
2,2',4,4',6,6'-Hexachlorobiphenyl	155	3230000	472000	J
2,3,3',4,4',5-Hexachlorobiphenyl	156	266000000	323000	C

Drainage Ditch North of Eastern Drainage Ditch
Sediment Sample PCB Congener Results
NED-5-A
April 19, 2005
Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,3,3',4,4',5'-Hexachlorobiphenyl	157		323000	C156
2,3,3',4,4',6'-Hexachlorobiphenyl	158	375000000	289000	
2,3,3',4,5,5'-Hexachlorobiphenyl	159	738000000	304000	
2,3,3',4,5,6'-Hexachlorobiphenyl	160		338000	U
2,3,3',4,5',6'-Hexachlorobiphenyl	161		315000	U
2,3,3',4',5,5'-Hexachlorobiphenyl	162	54400000	303000	
2,3,3',4',5,6'-Hexachlorobiphenyl	163		379000	C129
2,3,3',4',5',6'-Hexachlorobiphenyl	164		361000	C137
2,3,3',5,5',6'-Hexachlorobiphenyl	165	22300000	345000	J
2,3,4,4',5,6'-Hexachlorobiphenyl	166		369000	C128
2,3',4,4',5,5'-Hexachlorobiphenyl	167	126000000	257000	
2,3',4,4',5',6'-Hexachlorobiphenyl	168		332000	C153
3,3',4,4',5,5'-Hexachlorobiphenyl	169	83700000	251000	
2,2',3,3',4,4',5'-Heptachlorobiphenyl	170	1620000000	342000	
2,2',3,3',4,4',6'-Heptachlorobiphenyl	171	575000000	405000	C
2,2',3,3',4,5,5'-Heptachlorobiphenyl	172	290000000	410000	
2,2',3,3',4,5,6'-Heptachlorobiphenyl	173		405000	C171
2,2',3,3',4,5,6'-Heptachlorobiphenyl	174	1700000000	380000	
2,2',3,3',4,5',6'-Heptachlorobiphenyl	175	614000000	364000	
2,2',3,3',4,6,6'-Heptachlorobiphenyl	176	195000000	289000	
2,2',3,3',4,5',6'-Heptachlorobiphenyl	177	1010000000	406000	
2,2',3,3',5,5',6'-Heptachlorobiphenyl	178	289000000	391000	
2,2',3,3',5,6,6'-Heptachlorobiphenyl	179	577000000	285000	
2,2',3,4,4',5,5'-Heptachlorobiphenyl	180	3800000000	267000	CE
2,2',3,4,4',5,6'-Heptachlorobiphenyl	181	75400000	380000	
2,2',3,4,4',5,6'-Heptachlorobiphenyl	182	59900000	368000	Q
2,2',3,4,4',5',6'-Heptachlorobiphenyl	183	1240000000	364000	C
2,2',3,4,4',6,6'-Heptachlorobiphenyl	184	14000000	268000	QJ
2,2',3,4,5,5',6'-Heptachlorobiphenyl	185		364000	C183
2,2',3,4,5,6,6'-Heptachlorobiphenyl	186		292000	U
2,2',3,4',5,5',6'-Heptachlorobiphenyl	187	1890000000	344000	
2,2',3,4',5,6,6'-Heptachlorobiphenyl	188	16800000	279000	QJ
2,3,3',4,4',5,5'-Heptachlorobiphenyl	189	708000000	239000	
2,3,3',4,4',5,6'-Heptachlorobiphenyl	190	4040000000	293000	
2,3,3',4,4',5',6'-Heptachlorobiphenyl	191	769000000	286000	
2,3,3',4,5,5',6'-Heptachlorobiphenyl	192	56700000	309000	QJ
2,3,3',4',5,5',6'-Heptachlorobiphenyl	193		310000	C180
2,2',3,3',4,4',5,5'-Octachlorobiphenyl	194	1010000000	382000	
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	195	463000000	419000	

Drainage Ditch North of Eastern Drainage Ditch
Sediment Sample PCB Congener Results
NED-5-A
April 19, 2005
Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	196	620000000	573000	
2,2',3,3',4,4',6,6'-Octachlorobiphenyl	197	168000000	418000	C
2,2',3,3',4,5,5',6'-Octachlorobiphenyl	198	1040000000	569000	C
2,2',3,3',4,5,5',6'-Octachlorobiphenyl	199		569000	C198
2,2',3,3',4,5,6,6'-Octachlorobiphenyl	200		418000	C197
2,2',3,3',4,5,6,6'-Octachlorobiphenyl	201	120000000	417000	
2,2',3,3',5,5',6,6'-Octachlorobiphenyl	202	144000000	441000	
2,2',3,4,4',5,5',6'-Octachlorobiphenyl	203	686000000	525000	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl	204		430000	U
2,3,3',4,4',5,5',6'-Octachlorobiphenyl	205	45100000	266000	
2,2',3,3',4,4',5,5',6'-Nonachlorobiphenyl	206	93700000	206000	
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	207	18700000	186000	
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	208	20700000	179000	
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	209	6890000	160000	

TOTAL = 42385575000

Notes:

Sample collected

Data has been validated by SECOR personnel.

B = The analyte was detected in the method, field and/or trip blank.

C = Co-eluting congener. Reported value is the total sum of the co-eluting congener(s).

Cx = Corresponding number (x) represents the co-eluting congener. See (x) for the summed results.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

U = The analyte was analyzed for, but not detected above the reported sample quantitation limit.

UJ = The analyte was not detected above the reported sample quantitation. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Q = Estimated maximum possible concentration.

R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

E = The reported result is an estimate. The amount reported is above the Upper Calibration Level

pg/kg = Picograms per kilogram.

Analytical data validated by SECOR personnel

Drainage Ditch North of Eastern Drainage Ditch
Sediment Sample PCB Congener Results
NED-7-C

April 21, 2005

Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2-Chlorobiphenyl	1		2820	U
3-Chlorobiphenyl	2		2580	U
4-Chlorobiphenyl	3		2240	QBJ
2,2'-Dichlorobiphenyl	4	1450000	43500	
2,3-Dichlorobiphenyl	5		27200	U
2,3'-Dichlorobiphenyl	6		24900	U
2,4-Dichlorobiphenyl	7		26000	U
2,4'-Dichlorobiphenyl	8		25000	U
2,5-Dichlorobiphenyl	9		26200	U
2,6-Dichlorobiphenyl	10	122000	27000	QJ
3,3'-Dichlorobiphenyl	11		26100	U
3,4-Dichlorobiphenyl	12		25200	QBCJ
3,4'-Dichlorobiphenyl	13		25200	C12
3,5-Dichlorobiphenyl	14		24900	U
4,4'-Dichlorobiphenyl	15		20100	BJ
2,2',3-Trichlorobiphenyl	16		19000	U
2,2',4-Trichlorobiphenyl	17		15400	B
2,2',5-Trichlorobiphenyl	18		12700	QBCJ
2,2',6-Trichlorobiphenyl	19	4480000	16600	
2,3,3'-Trichlorobiphenyl	20		5620	BC
2,3,4-Trichlorobiphenyl	21		5820	BC
2,3,4'-Trichlorobiphenyl	22		6100	QBJ
2,3,5-Trichlorobiphenyl	23		6240	U
2,3,6-Trichlorobiphenyl	24		11100	U
2,3',4-Trichlorobiphenyl	25	513000	5290	
2,3',5-Trichlorobiphenyl	26		5830	QBCJ
2,3',6-Trichlorobiphenyl	27	341000	10800	
2,4,4'-Trichlorobiphenyl	28		5620	C20
2,4,5-Trichlorobiphenyl	29		5830	C26
2,4,6-Trichlorobiphenyl	30		12700	C18
2,4',5-Trichlorobiphenyl	31	235000	5730	
2,4',6-Trichlorobiphenyl	32	4330000	9940	
2,3',4'-Trichlorobiphenyl	33		5820	C21
2,3',5'-Trichlorobiphenyl	34		6060	U
3,3',4-Trichlorobiphenyl	35		6020	U
3,3',5-Trichlorobiphenyl	36		5620	U
3,4,4'-Trichlorobiphenyl	37	88200	5010	J
3,4,5-Trichlorobiphenyl	38		5760	U
3,4',5-Trichlorobiphenyl	39		5330	U

Drainage Ditch North of Eastern Drainage Ditch
Sediment Sample PCB Congener Results
NED-7-C

April 21, 2005

Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,2',3,3'-Tetrachlorobiphenyl	40	2860000	11800	C
2,2',3,4-Tetrachlorobiphenyl	41		11800	C40
2,2',3,4'-Tetrachlorobiphenyl	42		13000	BJ
2,2',3,5-Tetrachlorobiphenyl	43	1340000	10800	C
2,2',3,5'-Tetrachlorobiphenyl	44	51200000	10600	C
2,2',3,6-Tetrachlorobiphenyl	45	36100000	12300	C
2,2',3,6'-Tetrachlorobiphenyl	46	315000	14300	
2,2',4,4'-Tetrachlorobiphenyl	47		10600	C44
2,2',4,5-Tetrachlorobiphenyl	48		11800	U
2,2',4,5'-Tetrachlorobiphenyl	49	13200000	10100	C
2,2',4,6-Tetrachlorobiphenyl	50	11400000	11800	C
2,2',4,6'-Tetrachlorobiphenyl	51		12300	C45
2,2',5,5'-Tetrachlorobiphenyl	52	1810000	11300	
2,2',5,6'-Tetrachlorobiphenyl	53		11800	C50
2,2',6,6'-Tetrachlorobiphenyl	54	5300000	17800	
2,3,3',4-Tetrachlorobiphenyl	55		8870	U
2,3,3',4'-Tetrachlorobiphenyl	56	37500	8740	QJ
2,3,3',5-Tetrachlorobiphenyl	57		8730	U
2,3,3',5'-Tetrachlorobiphenyl	58		8520	U
2,3,3',6-Tetrachlorobiphenyl	59	1550000	8570	C
2,3,4,4'-Tetrachlorobiphenyl	60	14600	8590	QJ
2,3,4,5-Tetrachlorobiphenyl	61		8230	BCJ
2,3,4,6-Tetrachlorobiphenyl	62		8570	C59
2,3,4',5-Tetrachlorobiphenyl	63	119000	8160	J
2,3,4',6-Tetrachlorobiphenyl	64	61500	8530	QJ
2,3,5,6-Tetrachlorobiphenyl	65		10600	C44
2,3',4,4'-Tetrachlorobiphenyl	66		8100	BJ
2,3',4,5-Tetrachlorobiphenyl	67	272000	7590	
2,3',4,5'-Tetrachlorobiphenyl	68	644000	7890	
2,3',4,6-Tetrachlorobiphenyl	69		10100	C49
2,3',4',5-Tetrachlorobiphenyl	70		8230	C61JB
2,3',4',6-Tetrachlorobiphenyl	71		11800	C40
2,3',5,5'-Tetrachlorobiphenyl	72	68300	8400	J
2,3',5',6-Tetrachlorobiphenyl	73		10800	C43
2,4,4',5-Tetrachlorobiphenyl	74		8230	C61JB
2,4,4',6-Tetrachlorobiphenyl	75		8570	C59
2,3',4',5'-Tetrachlorobiphenyl	76		8230	C61JB
3,3',4,4'-Tetrachlorobiphenyl	77	32400	7580	QJ
3,3',4,5-Tetrachlorobiphenyl	78		8390	U

Drainage Ditch North of Eastern Drainage Ditch
Sediment Sample PCB Congener Results
NED-7-C

April 21, 2005

Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
3,3',4,5'-Tetrachlorobiphenyl	79	24500	7090	J
3,3',5,5'-Tetrachlorobiphenyl	80		7540	U
3,4,4',5'-Tetrachlorobiphenyl	81		7120	U
2,2',3,3',4'-Pentachlorobiphenyl	82	40500	15400	J
2,2',3,3',5'-Pentachlorobiphenyl	83		15900	U
2,2',3,3',6'-Pentachlorobiphenyl	84	128000	15600	J
2,2',3,4,4'-Pentachlorobiphenyl	85	277000	11000	C
2,2',3,4,5'-Pentachlorobiphenyl	86	1990000	11100	C
2,2',3,4,5'-Pentachlorobiphenyl	87		11100	C86
2,2',3,4,6'-Pentachlorobiphenyl	88	845000	13700	C
2,2',3,4,6'-Pentachlorobiphenyl	89		14900	U
2,2',3,4',5'-Pentachlorobiphenyl	90	4050000	11500	C
2,2',3,4',6'-Pentachlorobiphenyl	91		13700	C88
2,2',3,5,5'-Pentachlorobiphenyl	92	588000	14000	
2,2',3,5,6'-Pentachlorobiphenyl	93	9110000	13500	C
2,2',3,5,6'-Pentachlorobiphenyl	94	429000	14700	
2,2',3,5',6'-Pentachlorobiphenyl	95	1240000	13500	
2,2',3,6,6'-Pentachlorobiphenyl	96	154000	10200	J
2,2',3,4',5'-Pentachlorobiphenyl	97		11100	C86
2,2',3,4',6'-Pentachlorobiphenyl	98	762000	13700	C
2,2',4,4',5'-Pentachlorobiphenyl	99	1720000	11000	C
2,2',4,4',6'-Pentachlorobiphenyl	100		13500	C93
2,2',4,5,5'-Pentachlorobiphenyl	101		11500	C90
2,2',4,5,6'-Pentachlorobiphenyl	102		13700	C98
2,2',4,5',6'-Pentachlorobiphenyl	103	1890000	12600	
2,2',4,6,6'-Pentachlorobiphenyl	104	1150000	9940	
2,3,3',4,4'-Pentachlorobiphenyl	105	238000	6480	Q
2,3,3',4,5'-Pentachlorobiphenyl	106		6730	U
2,3,3',4',5'-Pentachlorobiphenyl	107	123000	5950	J
2,3,3',4,5'-Pentachlorobiphenyl	108	16600	6630	QCJ
2,3,3',4,6'-Pentachlorobiphenyl	109		11100	C86
2,3,3',4',6'-Pentachlorobiphenyl	110	1520000	9760	C
2,3,3',5,5'-Pentachlorobiphenyl	111	24900	9380	QJ
2,3,3',5,6'-Pentachlorobiphenyl	112		11000	C99
2,3,3',5',6'-Pentachlorobiphenyl	113		11500	C90
2,3,4,4',5'-Pentachlorobiphenyl	114		5400	U
2,3,4,4',6'-Pentachlorobiphenyl	115		9760	C110
2,3,4,5,6'-Pentachlorobiphenyl	116		11000	C85
2,3,4',5,6'-Pentachlorobiphenyl	117		11000	C85

Drainage Ditch North of Eastern Drainage Ditch
Sediment Sample PCB Congener Results
NED-7-C
April 21, 2005
Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,3',4,4',5-Pentachlorobiphenyl	118		5540	BJ
2,3',4,4',6-Pentachlorobiphenyl	119		11100	C86
2,3',4,5,5'-Pentachlorobiphenyl	120	30000	9030	QJ
2,3',4,5',6-Pentachlorobiphenyl	121	150000	9830	J
2,3,3',4',5'-Pentachlorobiphenyl	122		6980	U
2,3',4,4',5'-Pentachlorobiphenyl	123	19400	5230	QJ
2,3',4',5,5'-Pentachlorobiphenyl	124		6630	C108
2,3',4',5',6-Pentachlorobiphenyl	125		11100	C86
3,3',4,4',5-Pentachlorobiphenyl	126	17900	6950	QJ
3,3',4,5,5'-Pentachlorobiphenyl	127		6160	U
2,2',3,3',4,4'-Hexachlorobiphenyl	128	558000	13600	C
2,2',3,3',4,5-Hexachlorobiphenyl	129	8820000	14000	C
2,2',3,3',4,5'-Hexachlorobiphenyl	130	285000	17700	
2,2',3,3',4,6-Hexachlorobiphenyl	131	61700	17800	J
2,2',3,3',4,6'-Hexachlorobiphenyl	132	2080000	17400	
2,2',3,3',5,5'-Hexachlorobiphenyl	133	167000	16400	J
2,2',3,3',5,6-Hexachlorobiphenyl	134	291000	17800	C
2,2',3,3',5,6'-Hexachlorobiphenyl	135	3040000	25100	C
2,2',3,3',6,6'-Hexachlorobiphenyl	136	891000	18600	
2,2',3,4,4',5-Hexachlorobiphenyl	137	826000	13300	C
2,2',3,4,4',5'-Hexachlorobiphenyl	138		14000	C129
2,2',3,4,4',6-Hexachlorobiphenyl	139	114000	15000	CJ
2,2',3,4,4',6'-Hexachlorobiphenyl	140		15000	C139
2,2',3,4,5,5'-Hexachlorobiphenyl	141	2060000	15900	
2,2',3,4,5,6-Hexachlorobiphenyl	142		17500	U
2,2',3,4,5,6'-Hexachlorobiphenyl	143		17800	C134
2,2',3,4,5',6-Hexachlorobiphenyl	144	403000	24500	
2,2',3,4,6,6'-Hexachlorobiphenyl	145		19000	U
2,2',3,4',5,5'-Hexachlorobiphenyl	146	1270000	14400	
2,2',3,4',5,6-Hexachlorobiphenyl	147		14400	BC
2,2',3,4',5,6'-Hexachlorobiphenyl	148	61700	25000	QJ
2,2',3,4',5',6-Hexachlorobiphenyl	149		14400	C147
2,2',3,4',6,6'-Hexachlorobiphenyl	150	74400	18200	J
2,2',3,5,5',6-Hexachlorobiphenyl	151		25100	C135
2,2',3,5,6,6'-Hexachlorobiphenyl	152	57900	18000	J
2,2',4,4',5,5'-Hexachlorobiphenyl	153		12300	BC
2,2',4,4',5,6'-Hexachlorobiphenyl	154	345000	21500	Q
2,2',4,4',6,6'-Hexachlorobiphenyl	155	91900	17400	QJ
2,3,3',4,4',5-Hexachlorobiphenyl	156	546000	11200	C

Drainage Ditch North of Eastern Drainage Ditch
 Sediment Sample PCB Congener Results
 NED-7-C
 April 21, 2005
 Amtrak Former Fueling Facility
 4001 Vandever Avenue
 Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,3,3',4,4',5'-Hexachlorobiphenyl	157		11200	C156
2,3,3',4,4',6'-Hexachlorobiphenyl	158		10700	U
2,3,3',4,5,5'-Hexachlorobiphenyl	159	201000	11200	
2,3,3',4,5,6'-Hexachlorobiphenyl	160		12500	U
2,3,3',4,5',6'-Hexachlorobiphenyl	161		11600	U
2,3,3',4',5,5'-Hexachlorobiphenyl	162	25300	11200	J
2,3,3',4',5,6'-Hexachlorobiphenyl	163		14000	C129
2,3,3',4',5',6'-Hexachlorobiphenyl	164		13300	C137
2,3,3',5,5',6'-Hexachlorobiphenyl	165	23100	12700	QJ
2,3,4,4',5,6'-Hexachlorobiphenyl	166		13600	C128
2,3',4,4',5,5'-Hexachlorobiphenyl	167	323000	9590	
2,3',4,4',5',6'-Hexachlorobiphenyl	168		12300	C153
3,3',4,4',5,5'-Hexachlorobiphenyl	169	24900	10100	QJ
2,2',3,3',4,4',5'-Heptachlorobiphenyl	170	4680000	12900	
2,2',3,3',4,4',6'-Heptachlorobiphenyl	171	1520000	15600	C
2,2',3,3',4,5,5'-Heptachlorobiphenyl	172	955000	15800	
2,2',3,3',4,5,6'-Heptachlorobiphenyl	173		15600	C171
2,2',3,3',4,5,6'-Heptachlorobiphenyl	174	4300000	14600	
2,2',3,3',4,5',6'-Heptachlorobiphenyl	175	174000	14000	J
2,2',3,3',4,6,6'-Heptachlorobiphenyl	176	463000	11100	
2,2',3,3',4,5',6'-Heptachlorobiphenyl	177	2730000	15600	
2,2',3,3',5,5',6'-Heptachlorobiphenyl	178	720000	15000	Q
2,2',3,3',5,6,6'-Heptachlorobiphenyl	179	1470000	11000	
2,2',3,4,4',5,5'-Heptachlorobiphenyl	180	11100000	10100	C
2,2',3,4,4',5,6'-Heptachlorobiphenyl	181	52700	14600	J
2,2',3,4,4',5,6'-Heptachlorobiphenyl	182		14200	U
2,2',3,4,4',5',6'-Heptachlorobiphenyl	183	3280000	14000	C
2,2',3,4,4',6,6'-Heptachlorobiphenyl	184		10300	U
2,2',3,4,5,5',6'-Heptachlorobiphenyl	185		14000	C183
2,2',3,4,5,6,6'-Heptachlorobiphenyl	186		11200	U
2,2',3,4',5,5',6'-Heptachlorobiphenyl	187	5070000	13200	
2,2',3,4',5,6,6'-Heptachlorobiphenyl	188	23000	10700	QJ
2,3,3',4,4',5,5'-Heptachlorobiphenyl	189	273000	9380	
2,3,3',4,4',5,6'-Heptachlorobiphenyl	190	1200000	11300	
2,3,3',4,4',5',6'-Heptachlorobiphenyl	191	264000	11000	
2,3,3',4,5,5',6'-Heptachlorobiphenyl	192		11900	U
2,3,3',4',5,5',6'-Heptachlorobiphenyl	193		11900	C180
2,2',3,3',4,4',5,5'-Octachlorobiphenyl	194	3890000	15600	
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	195	1600000	17100	

Drainage Ditch North of Eastern Drainage Ditch
Sediment Sample PCB Congener Results
NED-7-C
April 21, 2005
Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	196	2200000	23500	
2,2',3,3',4,4',6,6'-Octachlorobiphenyl	197	562000	17100	C
2,2',3,3',4,5,5',6-Octachlorobiphenyl	198	3540000	23300	C
2,2',3,3',4,5,5',6'-Octachlorobiphenyl	199		23300	C198
2,2',3,3',4,5,6,6'-Octachlorobiphenyl	200		17100	C197
2,2',3,3',4,5',6,6'-Octachlorobiphenyl	201	381000	17100	
2,2',3,3',5,5',6,6'-Octachlorobiphenyl	202	406000	18000	Q
2,2',3,4,4',5,5',6-Octachlorobiphenyl	203	2340000	21500	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl	204		17600	U
2,3,3',4,4',5,5',6-Octachlorobiphenyl	205	190000	10900	
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	206	513000	15300	
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	207	121000	13800	QJ
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	208	122000	13300	QJ
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	209	132000	15900	J
TOTAL =		241333900		

Notes:

Sample collected

Data has been validated by SECOR personnel.

B = The analyte was detected in the method, field and/or trip blank.

C = Co-eluting congener. Reported value is the total sum of the co-eluting congener(s).

Cx = Corresponding number (x) represents the co-eluting congener. See (x) for the summed results.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

U = The analyte was analyzed for, but not detected above the reported sample quantitation limit.

UJ = The analyte was not detected above the reported sample quantitation. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Q = Estimated maximum possible concentration.

R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

pg/kg = Picograms per kilogram.

Analytical data validated by SECOR personnel

Drainage Ditch North of Eastern Drainage Ditch
 Sediment Sample PCB Congener Results
 NED-8B(0-3)
 June 22, 2005
 Amtrak Former Fueling Facility
 4001 Vandever Avenue
 Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2-Chlorobiphenyl	1	733000	33500	J
3-Chlorobiphenyl	2	844000	38300	
4-Chlorobiphenyl	3	870000	38600	
2,2'-Dichlorobiphenyl	4	51400000	270000	
2,3-Dichlorobiphenyl	5	154000	213000	QJ
2,3'-Dichlorobiphenyl	6	1110000	188000	QJ
2,4-Dichlorobiphenyl	7	119000	195000	QJ
2,4'-Dichlorobiphenyl	8	3630000	187000	
2,5-Dichlorobiphenyl	9	332000	190000	QJ
2,6-Dichlorobiphenyl	10	1830000	207000	QJ
3,3'-Dichlorobiphenyl	11		204000	JQB
3,4-Dichlorobiphenyl	12	1700000	200000	QCJ
3,4'-Dichlorobiphenyl	13		200000	C12
3,5-Dichlorobiphenyl	14	198000	168000	QJ
4,4'-Dichlorobiphenyl	15	16100000	198000	
2,2',3-Trichlorobiphenyl	16	859000	175000	QJ
2,2',4-Trichlorobiphenyl	17	90700000	151000	
2,2',5-Trichlorobiphenyl	18	13900000	127000	C
2,2',6-Trichlorobiphenyl	19	143000000	168000	
2,3,3'-Trichlorobiphenyl	20	100000000	72400	C
2,3,4-Trichlorobiphenyl	21	94500000	72100	C
2,3,4'-Trichlorobiphenyl	22	2720000	77200	
2,3,5-Trichlorobiphenyl	23		77500	U
2,3,6-Trichlorobiphenyl	24		111000	U
2,3',4-Trichlorobiphenyl	25	38600000	65600	
2,3',5-Trichlorobiphenyl	26	3020000	73500	C
2,3',6-Trichlorobiphenyl	27	14800000	104000	
2,4,4'-Trichlorobiphenyl	28		72400	C20
2,4,5-Trichlorobiphenyl	29		73500	C26
2,4,6-Trichlorobiphenyl	30		127000	C18
2,4',5-Trichlorobiphenyl	31	24600000	72500	
2,4',6-Trichlorobiphenyl	32	318000000	98400	
2,3',4'-Trichlorobiphenyl	33		72100	C21
2,3',5'-Trichlorobiphenyl	34	588000	76500	J
3,3',4-Trichlorobiphenyl	35	488000	80000	J
3,3',5-Trichlorobiphenyl	36		78400	U
3,4,4'-Trichlorobiphenyl	37	16600000	79500	
3,4,5-Trichlorobiphenyl	38	922000	75400	
3,4',5-Trichlorobiphenyl	39	366000	71400	QJ

Drainage Ditch North of Eastern Drainage Ditch
Sediment Sample PCB Congener Results
NED-8B(0-3)

June 22, 2005

Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,2',3,3'-Tetrachlorobiphenyl	40	487000000	187000	C
2,2',3,4'-Tetrachlorobiphenyl	41		187000	C40
2,2',3,4'-Tetrachlorobiphenyl	42	21300000	194000	
2,2',3,5'-Tetrachlorobiphenyl	43	106000000	174000	C
2,2',3,5'-Tetrachlorobiphenyl	44	450000000	162000	C
2,2',3,6'-Tetrachlorobiphenyl	45	317000000	191000	C
2,2',3,6'-Tetrachlorobiphenyl	46	39000000	236000	
2,2',4,4'-Tetrachlorobiphenyl	47		162000	C44
2,2',4,5'-Tetrachlorobiphenyl	48		192000	U
2,2',4,5'-Tetrachlorobiphenyl	49	129000000	151000	C
2,2',4,6'-Tetrachlorobiphenyl	50	110000000	177000	C
2,2',4,6'-Tetrachlorobiphenyl	51		191000	C45
2,2',5,5'-Tetrachlorobiphenyl	52	253000000	179000	
2,2',5,6'-Tetrachlorobiphenyl	53		177000	C50
2,2',6,6'-Tetrachlorobiphenyl	54	453000000	231000	
2,3,3',4'-Tetrachlorobiphenyl	55		143000	U
2,3,3',4'-Tetrachlorobiphenyl	56	3440000	135000	
2,3,3',5'-Tetrachlorobiphenyl	57		135000	U
2,3,3',5'-Tetrachlorobiphenyl	58		132000	U
2,3,3',6'-Tetrachlorobiphenyl	59	103000000	127000	C
2,3,4,4'-Tetrachlorobiphenyl	60	1180000	144000	
2,3,4,5'-Tetrachlorobiphenyl	61	30400000	127000	C
2,3,4,6'-Tetrachlorobiphenyl	62		127000	C59
2,3,4,5'-Tetrachlorobiphenyl	63	10400000	122000	
2,3,4,6'-Tetrachlorobiphenyl	64	5760000	121000	J
2,3,5,6'-Tetrachlorobiphenyl	65		162000	C44
2,3',4,4'-Tetrachlorobiphenyl	66	126000000	130000	
2,3',4,5'-Tetrachlorobiphenyl	67	17200000	117000	J
2,3',4,5'-Tetrachlorobiphenyl	68	49400000	126000	
2,3',4,6'-Tetrachlorobiphenyl	69		151000	C49
2,3',4,5'-Tetrachlorobiphenyl	70		127000	C61
2,3',4,6'-Tetrachlorobiphenyl	71		187000	C40
2,3',5,5'-Tetrachlorobiphenyl	72	7940000	135000	
2,3',5,6'-Tetrachlorobiphenyl	73		174000	C43
2,4,4',5'-Tetrachlorobiphenyl	74		127000	C61
2,4,4',6'-Tetrachlorobiphenyl	75		127000	C59
2,3',4,5'-Tetrachlorobiphenyl	76		127000	C61
3,3',4,4'-Tetrachlorobiphenyl	77	3210000	134000	
3,3',4,5'-Tetrachlorobiphenyl	78		147000	U

Drainage Ditch North of Eastern Drainage Ditch
 Sediment Sample PCB Congener Results
 NED-8B(0-3)
 June 22, 2005
 Amtrak Former Fueling Facility
 4001 Vandever Avenue
 Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
3,3',4,5'-Tetrachlorobiphenyl	79	3390000	112000	
3,3',5,5'-Tetrachlorobiphenyl	80		125000	U
3,4,4',5'-Tetrachlorobiphenyl	81		134000	U
2,2',3,3',4'-Pentachlorobiphenyl	82		292000	JB
2,2',3,3',5'-Pentachlorobiphenyl	83	501000000	249000	C
2,2',3,3',6'-Pentachlorobiphenyl	84	19600000	291000	
2,2',3,4,4'-Pentachlorobiphenyl	85	41000000	200000	C
2,2',3,4,5'-Pentachlorobiphenyl	86	253000000	200000	C
2,2',3,4,5'-Pentachlorobiphenyl	87		200000	C86
2,2',3,4,6'-Pentachlorobiphenyl	88	138000000	250000	C
2,2',3,4,6'-Pentachlorobiphenyl	89	808000	276000	J
2,2',3,4',5'-Pentachlorobiphenyl	90	541000000	202000	C
2,2',3,4',6'-Pentachlorobiphenyl	91		250000	C88
2,2',3,5,5'-Pentachlorobiphenyl	92	100000000	242000	
2,2',3,5,6'-Pentachlorobiphenyl	93	824000000	237000	C
2,2',3,5,6'-Pentachlorobiphenyl	94	79000000	274000	
2,2',3,5,6'-Pentachlorobiphenyl	95	144000000	243000	
2,2',3,6,6'-Pentachlorobiphenyl	96	28200000	189000	
2,2',3,4',5'-Pentachlorobiphenyl	97		200000	C86
2,2',3,4',6'-Pentachlorobiphenyl	98	145000000	234000	C
2,2',4,4',5'-Pentachlorobiphenyl	99		249000	C83
2,2',4,4',6'-Pentachlorobiphenyl	100		237000	C93
2,2',4,5,5'-Pentachlorobiphenyl	101		202000	C90
2,2',4,5,6'-Pentachlorobiphenyl	102		234000	C98
2,2',4,5,6'-Pentachlorobiphenyl	103	215000000	231000	
2,2',4,6,6'-Pentachlorobiphenyl	104	96100000	171000	
2,3,3',4,4'-Pentachlorobiphenyl	105	25700000	125000	
2,3,3',4,5'-Pentachlorobiphenyl	106		147000	U
2,3,3',4',5'-Pentachlorobiphenyl	107	19100000	140000	J
2,3,3',4,5'-Pentachlorobiphenyl	108	3020000	142000	C
2,3,3',4,6'-Pentachlorobiphenyl	109		200000	C86
2,3,3',4',6'-Pentachlorobiphenyl	110	186000000	173000	C
2,3,3',5,5'-Pentachlorobiphenyl	111	3290000	166000	J
2,3,3',5,6'-Pentachlorobiphenyl	112		178000	U
2,3,3',5',6'-Pentachlorobiphenyl	113		202000	C90
2,3,4,4',5'-Pentachlorobiphenyl	114	1950000	122000	
2,3,4,4',6'-Pentachlorobiphenyl	115		173000	C110
2,3,4,5,6'-Pentachlorobiphenyl	116		200000	C85
2,3,4',5,6'-Pentachlorobiphenyl	117		200000	C85

Drainage Ditch North of Eastern Drainage Ditch
 Sediment Sample PCB Congener Results
 NED-8B(0-3)
 June 22, 2005
 Amtrak Former Fueling Facility
 4001 Vandever Avenue
 Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,3',4,4',5-Pentachlorobiphenyl	118	110000000	132000	
2,3',4,4',6-Pentachlorobiphenyl	119		200000	C86
2,3',4,5,5'-Pentachlorobiphenyl	120	6340000	168000	
2,3',4,5',6-Pentachlorobiphenyl	121	11300000	174000	
2,3,3',4',5'-Pentachlorobiphenyl	122	860000	148000	
2,3',4,4',5'-Pentachlorobiphenyl	123	2550000	131000	
2,3',4',5,5'-Pentachlorobiphenyl	124		142000	C108
2,3',4',5',6-Pentachlorobiphenyl	125		200000	C86
3,3',4,4',5-Pentachlorobiphenyl	126	807000	136000	QJ
3,3',4,5,5'-Pentachlorobiphenyl	127	964000	133000	
2,2',3,3',4,4'-Hexachlorobiphenyl	128	97000000	244000	C
2,2',3,3',4,5-Hexachlorobiphenyl	129	1260000000	249000	C
2,2',3,3',4,5'-Hexachlorobiphenyl	130	45900000	331000	
2,2',3,3',4,6-Hexachlorobiphenyl	131	5790000	335000	
2,2',3,3',4,6'-Hexachlorobiphenyl	132	281000000	324000	
2,2',3,3',5,5'-Hexachlorobiphenyl	133	27400000	296000	
2,2',3,3',5,6-Hexachlorobiphenyl	134	44300000	331000	C
2,2',3,3',5,6'-Hexachlorobiphenyl	135	430000000	327000	C
2,2',3,3',6,6'-Hexachlorobiphenyl	136	130000000	237000	
2,2',3,4,4',5-Hexachlorobiphenyl	137	119000000	243000	C
2,2',3,4,4',5'-Hexachlorobiphenyl	138		249000	C129
2,2',3,4,4',6-Hexachlorobiphenyl	139	21200000	277000	C
2,2',3,4,4',6'-Hexachlorobiphenyl	140		277000	C139
2,2',3,4,5,5'-Hexachlorobiphenyl	141	271000000	311000	
2,2',3,4,5,6-Hexachlorobiphenyl	142		326000	U
2,2',3,4,5,6'-Hexachlorobiphenyl	143		331000	C134
2,2',3,4,5',6-Hexachlorobiphenyl	144	47800000	316000	
2,2',3,4,6,6'-Hexachlorobiphenyl	145	678000	234000	J
2,2',3,4',5,5'-Hexachlorobiphenyl	146	238000000	266000	
2,2',3,4',5,6-Hexachlorobiphenyl	147	1150000000	278000	C
2,2',3,4',5,6'-Hexachlorobiphenyl	148	15800000	324000	
2,2',3,4',5',6-Hexachlorobiphenyl	149		278000	C147
2,2',3,4',6,6'-Hexachlorobiphenyl	150	11900000	226000	
2,2',3,5,5',6-Hexachlorobiphenyl	151		327000	C135
2,2',3,5,6,6'-Hexachlorobiphenyl	152	9880000	224000	
2,2',4,4',5,5'-Hexachlorobiphenyl	153	1360000000	215000	C
2,2',4,4',5,6'-Hexachlorobiphenyl	154	70700000	266000	
2,2',4,4',6,6'-Hexachlorobiphenyl	155	7770000	212000	
2,3,3',4,4',5-Hexachlorobiphenyl	156	71700000	233000	C

Drainage Ditch North of Eastern Drainage Ditch
Sediment Sample PCB Congener Results
NED-8B(0-3)
June 22, 2005
Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,3,3',4,4',5'-Hexachlorobiphenyl	157		233000	C156
2,3,3',4,4',6'-Hexachlorobiphenyl	158	101000000	192000	
2,3,3',4,5,5'-Hexachlorobiphenyl	159	25200000	209000	J
2,3,3',4,5,6'-Hexachlorobiphenyl	160		249000	C129
2,3,3',4,5',6'-Hexachlorobiphenyl	161		204000	U
2,3,3',4',5,5'-Hexachlorobiphenyl	162	2340000	207000	
2,3,3',4',5,6'-Hexachlorobiphenyl	163		249000	C129
2,3,3',4',5',6'-Hexachlorobiphenyl	164		243000	C137
2,3,3',5,5',6'-Hexachlorobiphenyl	165	3670000	232000	
2,3,4,4',5,6'-Hexachlorobiphenyl	166		244000	C128
2,3',4,4',5,5'-Hexachlorobiphenyl	167	37300000	162000	
2,3',4,4',5',6'-Hexachlorobiphenyl	168		215000	C153
3,3',4,4',5,5'-Hexachlorobiphenyl	169	1600000	178000	QR
2,2',3,3',4,4',5'-Heptachlorobiphenyl	170	789000000	276000	
2,2',3,3',4,4',6'-Heptachlorobiphenyl	171	222000000	267000	C
2,2',3,3',4,5,5'-Heptachlorobiphenyl	172	114000000	267000	
2,2',3,3',4,5,6'-Heptachlorobiphenyl	173		267000	C171
2,2',3,3',4,5,6'-Heptachlorobiphenyl	174	617000000	243000	
2,2',3,3',4,5',6'-Heptachlorobiphenyl	175	23000000	237000	
2,2',3,3',4,6,6'-Heptachlorobiphenyl	176	71500000	175000	
2,2',3,3',4,5',6'-Heptachlorobiphenyl	177	385000000	256000	
2,2',3,3',5,5',6'-Heptachlorobiphenyl	178	119000000	255000	
2,2',3,3',5,6,6'-Heptachlorobiphenyl	179	226000000	185000	
2,2',3,4,4',5,5'-Heptachlorobiphenyl	180	1650000000	199000	C
2,2',3,4,4',5,6'-Heptachlorobiphenyl	181	6270000	230000	
2,2',3,4,4',5,6'-Heptachlorobiphenyl	182	4870000	224000	
2,2',3,4,4',5',6'-Heptachlorobiphenyl	183	483000000	236000	C
2,2',3,4,4',6,6'-Heptachlorobiphenyl	184	1100000	187000	Q
2,2',3,4,5,5',6'-Heptachlorobiphenyl	185		236000	C183
2,2',3,4,5,6,6'-Heptachlorobiphenyl	186	475000	184000	J
2,2',3,4',5,5',6'-Heptachlorobiphenyl	187	756000000	219000	
2,2',3,4',5,6,6'-Heptachlorobiphenyl	188	2820000	168000	
2,3,3',4,4',5,5'-Heptachlorobiphenyl	189	31200000	173000	
2,3,3',4,4',5,6'-Heptachlorobiphenyl	190	136000000	183000	
2,3,3',4,4',5',6'-Heptachlorobiphenyl	191	28000000	175000	
2,3,3',4,5,5',6'-Heptachlorobiphenyl	192		199000	U
2,3,3',4,5,5',6'-Heptachlorobiphenyl	193		199000	C180
2,2',3,3',4,4',5,5'-Octachlorobiphenyl	194	452000000	192000	
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	195	189000000	210000	

Drainage Ditch North of Eastern Drainage Ditch
Sediment Sample PCB Congener Results
NED-8B(0-3)
June 22, 2005
Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	196	193000000	191000	
2,2',3,3',4,4',6,6'-Octachlorobiphenyl	197	49500000	133000	C
2,2',3,3',4,5,5',6-Octachlorobiphenyl	198	316000000	192000	C
2,2',3,3',4,5,5',6'-Octachlorobiphenyl	199		192000	C198
2,2',3,3',4,5,6,6'-Octachlorobiphenyl	200		133000	C197
2,2',3,3',4,5',6,6'-Octachlorobiphenyl	201	36200000	127000	
2,2',3,3',5,5',6,6'-Octachlorobiphenyl	202	47500000	144000	
2,2',3,4,4',5,5',6-Octachlorobiphenyl	203	203000000	173000	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl	204		135000	U
2,3,3',4,4',5,5',6-Octachlorobiphenyl	205	21100000	156000	
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	206	99100000	230000	
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	207	12100000	146000	J
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	208	22000000	144000	
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	209	77800000	156000	

TOTAL = 29,493,355,000

Notes:

Sample collected

Data not validated.

B = Analyte is present in the associated method blank at a reportable level.

C = Co-eluting congener. Reported value is the total sum of the co-eluting congener(s).

Cx = Corresponding number (x) represents the co-eluting congener. See (x) for the summed results.

J = Estimated value.

U = Not detected.

Q = Estimated maximum possible concentration.

R= Samples rejected due to deficiencies in ability to analyze and meet quality control

pg/kg = Picograms per kilogram.

Analytical data validated by SECOR personnel

Drainage Ditch North of Eastern Drainage Ditch
Sediment Sample PCB Congener Results

NED-9A

June 22, 2005

Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2-Chlorobiphenyl	1	350000	48000	QJ
3-Chlorobiphenyl	2	423000	56700	J
4-Chlorobiphenyl	3	375000	59600	QJ
2,2'-Dichlorobiphenyl	4	12700000	346000	QJ
2,3-Dichlorobiphenyl	5		265000	U
2,3'-Dichlorobiphenyl	6	915000	233000	
2,4-Dichlorobiphenyl	7	240000	242000	QJ
2,4'-Dichlorobiphenyl	8		233000	QBJ
2,5-Dichlorobiphenyl	9	218000	237000	QJ
2,6-Dichlorobiphenyl	10	558000	258000	QJ
3,3'-Dichlorobiphenyl	11		254000	QBJ
3,4-Dichlorobiphenyl	12	767000	248000	QCJ
3,4'-Dichlorobiphenyl	13		248000	C12
3,5-Dichlorobiphenyl	14	114000	208000	QJ
4,4'-Dichlorobiphenyl	15	2370000	242000	QJ
2,2',3-Trichlorobiphenyl	16	459000	190000	QJ
2,2',4-Trichlorobiphenyl	17	15200000	164000	
2,2',5-Trichlorobiphenyl	18	3600000	138000	C
2,2',6-Trichlorobiphenyl	19	23500000	183000	
2,3,3'-Trichlorobiphenyl	20	19200000	76200	C
2,3,4-Trichlorobiphenyl	21	17400000	75900	C
2,3,4'-Trichlorobiphenyl	22	1310000	81200	
2,3,5-Trichlorobiphenyl	23		81600	U
2,3,6-Trichlorobiphenyl	24		121000	U
2,3',4-Trichlorobiphenyl	25	7460000	69100	
2,3',5-Trichlorobiphenyl	26	1840000	77400	C
2,3',6-Trichlorobiphenyl	27	3540000	114000	
2,4,4'-Trichlorobiphenyl	28		76200	C20
2,4,5-Trichlorobiphenyl	29		77400	C26
2,4,6-Trichlorobiphenyl	30		138000	C18
2,4',5-Trichlorobiphenyl	31	5950000	76300	
2,4',6-Trichlorobiphenyl	32	45300000	107000	
2,3',4'-Trichlorobiphenyl	33		75900	C21
2,3',5'-Trichlorobiphenyl	34	155000	80500	QJ
3,3',4-Trichlorobiphenyl	35	282000	84200	J
3,3',5-Trichlorobiphenyl	36		82500	U
3,4,4'-Trichlorobiphenyl	37	2200000	83700	
3,4,5-Trichlorobiphenyl	38		79400	U
3,4',5-Trichlorobiphenyl	39		75200	U

Drainage Ditch North of Eastern Drainage Ditch
Sediment Sample PCB Congener Results
NED-9A

June 22, 2005
Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,2',3,3'-Tetrachlorobiphenyl	40	94000000	166000	C
2,2',3,4'-Tetrachlorobiphenyl	41		166000	C40
2,2',3,4'-Tetrachlorobiphenyl	42	7300000	172000	
2,2',3,5'-Tetrachlorobiphenyl	43	18700000	154000	C
2,2',3,5'-Tetrachlorobiphenyl	44		144000	BC
2,2',3,6'-Tetrachlorobiphenyl	45	567000000	170000	C
2,2',3,6'-Tetrachlorobiphenyl	46	9820000	210000	
2,2',4,4'-Tetrachlorobiphenyl	47		144000	C44
2,2',4,5'-Tetrachlorobiphenyl	48	843000	171000	QJ
2,2',4,5'-Tetrachlorobiphenyl	49	229000000	134000	C
2,2',4,6'-Tetrachlorobiphenyl	50	208000000	157000	C
2,2',4,6'-Tetrachlorobiphenyl	51		170000	C45
2,2',5,5'-Tetrachlorobiphenyl	52	62000000	159000	
2,2',5,6'-Tetrachlorobiphenyl	53		157000	C50
2,2',6,6'-Tetrachlorobiphenyl	54	87400000	237000	
2,3,3',4'-Tetrachlorobiphenyl	55		127000	U
2,3,3',4'-Tetrachlorobiphenyl	56	4830000	120000	
2,3,3',5'-Tetrachlorobiphenyl	57		120000	U
2,3,3',5'-Tetrachlorobiphenyl	58		117000	U
2,3,3',6'-Tetrachlorobiphenyl	59	16800000	113000	C
2,3,4,4'-Tetrachlorobiphenyl	60	1740000	128000	
2,3,4,5'-Tetrachlorobiphenyl	61	23500000	113000	C
2,3,4,6'-Tetrachlorobiphenyl	62		113000	C59
2,3,4',5'-Tetrachlorobiphenyl	63	2120000	108000	
2,3,4',6'-Tetrachlorobiphenyl	64	2790000	108000	J
2,3,5,6'-Tetrachlorobiphenyl	65		144000	C44
2,3',4,4'-Tetrachlorobiphenyl	66	35500000	115000	
2,3',4,5'-Tetrachlorobiphenyl	67	2840000	104000	J
2,3',4,5'-Tetrachlorobiphenyl	68	9260000	112000	
2,3',4,6'-Tetrachlorobiphenyl	69		134000	C49
2,3',4',5'-Tetrachlorobiphenyl	70		113000	C61
2,3',4',6'-Tetrachlorobiphenyl	71		166000	C40
2,3',5,5'-Tetrachlorobiphenyl	72	1680000	120000	
2,3',5',6'-Tetrachlorobiphenyl	73		154000	C43
2,4,4',5'-Tetrachlorobiphenyl	74		113000	C61
2,4,4',6'-Tetrachlorobiphenyl	75		113000	C59
2,3',4',5'-Tetrachlorobiphenyl	76		113000	C61
3,3',4,4'-Tetrachlorobiphenyl	77	2120000	118000	
3,3',4,5'-Tetrachlorobiphenyl	78		130000	U

Drainage Ditch North of Eastern Drainage Ditch
Sediment Sample PCB Congener Results
NED-9A

June 22, 2005
Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
3,3',4,5'-Tetrachlorobiphenyl	79	845000	99700	Q
3,3',5,5'-Tetrachlorobiphenyl	80		111000	U
3,4,4',5'-Tetrachlorobiphenyl	81		120000	U
2,2',3,3',4'-Pentachlorobiphenyl	82	5820000	324000	J
2,2',3,3',5'-Pentachlorobiphenyl	83	126000000	276000	C
2,2',3,3',6'-Pentachlorobiphenyl	84	12000000	322000	
2,2',3,4,4'-Pentachlorobiphenyl	85	16300000	222000	C
2,2',3,4,5'-Pentachlorobiphenyl	86	73400000	222000	C
2,2',3,4,5'-Pentachlorobiphenyl	87		222000	C86
2,2',3,4,6'-Pentachlorobiphenyl	88	41600000	278000	C
2,2',3,4,6'-Pentachlorobiphenyl	89	521000	306000	J
2,2',3,4',5'-Pentachlorobiphenyl	90	168000000	224000	C
2,2',3,4',6'-Pentachlorobiphenyl	91		278000	C88
2,2',3,5,5'-Pentachlorobiphenyl	92	32800000	268000	
2,2',3,5,6'-Pentachlorobiphenyl	93	136000000	263000	C
2,2',3,5,6'-Pentachlorobiphenyl	94	21200000	304000	
2,2',3,5',6'-Pentachlorobiphenyl	95	75400000	269000	
2,2',3,6,6'-Pentachlorobiphenyl	96	9450000	210000	
2,2',3,4',5'-Pentachlorobiphenyl	97		222000	C86
2,2',3,4',6'-Pentachlorobiphenyl	98	38200000	259000	C
2,2',4,4',5'-Pentachlorobiphenyl	99		276000	C83
2,2',4,4',6'-Pentachlorobiphenyl	100		263000	C93
2,2',4,5,5'-Pentachlorobiphenyl	101		224000	C90
2,2',4,5,6'-Pentachlorobiphenyl	102		259000	C98
2,2',4,5',6'-Pentachlorobiphenyl	103	38200000	256000	
2,2',4,6,6'-Pentachlorobiphenyl	104	16900000	190000	
2,3,3',4,4'-Pentachlorobiphenyl	105	29000000	133000	
2,3,3',4,5'-Pentachlorobiphenyl	106		151000	U
2,3,3',4',5'-Pentachlorobiphenyl	107	7700000	143000	J
2,3,3',4,5'-Pentachlorobiphenyl	108	2770000	146000	C
2,3,3',4,6'-Pentachlorobiphenyl	109		222000	C86
2,3,3',4',6'-Pentachlorobiphenyl	110	102000000	192000	C
2,3,3',5,5'-Pentachlorobiphenyl	111	593000	184000	QJR
2,3,3',5,6'-Pentachlorobiphenyl	112		198000	U
2,3,3',5',6'-Pentachlorobiphenyl	113		224000	C90
2,3,4,4',5'-Pentachlorobiphenyl	114	1660000	126000	
2,3,4,4',6'-Pentachlorobiphenyl	115		192000	C110
2,3,4,5,6'-Pentachlorobiphenyl	116		222000	C85
2,3,4',5,6'-Pentachlorobiphenyl	117		222000	C85

Drainage Ditch North of Eastern Drainage Ditch
Sediment Sample PCB Congener Results
NED-9A
June 22, 2005
Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,3',4,4',5-Pentachlorobiphenyl	118	77200000	137000	
2,3',4,4',6-Pentachlorobiphenyl	119		222000	C86
2,3',4,5,5'-Pentachlorobiphenyl	120	1480000	186000	
2,3',4,5',6-Pentachlorobiphenyl	121	2130000	193000	
2,3,3',4',5'-Pentachlorobiphenyl	122	1090000	152000	
2,3',4,4',5'-Pentachlorobiphenyl	123	1090000	127000	QJ
2,3',4',5,5'-Pentachlorobiphenyl	124		146000	C108
2,3',4',5',6-Pentachlorobiphenyl	125		222000	C86
3,3',4,4',5-Pentachlorobiphenyl	126	672000	139000	J
3,3',4,5,5'-Pentachlorobiphenyl	127	306000	136000	QJ
2,2',3,3',4,4'-Hexachlorobiphenyl	128	38000000	250000	C
2,2',3,3',4,5-Hexachlorobiphenyl	129	451000000	255000	C
2,2',3,3',4,5'-Hexachlorobiphenyl	130	16700000	339000	J
2,2',3,3',4,6-Hexachlorobiphenyl	131	2480000	343000	
2,2',3,3',4,6'-Hexachlorobiphenyl	132	110000000	332000	
2,2',3,3',5,5'-Hexachlorobiphenyl	133	7160000	303000	
2,2',3,3',5,6-Hexachlorobiphenyl	134	16100000	339000	C
2,2',3,3',5,6'-Hexachlorobiphenyl	135	165000000	342000	C
2,2',3,3',6,6'-Hexachlorobiphenyl	136	50500000	248000	
2,2',3,4,4',5-Hexachlorobiphenyl	137	40800000	249000	QCJ
2,2',3,4,4',5'-Hexachlorobiphenyl	138		255000	C129
2,2',3,4,4',6-Hexachlorobiphenyl	139	5060000	284000	C
2,2',3,4,4',6'-Hexachlorobiphenyl	140		284000	C139
2,2',3,4,5,5'-Hexachlorobiphenyl	141	101000000	319000	
2,2',3,4,5,6-Hexachlorobiphenyl	142		334000	U
2,2',3,4,5,6'-Hexachlorobiphenyl	143		339000	C134
2,2',3,4,5',6-Hexachlorobiphenyl	144	20800000	331000	
2,2',3,4,6,6'-Hexachlorobiphenyl	145		245000	U
2,2',3,4',5,5'-Hexachlorobiphenyl	146	70300000	273000	
2,2',3,4',5,6-Hexachlorobiphenyl	147	396000000	285000	C
2,2',3,4',5,6'-Hexachlorobiphenyl	148	3050000	339000	
2,2',3,4',5',6-Hexachlorobiphenyl	149		285000	C147
2,2',3,4',6,6'-Hexachlorobiphenyl	150	2940000	237000	
2,2',3,5,5',6-Hexachlorobiphenyl	151		342000	C135
2,2',3,5,6,6'-Hexachlorobiphenyl	152	2460000	235000	
2,2',4,4',5,5'-Hexachlorobiphenyl	153	442000000	220000	C
2,2',4,4',5,6'-Hexachlorobiphenyl	154	14200000	279000	
2,2',4,4',6,6'-Hexachlorobiphenyl	155	1240000	222000	
2,3,3',4,4',5-Hexachlorobiphenyl	156	28400000	242000	C

Drainage Ditch North of Eastern Drainage Ditch
Sediment Sample PCB Congener Results
NED-9A

June 22, 2005

Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,3,3',4,4',5'-Hexachlorobiphenyl	157		242000	C156
2,3,3',4,4',6'-Hexachlorobiphenyl	158	37400000	197000	J
2,3,3',4,5,5'-Hexachlorobiphenyl	159	7390000	214000	J
2,3,3',4,5,6'-Hexachlorobiphenyl	160		255000	C129
2,3,3',4,5',6'-Hexachlorobiphenyl	161		209000	U
2,3,3',4',5,5'-Hexachlorobiphenyl	162		212000	U
2,3,3',4',5,6'-Hexachlorobiphenyl	163		255000	C129
2,3,3',4',5',6'-Hexachlorobiphenyl	164		249000	C137
2,3,3',5,5',6'-Hexachlorobiphenyl	165	825000	238000	
2,3,4,4',5,6'-Hexachlorobiphenyl	166		250000	C128
2,3',4,4',5,5'-Hexachlorobiphenyl	167	12200000	163000	
2,3',4,4',5',6'-Hexachlorobiphenyl	168		220000	C153
3,3',4,4',5,5'-Hexachlorobiphenyl	169	707000	183000	J
2,2',3,3',4,4',5'-Heptachlorobiphenyl	170	224000000	304000	
2,2',3,3',4,4',6'-Heptachlorobiphenyl	171	64500000	280000	C
2,2',3,3',4,5,5'-Heptachlorobiphenyl	172	35100000	279000	
2,2',3,3',4,5,6'-Heptachlorobiphenyl	173		280000	C171
2,2',3,3',4,5,6'-Heptachlorobiphenyl	174	191000000	254000	
2,2',3,3',4,5',6'-Heptachlorobiphenyl	175	7760000	248000	
2,2',3,3',4,6,6'-Heptachlorobiphenyl	176	22100000	183000	
2,2',3,3',4,5',6'-Heptachlorobiphenyl	177	114000000	267000	
2,2',3,3',5,5',6'-Heptachlorobiphenyl	178	37000000	267000	
2,2',3,3',5,6,6'-Heptachlorobiphenyl	179	71500000	194000	
2,2',3,4,4',5,5'-Heptachlorobiphenyl	180	478000000	208000	C
2,2',3,4,4',5,6'-Heptachlorobiphenyl	181	1320000	241000	
2,2',3,4,4',5,6'-Heptachlorobiphenyl	182	1610000	234000	
2,2',3,4,4',5',6'-Heptachlorobiphenyl	183	144000000	247000	C
2,2',3,4,4',6,6'-Heptachlorobiphenyl	184		195000	U
2,2',3,4,5,5',6'-Heptachlorobiphenyl	185		247000	C183
2,2',3,4,5,6,6'-Heptachlorobiphenyl	186		192000	U
2,2',3,4',5,5',6'-Heptachlorobiphenyl	187	224000000	229000	
2,2',3,4',5,6,6'-Heptachlorobiphenyl	188	480000	170000	QJ
2,3,3',4,4',5,5'-Heptachlorobiphenyl	189	8300000	163000	
2,3,3',4,4',5,6'-Heptachlorobiphenyl	190	41400000	191000	
2,3,3',4,4',5',6'-Heptachlorobiphenyl	191	7950000	183000	
2,3,3',4,5,5',6'-Heptachlorobiphenyl	192		208000	U
2,3,3',4',5,5',6'-Heptachlorobiphenyl	193		208000	C180
2,2',3,3',4,4',5,5'-Octachlorobiphenyl	194	111000000	224000	
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	195	48900000	245000	

**Drainage Ditch North of Eastern Drainage Ditch
Sediment Sample PCB Congener Results**

NED-9A

June 22, 2005

Amtrak Former Fueling Facility

4001 Vandever Avenue

Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	196	51600000	244000	
2,2',3,3',4,4',6,6'-Octachlorobiphenyl	197	14600000	169000	C
2,2',3,3',4,5,5',6-Octachlorobiphenyl	198	89400000	245000	C
2,2',3,3',4,5,5',6'-Octachlorobiphenyl	199		245000	C198
2,2',3,3',4,5,6,6'-Octachlorobiphenyl	200		169000	C197
2,2',3,3',4,5',6,6'-Octachlorobiphenyl	201	9950000	162000	
2,2',3,3',5,5',6,6'-Octachlorobiphenyl	202	13300000	183000	
2,2',3,4,4',5,5',6-Octachlorobiphenyl	203	57500000	221000	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl	204		172000	U
2,3,3',4,4',5,5',6-Octachlorobiphenyl	205	5690000	181000	
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	206	20500000	263000	
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	207	2590000	170000	
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	208	3960000	170000	
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	209	10600000	202000	

TOTAL = 6,751,318,000

Notes:

Sample collected

Data not validated.

B = Analyte is present in the associated method blank at a reportable level.

C = Co-eluting congener. Reported value is the total sum of the co-eluting congener(s).

Cx = Corresponding number (x) represents the co-eluting congener. See (x) for the summed results.

J = Estimated value.

U = Not detected.

Q = Estimated maximum possible concentration.

pg/kg = Picograms per kilogram.

Analytical data validated by SECOR personnel

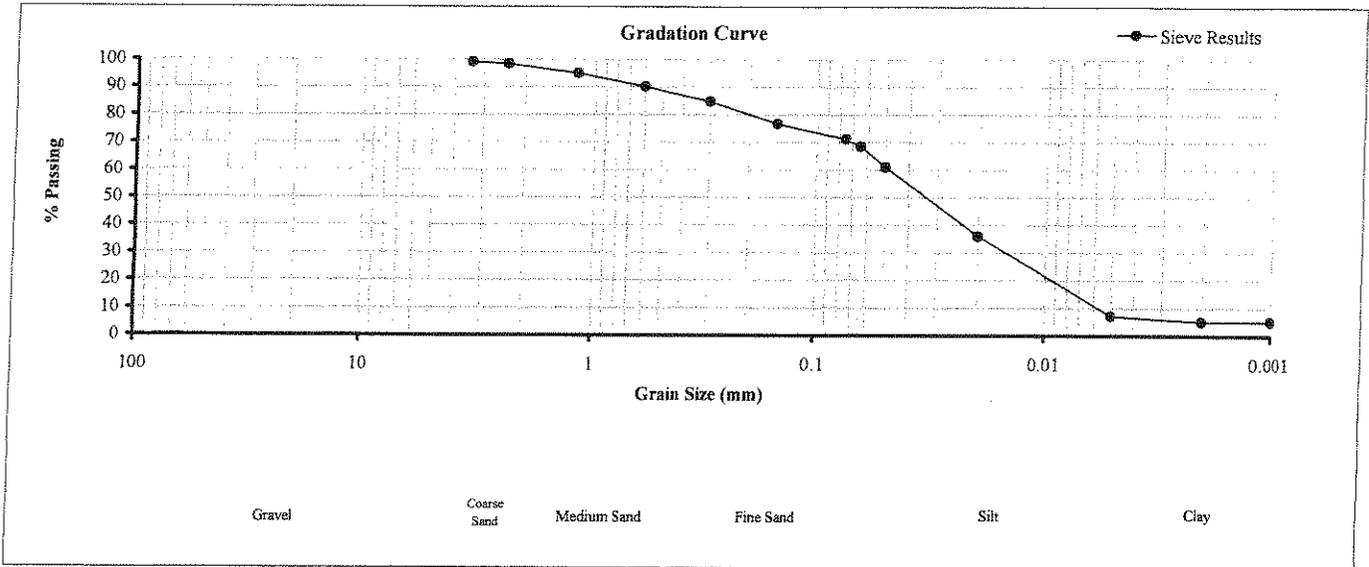
SECOR
International Incorporated

102 Pickering Way, Suite 200
Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	I-A
Date:	4/11/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	0.4
Coarse to Fine Sand	4.75mm to 0.075mm	28.4
Silt	.075mm to .005mm	64.2
Clay	Material smaller than .005mm	7.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0060
D ₃₀ =	0.0160
D ₆₀ =	0.050

Shape Parameters

Coefficient Of Uniformity, C _u	8.3
Coefficient Of Curvature, C _c	0.9

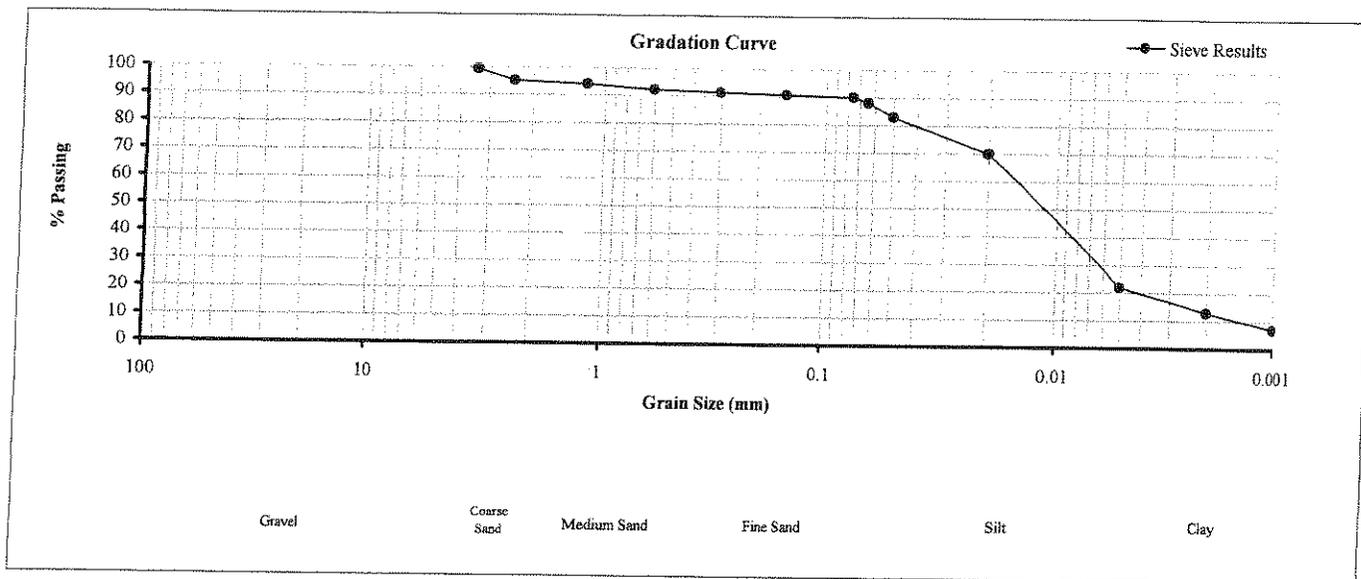
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International Incorporated

102 Pickering Way, Suite 200
Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	1H-C
Date:	4/11/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	0.1
Coarse to Fine Sand	4.75mm to 0.075mm	9.9
Silt	.075mm to .005mm	68.0
Clay	Material smaller than .005mm	22.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0015
D ₃₀ =	0.0064
D ₆₀ =	0.016

Shape Parameters

Coefficient Of Uniformity, C _u	10.7
Coefficient Of Curvature, C _c	1.7

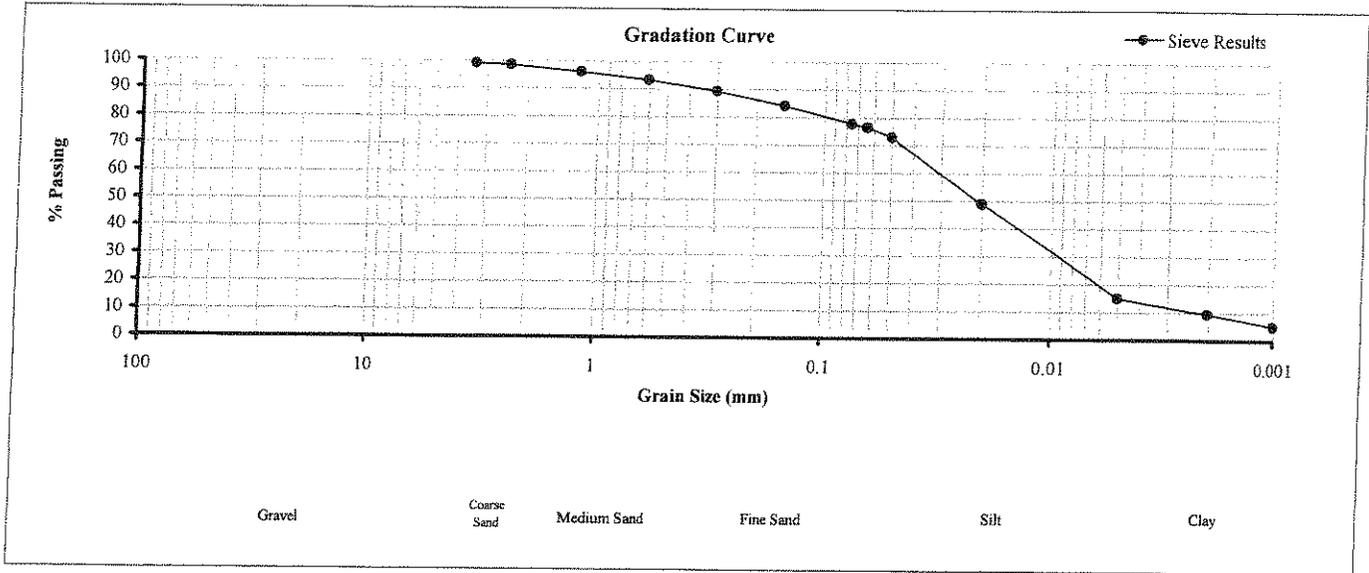
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102 Pickering Way, Suite 200
Exton, Pennsylvania
19341

GRAIN SIZE ANALYSIS

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	2 - A
Date:	4/11/2005

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	0.5
Coarse to Fine Sand	4.75mm to 0.075mm	21.7
Silt	.075mm to .005mm	62.8
Clay	Material smaller than .005mm	15.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0020
D ₃₀ =	0.0090
D ₆₀ =	0.030

Shape Parameters

Coefficient Of Uniformity, C _u	15.0
Coefficient Of Curvature, C _c	1.4

SECOR

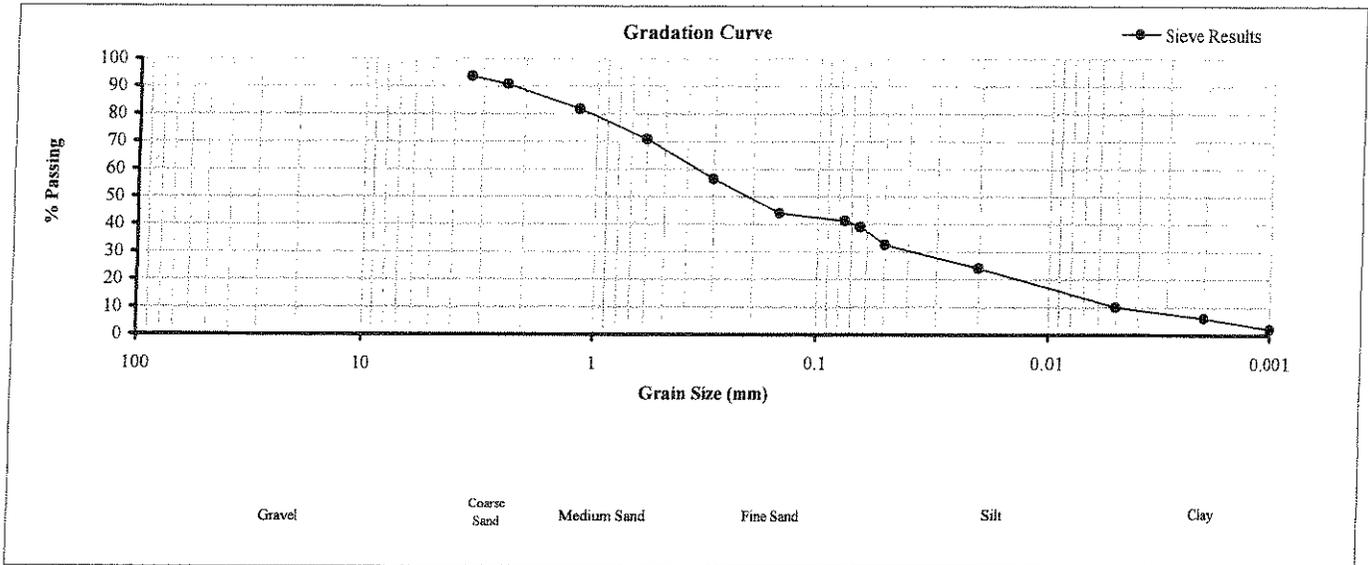
International Incorporated

102 Pickering Way, Suite 200
 Exton, Pennsylvania
 19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	2-B (0-3)
Date:	4/11/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	3.1
Coarse to Fine Sand	4.75mm to 0.075mm	55.7
Silt	.075mm to .005mm	31.2
Clay	Material smaller than .005mm	10.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0050
D ₃₀ =	0.0400
D ₆₀ =	0.370

Shape Parameters

Coefficient Of Uniformity, C _u	74.0
Coefficient Of Curvature, C _c	0.9

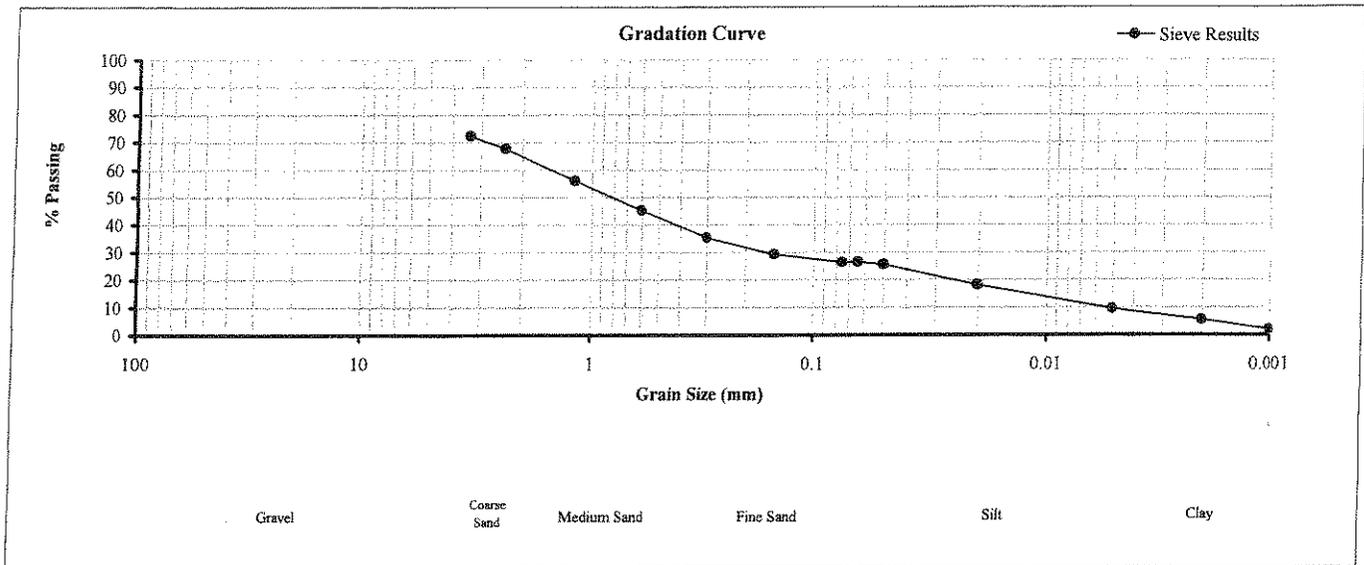
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102 Pickering Way, Suite 200
Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	2--B (3-6)
Date:	4/11/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	23.7
Coarse to Fine Sand	4.75mm to 0.075mm	50.0
Silt	.075mm to .005mm	16.8
Clay	Material smaller than .005mm	9.5

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0050
D ₃₀ =	0.1700
D ₆₀ =	1.600

Shape Parameters

Coefficient Of Uniformity, C _u	320.0
Coefficient Of Curvature, C _c	3.6

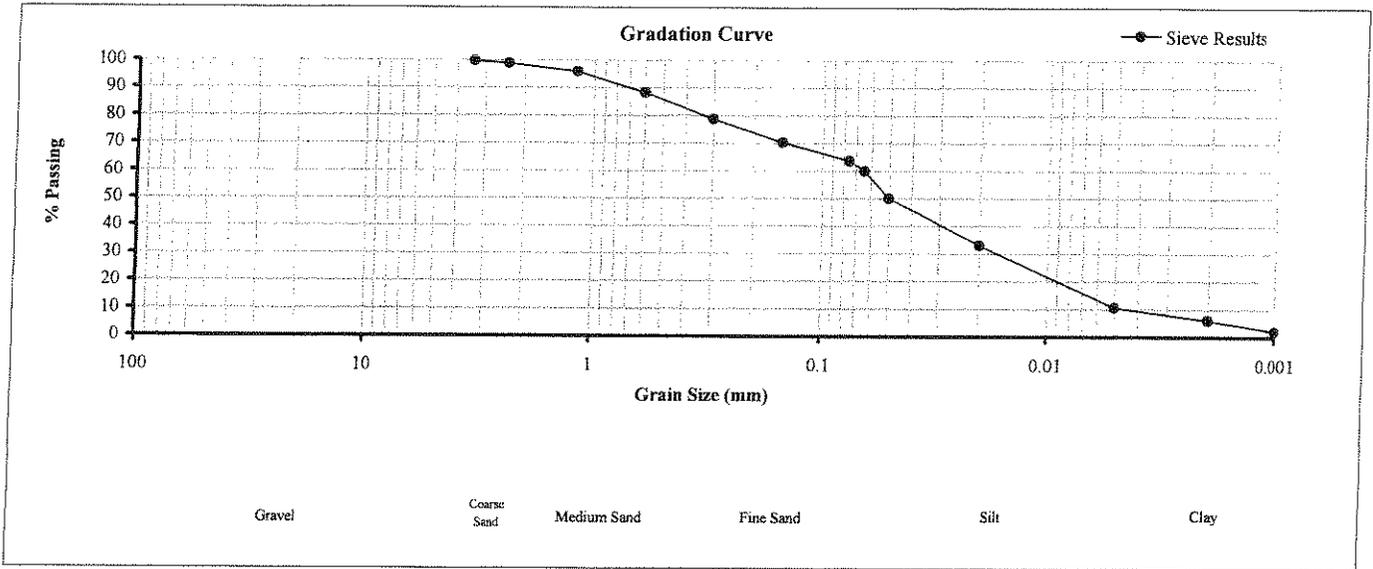
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102 Pickering Way, Suite 200
Exton, Pennsylvania
19341

GRAIN SIZE ANALYSIS

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	3 - A
Date:	4/7/2005

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	0.0
Coarse to Fine Sand	4.75mm to 0.075mm	36.4
Silt	0.075mm to .005mm	53.1
Clay	Material smaller than .005mm	10.5

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0050
D ₃₀ =	0.0185
D ₆₀ =	0.065

Shape Parameters

Coefficient Of Uniformity, C _u	13.0
Coefficient Of Curvature, C _c	1.1

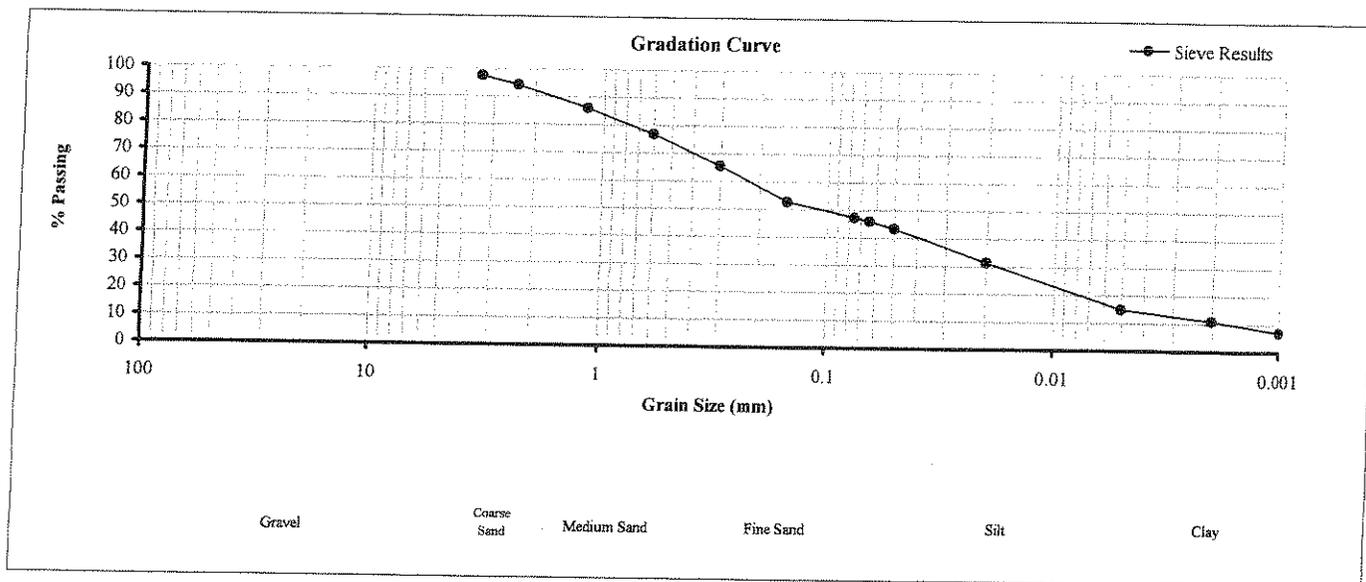
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Exton, Pennsylvania
19341

GRAIN SIZE ANALYSIS

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	3-B (0-3)
Date:	4/7/2005

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	0.9
Coarse to Fine Sand	4.75mm to 0.075mm	51.8
Silt	.075mm to .005mm	32.3
Clay	Material smaller than .005mm	15.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0018
D ₃₀ =	0.0190
D ₆₀ =	0.240

Shape Parameters

Coefficient Of Uniformity, C _u	133.3
Coefficient Of Curvature, C _c	0.8

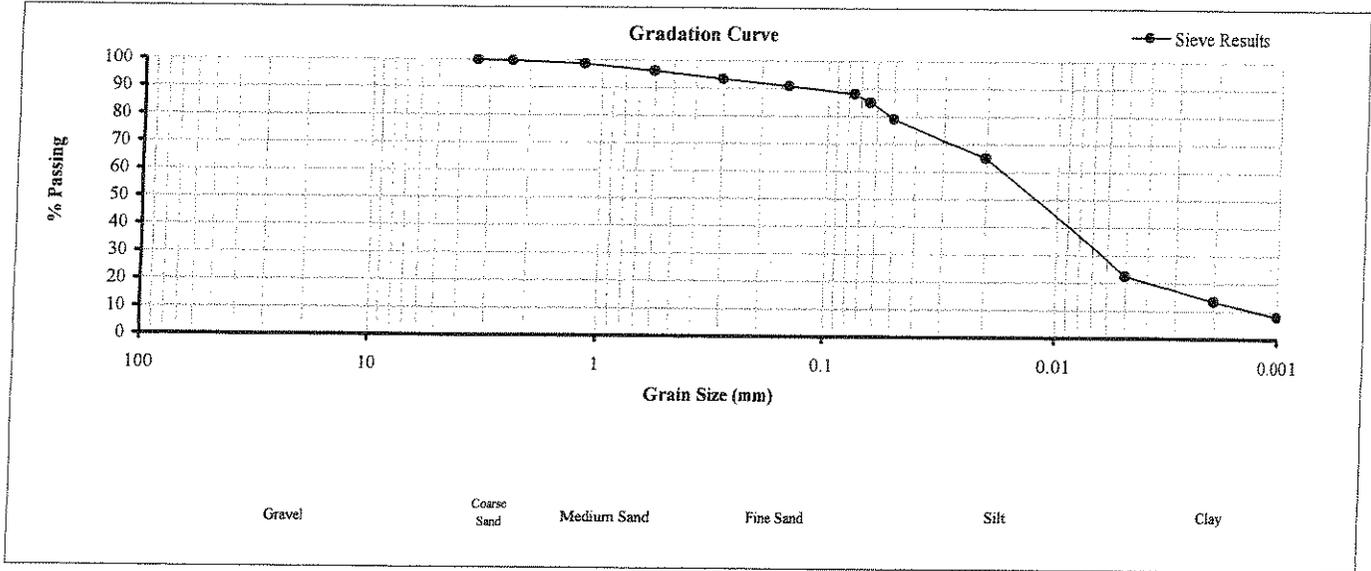
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102 Pickering Way, Suite 200
Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	3-B (3-6)
Date:	4/7/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	0.0
Coarse to Fine Sand	4.75mm to 0.075mm	12.0
Silt	.075mm to .005mm	65.5
Clay	Material smaller than .005mm	22.5

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0014
D ₃₆ =	0.0061
D ₆₀ =	0.018

Shape Parameters

Coefficient Of Uniformity, C _u	12.9
Coefficient Of Curvature, C _c	1.5

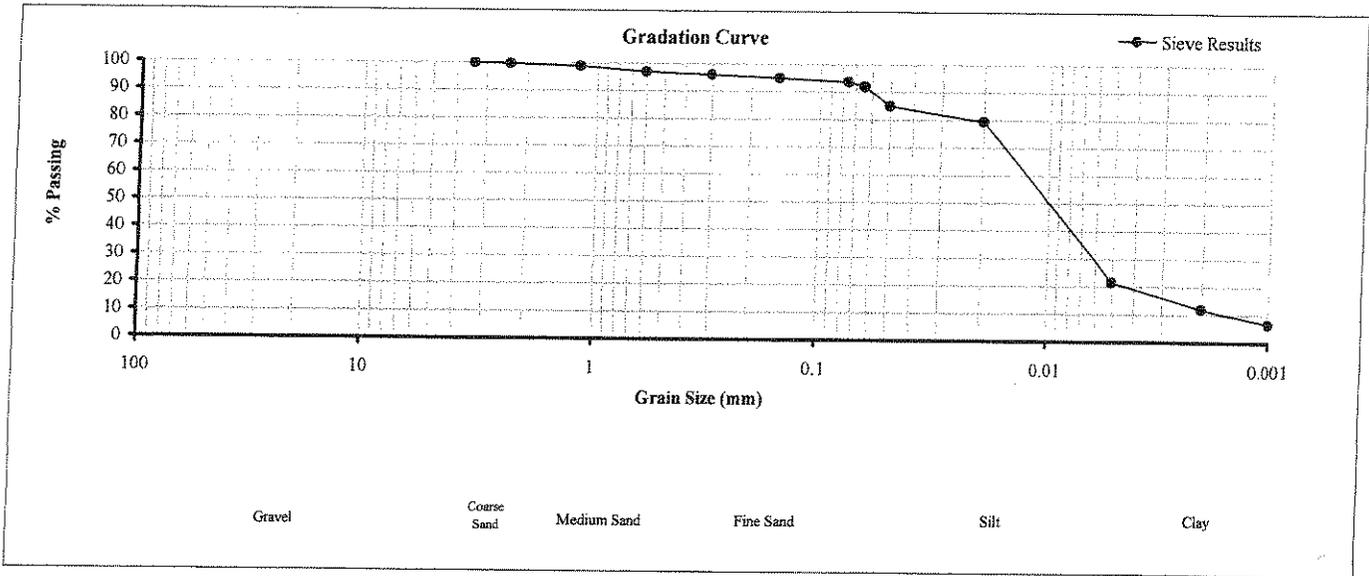
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102 Pickering Way, Suite 200
Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	3II-C
Date:	4/7/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	0.0
Coarse to Fine Sand	4.75mm to 0.075mm	6.3
Silt	.075mm to .005mm	72.2
Clay	Material smaller than .005mm	21.5

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0018
D ₃₀ =	0.0060
D ₆₀ =	0.014

Shape Parameters

Coefficient Of Uniformity, C _u	7.8
Coefficient Of Curvature, C _c	1.4

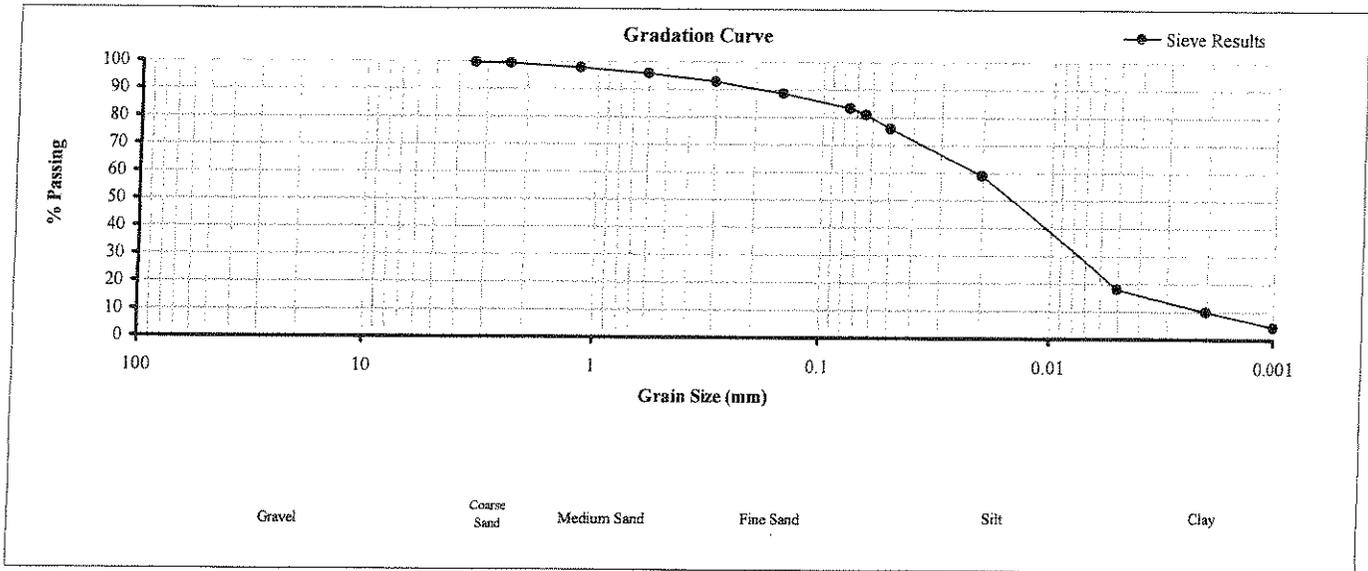
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102 Pickering Way, Suite 200
Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	4 - A
Date:	4/7/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	0.2
Coarse to Fine Sand	4.75mm to 0.075mm	16.4
Silt	.075mm to .005mm	65.4
Clay	Material smaller than .005mm	18.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0020
D ₃₀ =	0.0075
D ₆₀ =	0.020

Shape Parameters

Coefficient Of Uniformity, C _u	10.0
Coefficient Of Curvature, C _c	1.4

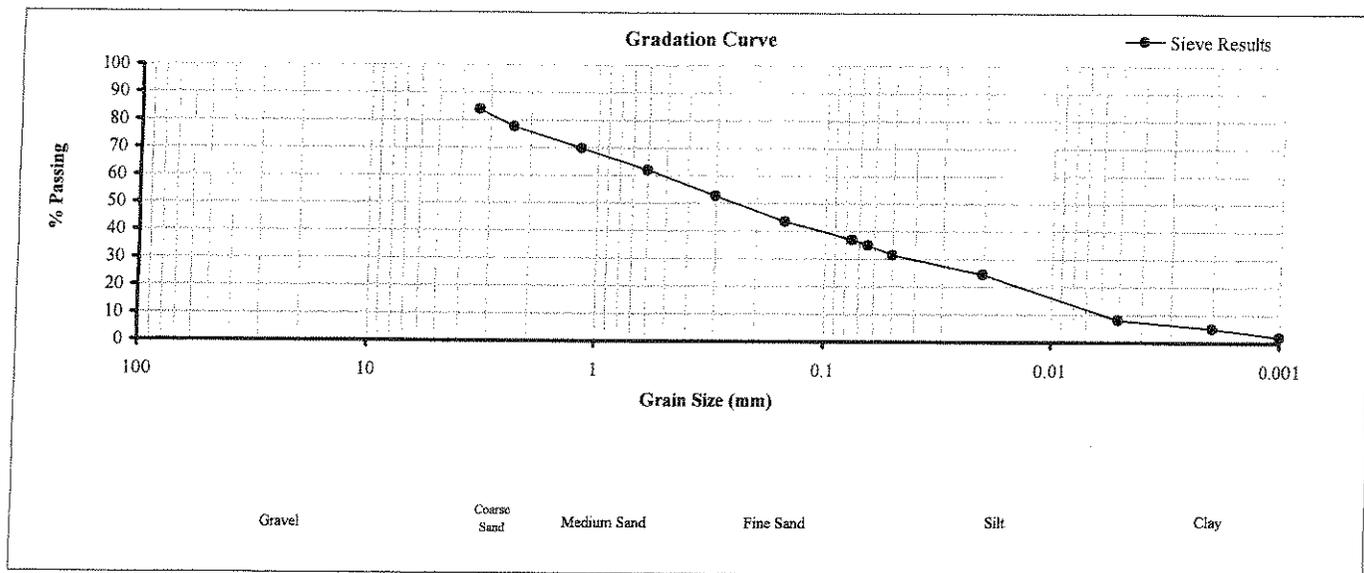
SECOR
International Incorporated

102 Pickering Way, Suite 200
Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	4-B (0-3)
Date:	4/7/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	11.8
Coarse to Fine Sand	4.75mm to 0.075mm	51.2
Silt	.075mm to .005mm	29.0
Clay	Material smaller than .005mm	8.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0060
D ₃₀ =	0.0450
D ₆₀ =	0.550

Shape Parameters

Coefficient Of Uniformity, C _u	91.7
Coefficient Of Curvature, C _c	0.6

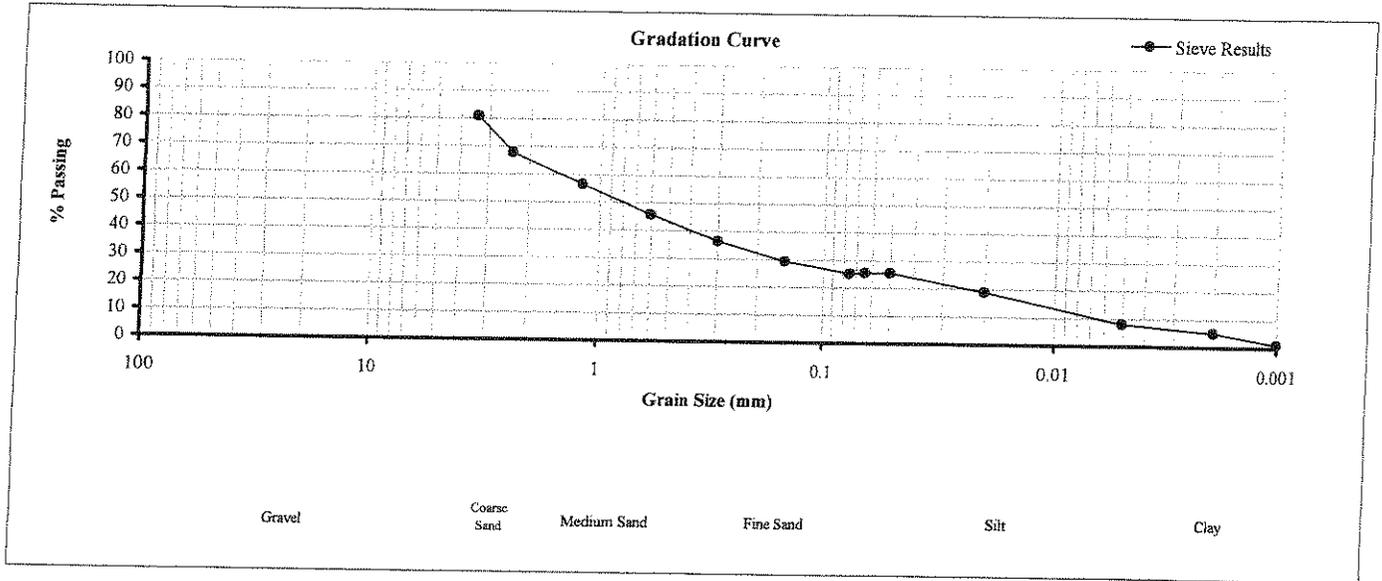
SECOR
International Incorporated

102 Pickering Way, Suite 200
Exton, Pennsylvania
19341

GRAIN SIZE ANALYSIS

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	4-B (3-6)
Date:	4/7/2005

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	9.2
Coarse to Fine Sand	4.75mm to 0.075mm	65.6
Silt	.075mm to .005mm	17.2
Clay	Material smaller than .005mm	8.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0065
D ₃₀ =	0.0175
D ₆₀ =	1.500

Shape Parameters

Coefficient Of Uniformity, C _u	230.8
Coefficient Of Curvature, C _c	0.0

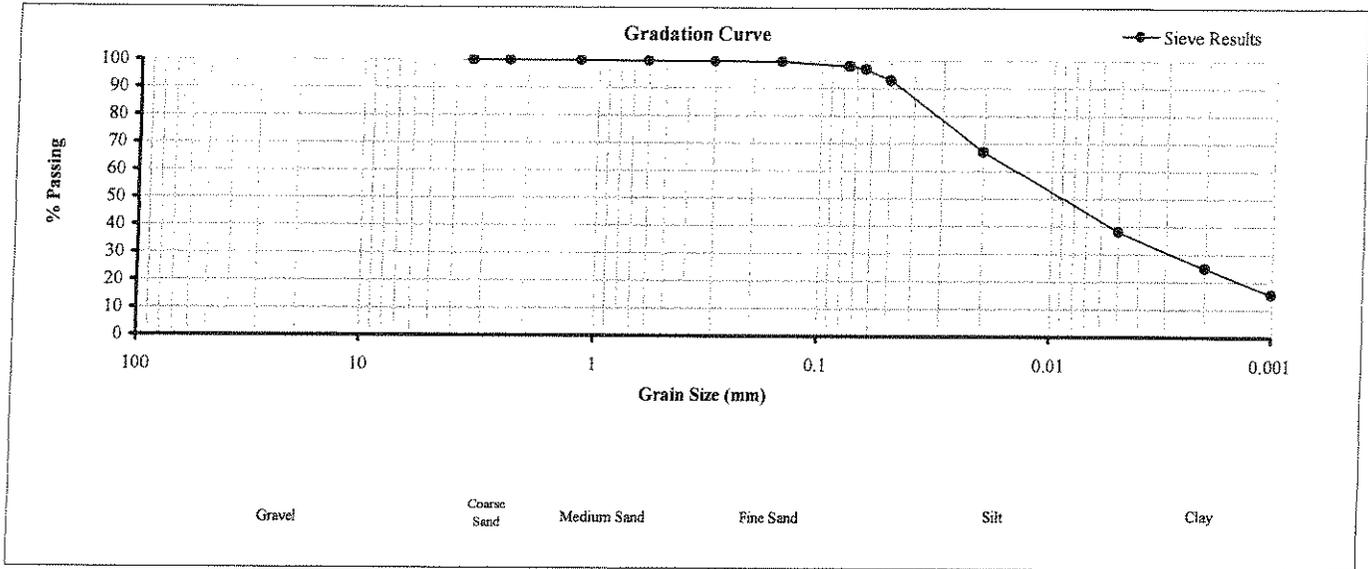
SECOR
International Incorporated

102 Pickering Way, Suite 200
Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	4H-C
Date:	4/7/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	0.0
Coarse to Fine Sand	4.75mm to 0.075mm	2.0
Silt	.075mm to .005mm	60.0
Clay	Material smaller than .005mm	38.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0000
D ₂₀ =	0.0029
D ₆₀ =	0.015

Shape Parameters

Coefficient Of Uniformity, C _u	#DIV/0!
Coefficient Of Curvature, C _c	#DIV/0!

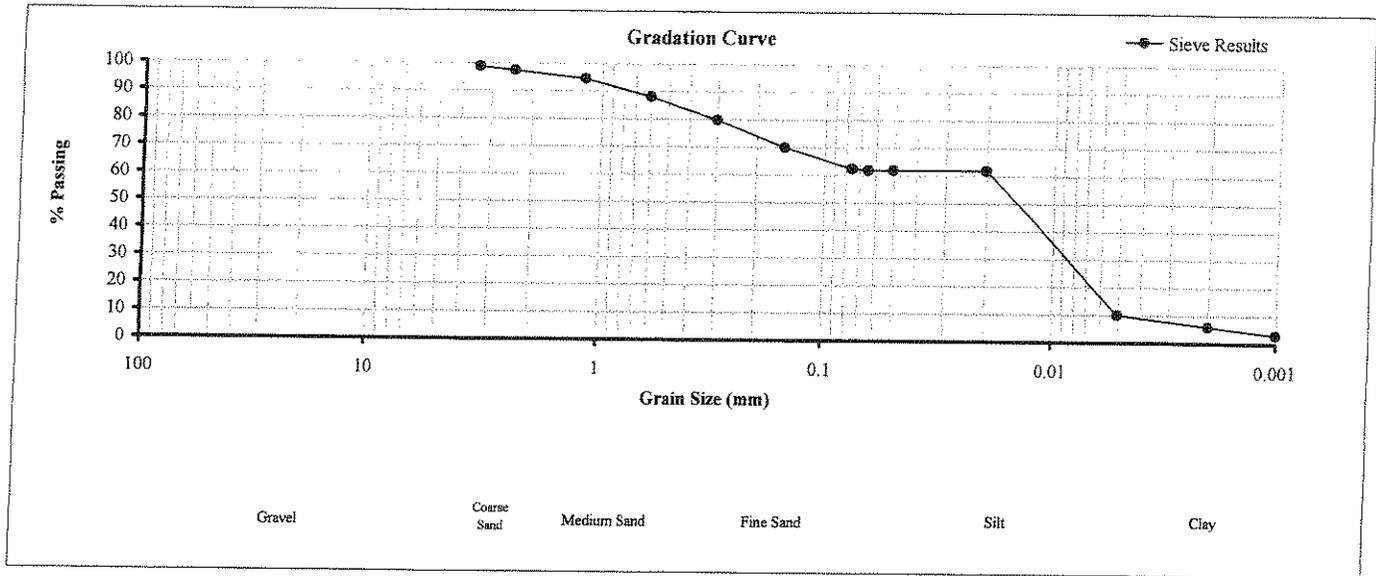
SECOR
International Incorporated

102 Pickering Way, Suite 200
Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	5 - A
Date:	4/7/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	0.3
Coarse to Fine Sand	4.75mm to 0.075mm	37.3
Silt	.075mm to .005mm	52.4
Clay	Material smaller than .005mm	10.0

Diameters Corresponding To % Passing (mm)	
D_{10} =	0.005
D_{30} =	0.0088
D_{60} =	0.019

Shape Parameters

Coefficient Of Uniformity, C_u	3.8
Coefficient Of Curvature, C_c	0.8

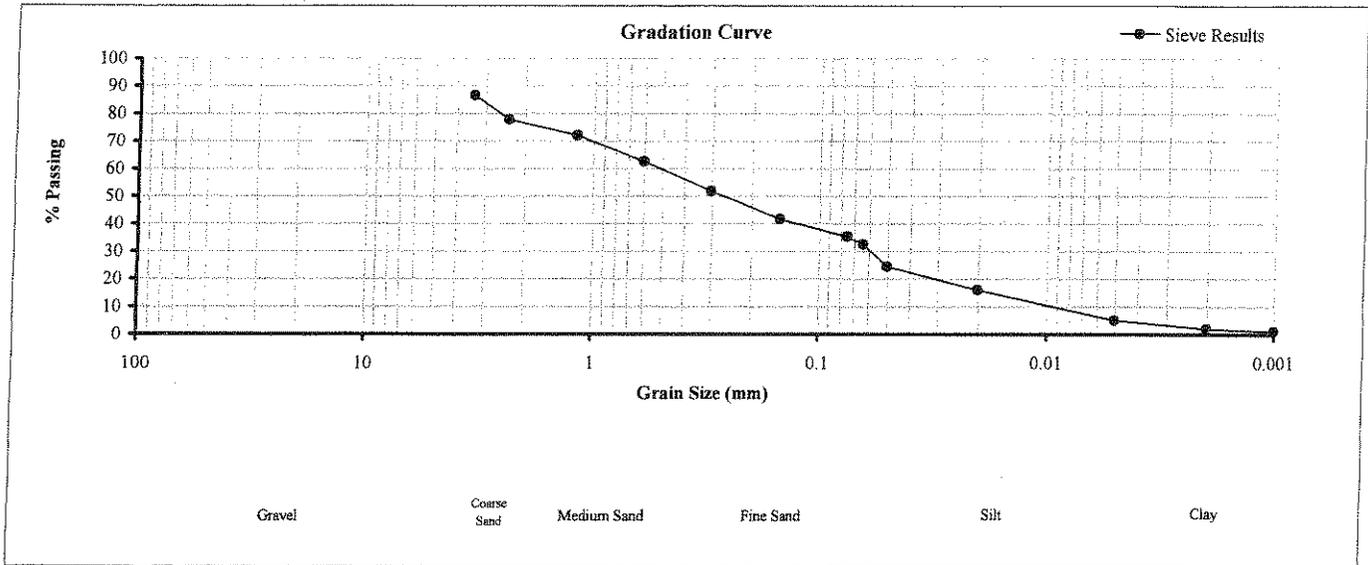
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102 Pickering Way, Suite 200
Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	5-B (0-3)
Date:	4/7/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	8.7
Coarse to Fine Sand	4.75mm to 0.075mm	55.9
Silt	.075mm to .005mm	30.4
Clay	Material smaller than .005mm	5.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0095
D ₃₀ =	0.0600
D ₆₀ =	0.520

Shape Parameters

Coefficient Of Uniformity, C _u	54.7
Coefficient Of Curvature, C _c	0.7

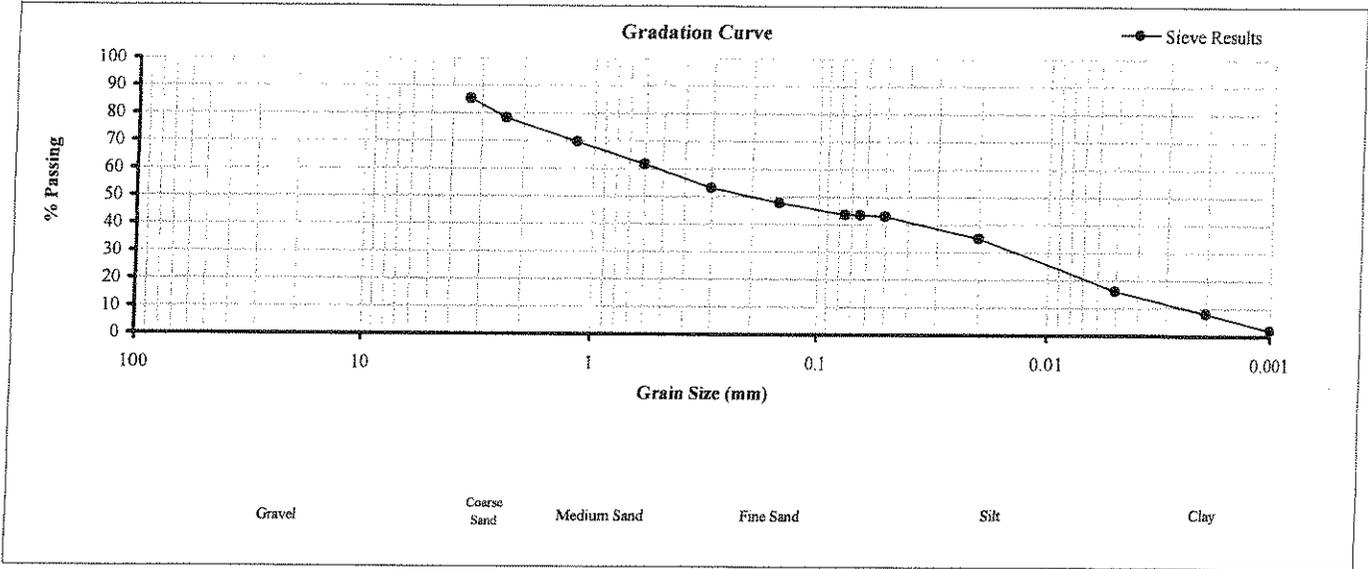
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Exton, Pennsylvania
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GRAIN SIZE ANALYSIS

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	5-B (3-6)
Date:	4/7/2005

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	6.3
Coarse to Fine Sand	4.75mm to 0.075mm	50.1
Silt	.075mm to .005mm	27.6
Clay	Material smaller than .005mm	16.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0026
D ₃₀ =	0.0150
D ₆₀ =	0.550

Shape Parameters

Coefficient Of Uniformity, C _u	211.5
Coefficient Of Curvature, C _c	0.2

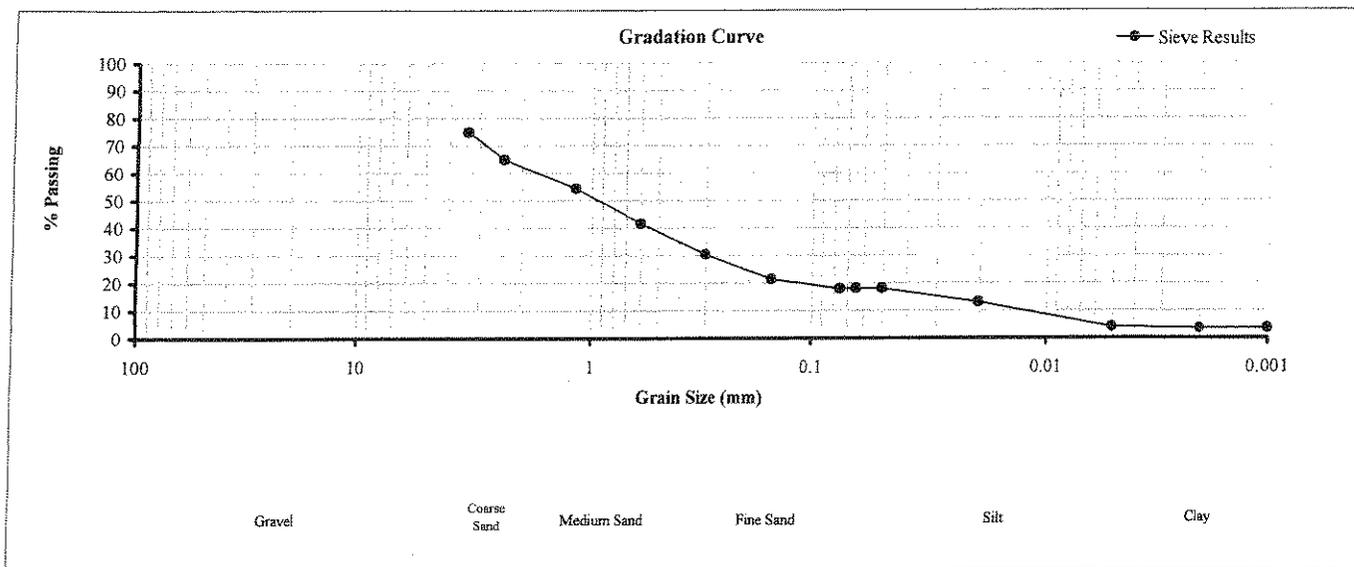
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Exton, Pennsylvania
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Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	6-B (0-3)
Date:	4/5/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	14.3
Coarse to Fine Sand	4.75mm to 0.075mm	67.8
Silt	.075mm to .005mm	13.9
Clay	Material smaller than .005mm	4.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0140
D ₃₀ =	0.3000
D ₆₀ =	1.800

Shape Parameters

Coefficient Of Uniformity, C _u	128.6
Coefficient Of Curvature, C _c	3.6

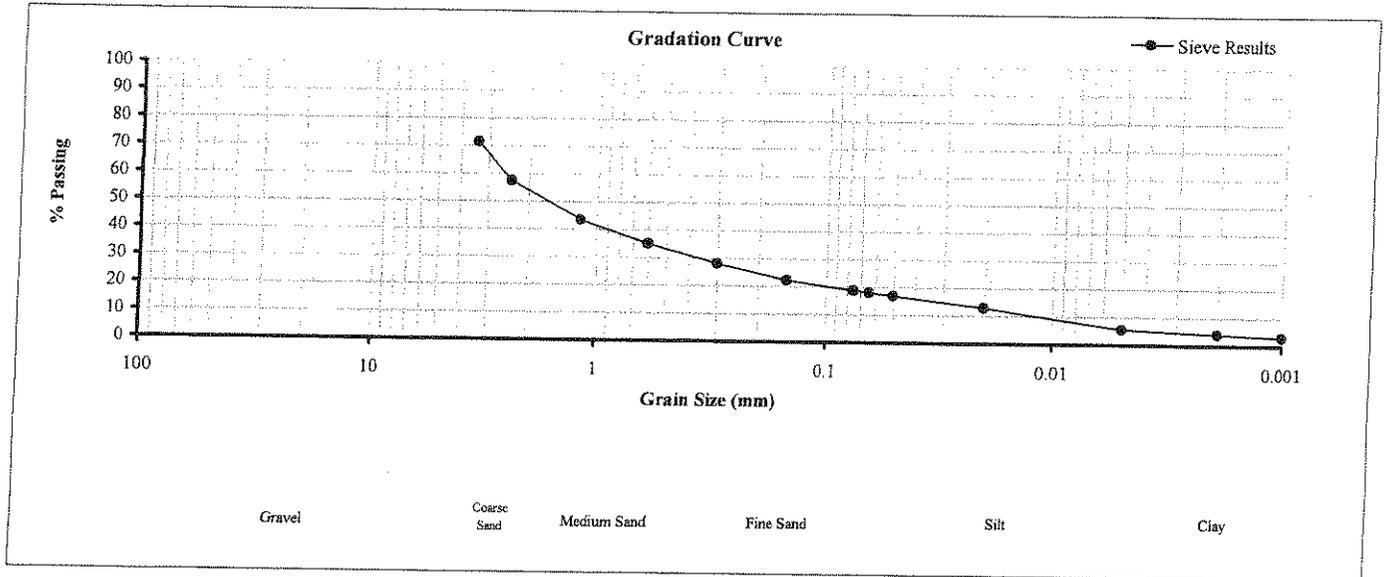
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GRAIN SIZE ANALYSIS

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	6-B (3-6)
Date:	4/6/2005

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	13.7
Coarse to Fine Sand	4.75mm to 0.075mm	67.5
Silt	.075mm to .005mm	13.3
Clay	Material smaller than .005mm	5.5

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0125
D ₃₀ =	0.4000
D ₆₀ =	2.550

Shape Parameters

Coefficient Of Uniformity, C _u	204.0
Coefficient Of Curvature, C _c	5.0

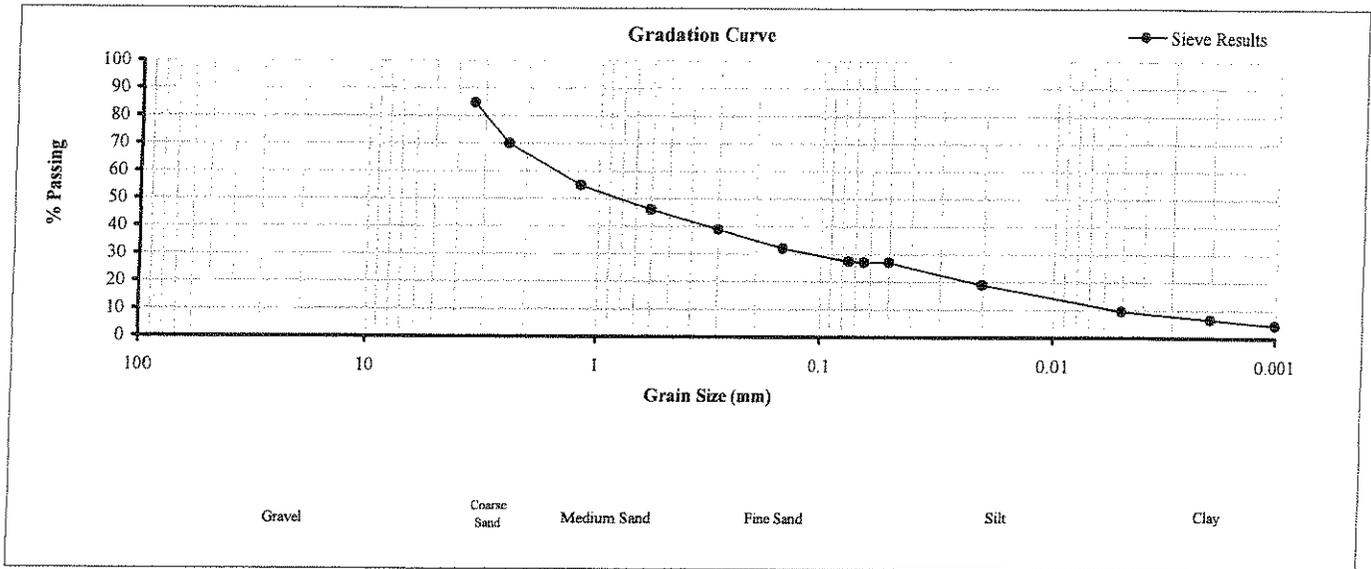
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Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	6-B (6-9)
Date:	4/6/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	3.5
Coarse to Fine Sand	4.75mm to 0.075mm	69.1
Silt	.075mm to .005mm	17.9
Clay	Material smaller than .005mm	9.5

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0050
D ₃₀ =	0.1300
D ₆₀ =	1.600

Shape Parameters

Coefficient Of Uniformity, C _u	320.0
Coefficient Of Curvature, C _c	2.1

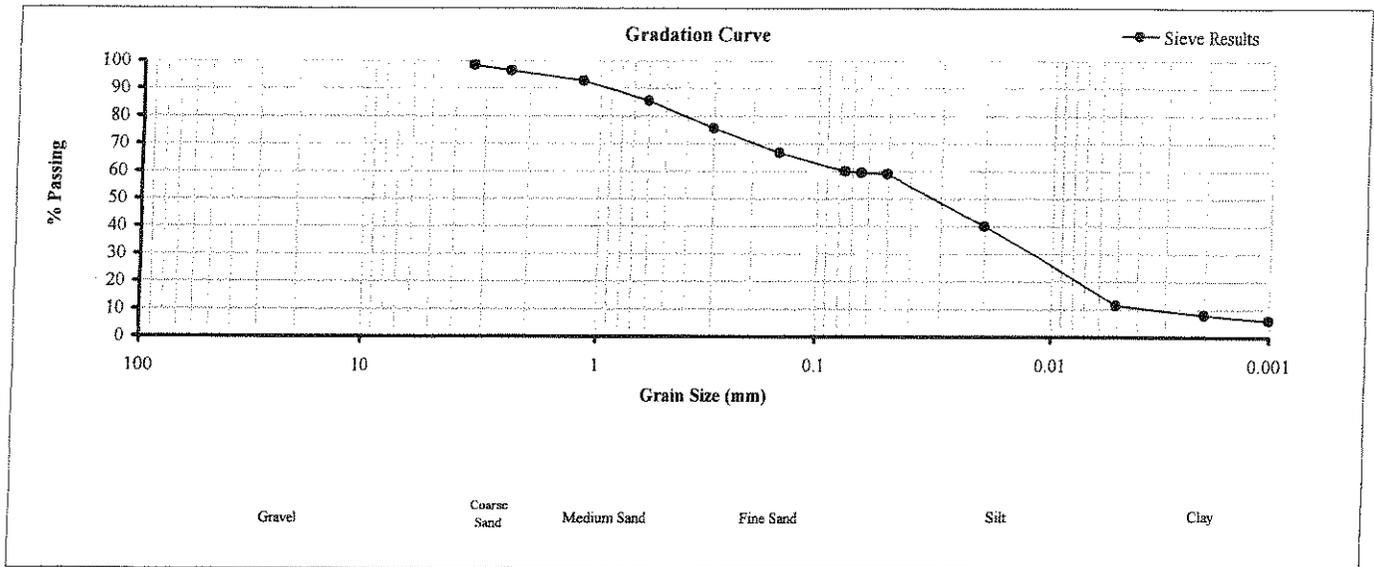
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Exton, Pennsylvania
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Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	7 - A
Date:	4/5/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	0.4
Coarse to Fine Sand	4.75mm to 0.075mm	39.5
Silt	.075mm to .005mm	48.6
Clay	Material smaller than .005mm	11.5

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0035
D ₃₀ =	0.0140
D ₆₀ =	0.065

Shape Parameters

Coefficient Of Uniformity, C _u	18.6
Coefficient Of Curvature, C _c	0.9

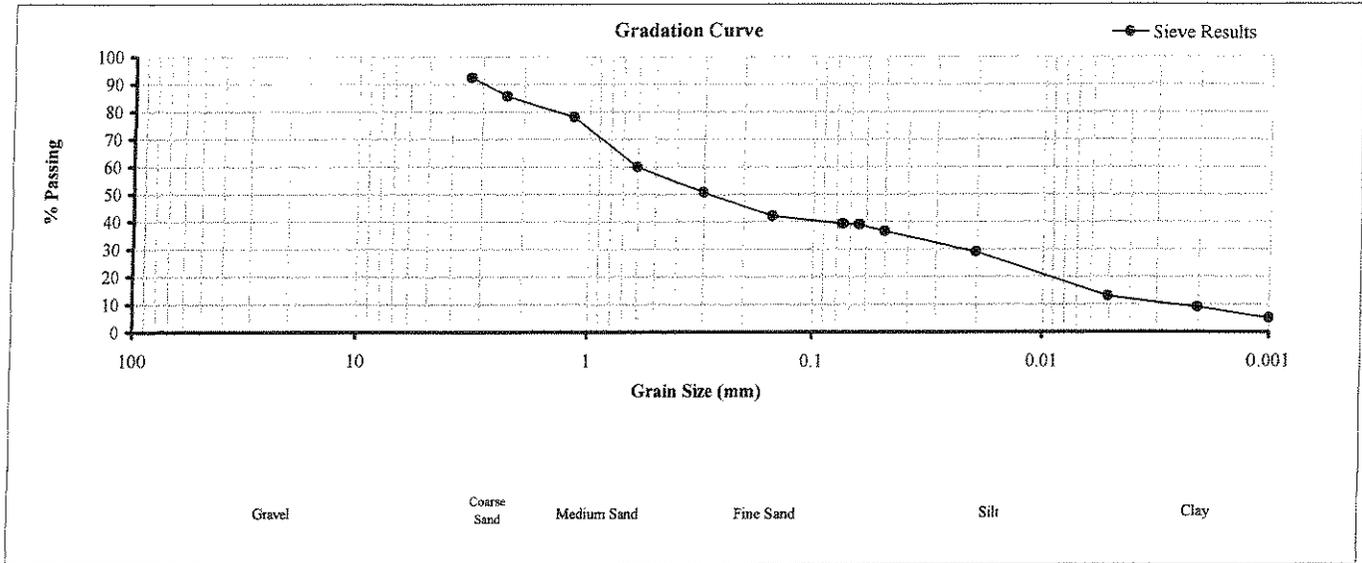
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Exton, Pennsylvania
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Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	7-B (0-3)
Date:	4/5/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	2.9
Coarse to Fine Sand	4.75mm to 0.075mm	57.8
Silt	.075mm to .005mm	26.3
Clay	Material smaller than .005mm	13.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0024
D ₃₀ =	0.0220
D ₆₀ =	0.600

Shape Parameters

Coefficient Of Uniformity, C _u	250.0
Coefficient Of Curvature, C _c	0.3

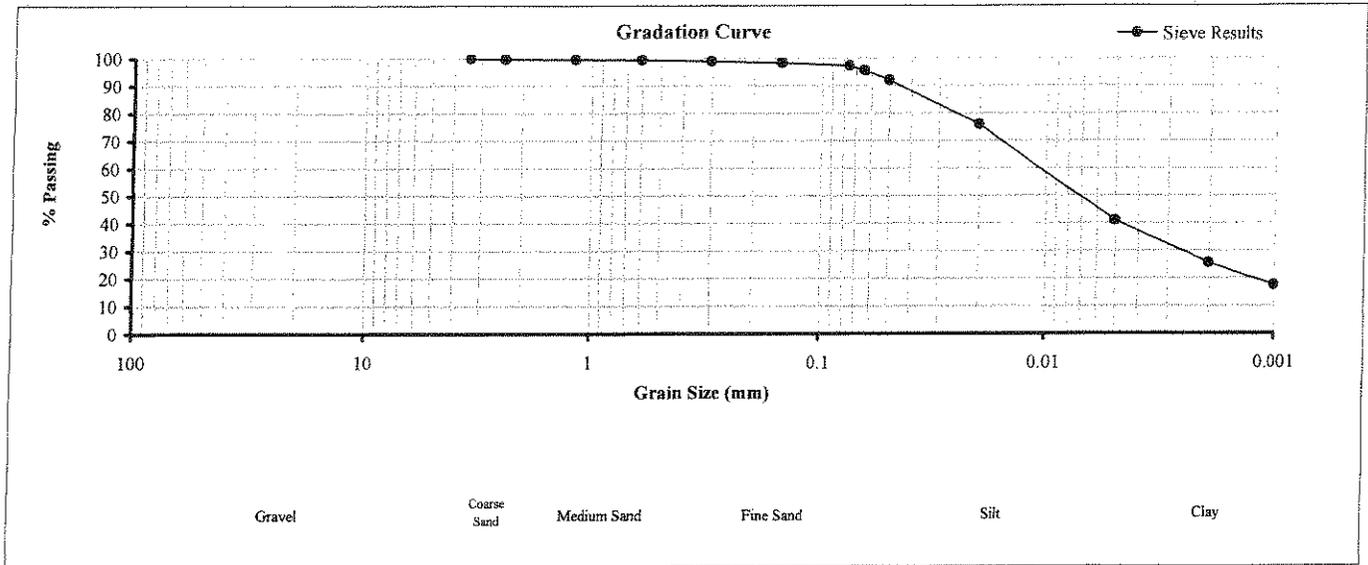
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Exton, Pennsylvania
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Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	7-IIC
Date:	4/5/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	0.0
Coarse to Fine Sand	4.75mm to 0.075mm	2.7
Silt	.075mm to .005mm	56.3
Clay	Material smaller than .005mm	41.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0000
D ₃₀ =	0.0027
D ₆₀ =	0.011

Shape Parameters

Coefficient Of Uniformity, C _u	#DIV/0!
Coefficient Of Curvature, C _c	#DIV/0!

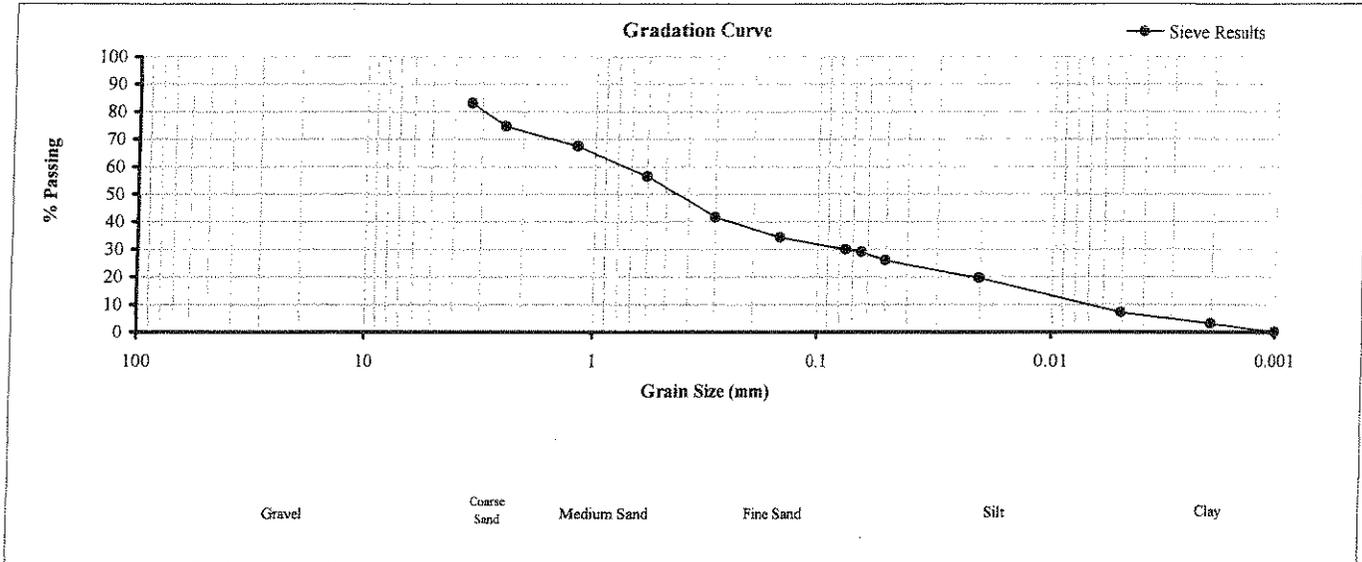
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Exton, Pennsylvania
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Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	8 - A
Date:	4/4/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	11.2
Coarse to Fine Sand	4.75mm to 0.075mm	58.8
Silt	.075mm to .005mm	23.0
Clay	Material smaller than .005mm	7.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0070
D ₃₀ =	0.0750
D ₆₀ =	0.750

Shape Parameters

Coefficient Of Uniformity, C _u	107.1
Coefficient Of Curvature, C _c	1.1

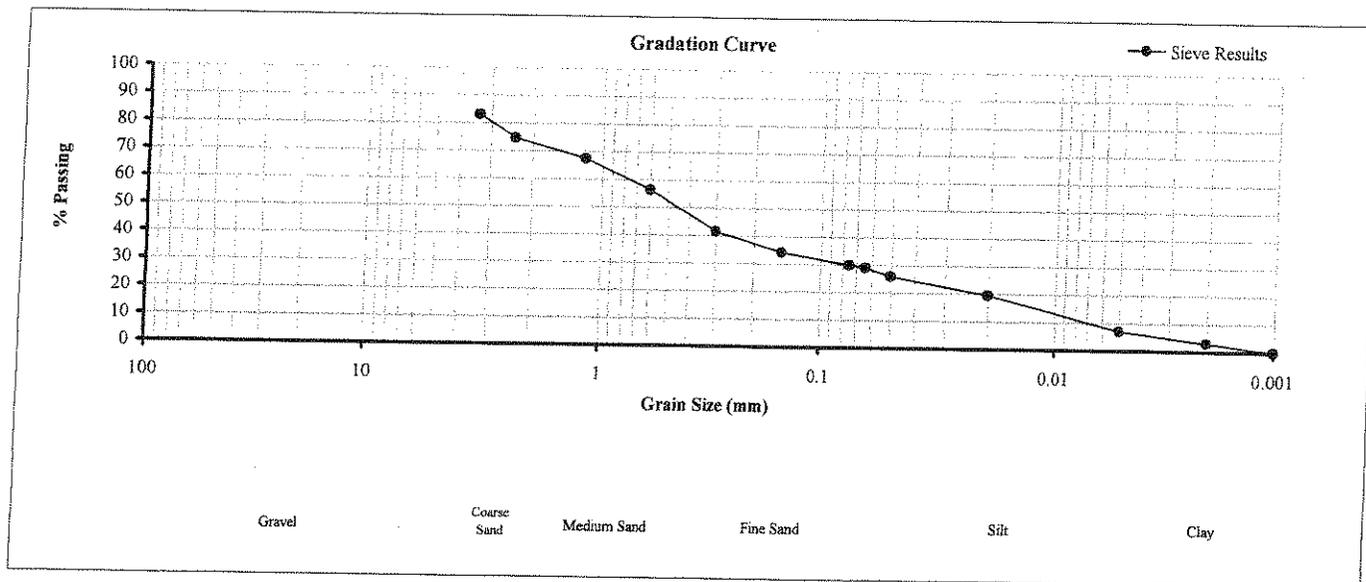
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Exton, Pennsylvania
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GRAIN SIZE ANALYSIS

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	8 - A
Date:	4/4/2005

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	11.2
Coarse to Fine Sand	4.75mm to 0.075mm	58.8
Silt	.075mm to .005mm	23.0
Clay	Material smaller than .005mm	7.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0070
D ₃₀ =	0.0750
D ₆₀ =	0.750

Shape Parameters

Coefficient Of Uniformity, C _u	107.1
Coefficient Of Curvature, C _c	1.1

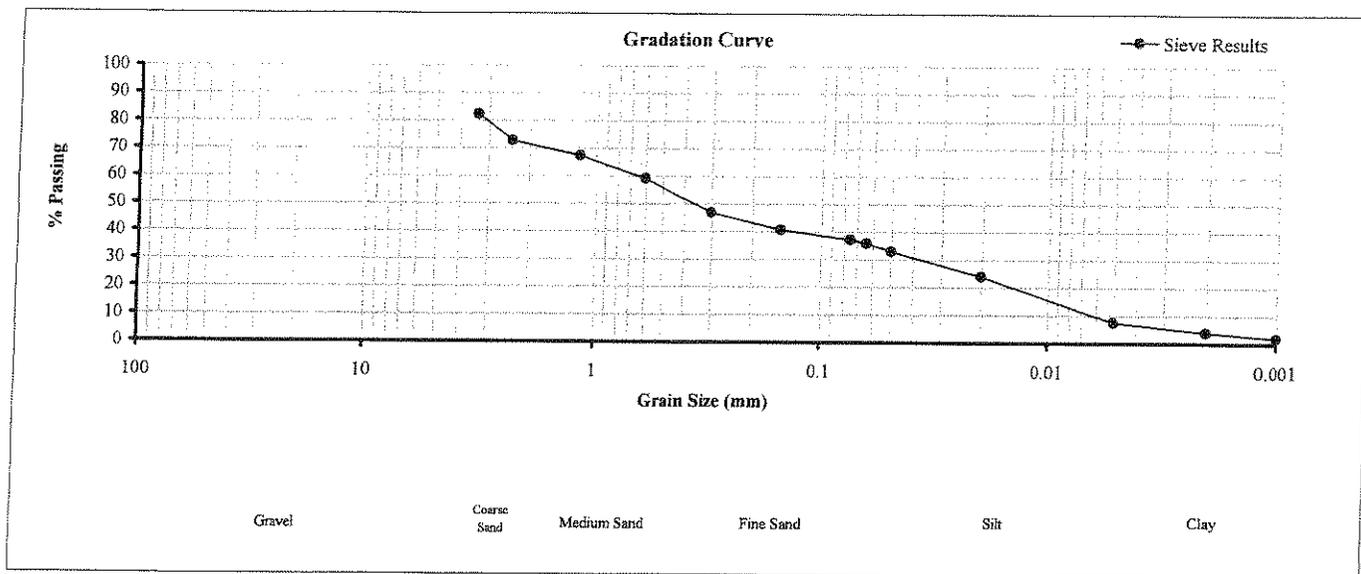
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GRAIN SIZE ANALYSIS

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	8-B (0-3)
Date:	4/4/2005

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	9.2
Coarse to Fine Sand	4.75mm to 0.075mm	53.6
Silt	.075mm to .005mm	29.7
Clay	Material smaller than .005mm	7.5

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0065
D ₅₀ =	0.0400
D ₆₀ =	0.600

Shape Parameters

Coefficient Of Uniformity, C _u	92.3
Coefficient Of Curvature, C _c	0.4

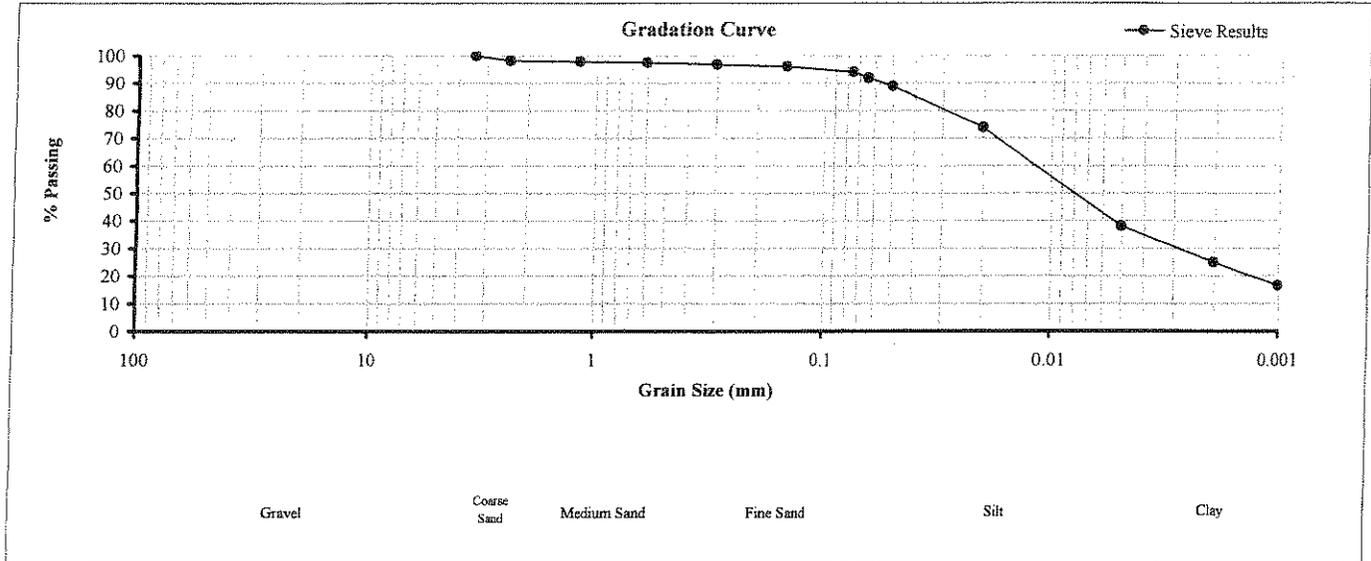
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Exton, Pennsylvania
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Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	8-IIC
Date:	4/4/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	0.0
Coarse to Fine Sand	4.75mm to 0.075mm	5.8
Silt	.075mm to .005mm	56.2
Clay	Material smaller than .005mm	38.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0000
D ₃₀ =	0.0030
D ₆₀ =	0.013

Shape Parameters

Coefficient Of Uniformity, C _u	#DIV/0!
Coefficient Of Curvature, C _c	#DIV/0!

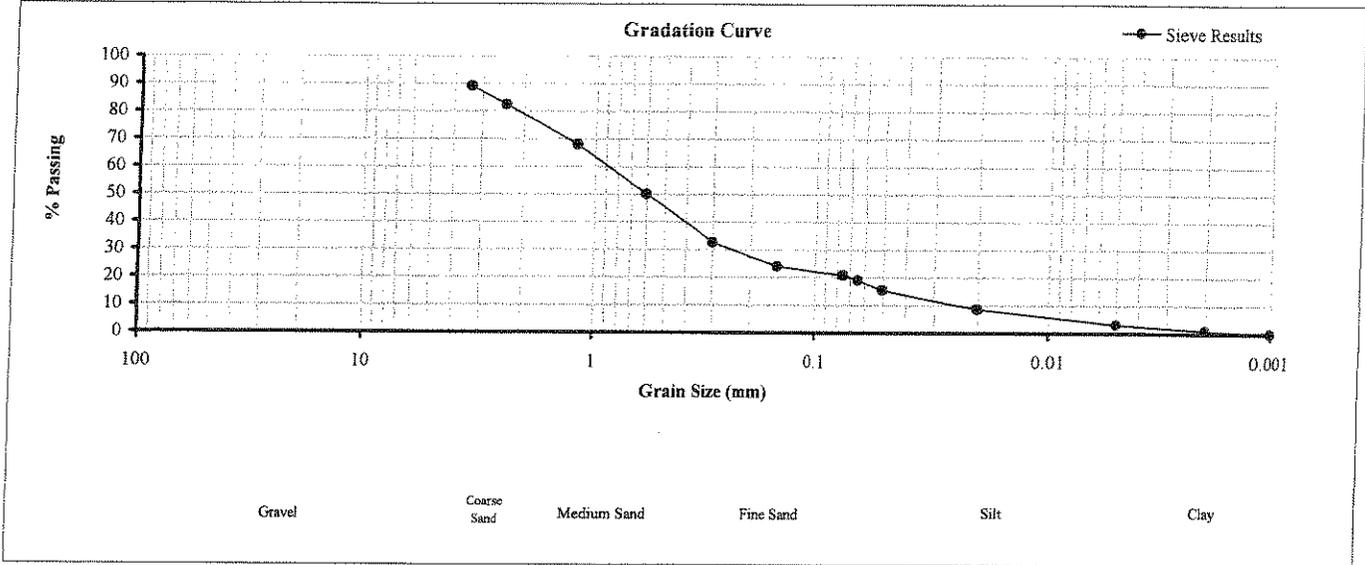
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Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	9-A
Date:	4/13/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	6.0
Coarse to Fine Sand	4.75mm to 0.075mm	73.2
Silt	.075mm to .005mm	17.8
Clay	Material smaller than .005mm	3.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0250
D ₃₀ =	0.2500
D ₆₀ =	0.8500

Shape Parameters

Coefficient Of Uniformity, C _u	34.0
Coefficient Of Curvature, C _c	2.9

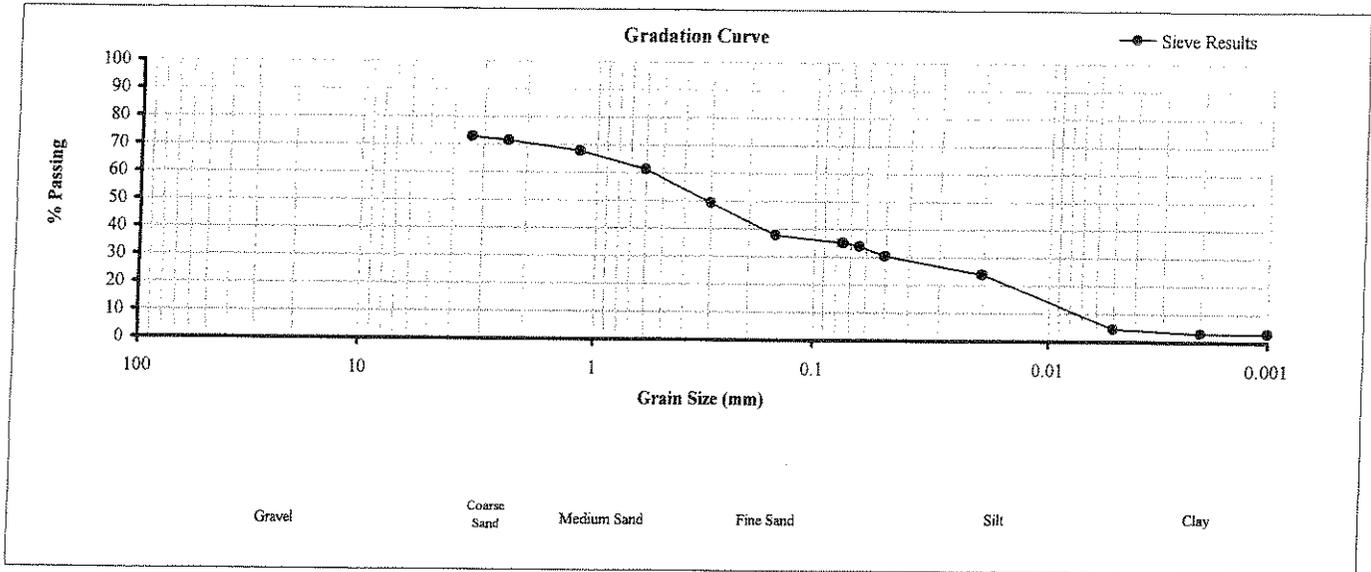
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Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	9-B (0-3)
Date:	4/13/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	25.7
Coarse to Fine Sand	4.75mm to 0.075mm	39.2
Silt	.075mm to .005mm	30.6
Clay	Material smaller than .005mm	4.5

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0075
D ₃₀ =	0.0480
D ₆₀ =	0.5900

Shape Parameters

Coefficient Of Uniformity, C _u	78.7
Coefficient Of Curvature, C _c	0.5

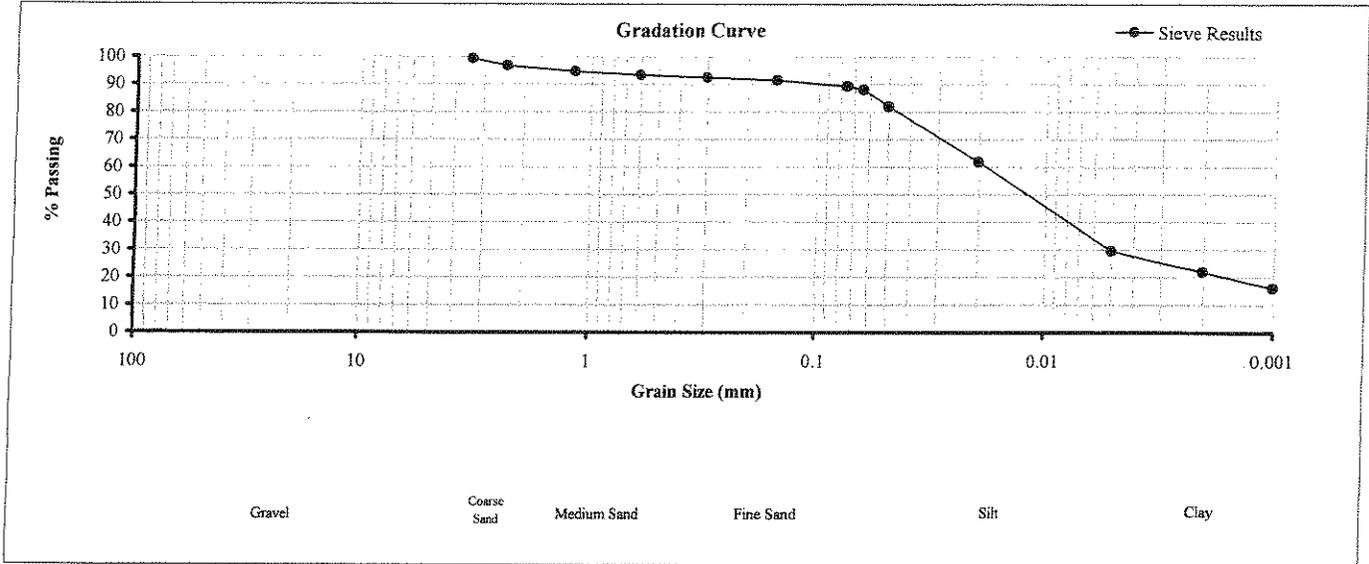
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Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	9II-C
Date:	4/13/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	0.0
Coarse to Fine Sand	4.75mm to 0.075mm	10.6
Silt	.075mm to .005mm	59.9
Clay	Material smaller than .005mm	29.5

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0000
D ₃₀ =	0.0050
D ₆₀ =	0.0190

Shape Parameters

Coefficient Of Uniformity, C _u	#DIV/0!
Coefficient Of Curvature, C _c	#DIV/0!

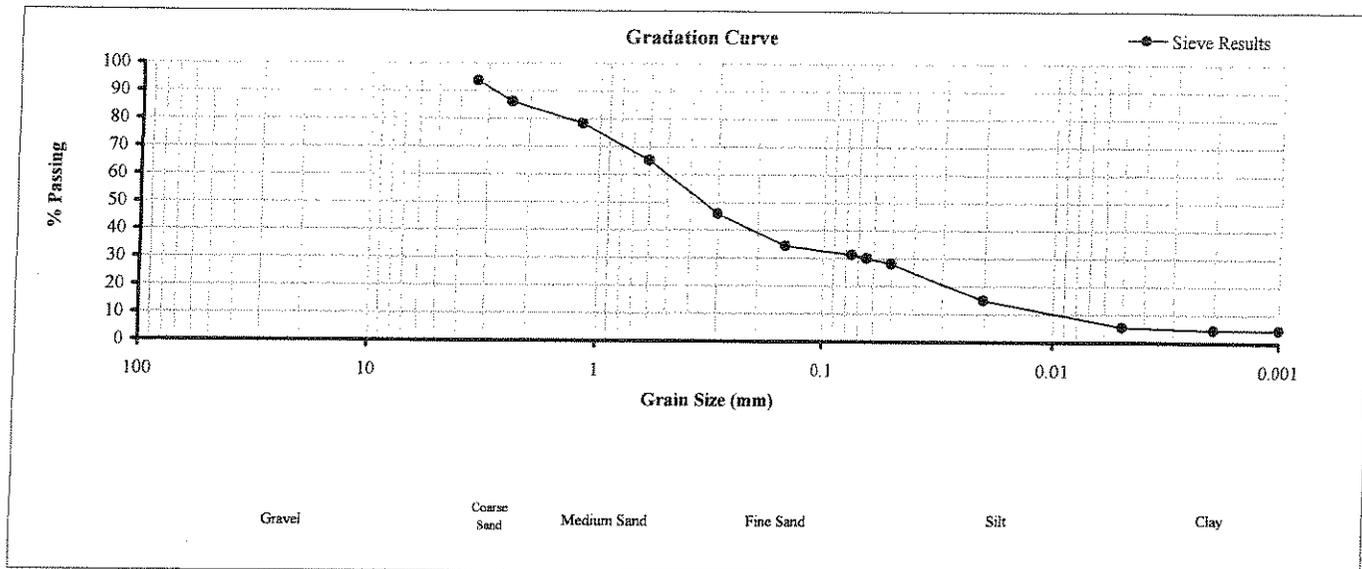
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Exton, Pennsylvania
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Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	10-A
Date:	4/13/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	3.0
Coarse to Fine Sand	4.75mm to 0.075mm	65.7
Silt	.075mm to .005mm	25.8
Clay	Material smaller than .005mm	5.5

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0095
D ₃₀ =	0.0650
D ₆₀ =	0.5000

Shape Parameters

Coefficient Of Uniformity, C _u	52.6
Coefficient Of Curvature, C _c	0.9

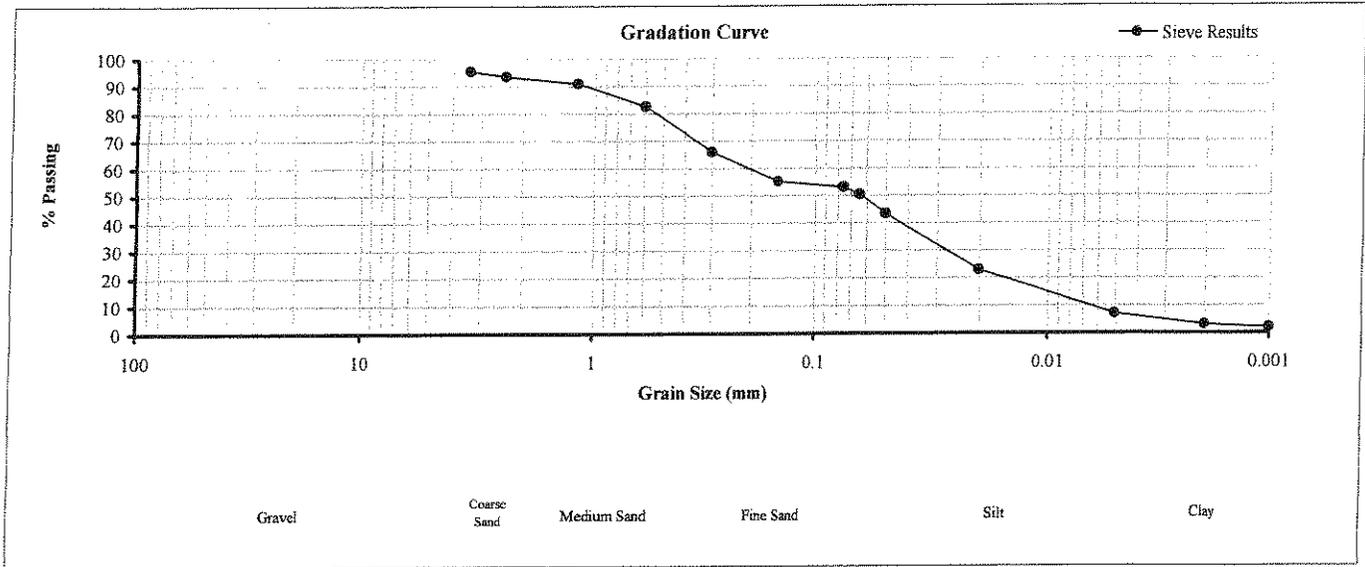
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Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	10-B (0-3)
Date:	4/13/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	2.1
Coarse to Fine Sand	4.75mm to 0.075mm	44.7
Silt	.075mm to .005mm	46.2
Clay	Material smaller than .005mm	7.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0070
D ₃₀ =	0.0290
D ₆₀ =	0.2100

Shape Parameters

Coefficient Of Uniformity, C _u	30.0
Coefficient Of Curvature, C _c	0.6

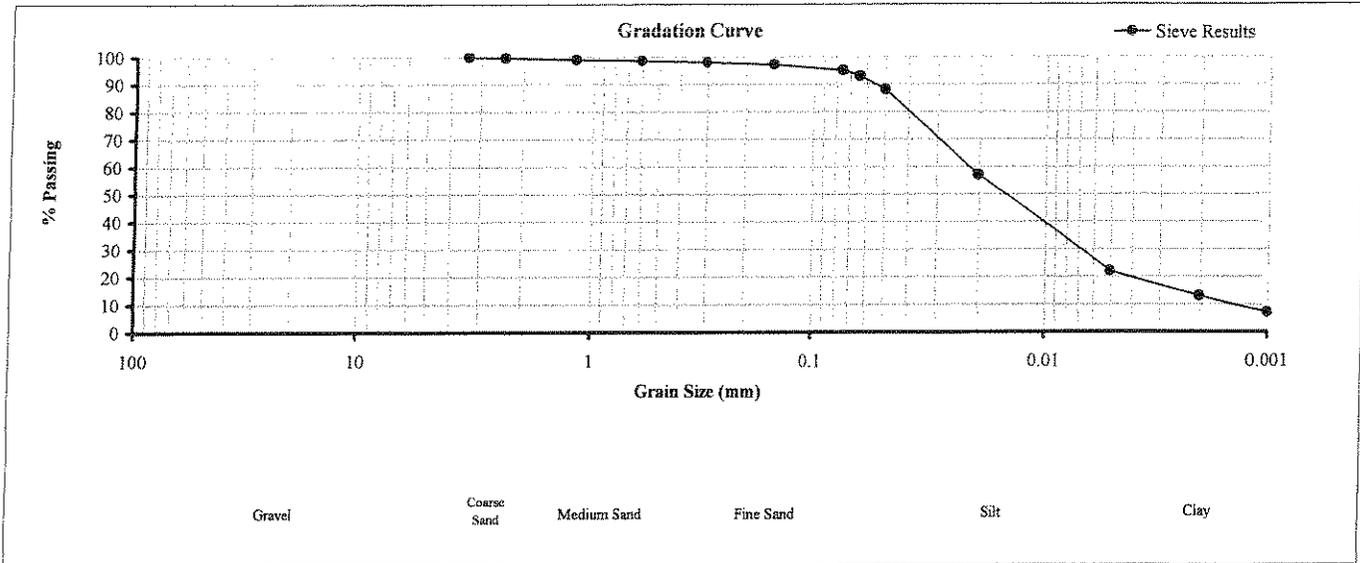
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19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	10II-C
Date:	4/13/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	0.0
Coarse to Fine Sand	4.75mm to 0.075mm	4.9
Silt	.075mm to .005mm	73.1
Clay	Material smaller than .005mm	22.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0016
D ₃₀ =	0.0070
D ₆₀ =	0.2300

Shape Parameters

Coefficient Of Uniformity, C _u	143.8
Coefficient Of Curvature, C _c	0.1

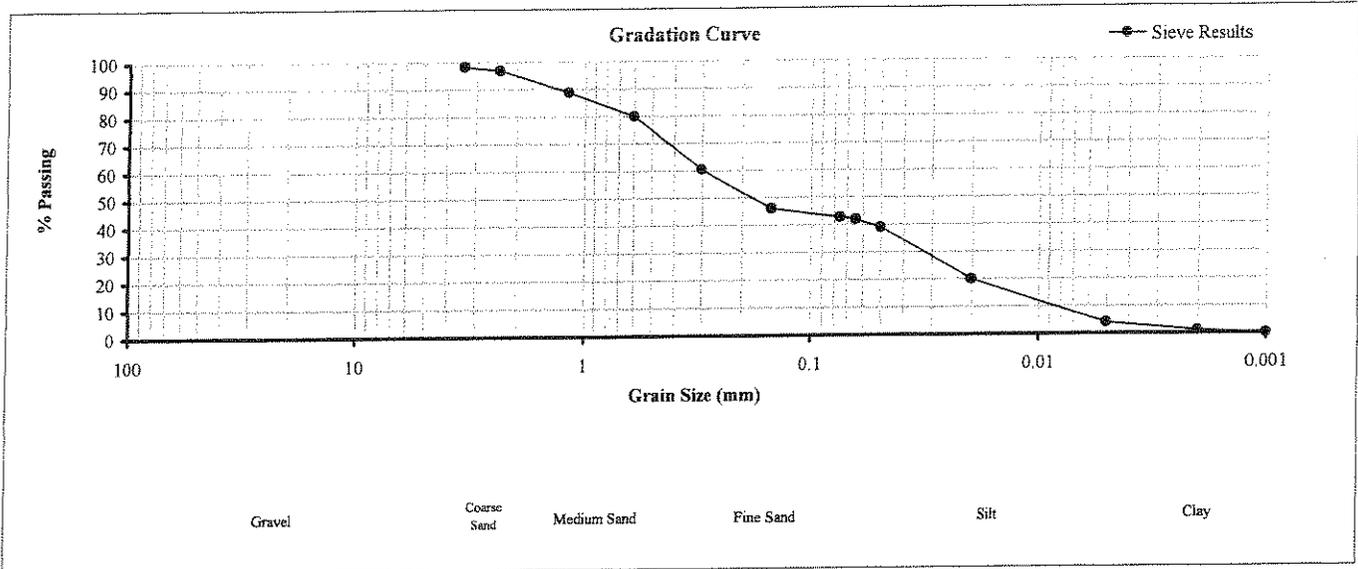
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Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	11-A
Date:	4/12/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	0.4
Coarse to Fine Sand	4.75mm to 0.075mm	56.7
Silt	.075mm to .005mm	38.9
Clay	Material smaller than .005mm	4.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0090
D ₃₀ =	0.0330
D ₆₀ =	0.3000

Shape Parameters

Coefficient Of Uniformity, C _u	33.3
Coefficient Of Curvature, C _c	0.4

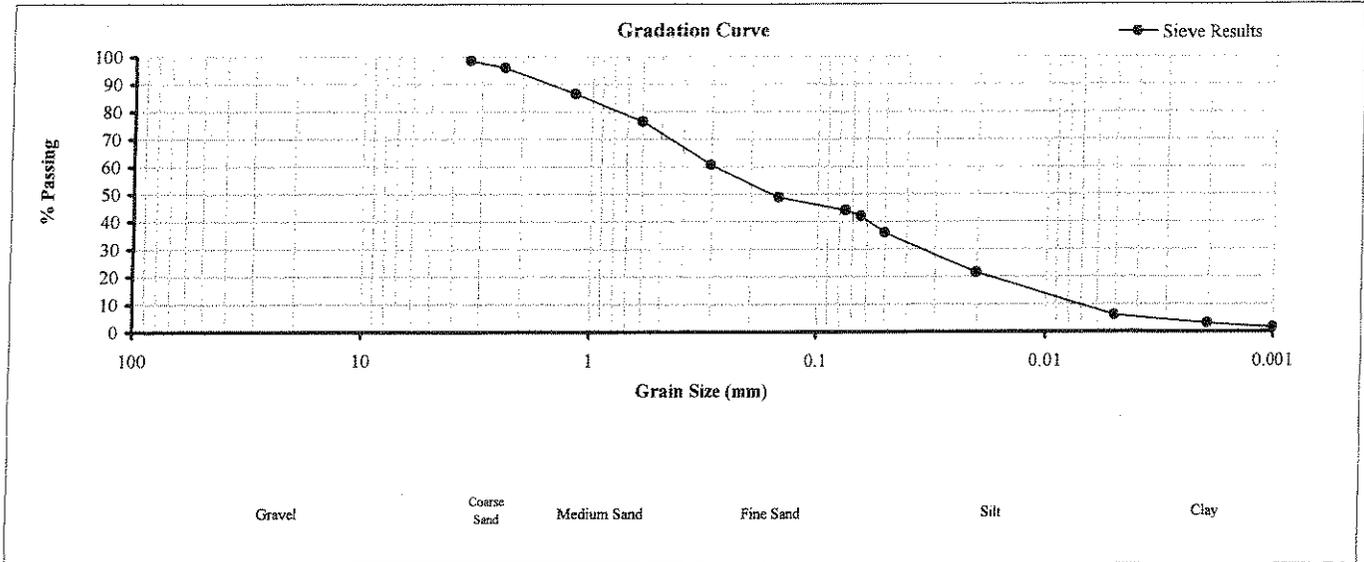
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19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	11-B (0-3)
Date:	4/12/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	0.4
Coarse to Fine Sand	4.75mm to 0.075mm	55.4
Silt	.075mm to .005mm	38.2
Clay	Material smaller than .005mm	6.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0070
D ₃₀ =	0.0350
D ₆₀ =	0.3000

Shape Parameters

Coefficient Of Uniformity, C _u	42.9
Coefficient Of Curvature, C _c	0.6

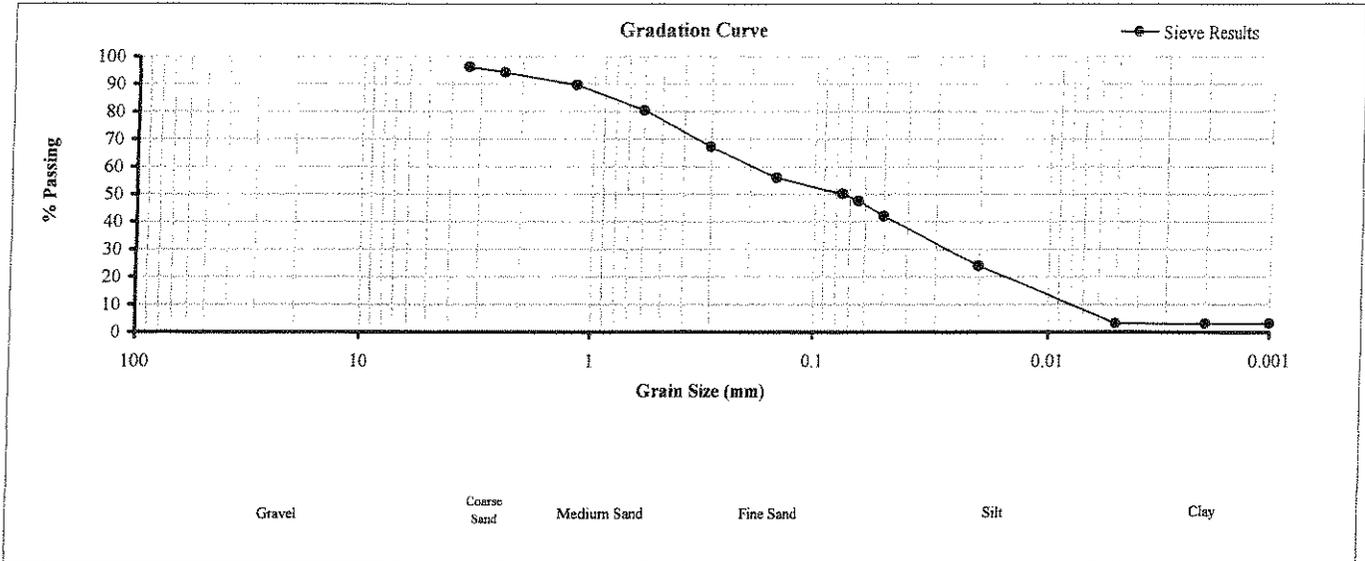
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Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	12-A
Date:	4/12/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	2.6
Coarse to Fine Sand	4.75mm to 0.075mm	47.3
Silt	.075mm to .005mm	47.1
Clay	Material smaller than .005mm	3.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0080
D ₃₀ =	0.0290
D ₆₀ =	0.2000

Shape Parameters

Coefficient Of Uniformity, C _u	25.0
Coefficient Of Curvature, C _c	0.5

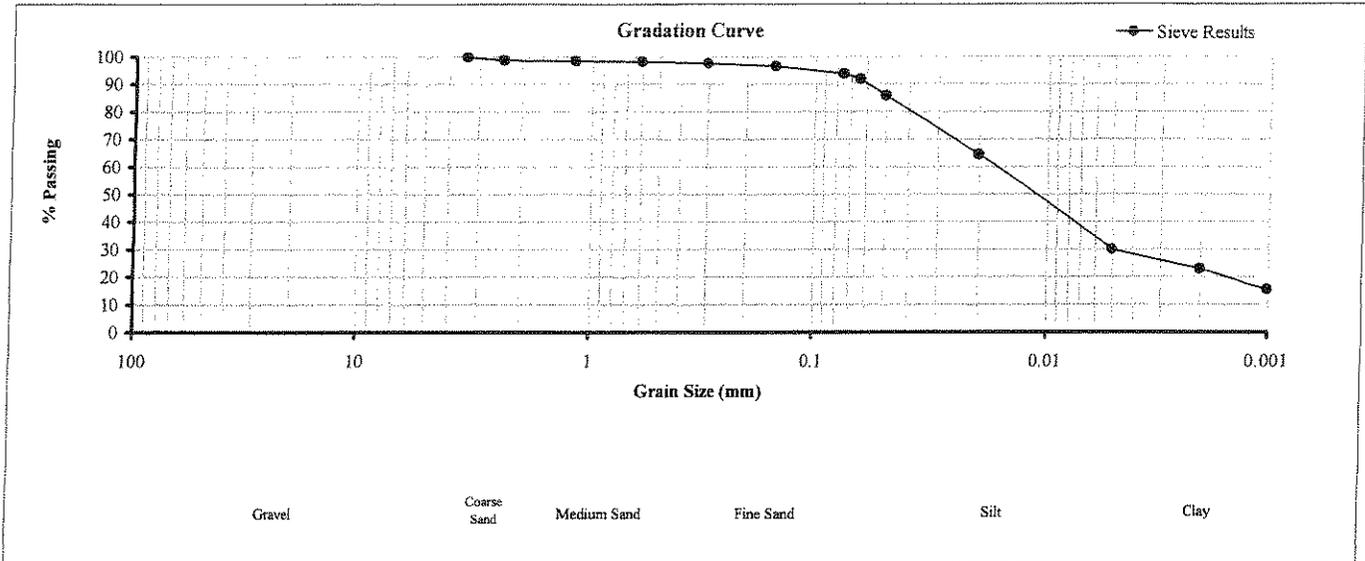
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19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	12-C
Date:	4/12/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	0.0
Coarse to Fine Sand	4.75mm to 0.075mm	6.1
Silt	.075mm to .005mm	63.9
Clay	Material smaller than .005mm	30.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0000
D ₃₀ =	0.0050
D ₆₀ =	0.0180

Shape Parameters

Coefficient Of Uniformity, C _u	#DIV/0!
Coefficient Of Curvature, C _c	#DIV/0!

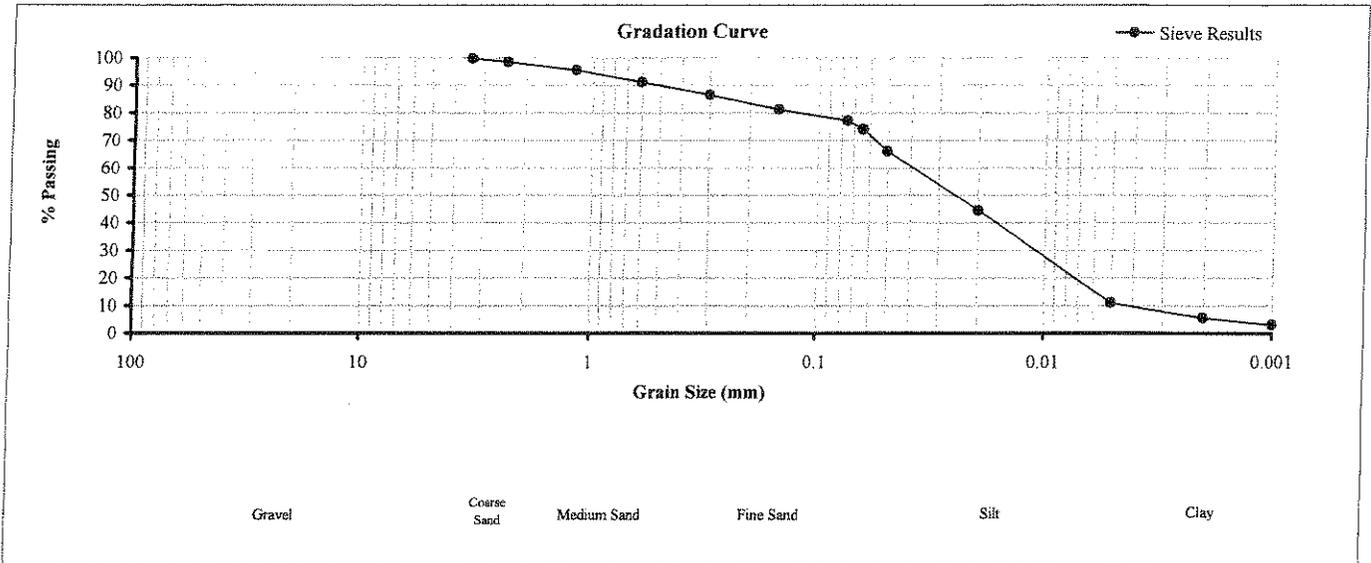
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19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	13-A
Date:	4/12/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	0.0
Coarse to Fine Sand	4.75mm to 0.075mm	22.8
Silt	.075mm to .005mm	66.2
Clay	Material smaller than .005mm	11.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0045
D ₃₀ =	0.0120
D ₆₀ =	0.0400

Shape Parameters

Coefficient Of Uniformity, C _u	8.9
Coefficient Of Curvature, C _c	0.8

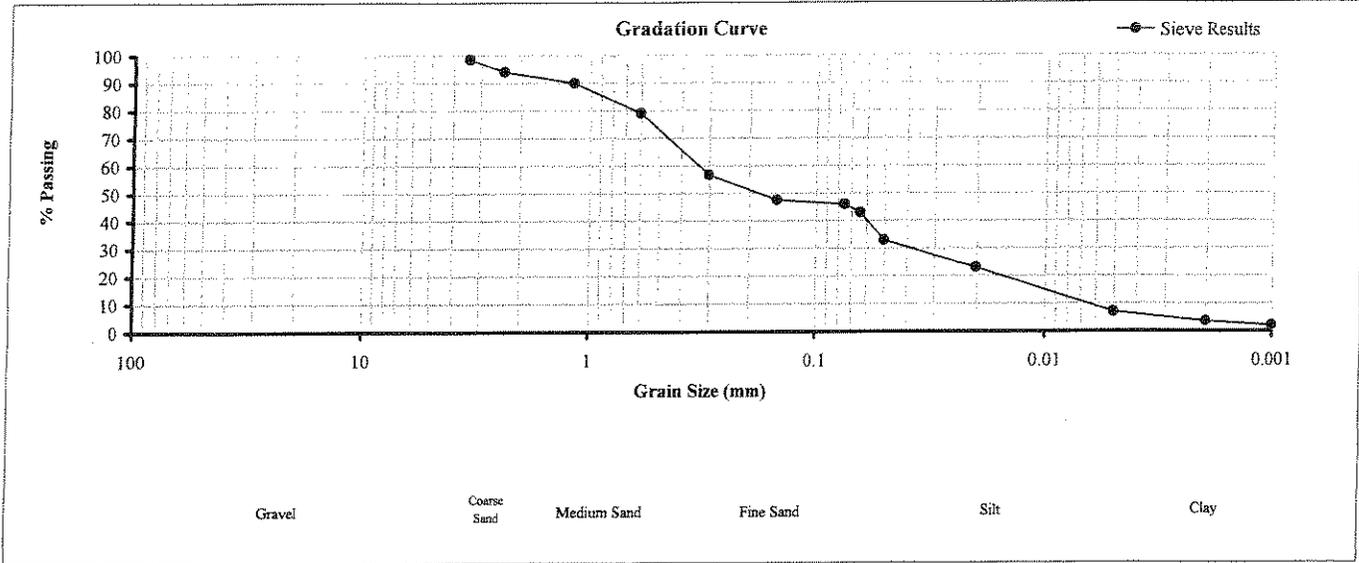
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International Incorporated

102 Pickering Way, Suite 200
Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	13-B (0-3)
Date:	4/12/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	1.0
Coarse to Fine Sand	4.75mm to 0.075mm	53.0
Silt	.075mm to .005mm	39.0
Clay	Material smaller than .005mm	7.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0070
D ₃₀ =	0.0400
D ₆₀ =	0.3400

Shape Parameters

Coefficient Of Uniformity, C _u	48.6
Coefficient Of Curvature, C _c	0.7

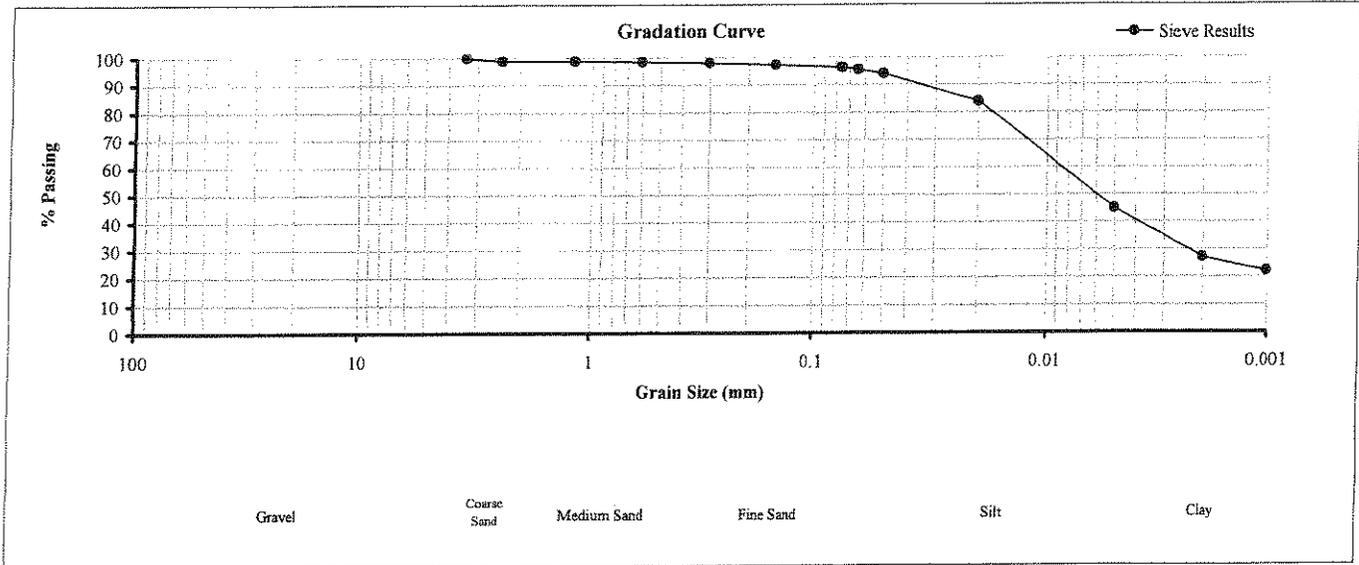
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102 Pickering Way, Suite 200
Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	13-C
Date:	4/12/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	0.0
Coarse to Fine Sand	4.75mm to 0.075mm	3.6
Silt	.075mm to .005mm	51.4
Clay	Material smaller than .005mm	45.0

Diameters Corresponding To % Passing (mm)	
D_{10} =	0.0000
D_{30} =	0.0024
D_{60} =	0.0085

Shape Parameters

Coefficient Of Uniformity, C_u	#DIV/0!
Coefficient Of Curvature, C_c	#DIV/0!

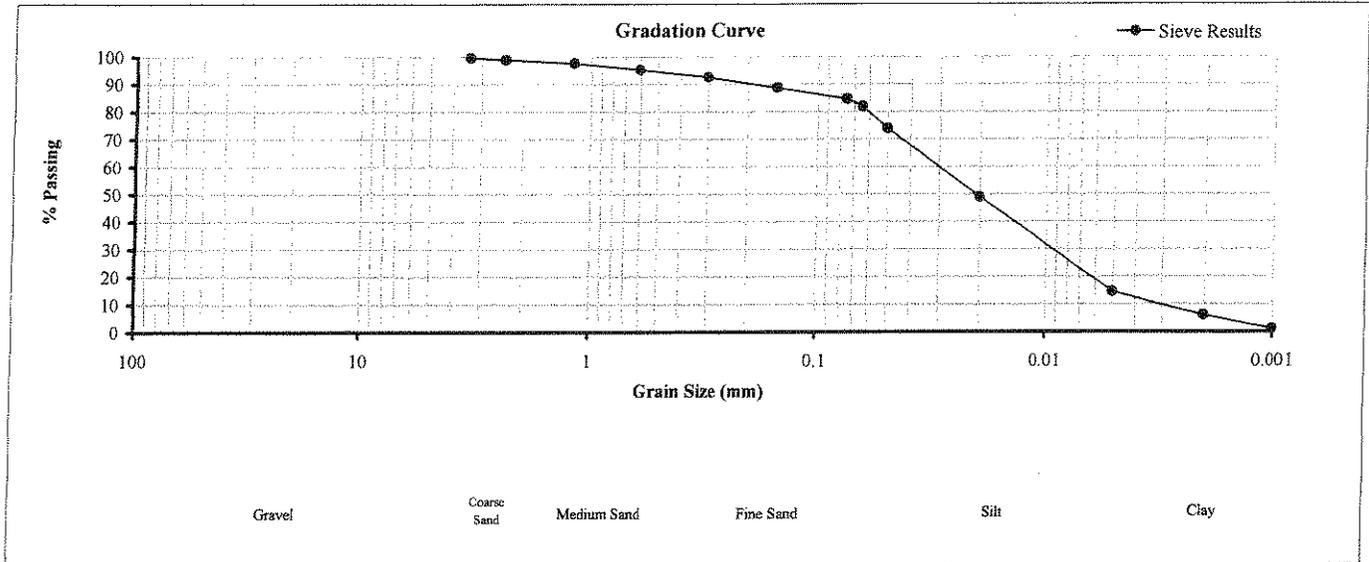
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102 Pickering Way, Suite 200
Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	14-A
Date:	4/11/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	0.1
Coarse to Fine Sand	4.75mm to 0.075mm	15.2
Silt	.075mm to .005mm	70.2
Clay	Material smaller than .005mm	14.5

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0030
D ₃₀ =	0.0095
D ₆₀ =	0.0300

Shape Parameters

Coefficient Of Uniformity, C _u	10.0
Coefficient Of Curvature, C _c	1.0

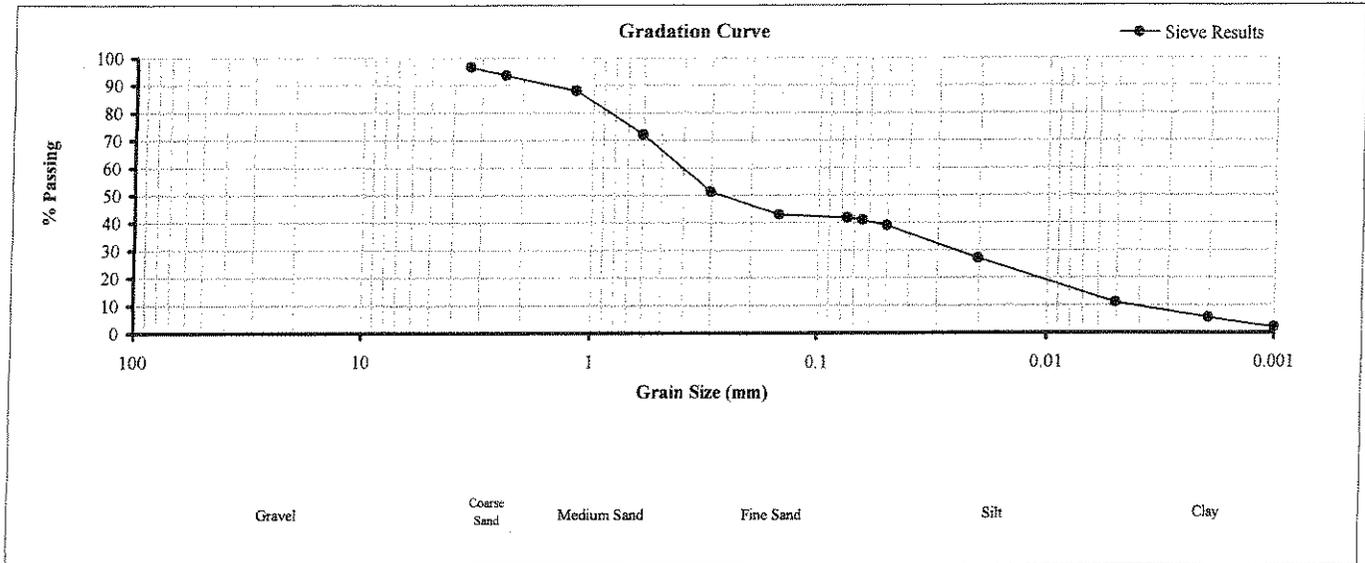
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102 Pickering Way, Suite 200
Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	14-B (0-3)
Date:	4/11/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	1.5
Coarse to Fine Sand	4.75mm to 0.075mm	56.7
Silt	.075mm to .005mm	30.8
Clay	Material smaller than .005mm	11.0

Diameters Corresponding To % Passing (mm)

D_{10} =	0.0042
D_{30} =	0.0250
D_{60} =	0.4

Shape Parameters

Coefficient Of Uniformity, C_u	95.2
Coefficient Of Curvature, C_c	0.4

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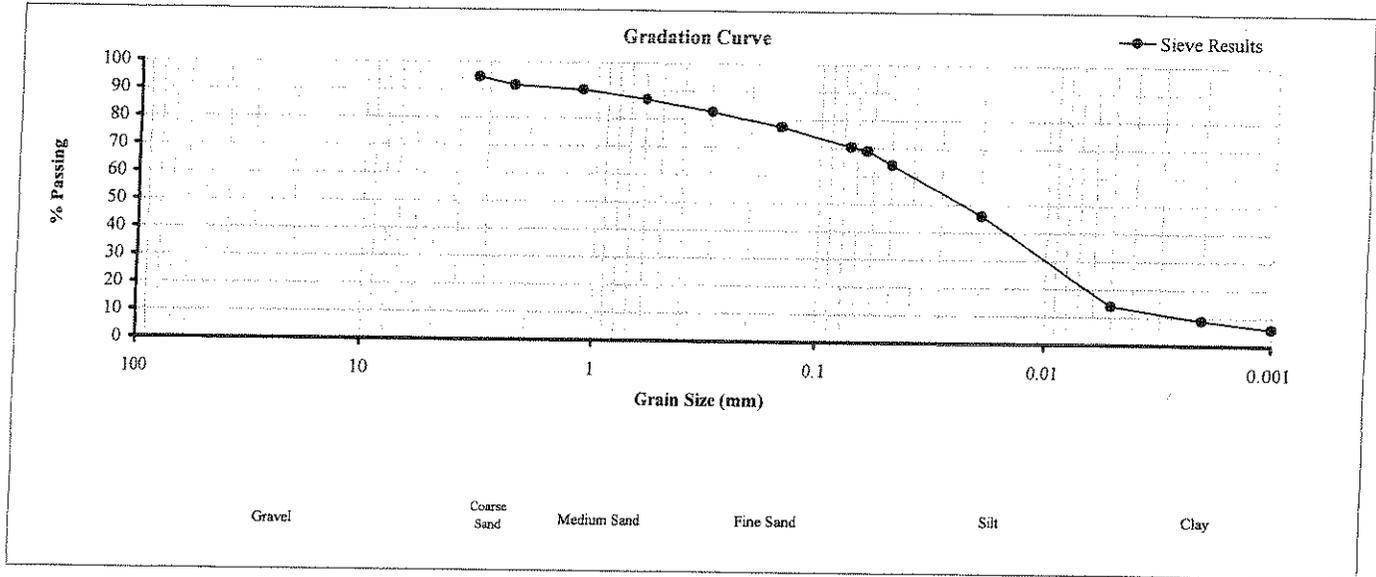
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102 Pickering Way, Suite 200
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 19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	WDT-1-A
Date:	8/17/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	4.1
Coarse to Fine Sand	4.75mm to 0.075mm	25.5
Silt	.075mm to .005mm	56.4
Clay	Material smaller than .005mm	14.0

Diameters Corresponding To % Passing (mm)	
D_{10} =	0.0025
D_{30} =	0.0110
D_{60} =	0.0410

Shape Parameters

Coefficient Of Uniformity, C_u	16.4
Coefficient Of Curvature, C_c	1.2

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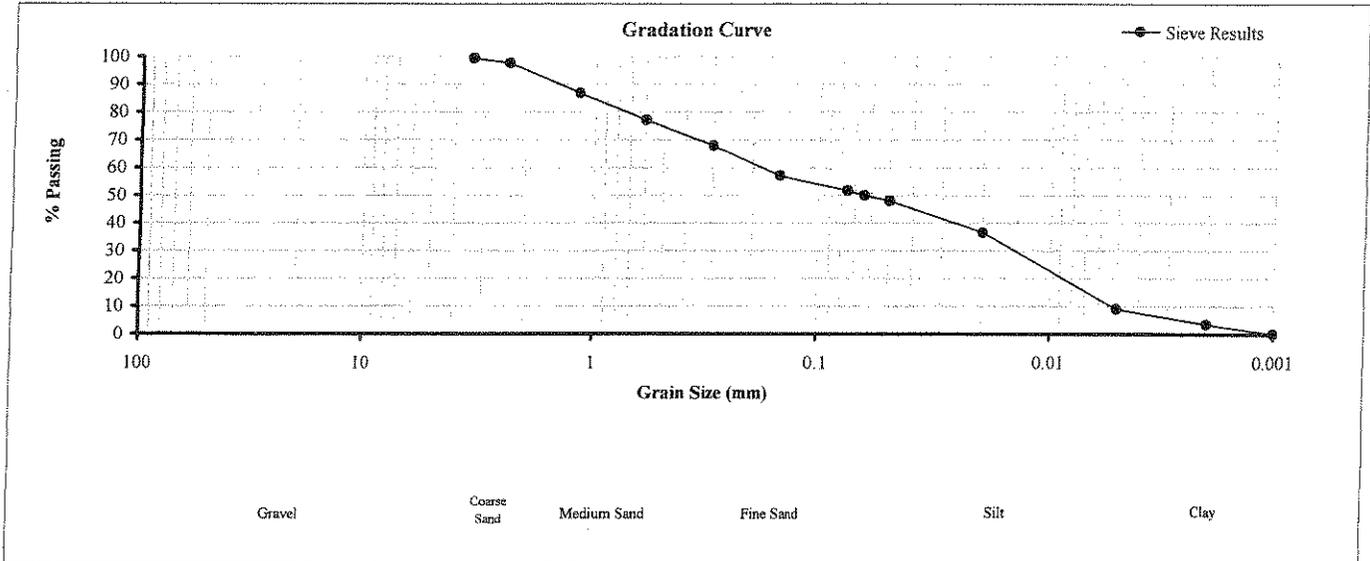
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102 Pickering Way, Suite 200
Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	WDT-1-B(0-3)
Date:	8/17/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	0.4
Coarse to Fine Sand	4.75mm to 0.075mm	47.9
Silt	.075mm to .005mm	42.7
Clay	Material smaller than .005mm	9.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0054
D ₃₀ =	0.0160
D ₆₀ =	0.1900

Shape Parameters

Coefficient Of Uniformity, C _u	35.2
Coefficient Of Curvature, C _c	0.2

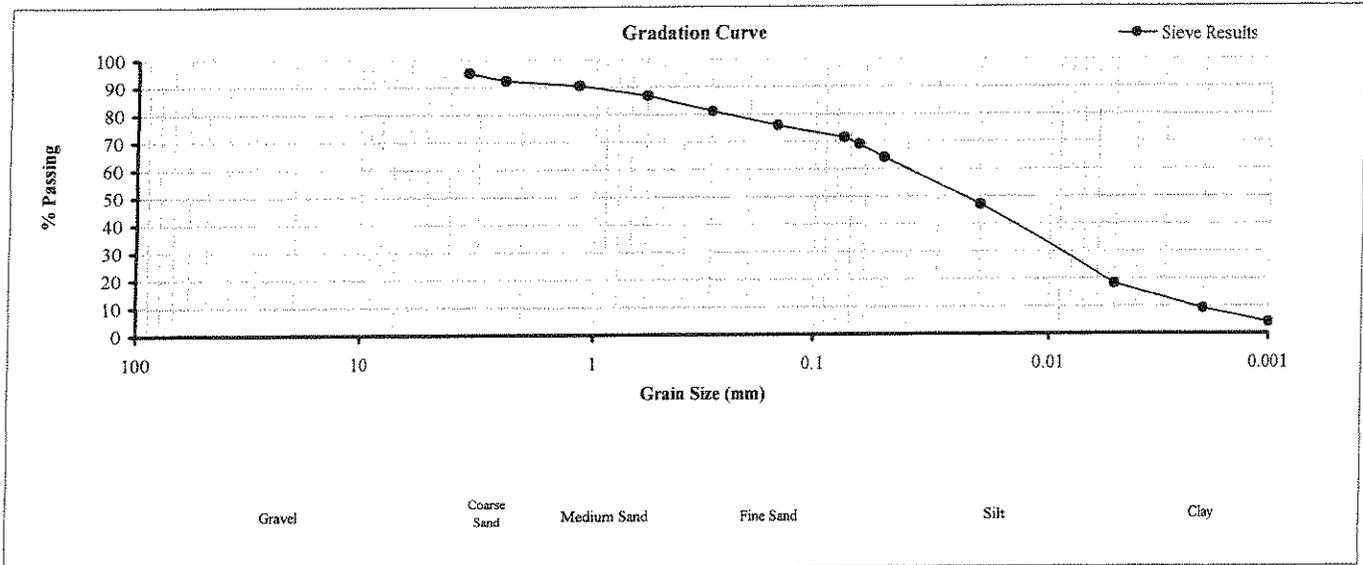
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102 Pickering Way, Suite 200
Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	WDT-2-B(0-3)
Date:	4/28/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	0.0
Coarse to Fine Sand	4.75mm to 0.075mm	28.6
Silt	.075mm to .005mm	53.4
Clay	Material smaller than .005mm	18.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0022
D ₃₀ =	0.0090
D ₆₀ =	0.0400

Shape Parameters

Coefficient Of Uniformity, C _u	18.2
Coefficient Of Curvature, C _c	0.9

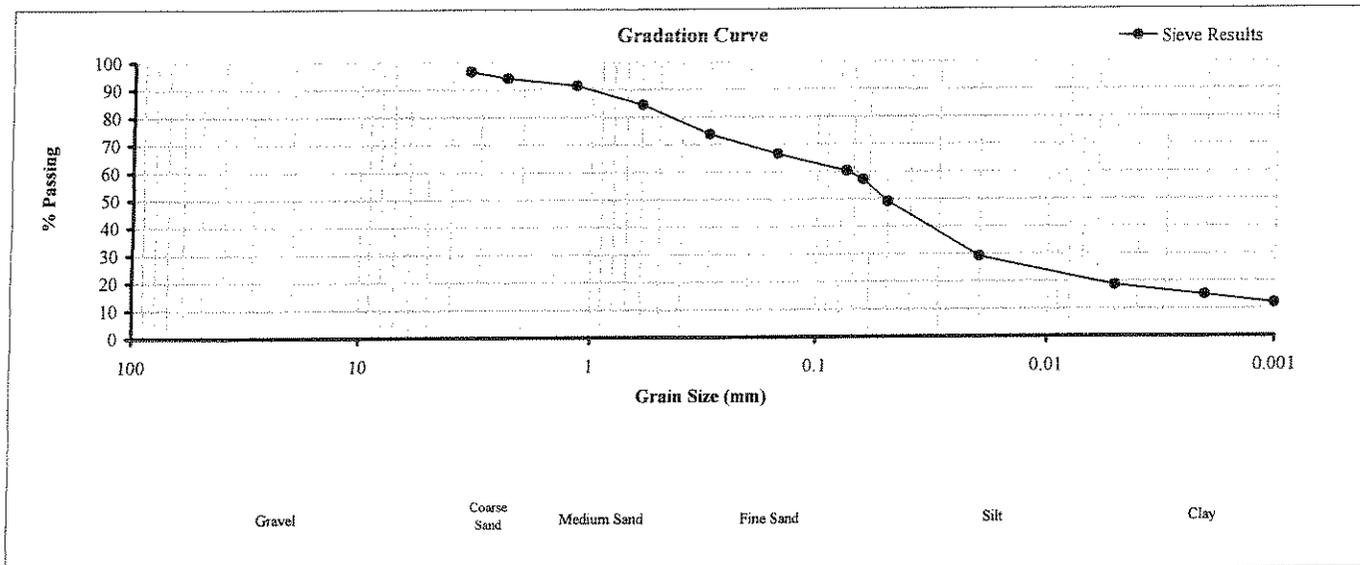
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102 Pickering Way, Suite 200
Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	WDT-2-C
Date:	4/28/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	2.1
Coarse to Fine Sand	4.75mm to 0.075mm	37.7
Silt	.075mm to .005mm	41.7
Clay	Material smaller than .005mm	18.5

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0000
D ₃₀ =	0.0210
D ₆₀ =	0.0750

Shape Parameters

Coefficient Of Uniformity, C _u	#DIV/0!
Coefficient Of Curvature, C _c	#DIV/0!

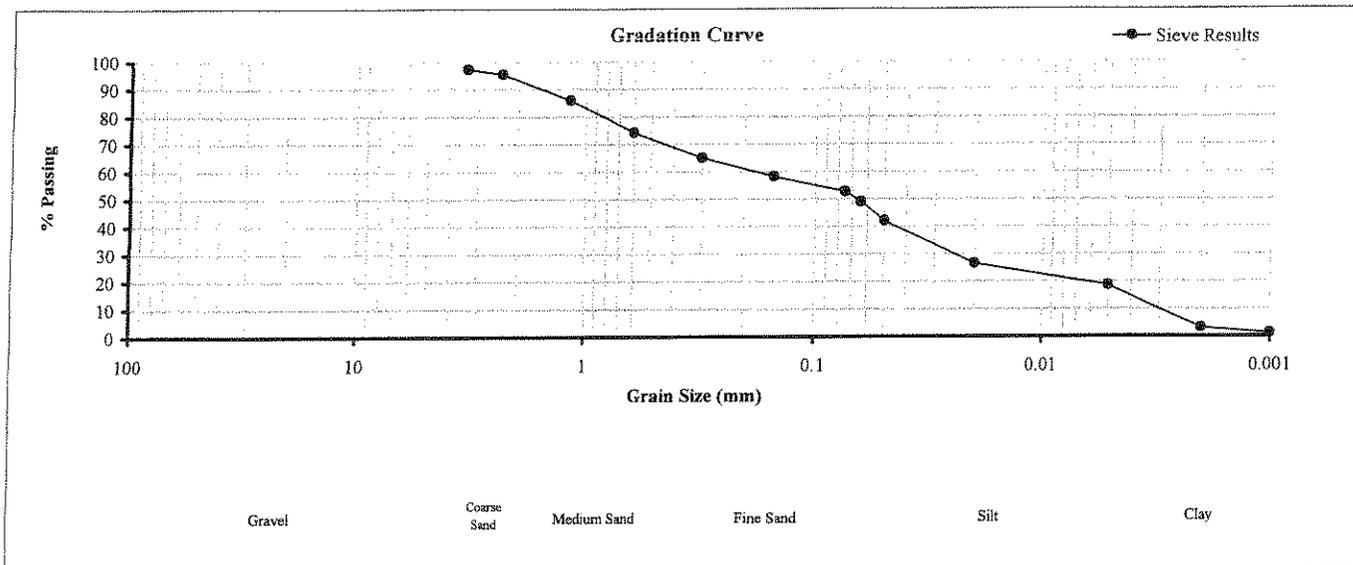
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102 Pickering Way, Suite 200
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Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	WDT-3-B(0-3)
Date:	4/28/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	1.2
Coarse to Fine Sand	4.75mm to 0.075mm	46.1
Silt	.075mm to .005mm	34.2
Clay	Material smaller than .005mm	18.5

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0030
D ₃₀ =	0.0250
D ₆₀ =	0.1900

Shape Parameters

Coefficient Of Uniformity, C _u	63.3
Coefficient Of Curvature, C _c	1.1

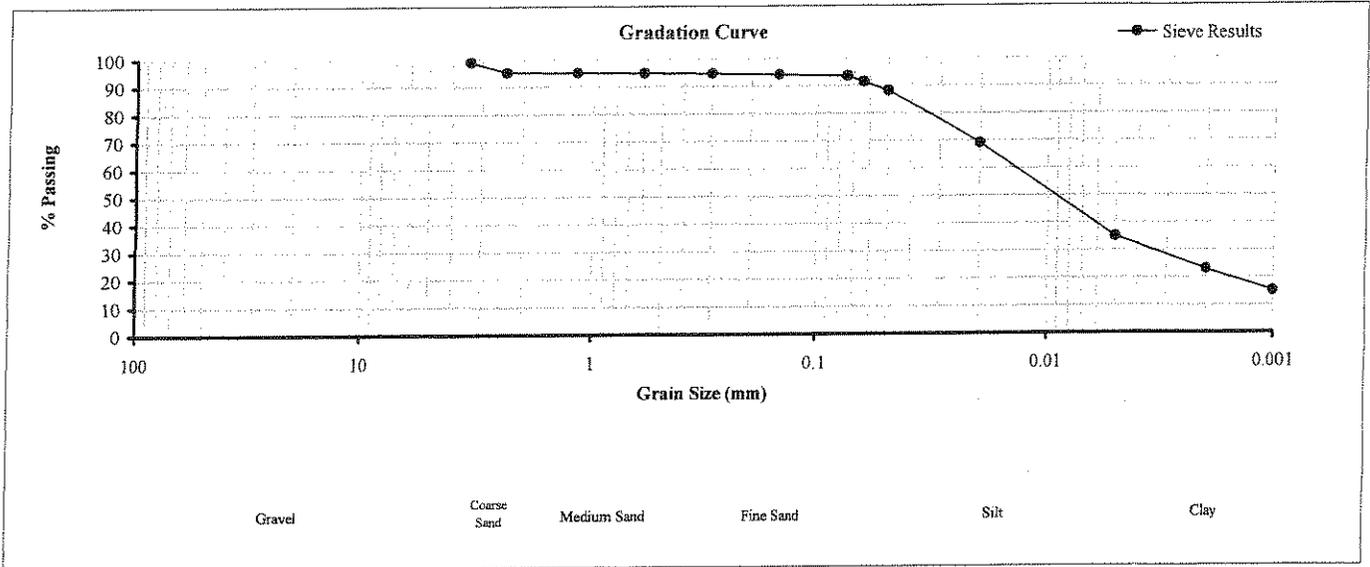
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19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	WDT-3-C
Date:	4/28/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	0.0
Coarse to Fine Sand	4.75mm to 0.075mm	6.4
Silt	.075mm to .005mm	58.6
Clay	Material smaller than .005mm	35.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0000
D ₃₀ =	0.0035
D ₆₀ =	0.0150

Shape Parameters

Coefficient Of Uniformity, C _u	#DIV/0!
Coefficient Of Curvature, C _c	#DIV/0!

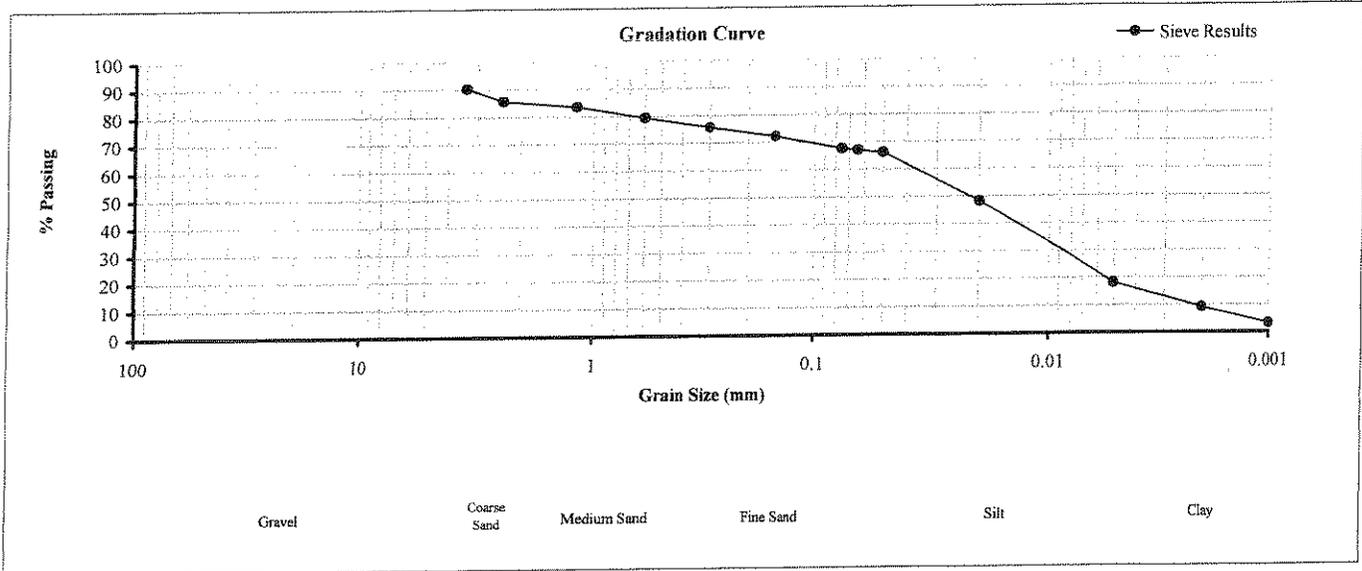
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Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	WDT-4-A
Date:	4/28/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	7.2
Coarse to Fine Sand	4.75mm to 0.075mm	25.2
Silt	.075mm to .005mm	49.6
Clay	Material smaller than .005mm	18.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0023
D ₃₀ =	0.0089
D ₆₀ =	0.0390

Shape Parameters

Coefficient Of Uniformity, C _u	17.0
Coefficient Of Curvature, C _c	0.9

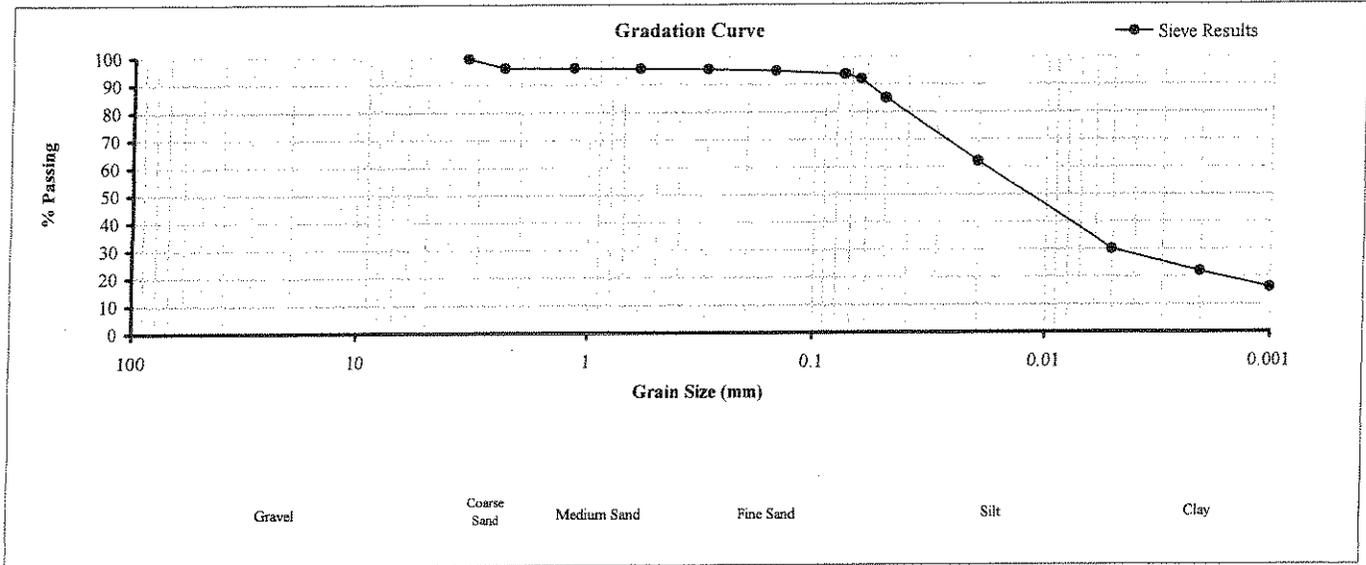
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Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	WDT-4-C
Date:	4/28/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	0.0
Coarse to Fine Sand	4.75mm to 0.075mm	6.3
Silt	.075mm to .005mm	63.7
Clay	Material smaller than .005mm	30.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0000
D ₃₀ =	0.0050
D ₆₀ =	0.0190

Shape Parameters

Coefficient Of Uniformity, C _u	#DIV/0!
Coefficient Of Curvature, C _c	#DIV/0!

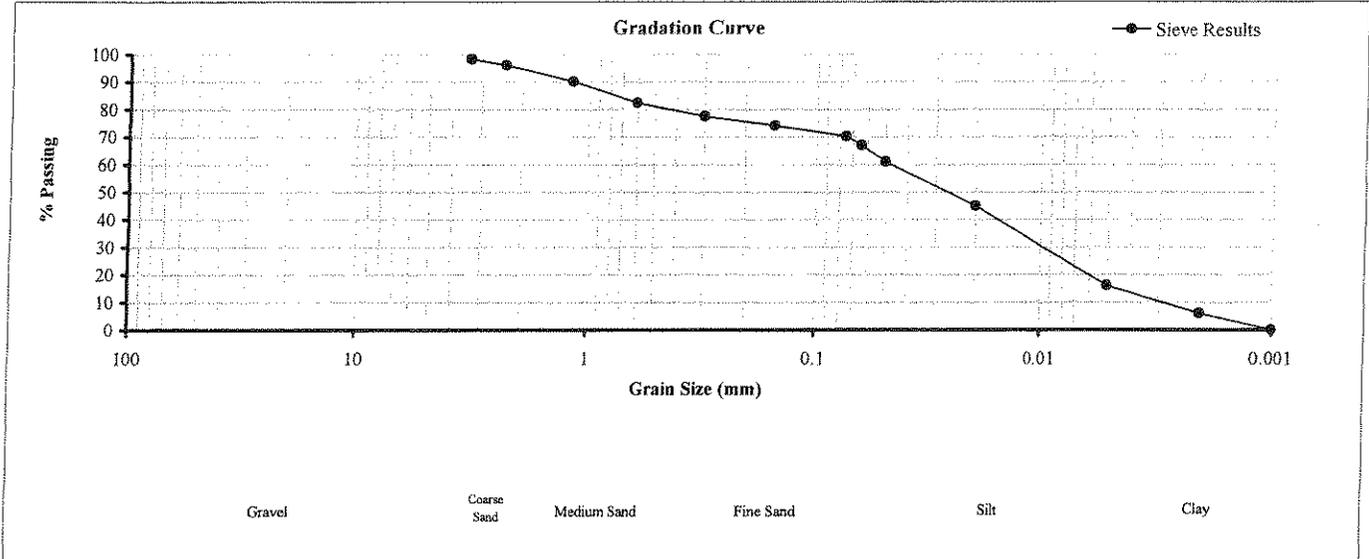
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102 Pickering Way, Suite 200
Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	WDT-4-B(0-3)
Date:	4/28/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	0.5
Coarse to Fine Sand	4.75mm to 0.075mm	29.2
Silt	.075mm to .005mm	54.3
Clay	Material smaller than .005mm	16.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0029
D ₃₀ =	0.0100
D ₆₀ =	0.0490

Shape Parameters

Coefficient Of Uniformity, C _u	16.9
Coefficient Of Curvature, C _c	0.7

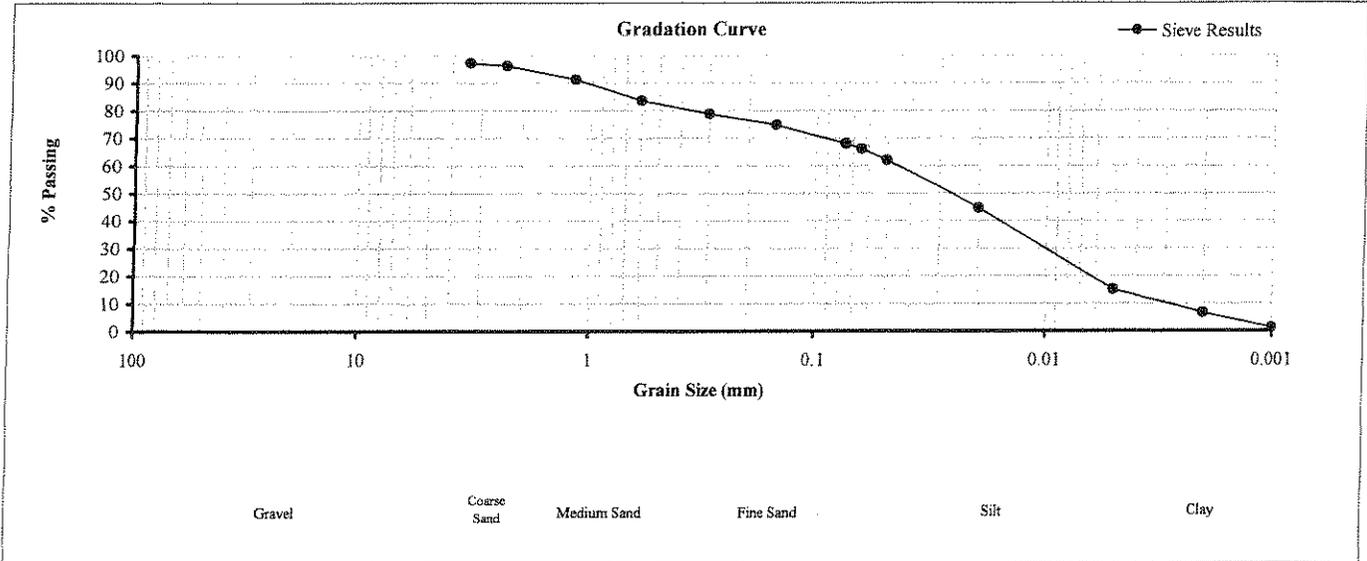
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102 Pickering Way, Suite 200
Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	WDT-5-A
Date:	4/26/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	2.1
Coarse to Fine Sand	4.75mm to 0.075mm	30.0
Silt	.075mm to .005mm	52.9
Clay	Material smaller than .005mm	15.0

Diameters Corresponding To % Passing (mm)	
D_{10} =	0.0030
D_{30} =	0.0110
D_{60} =	0.0480

Shape Parameters

Coefficient Of Uniformity, C_u	16.0
Coefficient Of Curvature, C_c	0.8

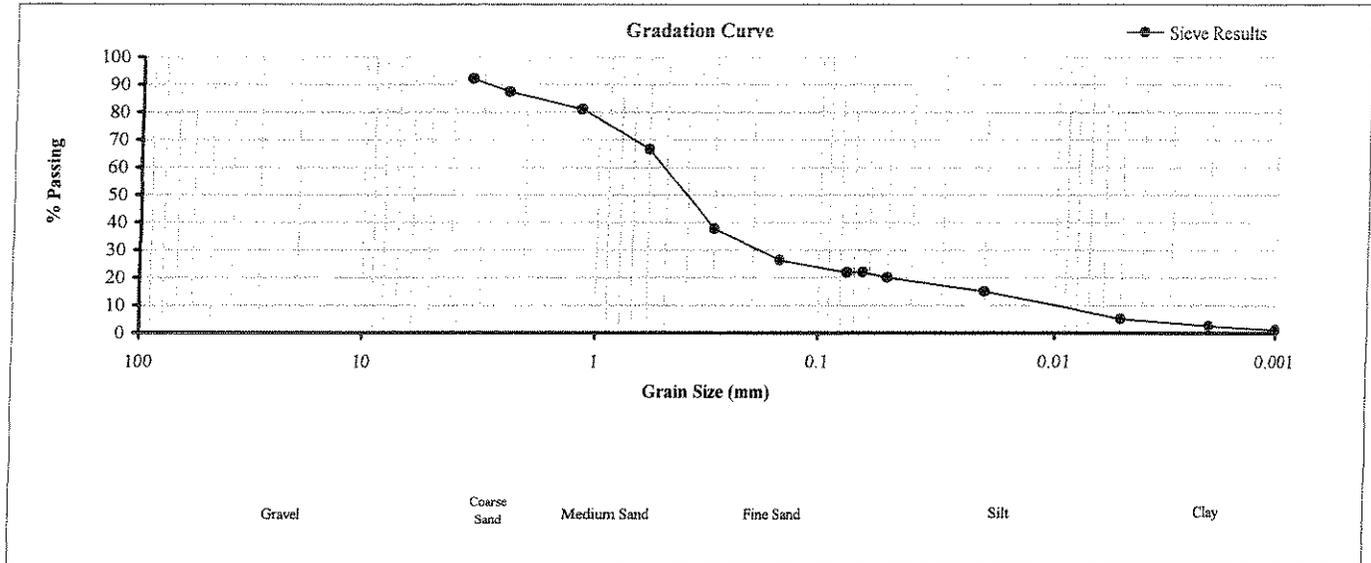
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102 Pickering Way, Suite 200
Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	WDT-5-B(0-3)
Date:	4/26/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



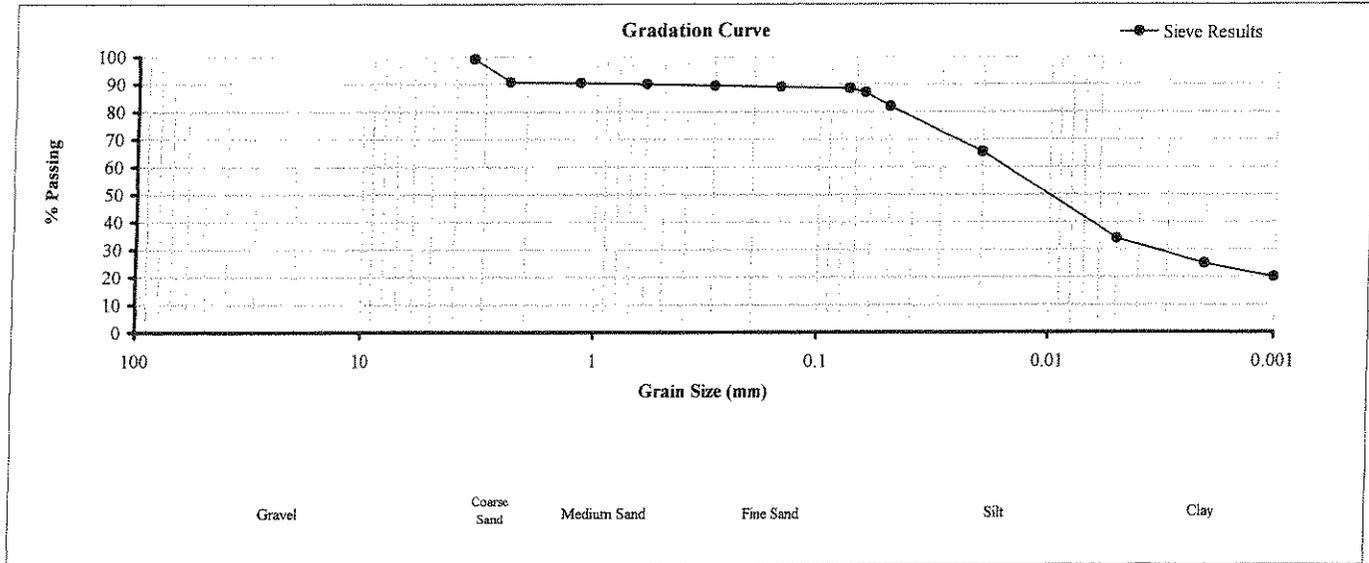
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102 Pickering Way, Suite 200
Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	WDT-5-C
Date:	4/26/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	0.0
Coarse to Fine Sand	4.75mm to 0.075mm	11.5
Silt	.075mm to .005mm	54.5
Clay	Material smaller than .005mm	34.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0000
D ₃₀ =	0.0035
D ₆₀ =	0.0170

Shape Parameters

Coefficient Of Uniformity, C _u	#DIV/0!
Coefficient Of Curvature, C _c	#DIV/0!

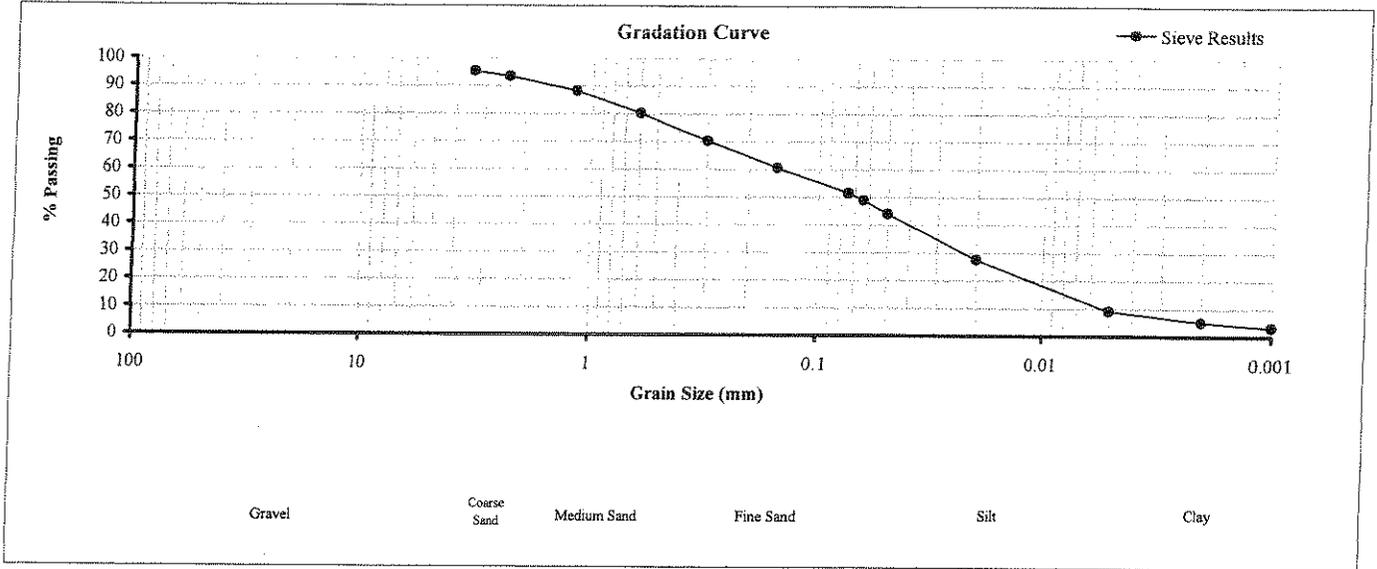
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Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	WDT-6-B(0-3)
Date:	4/26/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	2.8
Coarse to Fine Sand	4.75mm to 0.075mm	45.7
Silt	.075mm to .005mm	42.5
Clay	Material smaller than .005mm	9.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0055
D ₃₀ =	0.0240
D ₆₀ =	0.1600

Shape Parameters

Coefficient Of Uniformity, C _u	29.1
Coefficient Of Curvature, C _c	0.7

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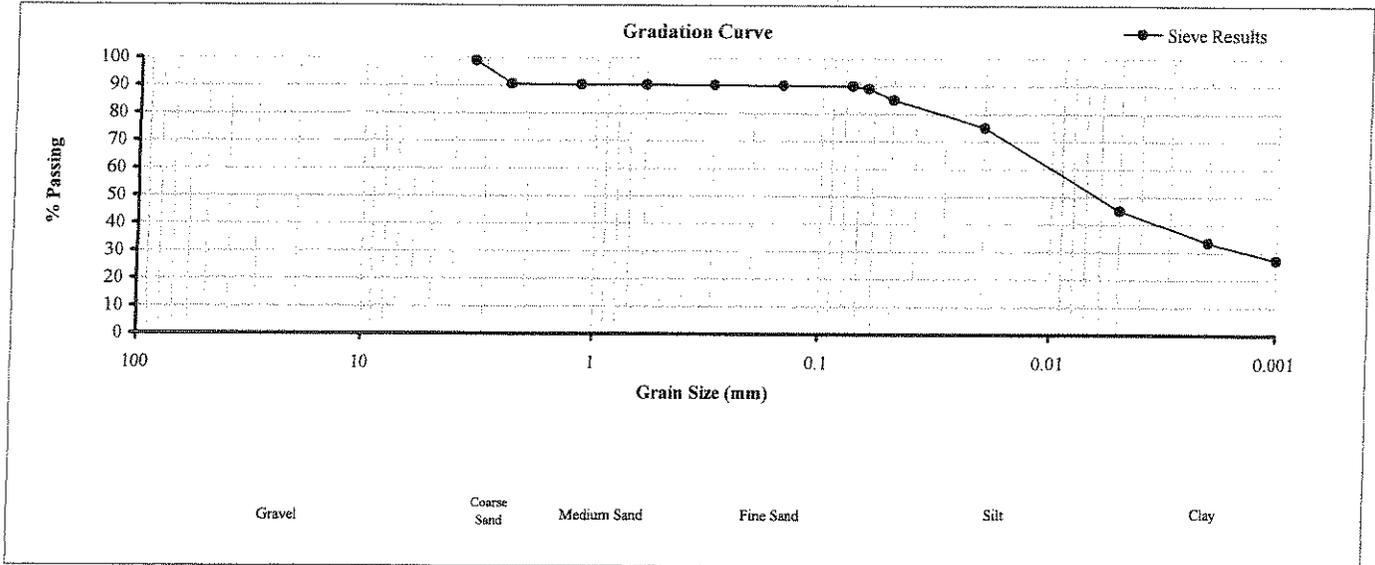
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Exton, Pennsylvania
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Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	WDT-6-C
Date:	4/26/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	0.0
Coarse to Fine Sand	4.75mm to 0.075mm	10.1
Silt	.075mm to .005mm	44.9
Clay	Material smaller than .005mm	45.0

Diameters Corresponding To % Passing (mm)	
D_{10} =	0.0000
D_{30} =	0.0015
D_{60} =	0.0100

Shape Parameters

Coefficient Of Uniformity, C_u	#DIV/0!
Coefficient Of Curvature, C_c	#DIV/0!

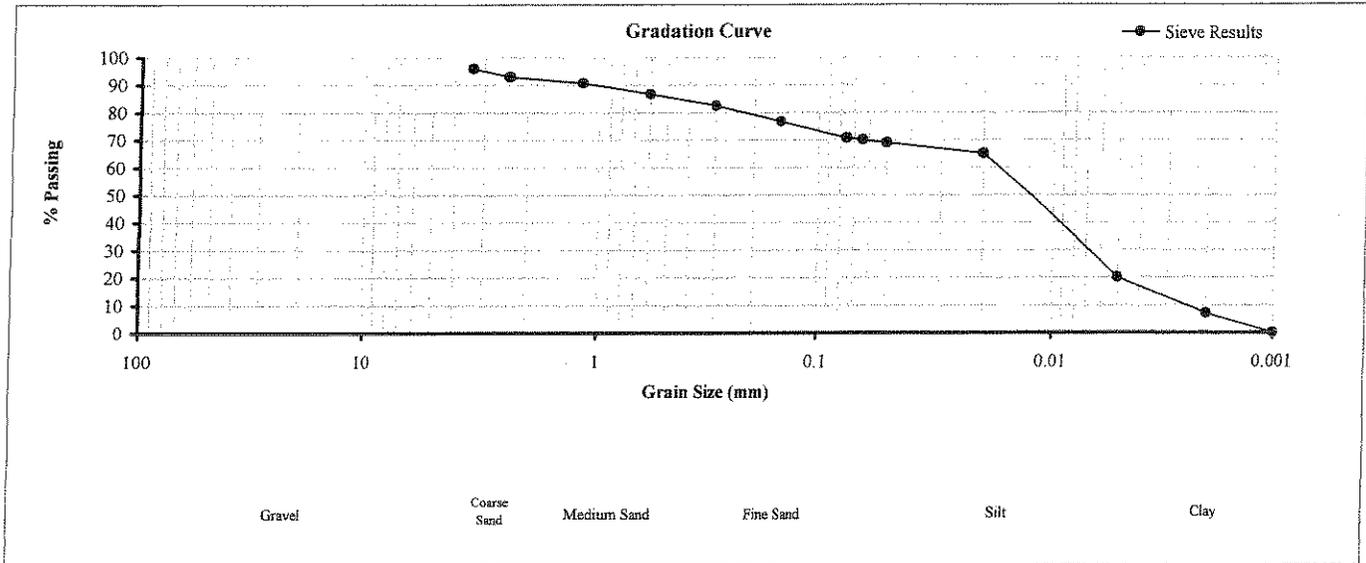
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102 Pickering Way, Suite 200
Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	WDT-7-B(0-3)
Date:	4/26/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	2.0
Coarse to Fine Sand	4.75mm to 0.075mm	27.3
Silt	.075mm to .005mm	50.7
Clay	Material smaller than .005mm	20.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0025
D ₃₀ =	0.0070
D ₆₀ =	0.0185

Shape Parameters

Coefficient Of Uniformity, C _u	7.4
Coefficient Of Curvature, C _c	1.1

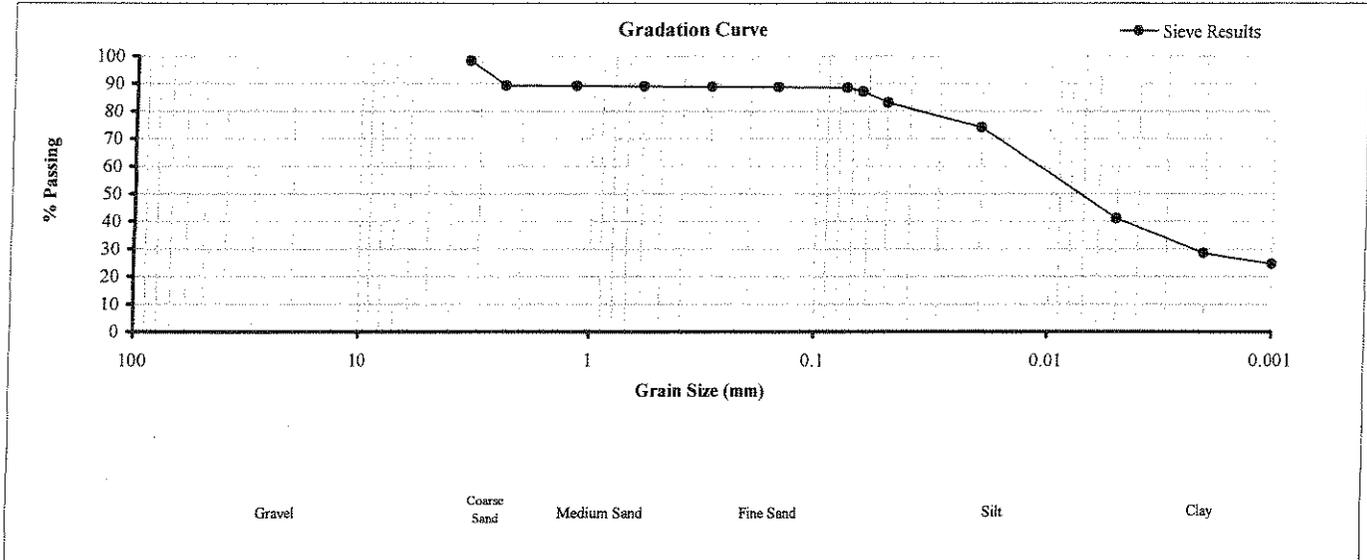
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Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	WDT-7-C
Date:	4/26/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	0.2
Coarse to Fine Sand	4.75mm to 0.075mm	11.4
Silt	0.075mm to .005mm	47.4
Clay	Material smaller than .005mm	41.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0000
D ₃₀ =	0.0023
D ₆₀ =	0.0120

Shape Parameters

Coefficient Of Uniformity, C _u	#DIV/0!
Coefficient Of Curvature, C _c	#DIV/0!

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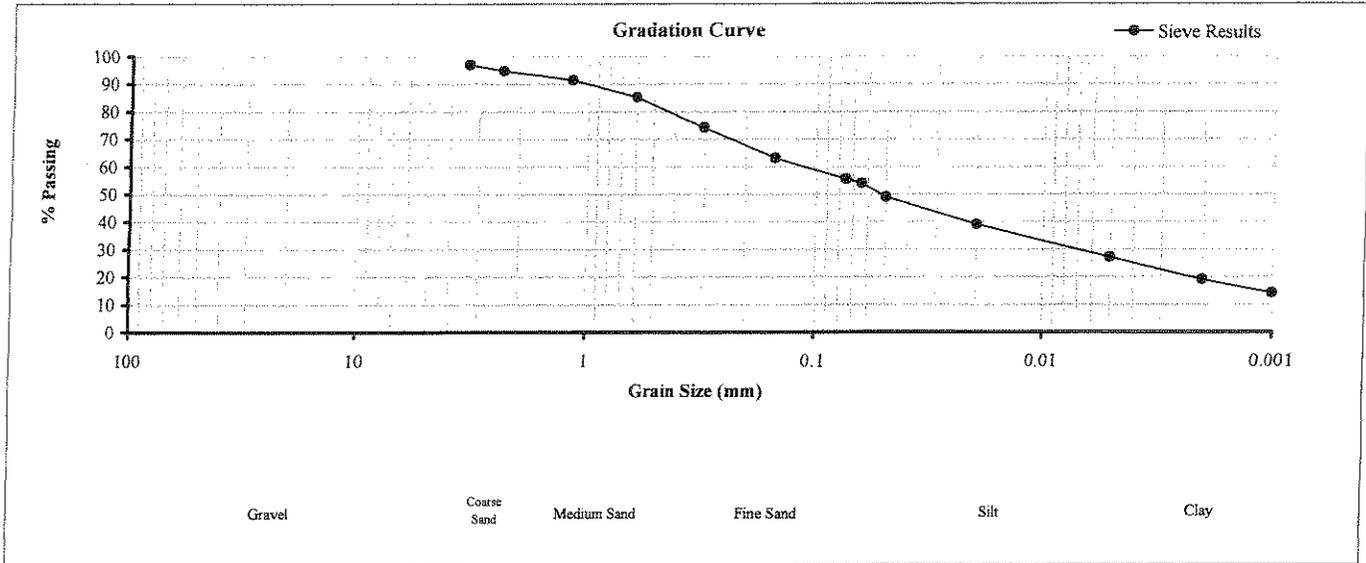
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Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	WDT-8-A
Date:	4/25/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	2.1
Coarse to Fine Sand	4.75mm to 0.075mm	42.4
Silt	.075mm to .005mm	28.5
Clay	Material smaller than .005mm	27.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0000
D ₃₀ =	0.0070
D ₆₀ =	0.1200

Shape Parameters

Coefficient Of Uniformity, C _u	#DIV/0!
Coefficient Of Curvature, C _c	#DIV/0!

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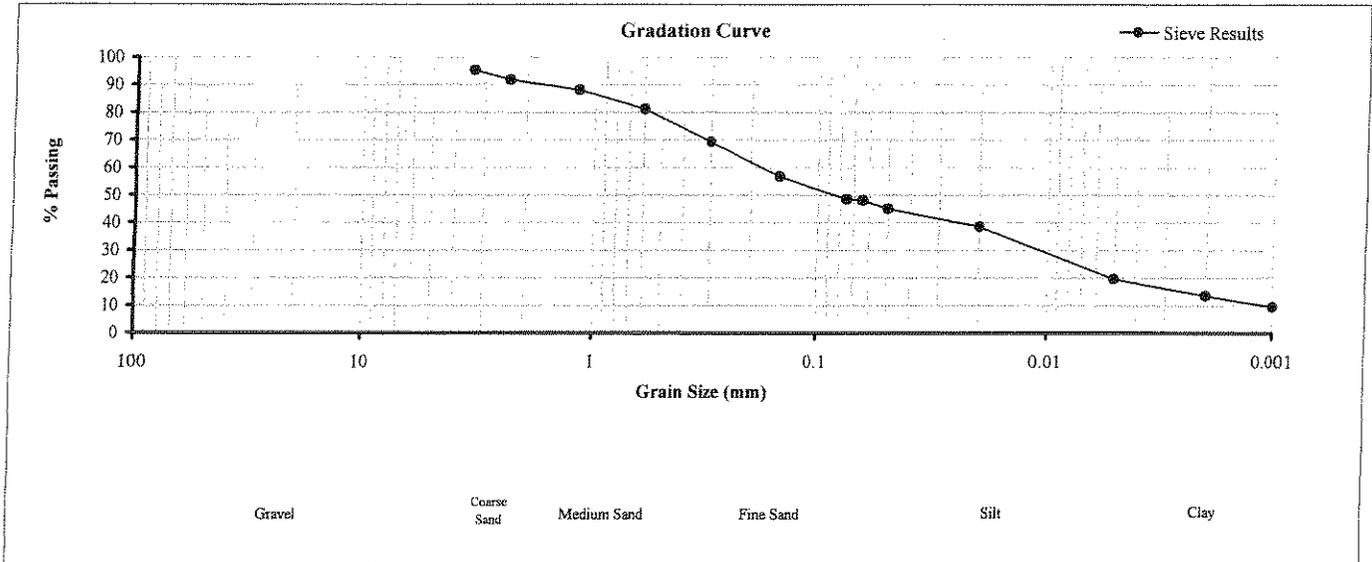
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 19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	WDT-8-B (0-3)
Date:	4/25/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	3.4
Coarse to Fine Sand	4.75mm to 0.075mm	48.1
Silt	0.075mm to .005mm	29.0
Clay	Material smaller than .005mm	19.5

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0012
D ₃₀ =	0.0120
D ₆₀ =	0.1900

Shape Parameters

Coefficient Of Uniformity, C _u	158.3
Coefficient Of Curvature, C _c	0.6

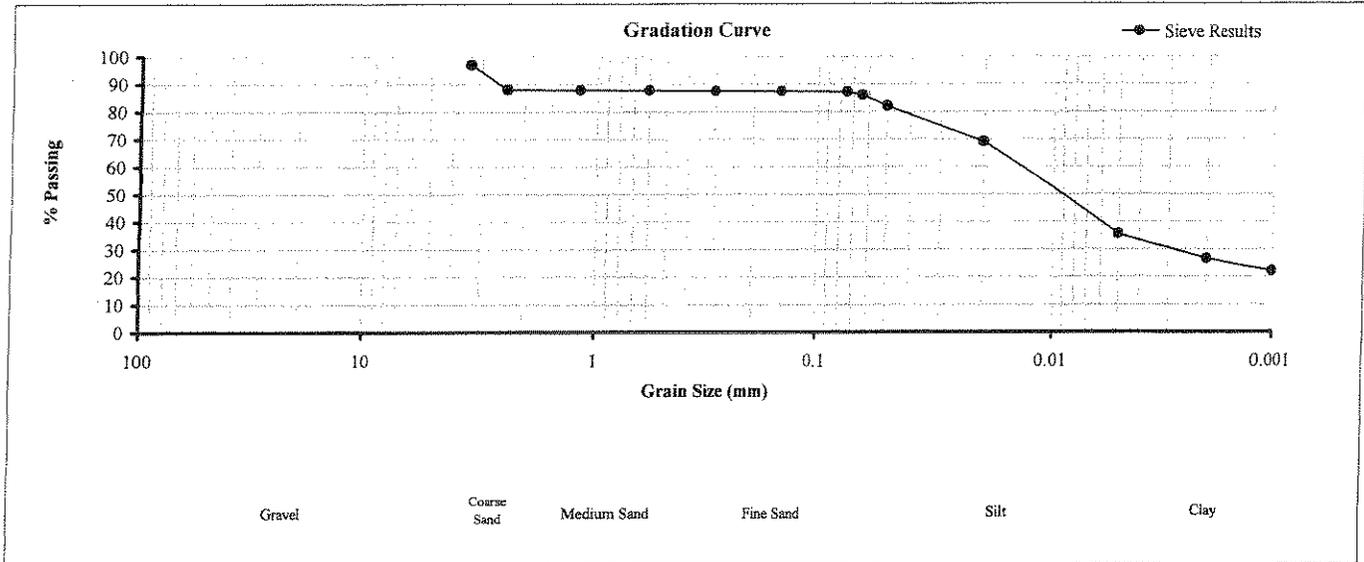
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102 Pickering Way, Suite 200
Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	WDT-8-C
Date:	4/25/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	0.0
Coarse to Fine Sand	4.75mm to 0.075mm	12.9
Silt	.075mm to .005mm	51.6
Clay	Material smaller than .005mm	35.5

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0000
D ₃₀ =	0.0030
D ₆₀ =	0.0150

Shape Parameters

Coefficient Of Uniformity, C _u	#DIV/0!
Coefficient Of Curvature, C _c	#DIV/0!

SECOR

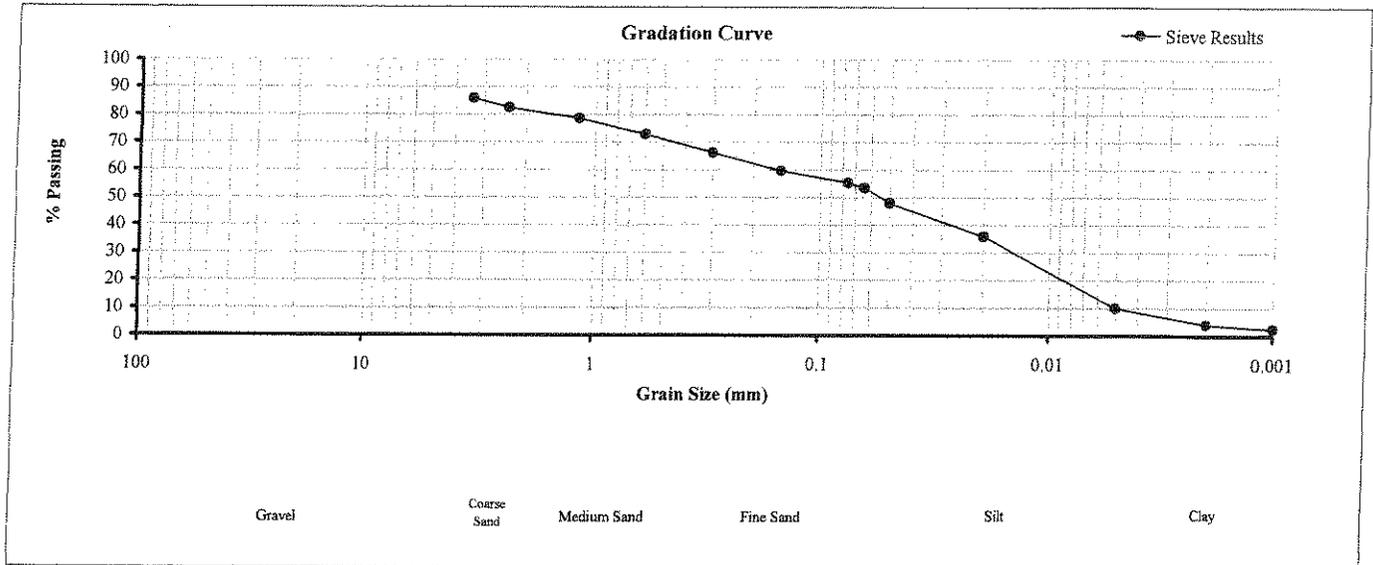
International Incorporated

102 Pickering Way, Suite 200
Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	CAT-1A
Date:	4/14/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	12.1
Coarse to Fine Sand	4.75mm to 0.075mm	32.5
Silt	.075mm to .005mm	45.4
Clay	Material smaller than .005mm	10.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0050
D ₃₀ =	0.0150
D ₆₀ =	0.1600

Shape Parameters

Coefficient Of Uniformity, C _u	32.0
Coefficient Of Curvature, C _c	0.3

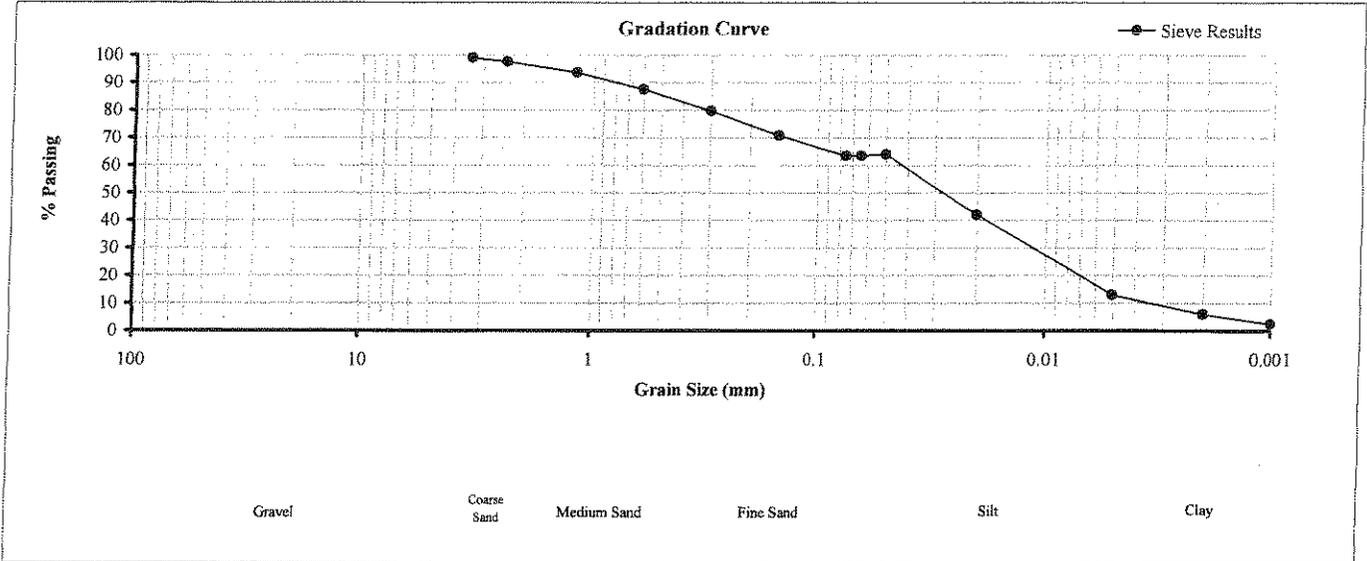
SECOR
International Incorporated

102 Pickering Way, Suite 200
Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	CAT-1B (0-3)
Date:	4/14/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	0.2
Coarse to Fine Sand	4.75mm to 0.075mm	36.3
Silt	.075mm to .005mm	50.5
Clay	Material smaller than .005mm	13.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0035
D ₃₀ =	0.0130
D ₆₀ =	0.0440

Shape Parameters

Coefficient Of Uniformity, C _u	12.6
Coefficient Of Curvature, C _c	1.1

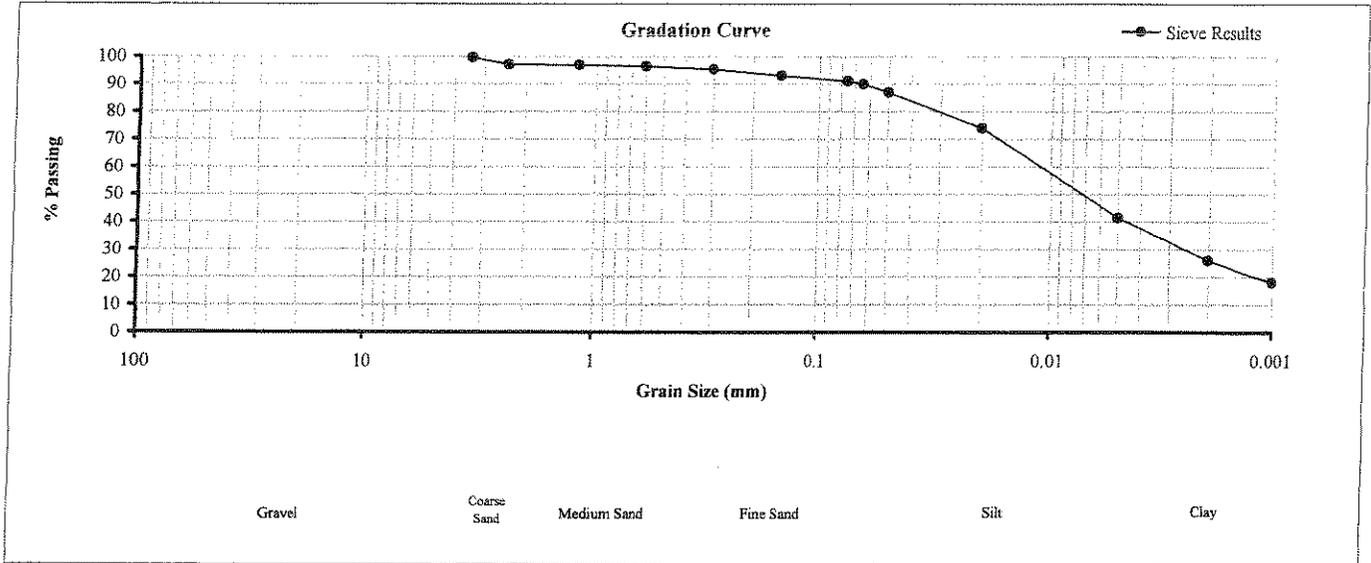
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102 Pickering Way, Suite 200
Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	CAT-1C
Date:	4/14/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	0.1
Coarse to Fine Sand	4.75mm to 0.075mm	8.8
Silt	.075mm to .005mm	49.6
Clay	Material smaller than .005mm	41.5

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0000
D ₃₀ =	0.0025
D ₆₀ =	0.0120

Shape Parameters

Coefficient Of Uniformity, C _u	#DIV/0!
Coefficient Of Curvature, C _c	#DIV/0!

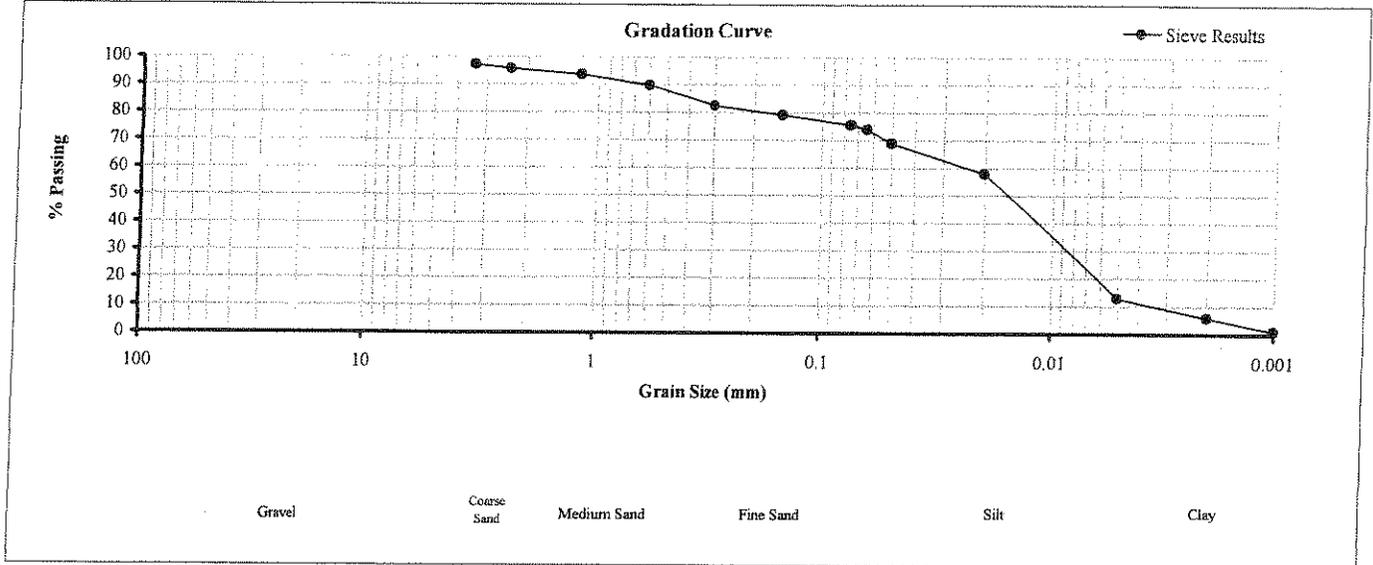
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International Incorporated

102 Pickering Way, Suite 200
Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	CAT-2B (0-3)
Date:	4/14/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	1.7
Coarse to Fine Sand	4.75mm to 0.075mm	22.6
Silt	.075mm to .005mm	62.7
Clay	Material smaller than .005mm	13.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0035
D ₃₀ =	0.0085
D ₆₀ =	0.0250

Shape Parameters

Coefficient Of Uniformity, C _u	7.1
Coefficient Of Curvature, C _c	0.8

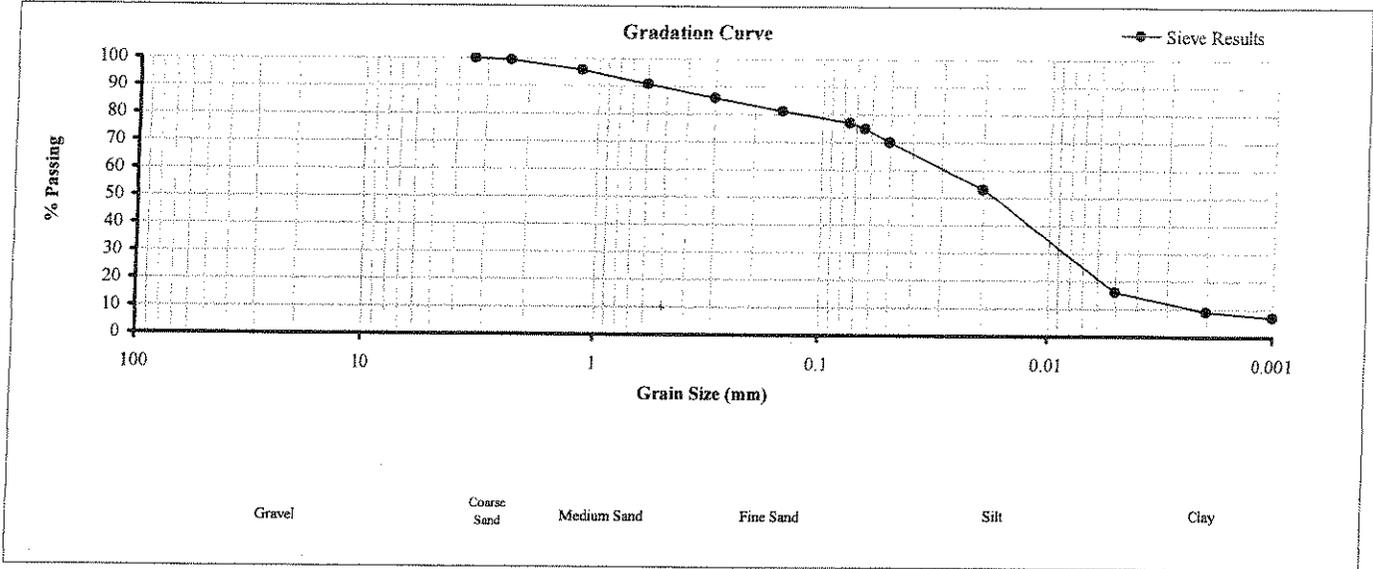
SECOR
International Incorporated

102 Pickering Way, Suite 200
Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	CAT-2C
Date:	4/14/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	0.0
Coarse to Fine Sand	4.75mm to 0.075mm	22.9
Silt	.075mm to .005mm	61.1
Clay	Material smaller than .005mm	16.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0020
D ₃₀ =	0.0089
D ₆₀ =	0.0300

Shape Parameters

Coefficient Of Uniformity, C _u	15.0
Coefficient Of Curvature, C _c	1.3

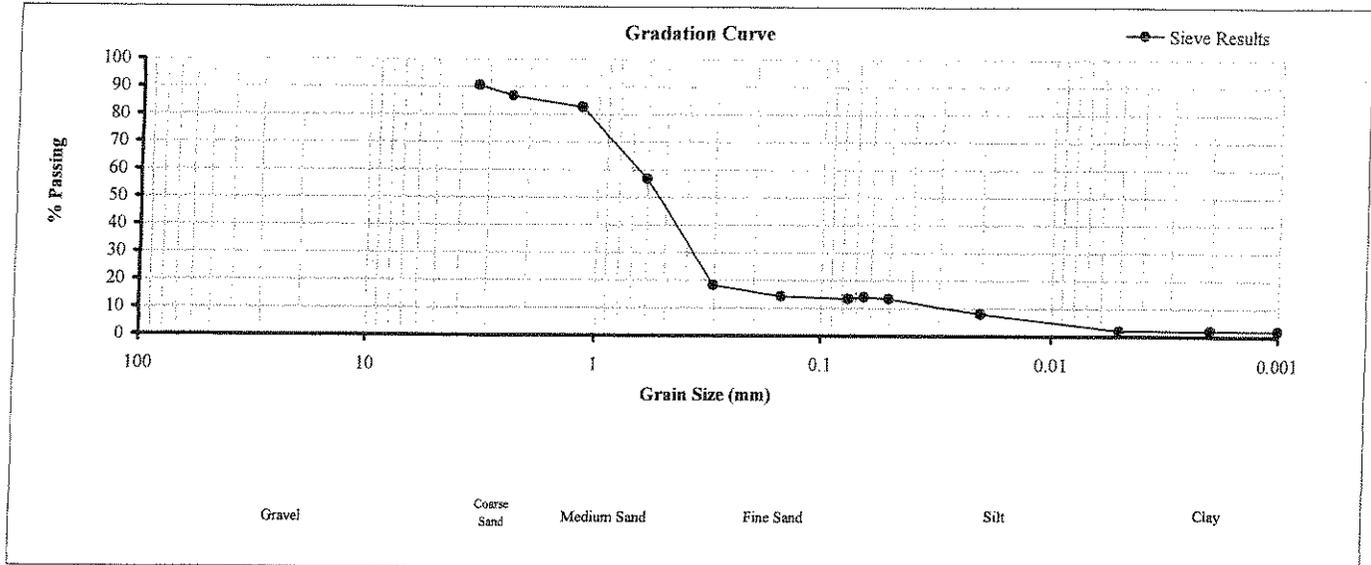
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Exton, Pennsylvania
19341

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	CAT-3A
Date:	4/15/2005

GRAIN SIZE ANALYSIS

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	6.3
Coarse to Fine Sand	4.75mm to 0.075mm	80.2
Silt	.075mm to .005mm	11.5
Clay	Material smaller than .005mm	2.0

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0300
D ₃₀ =	0.3800
D ₆₀ =	0.6800

Shape Parameters

Coefficient Of Uniformity, C _u	22.7
Coefficient Of Curvature, C _c	7.1

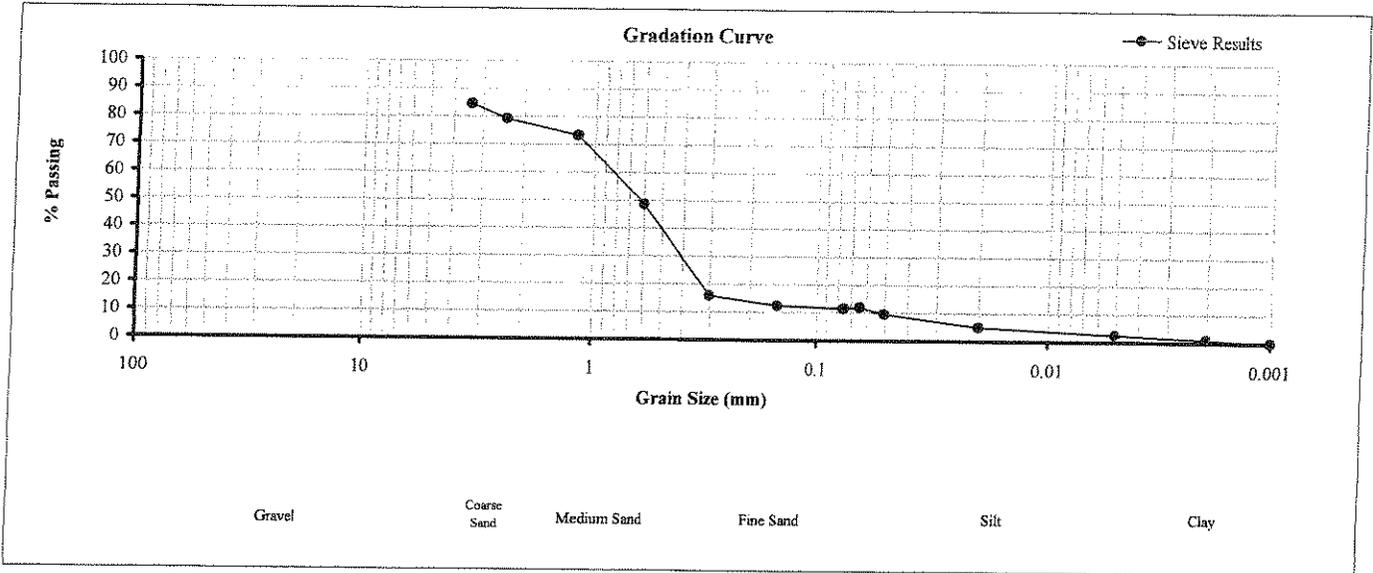
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Exton, Pennsylvania
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GRAIN SIZE ANALYSIS

Client:	Amtrak-APU
Project:	Former Fueling Facility
Sample ID:	CAT-3B
Date:	4/15/2005

Sieve Analysis



Soil Grain Size Distribution By Sieve Analysis

Soil Fraction	Size Range	% of Total
Gravel	75mm to 4.75mm	10.4
Coarse to Fine Sand	4.75mm to 0.075mm	78.1
Silt	.075mm to .005mm	9.0
Clay	Material smaller than .005mm	2.5

Diameters Corresponding To % Passing (mm)	
D ₁₀ =	0.0500
D ₃₀ =	0.4000
D ₆₀ =	0.8500

Shape Parameters

Coefficient Of Uniformity, C _u	17.0
Coefficient Of Curvature, C _c	3.8

Appendix K

PCB Congener Results for Drainage Ditch Bank Soil Samples

Eastern Drainage Ditch Bank Surface Soil Sample PCB Congener Results
EDT-6E
July 5, 2005
Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2-Chlorobiphenyl	1		16500	U
3-Chlorobiphenyl	2		20100	U
4-Chlorobiphenyl	3		21800	U
2,2'-Dichlorobiphenyl	4		196000	U
2,3-Dichlorobiphenyl	5		165000	U
2,3'-Dichlorobiphenyl	6		145000	U
2,4-Dichlorobiphenyl	7		151000	U
2,4'-Dichlorobiphenyl	8		144000	R
2,5-Dichlorobiphenyl	9		147000	U
2,6-Dichlorobiphenyl	10		160000	U
3,3'-Dichlorobiphenyl	11		158000	U
3,4-Dichlorobiphenyl	12		154000	U
3,4'-Dichlorobiphenyl	13		154000	U
3,5-Dichlorobiphenyl	14		129000	U
4,4'-Dichlorobiphenyl	15	183000	161000	QJ
2,2',3-Trichlorobiphenyl	16		81100	U
2,2',4-Trichlorobiphenyl	17		70000	U
2,2',5-Trichlorobiphenyl	18	139000	59000	CJ
2,2',6-Trichlorobiphenyl	19		77800	U
2,3,3'-Trichlorobiphenyl	20		34600	BCJ
2,3,4-Trichlorobiphenyl	21		34400	BCJ
2,3,4'-Trichlorobiphenyl	22		36800	QBJ
2,3,5-Trichlorobiphenyl	23		37000	U
2,3,6-Trichlorobiphenyl	24		51700	U
2,3',4-Trichlorobiphenyl	25	47100	31300	QJ
2,3',5-Trichlorobiphenyl	26	63800	35100	CJ
2,3',6-Trichlorobiphenyl	27		48500	U
2,4,4'-Trichlorobiphenyl	28		34600	C20JB
2,4,5-Trichlorobiphenyl	29		35100	C26
2,4,6-Trichlorobiphenyl	30		59000	C18
2,4',5-Trichlorobiphenyl	31		34600	JQB
2,4',6-Trichlorobiphenyl	32	210000	45700	J
2,3',4'-Trichlorobiphenyl	33		34400	C21JB
2,3',5'-Trichlorobiphenyl	34		36500	U
3,3',4-Trichlorobiphenyl	35		38200	U
3,3',5-Trichlorobiphenyl	36		37400	U
3,4,4'-Trichlorobiphenyl	37	295000	37900	J
3,4,5-Trichlorobiphenyl	38		36000	U
3,4',5-Trichlorobiphenyl	39		34100	U

**Eastern Drainage Ditch Bank Surface Soil Sample PCB Congener Results
EDT-6E**

July 5, 2005

Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,2',3,3'-Tetrachlorobiphenyl	40	703000	72800	C
2,2',3,4-Tetrachlorobiphenyl	41		72800	C40
2,2',3,4'-Tetrachlorobiphenyl	42	146000	75700	QJ
2,2',3,5-Tetrachlorobiphenyl	43		67700	U
2,2',3,5'-Tetrachlorobiphenyl	44		63200	BC
2,2',3,6-Tetrachlorobiphenyl	45	1640000	74600	C
2,2',3,6'-Tetrachlorobiphenyl	46	121000	92100	J
2,2',4,4'-Tetrachlorobiphenyl	47		63200	C44
2,2',4,5-Tetrachlorobiphenyl	48		75000	U
2,2',4,5'-Tetrachlorobiphenyl	49	1260000	58800	C
2,2',4,6-Tetrachlorobiphenyl	50	655000	69000	QC
2,2',4,6'-Tetrachlorobiphenyl	51		74600	C45
2,2',5,5'-Tetrachlorobiphenyl	52		69800	QJB
2,2',5,6'-Tetrachlorobiphenyl	53		69000	C50J
2,2',6,6'-Tetrachlorobiphenyl	54	213000	95100	J
2,3,3',4-Tetrachlorobiphenyl	55		55800	U
2,3,3',4'-Tetrachlorobiphenyl	56	463000	52800	J
2,3,3',5-Tetrachlorobiphenyl	57		52700	U
2,3,3',5'-Tetrachlorobiphenyl	58		51400	U
2,3,3',6-Tetrachlorobiphenyl	59	121000	49600	CJ
2,3,4,4'-Tetrachlorobiphenyl	60	206000	56200	QJ
2,3,4,5-Tetrachlorobiphenyl	61		49500	BC
2,3,4,6-Tetrachlorobiphenyl	62		49600	C59
2,3,4',5-Tetrachlorobiphenyl	63		47600	U
2,3,4',6-Tetrachlorobiphenyl	64	263000	47300	JQ
2,3,5,6-Tetrachlorobiphenyl	65		63200	C44
2,3',4,4'-Tetrachlorobiphenyl	66		50600	B
2,3',4,5-Tetrachlorobiphenyl	67		45500	U
2,3',4,5'-Tetrachlorobiphenyl	68	75600	49000	QJ
2,3',4,6-Tetrachlorobiphenyl	69		58800	C49
2,3',4',5-Tetrachlorobiphenyl	70		49500	C61
2,3',4',6-Tetrachlorobiphenyl	71		72800	C40
2,3',5,5'-Tetrachlorobiphenyl	72		52700	U
2,3',5',6-Tetrachlorobiphenyl	73		67700	U
2,4,4',5-Tetrachlorobiphenyl	74		49500	C61
2,4,4',6-Tetrachlorobiphenyl	75		49600	C59
2,3',4',5'-Tetrachlorobiphenyl	76		49500	C61
3,3',4,4'-Tetrachlorobiphenyl	77	536000	53800	
3,3',4,5-Tetrachlorobiphenyl	78		57200	U

**Eastern Drainage Ditch Bank Surface Soil Sample PCB Congener Results
EDT-6E**

July 5, 2005

**Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware**

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
3,3',4,5'-Tetrachlorobiphenyl	79	82700	43800	QJ
3,3',5,5'-Tetrachlorobiphenyl	80		48700	U
3,4,4',5'-Tetrachlorobiphenyl	81		50700	U
2,2',3,3',4'-Pentachlorobiphenyl	82	571000	125000	QJ
2,2',3,3',5'-Pentachlorobiphenyl	83	3910000	107000	C
2,2',3,3',6'-Pentachlorobiphenyl	84	991000	125000	
2,2',3,4,4'-Pentachlorobiphenyl	85	971000	85900	C
2,2',3,4,5'-Pentachlorobiphenyl	86	3240000	85700	C
2,2',3,4,5'-Pentachlorobiphenyl	87		85700	C86
2,2',3,4,6'-Pentachlorobiphenyl	88	1070000	107000	C
2,2',3,4,6'-Pentachlorobiphenyl	89		118000	U
2,2',3,4',5'-Pentachlorobiphenyl	90	7200000	86800	C
2,2',3,4',6'-Pentachlorobiphenyl	91		107000	C88
2,2',3,5,5'-Pentachlorobiphenyl	92	1260000	104000	
2,2',3,5,6'-Pentachlorobiphenyl	93	756000	102000	C
2,2',3,5,6'-Pentachlorobiphenyl	94		117000	U
2,2',3,5',6'-Pentachlorobiphenyl	95	5890000	104000	
2,2',3,6,6'-Pentachlorobiphenyl	96		81100	U
2,2',3,4',5'-Pentachlorobiphenyl	97		85700	C86
2,2',3,4',6'-Pentachlorobiphenyl	98	255000	100000	CJ
2,2',4,4',5'-Pentachlorobiphenyl	99		107000	C83
2,2',4,4',6'-Pentachlorobiphenyl	100		102000	C93
2,2',4,5,5'-Pentachlorobiphenyl	101		86800	C90
2,2',4,5,6'-Pentachlorobiphenyl	102		100000	C98
2,2',4,5',6'-Pentachlorobiphenyl	103		98900	U
2,2',4,6,6'-Pentachlorobiphenyl	104		73500	U
2,3,3',4,4'-Pentachlorobiphenyl	105	4470000	53700	
2,3,3',4,5'-Pentachlorobiphenyl	106		62000	U
2,3,3',4',5'-Pentachlorobiphenyl	107	927000	58800	J
2,3,3',4,5'-Pentachlorobiphenyl	108	403000	60000	CJ
2,3,3',4,6'-Pentachlorobiphenyl	109		85700	C86
2,3,3',4',6'-Pentachlorobiphenyl	110	11700000	74400	C
2,3,3',5,5'-Pentachlorobiphenyl	111		71100	U
2,3,3',5,6'-Pentachlorobiphenyl	112		76500	U
2,3,3',5',6'-Pentachlorobiphenyl	113		86800	C90
2,3,4,4',5'-Pentachlorobiphenyl	114	244000	48800	J
2,3,4,4',6'-Pentachlorobiphenyl	115		74400	C110
2,3,4,5,6'-Pentachlorobiphenyl	116		85900	C85
2,3,4',5,6'-Pentachlorobiphenyl	117		85900	C85

Eastern Drainage Ditch Bank Surface Soil Sample PCB Congener Results
EDT-6E

July 5, 2005

Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,3',4,4',5-Pentachlorobiphenyl	118		57400	B
2,3',4,4',6-Pentachlorobiphenyl	119		85700	C86
2,3',4,5,5'-Pentachlorobiphenyl	120		72100	U
2,3',4,5,6-Pentachlorobiphenyl	121		74500	U
2,3,3',4',5'-Pentachlorobiphenyl	122	151000	62400	QJ
2,3',4,4',5'-Pentachlorobiphenyl	123	159000	54800	QJ
2,3',4',5,5'-Pentachlorobiphenyl	124		60000	C108
2,3',4',5',6-Pentachlorobiphenyl	125		85700	C86
3,3',4,4',5-Pentachlorobiphenyl	126	298000	57000	QJ
3,3',4,5,5'-Pentachlorobiphenyl	127		56000	U
2,2',3,3',4,4'-Hexachlorobiphenyl	128	10400000	102000	C
2,2',3,3',4,5-Hexachlorobiphenyl	129	87800000	104000	C
2,2',3,3',4,5'-Hexachlorobiphenyl	130	5500000	138000	
2,2',3,3',4,6-Hexachlorobiphenyl	131	360000	140000	J
2,2',3,3',4,6'-Hexachlorobiphenyl	132	17500000	135000	
2,2',3,3',5,5'-Hexachlorobiphenyl	133	1800000	123000	
2,2',3,3',5,6-Hexachlorobiphenyl	134	2410000	138000	C
2,2',3,3',5,6'-Hexachlorobiphenyl	135	28700000	163000	C
2,2',3,3',6,6'-Hexachlorobiphenyl	136	6280000	118000	
2,2',3,4,4',5-Hexachlorobiphenyl	137	10600000	102000	C
2,2',3,4,4',5'-Hexachlorobiphenyl	138		104000	C129
2,2',3,4,4',6-Hexachlorobiphenyl	139	571000	116000	QCJ
2,2',3,4,4',6'-Hexachlorobiphenyl	140		116000	C139
2,2',3,4,5,5'-Hexachlorobiphenyl	141	12200000	130000	
2,2',3,4,5,6-Hexachlorobiphenyl	142		136000	U
2,2',3,4,5,6'-Hexachlorobiphenyl	143		138000	C134
2,2',3,4,5',6-Hexachlorobiphenyl	144	2460000	158000	
2,2',3,4,6,6'-Hexachlorobiphenyl	145		117000	U
2,2',3,4',5,5'-Hexachlorobiphenyl	146	14900000	111000	
2,2',3,4',5,6-Hexachlorobiphenyl	147		116000	BC
2,2',3,4',5,6'-Hexachlorobiphenyl	148		162000	U
2,2',3,4',5',6-Hexachlorobiphenyl	149		116000	C147
2,2',3,4',6,6'-Hexachlorobiphenyl	150		113000	U
2,2',3,5,5',6-Hexachlorobiphenyl	151		163000	C135
2,2',3,5,6,6'-Hexachlorobiphenyl	152		112000	U
2,2',4,4',5,5'-Hexachlorobiphenyl	153	58700000	89600	C
2,2',4,4',5,6'-Hexachlorobiphenyl	154	1040000	133000	
2,2',4,4',6,6'-Hexachlorobiphenyl	155		106000	U
2,3,3',4,4',5-Hexachlorobiphenyl	156	5280000	98400	C

Eastern Drainage Ditch Bank Surface Soil Sample PCB Congener Results

EDT-6E

July 5, 2005

Amtrak Former Fueling Facility

4001 Vandever Avenue

Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,3,3',4,4',5'-Hexachlorobiphenyl	157		98400	C156
2,3,3',4,4',6'-Hexachlorobiphenyl	158	6590000	80100	
2,3,3',4,5,5'-Hexachlorobiphenyl	159		87200	U
2,3,3',4,5,6'-Hexachlorobiphenyl	160		104000	C129
2,3,3',4,5',6'-Hexachlorobiphenyl	161		85000	U
2,3,3',4',5,5'-Hexachlorobiphenyl	162	582000	86400	
2,3,3',4',5,6'-Hexachlorobiphenyl	163		104000	C129
2,3,3',4',5',6'-Hexachlorobiphenyl	164		102000	C137
2,3,3',5,5',6'-Hexachlorobiphenyl	165		96900	U
2,3,4,4',5,6'-Hexachlorobiphenyl	166		102000	C128
2,3',4,4',5,5'-Hexachlorobiphenyl	167	3620000	66800	
2,3',4,4',5',6'-Hexachlorobiphenyl	168		89600	C153
3,3',4,4',5,5'-Hexachlorobiphenyl	169		74000	R
2,2',3,3',4,4',5'-Heptachlorobiphenyl	170	61000000	113000	
2,2',3,3',4,4',6'-Heptachlorobiphenyl	171	14500000	120000	C
2,2',3,3',4,5,5'-Heptachlorobiphenyl	172	11800000	120000	
2,2',3,3',4,5,6'-Heptachlorobiphenyl	173		120000	C171
2,2',3,3',4,5,6'-Heptachlorobiphenyl	174	49700000	109000	
2,2',3,3',4,5',6'-Heptachlorobiphenyl	175	1550000	106000	
2,2',3,3',4,6,6'-Heptachlorobiphenyl	176	3270000	78600	
2,2',3,3',4,5',6'-Heptachlorobiphenyl	177	33600000	115000	
2,2',3,3',5,5',6'-Heptachlorobiphenyl	178	12100000	115000	
2,2',3,3',5,6,6'-Heptachlorobiphenyl	179	15800000	83100	
2,2',3,4,4',5,5'-Heptachlorobiphenyl	180	126000000	89400	C
2,2',3,4,4',5,6'-Heptachlorobiphenyl	181	252000	103000	J
2,2',3,4,4',5,6'-Heptachlorobiphenyl	182	229000	101000	
2,2',3,4,4',5',6'-Heptachlorobiphenyl	183	28200000	106000	C
2,2',3,4,4',6,6'-Heptachlorobiphenyl	184		83900	U
2,2',3,4,5,5',6'-Heptachlorobiphenyl	185		106000	C183
2,2',3,4,5,6,6'-Heptachlorobiphenyl	186		82600	U
2,2',3,4,5,5',6'-Heptachlorobiphenyl	187	68600000	98300	
2,2',3,4,5,6,6'-Heptachlorobiphenyl	188		80400	U
2,3,3',4,4',5,5'-Heptachlorobiphenyl	189	2670000	63400	
2,3,3',4,4',5,6'-Heptachlorobiphenyl	190	13300000	82000	
2,3,3',4,4',5',6'-Heptachlorobiphenyl	191	2160000	78600	
2,3,3',4,5,5',6'-Heptachlorobiphenyl	192		89200	U
2,3,3',4',5,5',6'-Heptachlorobiphenyl	193		89400	C180
2,2',3,3',4,4',5,5'-Octachlorobiphenyl	194	30700000	70800	
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	195	13100000	77500	

**Eastern Drainage Ditch Bank Surface Soil Sample PCB Congener Results
EDT-6E**

July 5, 2005

**Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware**

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	196	11800000	104000	
2,2',3,3',4,4',6,6'-Octachlorobiphenyl	197	3620000	72600	C
2,2',3,3',4,5,5',6-Octachlorobiphenyl	198	32300000	105000	C
2,2',3,3',4,5,5',6'-Octachlorobiphenyl	199		105000	C198
2,2',3,3',4,5,6,6'-Octachlorobiphenyl	200		72600	C197
2,2',3,3',4,5',6,6'-Octachlorobiphenyl	201	2040000	69600	
2,2',3,3',5,5',6,6'-Octachlorobiphenyl	202	4550000	78600	
2,2',3,4,4',5,5',6-Octachlorobiphenyl	203	18700000	94500	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl	204		73800	U
2,3,3',4,4',5,5',6-Octachlorobiphenyl	205	1960000	57400	
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	206	6450000	92900	
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	207	655000	66000	
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	208	1170000	69800	
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	209	1280000	75100	

TOTAL = 902,238,200

Notes:

Data has been validated by SECOR personnel.

B = The analyte was detected in the method, field and/or trip blank.

C = Co-eluting congener. Reported value is the total sum of the co-eluting congener(s).

Cx = Corresponding number (x) represents the co-eluting congener. See (x) for the summed results.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

U = The analyte was analyzed for, but not detected above the reported sample quantitation limit.

UU = The analyte was not detected above the reported sample quantitation. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Q = Estimated maximum possible concentration.

pg/kg = Picograms per kilogram.

R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

**Eastern Drainage Ditch Bank Surface Soil Sample PCB Congener Results
EDT-9E**

May 19, 2005

Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2-Chlorobiphenyl	1		170000	U
3-Chlorobiphenyl	2		156000	U
4-Chlorobiphenyl	3		135000	U
2,2'-Dichlorobiphenyl	4		1960000	U
2,3-Dichlorobiphenyl	5		1220000	U
2,3'-Dichlorobiphenyl	6		1120000	U
2,4-Dichlorobiphenyl	7		1170000	U
2,4'-Dichlorobiphenyl	8		1120000	U
2,5-Dichlorobiphenyl	9		1180000	U
2,6-Dichlorobiphenyl	10		1220000	U
3,3'-Dichlorobiphenyl	11		1180000	U
3,4-Dichlorobiphenyl	12		1140000	U
3,4'-Dichlorobiphenyl	13		1140000	U
3,5-Dichlorobiphenyl	14		1120000	U
4,4'-Dichlorobiphenyl	15		906000	QBJ
2,2',3-Trichlorobiphenyl	16		832000	U
2,2',4-Trichlorobiphenyl	17		672000	U
2,2',5-Trichlorobiphenyl	18		555000	U
2,2',6-Trichlorobiphenyl	19		725000	U
2,3,3'-Trichlorobiphenyl	20		246000	QBCJ
2,3,4-Trichlorobiphenyl	21	845000	255000	QCJ
2,3,4'-Trichlorobiphenyl	22	767000	267000	J
2,3,5-Trichlorobiphenyl	23		273000	U
2,3,6-Trichlorobiphenyl	24		487000	U
2,3',4-Trichlorobiphenyl	25	304000	231000	QJ
2,3',5-Trichlorobiphenyl	26		255000	U
2,3',6-Trichlorobiphenyl	27		474000	U
2,4,4'-Trichlorobiphenyl	28		246000	C20BJ
2,4,5-Trichlorobiphenyl	29		255000	U
2,4,6-Trichlorobiphenyl	30		555000	U
2,4',5-Trichlorobiphenyl	31		251000	QRBj
2,4',6-Trichlorobiphenyl	32		435000	U
2,3',4'-Trichlorobiphenyl	33		255000	C21J
2,3',5'-Trichlorobiphenyl	34		265000	U
3,3',4-Trichlorobiphenyl	35		263000	U
3,3',5-Trichlorobiphenyl	36		246000	U
3,4,4'-Trichlorobiphenyl	37	1180000	219000	J
3,4,5-Trichlorobiphenyl	38		252000	U
3,4',5-Trichlorobiphenyl	39		233000	U

Eastern Drainage Ditch Bank Surface Soil Sample PCB Congener Results
EDT-9E

May 19, 2005

Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,2',3,3'-Tetrachlorobiphenyl	40	1840000	619000	CJ
2,2',3,4'-Tetrachlorobiphenyl	41		619000	C40
2,2',3,4'-Tetrachlorobiphenyl	42		686000	U
2,2',3,5'-Tetrachlorobiphenyl	43	754000	567000	CJ
2,2',3,5'-Tetrachlorobiphenyl	44	7650000	558000	CJ
2,2',3,6'-Tetrachlorobiphenyl	45	9640000	647000	C
2,2',3,6'-Tetrachlorobiphenyl	46	1210000	755000	J
2,2',4,4'-Tetrachlorobiphenyl	47		558000	C44
2,2',4,5'-Tetrachlorobiphenyl	48		619000	U
2,2',4,5'-Tetrachlorobiphenyl	49	3360000	529000	QCJ
2,2',4,6'-Tetrachlorobiphenyl	50	7130000	623000	CJ
2,2',4,6'-Tetrachlorobiphenyl	51		647000	C45
2,2',5,5'-Tetrachlorobiphenyl	52	7030000	594000	QJ
2,2',5,6'-Tetrachlorobiphenyl	53		623000	C50
2,2',6,6'-Tetrachlorobiphenyl	54	1530000	938000	QJ
2,3,3',4'-Tetrachlorobiphenyl	55		467000	U
2,3,3',4'-Tetrachlorobiphenyl	56	2880000	460000	J
2,3,3',5'-Tetrachlorobiphenyl	57		459000	U
2,3,3',5'-Tetrachlorobiphenyl	58		448000	U
2,3,3',6'-Tetrachlorobiphenyl	59		451000	U
2,3,4,4'-Tetrachlorobiphenyl	60	1090000	452000	QJ
2,3,4,5'-Tetrachlorobiphenyl	61		433000	BC
2,3,4,6'-Tetrachlorobiphenyl	62		451000	U
2,3,4',5'-Tetrachlorobiphenyl	63		429000	U
2,3,4',6'-Tetrachlorobiphenyl	64	864000	449000	QJ
2,3,5,6'-Tetrachlorobiphenyl	65		558000	C44
2,3',4,4'-Tetrachlorobiphenyl	66	8200000	426000	J
2,3',4,5'-Tetrachlorobiphenyl	67		400000	U
2,3',4,5'-Tetrachlorobiphenyl	68		415000	U
2,3',4,6'-Tetrachlorobiphenyl	69		529000	C49
2,3',4',5'-Tetrachlorobiphenyl	70		433000	C61
2,3',4',6'-Tetrachlorobiphenyl	71		619000	C40
2,3',5,5'-Tetrachlorobiphenyl	72		442000	U
2,3',5',6'-Tetrachlorobiphenyl	73		567000	C43
2,4,4',5'-Tetrachlorobiphenyl	74		433000	C61
2,4,4',6'-Tetrachlorobiphenyl	75		451000	U
2,3',4',5'-Tetrachlorobiphenyl	76		433000	C61
3,3',4,4'-Tetrachlorobiphenyl	77	1470000	399000	QJ
3,3',4,5'-Tetrachlorobiphenyl	78		442000	U

**Eastern Drainage Ditch Bank Surface Soil Sample PCB Congener Results
EDT-9E**

May 19, 2005

**Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware**

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
3,3',4,5'-Tetrachlorobiphenyl	79	628000	373000	QJ
3,3',5,5'-Tetrachlorobiphenyl	80		397000	U
3,4,4',5'-Tetrachlorobiphenyl	81		348000	U
2,2',3,3',4'-Pentachlorobiphenyl	82	6970000	1080000	QJ
2,2',3,3',5'-Pentachlorobiphenyl	83		1120000	U
2,2',3,3',6'-Pentachlorobiphenyl	84	48500000	1090000	
2,2',3,4,4'-Pentachlorobiphenyl	85	12200000	773000	C
2,2',3,4,5'-Pentachlorobiphenyl	86	46200000	775000	C
2,2',3,4,5'-Pentachlorobiphenyl	87		775000	C86
2,2',3,4,6'-Pentachlorobiphenyl	88	44000000	961000	QC
2,2',3,4,6'-Pentachlorobiphenyl	89		1040000	U
2,2',3,4',5'-Pentachlorobiphenyl	90	169000000	807000	C
2,2',3,4',6'-Pentachlorobiphenyl	91		961000	JC88
2,2',3,5,5'-Pentachlorobiphenyl	92	56100000	978000	
2,2',3,5,6'-Pentachlorobiphenyl	93	11200000	943000	C
2,2',3,5,6'-Pentachlorobiphenyl	94	4040000	1030000	QJ
2,2',3,5',6'-Pentachlorobiphenyl	95	402000000	944000	
2,2',3,6,6'-Pentachlorobiphenyl	96	2390000	718000	QJ
2,2',3,4',5'-Pentachlorobiphenyl	97		775000	C86
2,2',3,4',6'-Pentachlorobiphenyl	98	12400000	960000	C
2,2',4,4',5'-Pentachlorobiphenyl	99	50100000	768000	C
2,2',4,4',6'-Pentachlorobiphenyl	100		943000	C93
2,2',4,5,5'-Pentachlorobiphenyl	101		807000	C90
2,2',4,5,6'-Pentachlorobiphenyl	102		960000	C98
2,2',4,5',6'-Pentachlorobiphenyl	103	8840000	884000	J
2,2',4,6,6'-Pentachlorobiphenyl	104		697000	U
2,3,3',4,4'-Pentachlorobiphenyl	105	26800000	451000	
2,3,3',4,5'-Pentachlorobiphenyl	106		472000	U
2,3,3',4',5'-Pentachlorobiphenyl	107	3550000	417000	QJ
2,3,3',4,5'-Pentachlorobiphenyl	108	2880000	464000	CJ
2,3,3',4,6'-Pentachlorobiphenyl	109		775000	JC86
2,3,3',4',6'-Pentachlorobiphenyl	110	299000000	684000	C
2,3,3',5,5'-Pentachlorobiphenyl	111		658000	U
2,3,3',5,6'-Pentachlorobiphenyl	112		768000	C99
2,3,3',5',6'-Pentachlorobiphenyl	113		807000	C90
2,3,4,4',5'-Pentachlorobiphenyl	114		365000	U
2,3,4,4',6'-Pentachlorobiphenyl	115		684000	C110
2,3,4,5,6'-Pentachlorobiphenyl	116		773000	C85
2,3,4',5,6'-Pentachlorobiphenyl	117		773000	C85

Eastern Drainage Ditch Bank Surface Soil Sample PCB Congener Results
EDT-9E

May 19, 2005

Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,3',4,4',5-Pentachlorobiphenyl	118	39400000	389000	
2,3',4,4',6-Pentachlorobiphenyl	119		775000	C86
2,3',4,5,5'-Pentachlorobiphenyl	120	2130000	633000	J
2,3',4,5,6-Pentachlorobiphenyl	121		689000	U
2,3,3',4',5'-Pentachlorobiphenyl	122	1400000	489000	J
2,3',4,4',5'-Pentachlorobiphenyl	123	1450000	379000	J
2,3',4',5,5'-Pentachlorobiphenyl	124		464000	C108
2,3',4',5,6-Pentachlorobiphenyl	125		775000	C86
3,3',4,4',5-Pentachlorobiphenyl	126	1570000	489000	J
3,3',4,5,5'-Pentachlorobiphenyl	127	401000	432000	QJ
2,2',3,3',4,4'-Hexachlorobiphenyl	128	133000000	974000	C
2,2',3,3',4,5-Hexachlorobiphenyl	129	1710000000	999000	C
2,2',3,3',4,5'-Hexachlorobiphenyl	130	86300000	1270000	
2,2',3,3',4,6-Hexachlorobiphenyl	131	11800000	1280000	QJ
2,2',3,3',4,6'-Hexachlorobiphenyl	132	588000000	1240000	
2,2',3,3',5,5'-Hexachlorobiphenyl	133	27800000	1170000	
2,2',3,3',5,6-Hexachlorobiphenyl	134	84700000	1280000	C
2,2',3,3',5,6'-Hexachlorobiphenyl	135	991000000	1800000	C
2,2',3,3',6,6'-Hexachlorobiphenyl	136	323000000	1330000	
2,2',3,4,4',5-Hexachlorobiphenyl	137	185000000	954000	C
2,2',3,4,4',5'-Hexachlorobiphenyl	138		999000	C129
2,2',3,4,4',6-Hexachlorobiphenyl	139	13200000	1070000	C
2,2',3,4,4',6'-Hexachlorobiphenyl	140		1070000	C139
2,2',3,4,5,5'-Hexachlorobiphenyl	141	431000000	1140000	
2,2',3,4,5,6-Hexachlorobiphenyl	142		1260000	U
2,2',3,4,5,6'-Hexachlorobiphenyl	143		1280000	C134
2,2',3,4,5',6-Hexachlorobiphenyl	144	127000000	1760000	
2,2',3,4,6,6'-Hexachlorobiphenyl	145		1360000	U
2,2',3,4',5,5'-Hexachlorobiphenyl	146	319000000	1030000	
2,2',3,4',5,6-Hexachlorobiphenyl	147	1950000000	1030000	C
2,2',3,4',5,6'-Hexachlorobiphenyl	148		1790000	U
2,2',3,4',5',6-Hexachlorobiphenyl	149		1030000	C147
2,2',3,4',6,6'-Hexachlorobiphenyl	150	3940000	1300000	J
2,2',3,5,5',6-Hexachlorobiphenyl	151		1800000	C135
2,2',3,5,6,6'-Hexachlorobiphenyl	152		1290000	U
2,2',4,4',5,5'-Hexachlorobiphenyl	153		877000	BC
2,2',4,4',5,6'-Hexachlorobiphenyl	154	23200000	1540000	QJ
2,2',4,4',6,6'-Hexachlorobiphenyl	155		1250000	U
2,3,3',4,4',5-Hexachlorobiphenyl	156	39600000	851000	C

**Eastern Drainage Ditch Bank Surface Soil Sample PCB Congener Results
EDT-9E**

May 19, 2005

Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,3,3',4,4',5'-Hexachlorobiphenyl	157		851000	C156
2,3,3',4,4',6'-Hexachlorobiphenyl	158	130000000	764000	
2,3,3',4,5,5'-Hexachlorobiphenyl	159	33400000	801000	QR
2,3,3',4,5,6'-Hexachlorobiphenyl	160		892000	U
2,3,3',4,5',6'-Hexachlorobiphenyl	161		831000	U
2,3,3',4',5,5'-Hexachlorobiphenyl	162	3540000	800000	QJ
2,3,3',4',5,6'-Hexachlorobiphenyl	163		999000	C129
2,3,3',4',5',6'-Hexachlorobiphenyl	164		954000	C137
2,3,3',5,5',6'-Hexachlorobiphenyl	165		910000	U
2,3,4,4',5,6'-Hexachlorobiphenyl	166		974000	C128
2,3',4,4',5,5'-Hexachlorobiphenyl	167	49900000	619000	
2,3',4,4',5,6'-Hexachlorobiphenyl	168		877000	C153
3,3',4,4',5,5'-Hexachlorobiphenyl	169	2790000	740000	J
2,2',3,3',4,4',5'-Heptachlorobiphenyl	170	737000000	938000	
2,2',3,3',4,4',6'-Heptachlorobiphenyl	171	278000000	1050000	C
2,2',3,3',4,5,5'-Heptachlorobiphenyl	172	168000000	1070000	
2,2',3,3',4,5,6'-Heptachlorobiphenyl	173		1050000	C171
2,2',3,3',4,5,6'-Heptachlorobiphenyl	174	971000000	988000	
2,2',3,3',4,5',6'-Heptachlorobiphenyl	175	396000000	946000	
2,2',3,3',4,6,6'-Heptachlorobiphenyl	176	122000000	750000	
2,2',3,3',4,5',6'-Heptachlorobiphenyl	177	560000000	1060000	
2,2',3,3',5,5',6'-Heptachlorobiphenyl	178	177000000	1020000	
2,2',3,3',5,6,6'-Heptachlorobiphenyl	179	391000000	741000	
2,2',3,4,4',5,5'-Heptachlorobiphenyl	180	1830000000	688000	C
2,2',3,4,4',5,6'-Heptachlorobiphenyl	181	2640000	987000	QJ
2,2',3,4,4',5,6'-Heptachlorobiphenyl	182		957000	U
2,2',3,4,4',5',6'-Heptachlorobiphenyl	183	663000000	946000	C
2,2',3,4,4',6,6'-Heptachlorobiphenyl	184		697000	U
2,2',3,4,5,5',6'-Heptachlorobiphenyl	185		946000	C183
2,2',3,4,5,6,6'-Heptachlorobiphenyl	186		759000	U
2,2',3,4',5,5',6'-Heptachlorobiphenyl	187	1090000000	893000	
2,2',3,4',5,6,6'-Heptachlorobiphenyl	188		725000	U
2,3,3',4,4',5,5'-Heptachlorobiphenyl	189	36400000	609000	
2,3,3',4,4',5,6'-Heptachlorobiphenyl	190	184000000	761000	
2,3,3',4,4',5',6'-Heptachlorobiphenyl	191	40000000	744000	
2,3,3',4,5,5',6'-Heptachlorobiphenyl	192		803000	U
2,3,3',4',5,5',6'-Heptachlorobiphenyl	193		804000	JC180
2,2',3,3',4,4',5,5'-Octachlorobiphenyl	194	466000000	699000	
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	195	200000000	766000	

Eastern Drainage Ditch Bank Surface Soil Sample PCB Congener Results
EDT-9E
May 19, 2005
Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	196	305000000	1050000	
2,2',3,3',4,4',6,6'-Octachlorobiphenyl	197	926000000	7650000	C
2,2',3,3',4,5,5',6-Octachlorobiphenyl	198	547000000	10400000	C
2,2',3,3',4,5,5',6'-Octachlorobiphenyl	199		10400000	C198
2,2',3,3',4,5,6,6'-Octachlorobiphenyl	200		7650000	C197
2,2',3,3',4,5',6,6'-Octachlorobiphenyl	201	686000000	7630000	
2,2',3,3',5,5',6,6'-Octachlorobiphenyl	202	831000000	8060000	
2,2',3,4,4',5,5',6-Octachlorobiphenyl	203	336000000	9590000	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl	204		7860000	U
2,3,3',4,4',5,5',6-Octachlorobiphenyl	205	188000000	4870000	QJ
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	206	545000000	7420000	
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	207	93500000	6710000	
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	208	113000000	6460000	
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	209	61600000	3670000	J

TOTAL = 18066113000

Notes:

Data validated by SECOR personnel

B = Analyte is present in the associated method blank at a reportable level.

C = Co-eluting congener. Reported value is the total sum of the co-eluting congener(s).

Cx = Corresponding number (x) represents the co-eluting congener. See (x) for the summed results.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

U = The analyte was analyzed for, but not detected above the reported sample quantitation limit.

Q = Estimated maximum possible concentration.

pg/kg = Picograms per kilogram.

Eastern Drainage Ditch Bank Surface Soil Sample PCB Congener Results

EDT-50E (Duplicate of EDT-9E)

May 19, 2005

Amtrak Former Fueling Facility

4001 Vandever Avenue

Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2-Chlorobiphenyl	1		187000	U
3-Chlorobiphenyl	2		171000	U
4-Chlorobiphenyl	3		149000	U
2,2'-Dichlorobiphenyl	4		2090000	U
2,3-Dichlorobiphenyl	5		1310000	U
2,3'-Dichlorobiphenyl	6		1200000	U
2,4-Dichlorobiphenyl	7		1250000	U
2,4'-Dichlorobiphenyl	8		1200000	U
2,5-Dichlorobiphenyl	9		1260000	U
2,6-Dichlorobiphenyl	10		1300000	U
3,3'-Dichlorobiphenyl	11		1260000	U
3,4-Dichlorobiphenyl	12		1210000	U
3,4'-Dichlorobiphenyl	13		1210000	U
3,5-Dichlorobiphenyl	14		1200000	U
4,4'-Dichlorobiphenyl	15		967000	U
2,2',3-Trichlorobiphenyl	16		919000	U
2,2',4-Trichlorobiphenyl	17		742000	U
2,2',5-Trichlorobiphenyl	18		613000	U
2,2',6-Trichlorobiphenyl	19		801000	U
2,3,3'-Trichlorobiphenyl	20		272000	BCJ
2,3,4-Trichlorobiphenyl	21	598000	281000	QCJ
2,3,4'-Trichlorobiphenyl	22		295000	U
2,3,5-Trichlorobiphenyl	23		302000	U
2,3,6-Trichlorobiphenyl	24		538000	U
2,3',4-Trichlorobiphenyl	25		256000	U
2,3',5-Trichlorobiphenyl	26		282000	U
2,3',6-Trichlorobiphenyl	27		524000	U
2,4,4'-Trichlorobiphenyl	28		272000	C20BJ
2,4,5-Trichlorobiphenyl	29		282000	U
2,4,6-Trichlorobiphenyl	30		613000	U
2,4',5-Trichlorobiphenyl	31		277000	BJ
2,4',6-Trichlorobiphenyl	32		481000	U
2,3',4'-Trichlorobiphenyl	33		281000	C21R
2,3',5'-Trichlorobiphenyl	34		293000	U
3,3',4-Trichlorobiphenyl	35		291000	U
3,3',5-Trichlorobiphenyl	36		272000	U
3,4,4'-Trichlorobiphenyl	37	829000	242000	J
3,4,5-Trichlorobiphenyl	38		278000	U
3,4',5-Trichlorobiphenyl	39		258000	U

Eastern Drainage Ditch Bank Surface Soil Sample PCB Congener Results
EDT-50E (Duplicate of EDT-9E)
May 19, 2005
Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,2',3,3'-Tetrachlorobiphenyl	40	3320000	656000	CJ
2,2',3,4'-Tetrachlorobiphenyl	41		656000	C40
2,2',3,4'-Tetrachlorobiphenyl	42		727000	U
2,2',3,5'-Tetrachlorobiphenyl	43		600000	U
2,2',3,5'-Tetrachlorobiphenyl	44	10800000	591000	C
2,2',3,6'-Tetrachlorobiphenyl	45	3490000	686000	QCJ
2,2',3,6'-Tetrachlorobiphenyl	46		800000	U
2,2',4,4'-Tetrachlorobiphenyl	47		591000	C44
2,2',4,5'-Tetrachlorobiphenyl	48		656000	U
2,2',4,5'-Tetrachlorobiphenyl	49	6000000	561000	CJ
2,2',4,6'-Tetrachlorobiphenyl	50	3040000	660000	CJ
2,2',4,6'-Tetrachlorobiphenyl	51		686000	C45J
2,2',5,5'-Tetrachlorobiphenyl	52	10500000	629000	
2,2',5,6'-Tetrachlorobiphenyl	53		660000	C50
2,2',6,6'-Tetrachlorobiphenyl	54		993000	U
2,3,3',4'-Tetrachlorobiphenyl	55		495000	U
2,3,3',4'-Tetrachlorobiphenyl	56	1920000	487000	QJ
2,3,3',5'-Tetrachlorobiphenyl	57		486000	U
2,3,3',5'-Tetrachlorobiphenyl	58		475000	U
2,3,3',6'-Tetrachlorobiphenyl	59		478000	U
2,3,4,4'-Tetrachlorobiphenyl	60		479000	U
2,3,4,5'-Tetrachlorobiphenyl	61		459000	BC
2,3,4,6'-Tetrachlorobiphenyl	62		478000	U
2,3,4',5'-Tetrachlorobiphenyl	63		455000	U
2,3,4',6'-Tetrachlorobiphenyl	64	1070000	476000	QJ
2,3,5,6'-Tetrachlorobiphenyl	65		591000	C44
2,3',4,4'-Tetrachlorobiphenyl	66	8940000	452000	
2,3',4,5'-Tetrachlorobiphenyl	67		423000	U
2,3',4,5'-Tetrachlorobiphenyl	68		440000	U
2,3',4,6'-Tetrachlorobiphenyl	69		561000	C49
2,3',4',5'-Tetrachlorobiphenyl	70		459000	C61
2,3',4',6'-Tetrachlorobiphenyl	71		656000	C40
2,3',5,5'-Tetrachlorobiphenyl	72		468000	U
2,3',5,6'-Tetrachlorobiphenyl	73		600000	U
2,4,4',5'-Tetrachlorobiphenyl	74		459000	C61
2,4,4',6'-Tetrachlorobiphenyl	75		478000	U
2,3',4',5'-Tetrachlorobiphenyl	76		459000	C61
3,3',4,4'-Tetrachlorobiphenyl	77	1880000	422000	J
3,3',4,5'-Tetrachlorobiphenyl	78		468000	U

Eastern Drainage Ditch Bank Surface Soil Sample PCB Congener Results
EDT-50E (Duplicate of EDT-9E)
May 19, 2005
Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
3,3',4,5'-Tetrachlorobiphenyl	79	984000	395000	J
3,3',5,5'-Tetrachlorobiphenyl	80		421000	U
3,4,4',5'-Tetrachlorobiphenyl	81		399000	U
2,2',3,3',4'-Pentachlorobiphenyl	82	11400000	1130000	QJ
2,2',3,3',5'-Pentachlorobiphenyl	83		1170000	U
2,2',3,3',6'-Pentachlorobiphenyl	84	38600000	1140000	
2,2',3,4,4'-Pentachlorobiphenyl	85	14400000	811000	C
2,2',3,4,5'-Pentachlorobiphenyl	86	55100000	813000	C
2,2',3,4,5'-Pentachlorobiphenyl	87		813000	C86
2,2',3,4,6'-Pentachlorobiphenyl	88	41700000	1010000	C
2,2',3,4,6'-Pentachlorobiphenyl	89		1090000	U
2,2',3,4',5'-Pentachlorobiphenyl	90	219000000	847000	C
2,2',3,4',6'-Pentachlorobiphenyl	91		1010000	C88
2,2',3,5,5'-Pentachlorobiphenyl	92	64300000	1030000	
2,2',3,5,6'-Pentachlorobiphenyl	93	9470000	990000	C
2,2',3,5,6'-Pentachlorobiphenyl	94	3610000	1080000	QJ
2,2',3,5',6'-Pentachlorobiphenyl	95	309000000	991000	
2,2',3,6,6'-Pentachlorobiphenyl	96	2680000	753000	J
2,2',3,4',5'-Pentachlorobiphenyl	97		813000	C86
2,2',3,4',6'-Pentachlorobiphenyl	98	9150000	1010000	QC
2,2',4,4',5'-Pentachlorobiphenyl	99	67300000	806000	C
2,2',4,4',6'-Pentachlorobiphenyl	100		990000	C93
2,2',4,5,5'-Pentachlorobiphenyl	101		847000	C90
2,2',4,5,6'-Pentachlorobiphenyl	102		1010000	C98J
2,2',4,5',6'-Pentachlorobiphenyl	103	6460000	928000	QJ
2,2',4,6,6'-Pentachlorobiphenyl	104		731000	U
2,3,3',4,4'-Pentachlorobiphenyl	105	27300000	487000	
2,3,3',4,5'-Pentachlorobiphenyl	106		495000	U
2,3,3',4',5'-Pentachlorobiphenyl	107	5040000	438000	J
2,3,3',4,5'-Pentachlorobiphenyl	108	2140000	487000	QCJ
2,3,3',4,6'-Pentachlorobiphenyl	109		813000	C86
2,3,3',4',6'-Pentachlorobiphenyl	110	283000000	718000	C
2,3,3',5,5'-Pentachlorobiphenyl	111		690000	U
2,3,3',5,6'-Pentachlorobiphenyl	112		806000	C99
2,3,3',5',6'-Pentachlorobiphenyl	113		847000	C90
2,3,4,4',5'-Pentachlorobiphenyl	114	1150000	364000	QJ
2,3,4,4',6'-Pentachlorobiphenyl	115		718000	C110
2,3,4,5,6'-Pentachlorobiphenyl	116		811000	C85
2,3,4',5,6'-Pentachlorobiphenyl	117		811000	C85

Eastern Drainage Ditch Bank Surface Soil Sample PCB Congener Results

EDT-50E (Duplicate of EDT-9E)

May 19, 2005

Amtrak Former Fueling Facility

4001 Vandever Avenue

Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,3',4,4',5-Pentachlorobiphenyl	118	46700000	416000	
2,3',4,4',6-Pentachlorobiphenyl	119		813000	C86
2,3',4,5,5'-Pentachlorobiphenyl	120	2790000	664000	J
2,3',4,5',6-Pentachlorobiphenyl	121		723000	U
2,3,3',4',5'-Pentachlorobiphenyl	122	1630000	513000	J
2,3',4,4',5'-Pentachlorobiphenyl	123	773000	383000	QJ
2,3',4',5,5'-Pentachlorobiphenyl	124		487000	C108J
2,3',4',5',6-Pentachlorobiphenyl	125		813000	C86
3,3',4,4',5-Pentachlorobiphenyl	126	847000	539000	QJ
3,3',4,5,5'-Pentachlorobiphenyl	127	675000	454000	QJ
2,2',3,3',4,4'-Hexachlorobiphenyl	128	141000000	1000000	C
2,2',3,3',4,5-Hexachlorobiphenyl	129	1500000000	1030000	C
2,2',3,3',4,5'-Hexachlorobiphenyl	130	67800000	1310000	
2,2',3,3',4,6-Hexachlorobiphenyl	131	8560000	1320000	QJ
2,2',3,3',4,6'-Hexachlorobiphenyl	132	473000000	1280000	
2,2',3,3',5,5'-Hexachlorobiphenyl	133	23500000	1210000	
2,2',3,3',5,6-Hexachlorobiphenyl	134	67900000	1320000	C
2,2',3,3',5,6'-Hexachlorobiphenyl	135	834000000	1850000	C
2,2',3,3',6,6'-Hexachlorobiphenyl	136	261000000	1370000	
2,2',3,4,4',5-Hexachlorobiphenyl	137	157000000	983000	C
2,2',3,4,4',5'-Hexachlorobiphenyl	138		1030000	C129
2,2',3,4,4',6-Hexachlorobiphenyl	139	10400000	1100000	QCJ
2,2',3,4,4',6'-Hexachlorobiphenyl	140		1100000	C139J
2,2',3,4,5,5'-Hexachlorobiphenyl	141	385000000	1170000	
2,2',3,4,5,6-Hexachlorobiphenyl	142		1290000	U
2,2',3,4,5,6'-Hexachlorobiphenyl	143		1320000	C134
2,2',3,4,5',6-Hexachlorobiphenyl	144	111000000	1810000	
2,2',3,4,6,6'-Hexachlorobiphenyl	145		1400000	U
2,2',3,4',5,5'-Hexachlorobiphenyl	146	254000000	1060000	
2,2',3,4',5,6-Hexachlorobiphenyl	147	1580000000	1060000	C
2,2',3,4',5,6'-Hexachlorobiphenyl	148	2630000	1840000	QJ
2,2',3,4',5',6-Hexachlorobiphenyl	149		1060000	C147
2,2',3,4',6,6'-Hexachlorobiphenyl	150	3100000	1340000	QJ
2,2',3,5,5',6-Hexachlorobiphenyl	151		1850000	C135
2,2',3,5,6,6'-Hexachlorobiphenyl	152		1330000	U
2,2',4,4',5,5'-Hexachlorobiphenyl	153		904000	BC
2,2',4,4',5,6'-Hexachlorobiphenyl	154	23400000	1580000	
2,2',4,4',6,6'-Hexachlorobiphenyl	155		1280000	U
2,3,3',4,4',5-Hexachlorobiphenyl	156	37700000	794000	C

Eastern Drainage Ditch Bank Surface Soil Sample PCB Congener Results
EDT-50E (Duplicate of EDT-9E)
May 19, 2005
Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,3,3',4,4',5'-Hexachlorobiphenyl	157		794000	C156
2,3,3',4,4',6'-Hexachlorobiphenyl	158	112000000	787000	
2,3,3',4,5,5'-Hexachlorobiphenyl	159	31400000	826000	
2,3,3',4,5,6'-Hexachlorobiphenyl	160		919000	U
2,3,3',4,5',6'-Hexachlorobiphenyl	161		857000	U
2,3,3',4',5,5'-Hexachlorobiphenyl	162	2830000	825000	QJ
2,3,3',4',5,6'-Hexachlorobiphenyl	163		1030000	C129
2,3,3',4',5',6'-Hexachlorobiphenyl	164		983000	C137
2,3,3',5,5',6'-Hexachlorobiphenyl	165		938000	U
2,3,4,4',5,6'-Hexachlorobiphenyl	166		1000000	C128
2,3',4,4',5,5'-Hexachlorobiphenyl	167	45200000	740000	
2,3',4,4',5',6'-Hexachlorobiphenyl	168		904000	C153
3,3',4,4',5,5'-Hexachlorobiphenyl	169	2610000	759000	J
2,2',3,3',4,4',5'-Heptachlorobiphenyl	170	595000000	843000	
2,2',3,3',4,4',6'-Heptachlorobiphenyl	171	222000000	1000000	C
2,2',3,3',4,5,5'-Heptachlorobiphenyl	172	129000000	1010000	
2,2',3,3',4,5,6'-Heptachlorobiphenyl	173	0	1000000	C171
2,2',3,3',4,5,6'-Heptachlorobiphenyl	174	742000000	939000	
2,2',3,3',4,5',6'-Heptachlorobiphenyl	175	30600000	900000	
2,2',3,3',4,6,6'-Heptachlorobiphenyl	176	93500000	713000	
2,2',3,3',4,5',6'-Heptachlorobiphenyl	177	425000000	1000000	
2,2',3,3',5,5',6'-Heptachlorobiphenyl	178	136000000	966000	
2,2',3,3',5,6,6'-Heptachlorobiphenyl	179	296000000	705000	
2,2',3,4,4',5,5'-Heptachlorobiphenyl	180	1420000000	657000	C
2,2',3,4,4',5,6'-Heptachlorobiphenyl	181	2740000	938000	J
2,2',3,4,4',5,6'-Heptachlorobiphenyl	182	3850000	910000	J
2,2',3,4,4',5',6'-Heptachlorobiphenyl	183	509000000	899000	C
2,2',3,4,4',6,6'-Heptachlorobiphenyl	184		663000	U
2,2',3,4,5,5',6'-Heptachlorobiphenyl	185		899000	C183
2,2',3,4,5,6,6'-Heptachlorobiphenyl	186		721000	U
2,2',3,4',5,5',6'-Heptachlorobiphenyl	187	802000000	849000	
2,2',3,4',5,6,6'-Heptachlorobiphenyl	188		690000	U
2,3,3',4,4',5,5'-Heptachlorobiphenyl	189	25300000	594000	
2,3,3',4,4',5,6'-Heptachlorobiphenyl	190	144000000	724000	
2,3,3',4,4',5',6'-Heptachlorobiphenyl	191	32300000	707000	
2,3,3',4,5,5',6'-Heptachlorobiphenyl	192		764000	U
2,3,3',4',5,5',6'-Heptachlorobiphenyl	193		765000	C180J
2,2',3,3',4,4',5,5'-Octachlorobiphenyl	194	362000000	719000	
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	195	157000000	788000	

Eastern Drainage Ditch Bank Surface Soil Sample PCB Congener Results
EDT-50E (Duplicate of EDT-9E)
May 19, 2005
Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	196	232000000	1080000	
2,2',3,3',4,4',6,6'-Octachlorobiphenyl	197	71200000	786000	C
2,2',3,3',4,5,5',6'-Octachlorobiphenyl	198	410000000	1070000	C
2,2',3,3',4,5,5',6'-Octachlorobiphenyl	199		1070000	C198
2,2',3,3',4,5,6,6'-Octachlorobiphenyl	200		786000	C197
2,2',3,3',4,5',6,6'-Octachlorobiphenyl	201	50300000	784000	
2,2',3,3',5,5',6,6'-Octachlorobiphenyl	202	62800000	829000	
2,2',3,4,4',5,5',6'-Octachlorobiphenyl	203	260000000	986000	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl	204		808000	U
2,3,3',4,4',5,5',6'-Octachlorobiphenyl	205	16800000	500000	
2,2',3,3',4,4',5,5',6'-Nonachlorobiphenyl	206	40800000	710000	
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	207	7390000	641000	J
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	208	7720000	617000	QJ
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	209	4030000	318000	QJ

TOTAL = 14702946000

Notes:

Data validated by SECOR personnel

B = Analyte is present in the associated method blank at a reportable level.

C = Co-eluting congener. Reported value is the total sum of the co-eluting congener(s).

Cx = Corresponding number (x) represents the co-eluting congener. See (x) for the summed results.

J = Estimated value.

U = Not detected.

Q = Estimated maximum possible concentration.

pg/kg = Picograms per kilogram.

R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

**Confluence Area Bank Surface Soil Sample PCB Congener Results
CAT-1W**

May 31, 2005

Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2-Chlorobiphenyl	1	1610000	289000	QJ
3-Chlorobiphenyl	2		264000	U
4-Chlorobiphenyl	3	1410000	229000	J
2,2'-Dichlorobiphenyl	4	28100000	2870000	QJ
2,3-Dichlorobiphenyl	5		1790000	U
2,3'-Dichlorobiphenyl	6	10100000	1650000	QJ
2,4-Dichlorobiphenyl	7	3020000	1720000	QJ
2,4'-Dichlorobiphenyl	8		1650000	B
2,5-Dichlorobiphenyl	9	2760000	1730000	QJ
2,6-Dichlorobiphenyl	10	3360000	1790000	QJ
3,3'-Dichlorobiphenyl	11		1720000	U
3,4-Dichlorobiphenyl	12		1670000	QBCJ
3,4'-Dichlorobiphenyl	13		1670000	QBC12J
3,5-Dichlorobiphenyl	14		1650000	U
4,4'-Dichlorobiphenyl	15		1330000	QBJ
2,2',3-Trichlorobiphenyl	16	16800000	1770000	QJ
2,2',4-Trichlorobiphenyl	17	48400000	1430000	
2,2',5-Trichlorobiphenyl	18	54700000	1180000	C
2,2',6-Trichlorobiphenyl	19	27600000	1540000	
2,3,3'-Trichlorobiphenyl	20		522000	BC
2,3,4-Trichlorobiphenyl	21	14800000	540000	C
2,3,4'-Trichlorobiphenyl	22	19100000	566000	
2,3,5-Trichlorobiphenyl	23		580000	U
2,3,6-Trichlorobiphenyl	24		1030000	U
2,3',4-Trichlorobiphenyl	25	26500000	491000	
2,3',5-Trichlorobiphenyl	26	23600000	542000	C
2,3',6-Trichlorobiphenyl	27	10000000	1010000	J
2,4,4'-Trichlorobiphenyl	28		522000	C20
2,4,5-Trichlorobiphenyl	29		542000	C26
2,4,6-Trichlorobiphenyl	30		1180000	C18
2,4',5-Trichlorobiphenyl	31		532000	BJ
2,4',6-Trichlorobiphenyl	32	59600000	924000	J
2,3',4'-Trichlorobiphenyl	33		540000	C21
2,3',5'-Trichlorobiphenyl	34		563000	U
3,3',4-Trichlorobiphenyl	35		559000	U
3,3',5-Trichlorobiphenyl	36		522000	U
3,4,4'-Trichlorobiphenyl	37	13700000	466000	
3,4,5-Trichlorobiphenyl	38		535000	U
3,4',5-Trichlorobiphenyl	39		495000	U

**Confluence Area Bank Surface Soil Sample PCB Congener Results
CAT-1W**

May 31, 2005

Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,2',3,3'-Tetrachlorobiphenyl	40	77100000	1220000	C
2,2',3,4'-Tetrachlorobiphenyl	41		1220000	C40
2,2',3,4'-Tetrachlorobiphenyl	42	50100000	1350000	
2,2',3,5'-Tetrachlorobiphenyl	43	8040000	1110000	QCJ
2,2',3,5'-Tetrachlorobiphenyl	44	209000000	1100000	C
2,2',3,6'-Tetrachlorobiphenyl	45	84500000	1270000	C
2,2',3,6'-Tetrachlorobiphenyl	46	24500000	1480000	QJ
2,2',4,4'-Tetrachlorobiphenyl	47		1100000	C44
2,2',4,5'-Tetrachlorobiphenyl	48	4650000	1220000	QJ
2,2',4,5'-Tetrachlorobiphenyl	49	147000000	1040000	C
2,2',4,6'-Tetrachlorobiphenyl	50	78300000	1230000	C
2,2',4,6'-Tetrachlorobiphenyl	51		1270000	C45
2,2',5,5'-Tetrachlorobiphenyl	52	128000000	1170000	
2,2',5,6'-Tetrachlorobiphenyl	53		1230000	C50
2,2',6,6'-Tetrachlorobiphenyl	54	6800000	1840000	J
2,3,3',4'-Tetrachlorobiphenyl	55		918000	U
2,3,3',4'-Tetrachlorobiphenyl	56	24800000	905000	
2,3,3',5'-Tetrachlorobiphenyl	57	1310000	903000	QJ
2,3,3',5'-Tetrachlorobiphenyl	58	2150000	882000	QJ
2,3,3',6'-Tetrachlorobiphenyl	59	11800000	887000	CJ
2,3,4,4'-Tetrachlorobiphenyl	60	8690000	890000	J
2,3,4,5'-Tetrachlorobiphenyl	61		852000	BC
2,3,4,6'-Tetrachlorobiphenyl	62		887000	C59
2,3,4',5'-Tetrachlorobiphenyl	63	8050000	844000	QJ
2,3,4',6'-Tetrachlorobiphenyl	64	23600000	883000	
2,3,5,6'-Tetrachlorobiphenyl	65		1100000	C44
2,3',4,4'-Tetrachlorobiphenyl	66	104000000	839000	
2,3',4,5'-Tetrachlorobiphenyl	67	2330000	786000	QJ
2,3',4,5'-Tetrachlorobiphenyl	68	9170000	817000	J
2,3',4,6'-Tetrachlorobiphenyl	69		1040000	C49
2,3',4',5'-Tetrachlorobiphenyl	70		852000	C61
2,3',4',6'-Tetrachlorobiphenyl	71		1220000	C40
2,3',5,5'-Tetrachlorobiphenyl	72	6420000	869000	J
2,3',5,6'-Tetrachlorobiphenyl	73		1110000	C43
2,4,4',5'-Tetrachlorobiphenyl	74		852000	C61
2,4,4',6'-Tetrachlorobiphenyl	75		887000	C59
2,3',4',5'-Tetrachlorobiphenyl	76		852000	C61
3,3',4,4'-Tetrachlorobiphenyl	77	8100000	784000	J
3,3',4,5'-Tetrachlorobiphenyl	78		869000	U

Confluence Area Bank Surface Soil Sample PCB Congener Results

CAT-1W

May 31, 2005

Amtrak Former Fueling Facility

4001 Vandever Avenue

Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
3,3',4,5'-Tetrachlorobiphenyl	79	2370000	734000	J
3,3',5,5'-Tetrachlorobiphenyl	80		781000	U
3,4,4',5'-Tetrachlorobiphenyl	81		709000	U
2,2',3,3',4-Pentachlorobiphenyl	82	39700000	2130000	QJ
2,2',3,3',5-Pentachlorobiphenyl	83	23800000	2200000	QJ
2,2',3,3',6-Pentachlorobiphenyl	84	103000000	2150000	
2,2',3,4,4'-Pentachlorobiphenyl	85	63600000	1520000	QCJ
2,2',3,4,5-Pentachlorobiphenyl	86	206000000	1530000	C
2,2',3,4,5'-Pentachlorobiphenyl	87		1530000	C86J
2,2',3,4,6-Pentachlorobiphenyl	88	101000000	1900000	C
2,2',3,4,6'-Pentachlorobiphenyl	89		2050000	U
2,2',3,4',5-Pentachlorobiphenyl	90	495000000	1590000	C
2,2',3,4',6-Pentachlorobiphenyl	91		1900000	C88
2,2',3,5,5'-Pentachlorobiphenyl	92	123000000	1930000	
2,2',3,5,6-Pentachlorobiphenyl	93	22800000	1860000	C
2,2',3,5,6'-Pentachlorobiphenyl	94	9370000	2030000	QJ
2,2',3,5',6-Pentachlorobiphenyl	95	449000000	1860000	J
2,2',3,6,6'-Pentachlorobiphenyl	96	4560000	1420000	QJ
2,2',3,4',5'-Pentachlorobiphenyl	97		1530000	C86
2,2',3,4',6'-Pentachlorobiphenyl	98	20400000	1890000	C
2,2',4,4',5-Pentachlorobiphenyl	99	184000000	1520000	C
2,2',4,4',6-Pentachlorobiphenyl	100		1860000	C93
2,2',4,5,5'-Pentachlorobiphenyl	101		1590000	C90
2,2',4,5,6'-Pentachlorobiphenyl	102		1890000	C98
2,2',4,5,6-Pentachlorobiphenyl	103	13200000	1740000	J
2,2',4,6,6'-Pentachlorobiphenyl	104		1370000	U
2,3,3',4,4'-Pentachlorobiphenyl	105	104000000	851000	
2,3,3',4,5-Pentachlorobiphenyl	106		930000	U
2,3,3',4',5-Pentachlorobiphenyl	107	25600000	823000	
2,3,3',4,5'-Pentachlorobiphenyl	108	14000000	916000	C
2,3,3',4,6-Pentachlorobiphenyl	109		1530000	C86
2,3,3',4',6-Pentachlorobiphenyl	110	544000000	1350000	C
2,3,3',5,5'-Pentachlorobiphenyl	111		1300000	U
2,3,3',5,6-Pentachlorobiphenyl	112		1520000	C99
2,3,3',5',6-Pentachlorobiphenyl	113		1590000	C90
2,3,4,4',5-Pentachlorobiphenyl	114	5680000	723000	J
2,3,4,4',6-Pentachlorobiphenyl	115		1350000	C110
2,3,4,5,6-Pentachlorobiphenyl	116		1520000	C85
2,3,4',5,6-Pentachlorobiphenyl	117		1520000	C85

**Confluence Area Bank Surface Soil Sample PCB Congener Results
CAT-1W**

May 31, 2005

Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,3',4,4',5-Pentachlorobiphenyl	118	247000000	819000	
2,3',4,4',6-Pentachlorobiphenyl	119		1530000	C86
2,3',4,5,5'-Pentachlorobiphenyl	120	4030000	1250000	QJ
2,3',4,5',6-Pentachlorobiphenyl	121		1360000	U
2,3',3',4',5'-Pentachlorobiphenyl	122	6790000	964000	J
2,3',4,4',5'-Pentachlorobiphenyl	123	5690000	786000	QJ
2,3',4',5,5'-Pentachlorobiphenyl	124		916000	C108
2,3',4',5',6-Pentachlorobiphenyl	125		1530000	C86
3,3',4,4',5-Pentachlorobiphenyl	126	2800000	892000	J
3,3',4,5,5'-Pentachlorobiphenyl	127		852000	U
2,2',3,3',4,4'-Hexachlorobiphenyl	128	164000000	1460000	C
2,2',3,3',4,5-Hexachlorobiphenyl	129	1480000000	1500000	C
2,2',3,3',4,5'-Hexachlorobiphenyl	130	770000000	1910000	
2,2',3,3',4,6-Hexachlorobiphenyl	131	103000000	1920000	QJ
2,2',3,3',4,6'-Hexachlorobiphenyl	132	438000000	1870000	
2,2',3,3',5,5'-Hexachlorobiphenyl	133	236000000	1760000	
2,2',3,3',5,6-Hexachlorobiphenyl	134	620000000	1920000	C
2,2',3,3',5,6'-Hexachlorobiphenyl	135	696000000	2700000	C
2,2',3,3',6,6'-Hexachlorobiphenyl	136	221000000	2000000	
2,2',3,4,4',5-Hexachlorobiphenyl	137	151000000	1430000	QCJ
2,2',3,4,4',5'-Hexachlorobiphenyl	138		1500000	C129
2,2',3,4,4',6-Hexachlorobiphenyl	139	129000000	1610000	CJ
2,2',3,4,4',6'-Hexachlorobiphenyl	140		1610000	C139
2,2',3,4,5,5'-Hexachlorobiphenyl	141	342000000	1710000	
2,2',3,4,5,6-Hexachlorobiphenyl	142		1890000	U
2,2',3,4,5,6'-Hexachlorobiphenyl	143		1920000	C134
2,2',3,4,5',6-Hexachlorobiphenyl	144	94300000	2640000	
2,2',3,4,6,6'-Hexachlorobiphenyl	145		2050000	U
2,2',3,4',5,5'-Hexachlorobiphenyl	146	241000000	1550000	J
2,2',3,4',5,6-Hexachlorobiphenyl	147	1240000000	1550000	C
2,2',3,4',5,6'-Hexachlorobiphenyl	148		2690000	U
2,2',3,4',5',6-Hexachlorobiphenyl	149		1550000	C147
2,2',3,4',6,6'-Hexachlorobiphenyl	150	4510000	1960000	J
2,2',3,5,5',6-Hexachlorobiphenyl	151		2700000	C135
2,2',3,5,6,6'-Hexachlorobiphenyl	152		1940000	U
2,2',4,4',5,5'-Hexachlorobiphenyl	153	1380000000	1320000	C
2,2',4,4',5,6'-Hexachlorobiphenyl	154	191000000	2310000	
2,2',4,4',6,6'-Hexachlorobiphenyl	155		1880000	U
2,3,3',4,4',5-Hexachlorobiphenyl	156	82100000	1220000	C

**Confluence Area Bank Surface Soil Sample PCB Congener Results
CAT-1W**

May 31, 2005

Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,3,3',4,4',5'-Hexachlorobiphenyl	157		1220000	C156
2,3,3',4,4',6'-Hexachlorobiphenyl	158	125000000	1150000	
2,3,3',4,5,5'-Hexachlorobiphenyl	159	253000000	1210000	J
2,3,3',4,5,6'-Hexachlorobiphenyl	160		1340000	U
2,3,3',4,5',6'-Hexachlorobiphenyl	161		1250000	U
2,3,3',4',5,5'-Hexachlorobiphenyl	162	6070000	1200000	J
2,3,3',4',5,6'-Hexachlorobiphenyl	163		1500000	C129
2,3,3',4',5',6'-Hexachlorobiphenyl	164		1430000	C137
2,3,3',5,5',6'-Hexachlorobiphenyl	165		1370000	U
2,3,4,4',5,6'-Hexachlorobiphenyl	166		1460000	C128
2,3',4,4',5,5'-Hexachlorobiphenyl	167	57100000	1000000	J
2,3',4,4',5',6'-Hexachlorobiphenyl	168		1320000	C153
3,3',4,4',5,5'-Hexachlorobiphenyl	169	1900000	1100000	J
2,2',3,3',4,4',5-Heptachlorobiphenyl	170	562000000	1250000	
2,2',3,3',4,4',6-Heptachlorobiphenyl	171	216000000	1530000	C
2,2',3,3',4,5,5'-Heptachlorobiphenyl	172	128000000	1550000	
2,2',3,3',4,5,6-Heptachlorobiphenyl	173		1530000	C171
2,2',3,3',4,5,6'-Heptachlorobiphenyl	174	689000000	1440000	
2,2',3,3',4,5',6-Heptachlorobiphenyl	175	28100000	1380000	
2,2',3,3',4,6,6'-Heptachlorobiphenyl	176	83300000	1090000	
2,2',3,3',4,5',6'-Heptachlorobiphenyl	177	401000000	1540000	
2,2',3,3',5,5',6-Heptachlorobiphenyl	178	123000000	1480000	
2,2',3,3',5,6,6'-Heptachlorobiphenyl	179	261000000	1080000	
2,2',3,4,4',5,5'-Heptachlorobiphenyl	180	1290000000	969000	C
2,2',3,4,4',5,6-Heptachlorobiphenyl	181	3320000	1430000	QJ
2,2',3,4,4',5,6'-Heptachlorobiphenyl	182	2890000	1390000	QJ
2,2',3,4,4',5',6-Heptachlorobiphenyl	183	474000000	1380000	C
2,2',3,4,4',6,6'-Heptachlorobiphenyl	184		1010000	U
2,2',3,4,5,5',6-Heptachlorobiphenyl	185		1380000	C183
2,2',3,4,5,6,6'-Heptachlorobiphenyl	186		1100000	U
2,2',3,4',5,5',6-Heptachlorobiphenyl	187	753000000	1300000	
2,2',3,4',5,6,6'-Heptachlorobiphenyl	188		1050000	U
2,3,3',4,4',5,5'-Heptachlorobiphenyl	189	27500000	949000	
2,3,3',4,4',5,6-Heptachlorobiphenyl	190	138000000	1110000	
2,3,3',4,4',5',6-Heptachlorobiphenyl	191	32800000	1080000	
2,3,3',4,5,5',6-Heptachlorobiphenyl	192		1170000	U
2,3,3',4',5,5',6-Heptachlorobiphenyl	193		1170000	C180J
2,2',3,3',4,4',5,5'-Octachlorobiphenyl	194	354000000	1170000	
2,2',3,3',4,4',5,6-Octachlorobiphenyl	195	149000000	1290000	

Confluence Area Bank Surface Soil Sample PCB Congener Results
CAT-1W
May 31, 2005
Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	196	244000000	1760000	J
2,2',3,3',4,4',6,6'-Octachlorobiphenyl	197	75400000	1280000	C
2,2',3,3',4,5,5',6'-Octachlorobiphenyl	198	442000000	1750000	C
2,2',3,3',4,5,5',6'-Octachlorobiphenyl	199		1750000	C198
2,2',3,3',4,5,6,6'-Octachlorobiphenyl	200		1280000	C197
2,2',3,3',4,5',6,6'-Octachlorobiphenyl	201	52600000	1280000	
2,2',3,3',5,5',6,6'-Octachlorobiphenyl	202	68100000	1350000	
2,2',3,4,4',5,5',6'-Octachlorobiphenyl	203	261000000	1610000	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl	204		1320000	U
2,3,3',4,4',5,5',6'-Octachlorobiphenyl	205	15700000	816000	J
2,2',3,3',4,4',5,5',6'-Nonachlorobiphenyl	206	41700000	1300000	
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	207	7830000	1180000	J
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	208	1100000	1130000	J
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	209	1060000	469000	QRJ

TOTAL = 1811398000

Notes:

Data has been validated by SECOR personnel.

B = The analyte was detected in the method, field and/or trip blank.

C = Co-eluting congener. Reported value is the total sum of the co-eluting congener(s).

Cx = Corresponding number (x) represents the co-eluting congener. See (x) for the summed results.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

U = The analyte was analyzed for, but not detected above the reported sample quantitation limit.

UU = The analyte was not detected above the reported sample quantitation. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Q = Estimated maximum possible concentration.

R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria.

The presence or absence of the analyte cannot be verified.

pg/kg = Picograms per kilogram.

Western Drainage Ditch Bank Surface Soil Sample PCB Congener Results

WDT-2W

May 19, 2005

Amtrak Former Fueling Facility

4001 Vandever Avenue

Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2-Chlorobiphenyl	1	147000	37300	QJ
3-Chlorobiphenyl	2		34200	U
4-Chlorobiphenyl	3		29700	U
2,2'-Dichlorobiphenyl	4	637000	392000	QJ
2,3-Dichlorobiphenyl	5		245000	U
2,3'-Dichlorobiphenyl	6		225000	U
2,4-Dichlorobiphenyl	7		235000	U
2,4'-Dichlorobiphenyl	8	1230000	225000	QJ
2,5-Dichlorobiphenyl	9		236000	U
2,6-Dichlorobiphenyl	10		244000	U
3,3'-Dichlorobiphenyl	11		235000	U
3,4-Dichlorobiphenyl	12		685000	UBCJ
3,4'-Dichlorobiphenyl	13		685000	UBC12J
3,5-Dichlorobiphenyl	14		225000	U
4,4'-Dichlorobiphenyl	15		181000	QBJ
2,2',3-Trichlorobiphenyl	16	791000	201000	J
2,2',4-Trichlorobiphenyl	17	963000	162000	J
2,2',5-Trichlorobiphenyl	18	2220000	134000	C
2,2',6-Trichlorobiphenyl	19	637000	175000	QJ
2,3,3'-Trichlorobiphenyl	20		201500	BCJ
2,3,4-Trichlorobiphenyl	21	1870000	61500	C
2,3,4'-Trichlorobiphenyl	22	1480000	64500	J
2,3,5-Trichlorobiphenyl	23		66000	U
2,3,6-Trichlorobiphenyl	24		118000	U
2,3',4-Trichlorobiphenyl	25	743000	55900	J
2,3',5-Trichlorobiphenyl	26	816000	61700	QCJ
2,3',6-Trichlorobiphenyl	27	279000	115000	QJ
2,4,4'-Trichlorobiphenyl	28		201500	BC20J
2,4,5-Trichlorobiphenyl	29		61700	C26
2,4,6-Trichlorobiphenyl	30		134000	C18
2,4',5-Trichlorobiphenyl	31		60600	B
2,4',6-Trichlorobiphenyl	32	1490000	105000	J
2,3',4'-Trichlorobiphenyl	33		61500	C21
2,3',5'-Trichlorobiphenyl	34		64200	U
3,3',4-Trichlorobiphenyl	35		63600	U
3,3',5-Trichlorobiphenyl	36		59400	U
3,4,4'-Trichlorobiphenyl	37	1540000	53000	J
3,4,5-Trichlorobiphenyl	38		60900	U
3,4',5-Trichlorobiphenyl	39		56400	U

Western Drainage Ditch Bank Surface Soil Sample PCB Congener Results
WDT-2W
May 19, 2005
Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,2',3,3'-Tetrachlorobiphenyl	40	4160000	141000	QC
2,2',3,4'-Tetrachlorobiphenyl	41		141000	QC40J
2,2',3,4'-Tetrachlorobiphenyl	42	1810000	157000	J
2,2',3,5'-Tetrachlorobiphenyl	43	706000	130000	QCJ
2,2',3,5'-Tetrachlorobiphenyl	44	10700000	128000	C
2,2',3,6'-Tetrachlorobiphenyl	45	7000000	148000	C
2,2',3,6'-Tetrachlorobiphenyl	46	1350000	173000	QJ
2,2',4,4'-Tetrachlorobiphenyl	47		128000	C44
2,2',4,5'-Tetrachlorobiphenyl	48	777000	142000	J
2,2',4,5'-Tetrachlorobiphenyl	49	5960000	121000	C
2,2',4,6'-Tetrachlorobiphenyl	50	5540000	142000	C
2,2',4,6'-Tetrachlorobiphenyl	51		148000	C45
2,2',5,5'-Tetrachlorobiphenyl	52	9700000	136000	
2,2',5,6'-Tetrachlorobiphenyl	53		142000	C50
2,2',6,6'-Tetrachlorobiphenyl	54	762000	214000	J
2,3,3',4'-Tetrachlorobiphenyl	55		107000	U
2,3,3',4'-Tetrachlorobiphenyl	56	3580000	105000	
2,3,3',5'-Tetrachlorobiphenyl	57		105000	U
2,3,3',5'-Tetrachlorobiphenyl	58		102000	U
2,3,3',6'-Tetrachlorobiphenyl	59	566000	103000	QCJ
2,3,4,4'-Tetrachlorobiphenyl	60	1540000	103000	J
2,3,4,5'-Tetrachlorobiphenyl	61		99000	BC
2,3,4,6'-Tetrachlorobiphenyl	62		103000	C59
2,3,4',5'-Tetrachlorobiphenyl	63	318000	98100	QJ
2,3,4',6'-Tetrachlorobiphenyl	64	2400000	103000	
2,3,5,6'-Tetrachlorobiphenyl	65		128000	C44
2,3',4,4'-Tetrachlorobiphenyl	66	9930000	97500	
2,3',4,5'-Tetrachlorobiphenyl	67	241000	91300	QJ
2,3',4,5'-Tetrachlorobiphenyl	68	580000	94900	QJ
2,3',4,6'-Tetrachlorobiphenyl	69		121000	C49
2,3',4',5'-Tetrachlorobiphenyl	70		99000	C61
2,3',4',6'-Tetrachlorobiphenyl	71		141000	C40
2,3',5,5'-Tetrachlorobiphenyl	72	251000	101000	QRJ
2,3',5,6'-Tetrachlorobiphenyl	73		130000	C43J
2,4,4',5'-Tetrachlorobiphenyl	74		99000	C61
2,4,4',6'-Tetrachlorobiphenyl	75		103000	C59
2,3',4',5'-Tetrachlorobiphenyl	76		99000	C61
3,3',4,4'-Tetrachlorobiphenyl	77	1740000	91100	J
3,3',4,5'-Tetrachlorobiphenyl	78		101000	U

Western Drainage Ditch Bank Surface Soil Sample PCB Congener Results
WDT-2W
May 19, 2005
Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
3,3',4,5'-Tetrachlorobiphenyl	79	595000	85300	J
3,3',5,5'-Tetrachlorobiphenyl	80		90700	U
3,4,4',5'-Tetrachlorobiphenyl	81		80700	U
2,2',3,3',4'-Pentachlorobiphenyl	82	6070000	269000	
2,2',3,3',5'-Pentachlorobiphenyl	83	5710000	279000	
2,2',3,3',6'-Pentachlorobiphenyl	84	19500000	272000	
2,2',3,4,4'-Pentachlorobiphenyl	85	9630000	193000	C
2,2',3,4,5'-Pentachlorobiphenyl	86	31300000	193000	QC
2,2',3,4,5'-Pentachlorobiphenyl	87		193000	C86
2,2',3,4,6'-Pentachlorobiphenyl	88	24300000	240000	C
2,2',3,4,6'-Pentachlorobiphenyl	89	595000	260000	J
2,2',3,4',5'-Pentachlorobiphenyl	90		287000	BCJ
2,2',3,4',6'-Pentachlorobiphenyl	91		240000	C88
2,2',3,5,5'-Pentachlorobiphenyl	92	33300000	244000	
2,2',3,5,6'-Pentachlorobiphenyl	93	7970000	235000	C
2,2',3,5,6'-Pentachlorobiphenyl	94	2540000	257000	J
2,2',3,5',6'-Pentachlorobiphenyl	95		530000	BJ
2,2',3,6,6'-Pentachlorobiphenyl	96	975000	179000	QJ
2,2',3,4',5'-Pentachlorobiphenyl	97		193000	C86
2,2',3,4',6'-Pentachlorobiphenyl	98	4680000	240000	C
2,2',4,4',5'-Pentachlorobiphenyl	99	27300000	192000	C
2,2',4,4',6'-Pentachlorobiphenyl	100		235000	C93
2,2',4,5,5'-Pentachlorobiphenyl	101		287000	BC90J
2,2',4,5,6'-Pentachlorobiphenyl	102		240000	C98J
2,2',4,5',6'-Pentachlorobiphenyl	103	4390000	221000	J
2,2',4,6,6'-Pentachlorobiphenyl	104		174000	U
2,3,3',4,4'-Pentachlorobiphenyl	105	22500000	112000	
2,3,3',4,5'-Pentachlorobiphenyl	106		118000	U
2,3,3',4',5'-Pentachlorobiphenyl	107	4310000	104000	
2,3,3',4,5'-Pentachlorobiphenyl	108	2840000	116000	C
2,3,3',4,6'-Pentachlorobiphenyl	109		193000	C86
2,3,3',4',6'-Pentachlorobiphenyl	110		257500	BCJ
2,3,3',5,5'-Pentachlorobiphenyl	111	381000	164000	QJ
2,3,3',5,6'-Pentachlorobiphenyl	112		192000	C99
2,3,3',5',6'-Pentachlorobiphenyl	113		287000	BC90J
2,3,4,4',5'-Pentachlorobiphenyl	114	1200000	91300	QJ
2,3,4,4',6'-Pentachlorobiphenyl	115		257500	BC110J
2,3,4,5,6'-Pentachlorobiphenyl	116		193000	C85
2,3,4',5,6'-Pentachlorobiphenyl	117		193000	C85

Western Drainage Ditch Bank Surface Soil Sample PCB Congener Results
WDT-2W

May 19, 2005

Amtrak Former Fueling Facility

4001 Vandever Avenue

Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,3',4,4',5-Pentachlorobiphenyl	118	41300000	90000	
2,3',4,4',6-Pentachlorobiphenyl	119		193000	C86
2,3',4,5,5'-Pentachlorobiphenyl	120	1310000	158000	J
2,3',4,5,6-Pentachlorobiphenyl	121		172000	U
2,3,3',4',5'-Pentachlorobiphenyl	122	1270000	122000	J
2,3',4,4',5'-Pentachlorobiphenyl	123	1380000	104000	J
2,3',4',5,5'-Pentachlorobiphenyl	124		116000	C108J
2,3',4',5,6-Pentachlorobiphenyl	125		193000	C86
3,3',4,4',5-Pentachlorobiphenyl	126	1440000	122000	J
3,3',4,5,5'-Pentachlorobiphenyl	127	550000	108000	J
2,2',3,3',4,4'-Hexachlorobiphenyl	128	93600000	263000	C
2,2',3,3',4,5-Hexachlorobiphenyl	129		1080000	BCJ
2,2',3,3',4,5'-Hexachlorobiphenyl	130	46100000	342000	
2,2',3,3',4,6-Hexachlorobiphenyl	131	5390000	345000	J
2,2',3,3',4,6'-Hexachlorobiphenyl	132	272000000	336000	
2,2',3,3',5,5'-Hexachlorobiphenyl	133	14500000	316000	
2,2',3,3',5,6-Hexachlorobiphenyl	134	36200000	344000	C
2,2',3,3',5,6'-Hexachlorobiphenyl	135		505000	BCJ
2,2',3,3',6,6'-Hexachlorobiphenyl	136	130000000	360000	
2,2',3,4,4',5-Hexachlorobiphenyl	137	98300000	257000	C
2,2',3,4,4',5'-Hexachlorobiphenyl	138		1080000	BC129J
2,2',3,4,4',6-Hexachlorobiphenyl	139	6580000	289000	CJ
2,2',3,4,4',6'-Hexachlorobiphenyl	140		289000	C139
2,2',3,4,5,5'-Hexachlorobiphenyl	141	218000000	306000	
2,2',3,4,5,6-Hexachlorobiphenyl	142		339000	U
2,2',3,4,5,6'-Hexachlorobiphenyl	143		344000	C134
2,2',3,4,5,6-Hexachlorobiphenyl	144	58500000	474000	
2,2',3,4,6,6'-Hexachlorobiphenyl	145		367000	U
2,2',3,4',5,5'-Hexachlorobiphenyl	146	153000000	277000	
2,2',3,4',5,6-Hexachlorobiphenyl	147		975000	BCJ
2,2',3,4',5,6'-Hexachlorobiphenyl	148	1450000	483000	J
2,2',3,4',5',6-Hexachlorobiphenyl	149		975000	BC147J
2,2',3,4',6,6'-Hexachlorobiphenyl	150	1830000	352000	J
2,2',3,5,5',6-Hexachlorobiphenyl	151		505000	BC135J
2,2',3,5,6,6'-Hexachlorobiphenyl	152	795000	347000	J
2,2',4,4',5,5'-Hexachlorobiphenyl	153		660000	BCJ
2,2',4,4',5,6'-Hexachlorobiphenyl	154	10700000	415000	
2,2',4,4',6,6'-Hexachlorobiphenyl	155		336000	U
2,3,3',4,4',5-Hexachlorobiphenyl	156	29900000	223000	C

Western Drainage Ditch Bank Surface Soil Sample PCB Congener Results

WDT-2W

May 19, 2005

Amtrak Former Fueling Facility

4001 Vandever Avenue

Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,3,3',4,4',5'-Hexachlorobiphenyl	157		223000	C156
2,3,3',4,4',6'-Hexachlorobiphenyl	158	66300000	206000	
2,3,3',4,5,5'-Hexachlorobiphenyl	159	18500000	216000	
2,3,3',4,5,6'-Hexachlorobiphenyl	160		241000	U
2,3,3',4,5',6'-Hexachlorobiphenyl	161		224000	U
2,3,3',4',5,5'-Hexachlorobiphenyl	162	2940000	216000	QJ
2,3,3',4',5,6'-Hexachlorobiphenyl	163		1080000	BC129J
2,3,3',4',5',6'-Hexachlorobiphenyl	164		257000	C137
2,3,3',5,5',6'-Hexachlorobiphenyl	165	639000	246000	QJ
2,3,4,4',5,6'-Hexachlorobiphenyl	166		263000	C128
2,3',4,4',5,5'-Hexachlorobiphenyl	167	32700000	173000	
2,3',4,4',5,6'-Hexachlorobiphenyl	168		660000	BC153J
3,3',4,4',5,5'-Hexachlorobiphenyl	169	1470000	201000	J
2,2',3,3',4,4',5-Heptachlorobiphenyl	170		309500	BJ
2,2',3,3',4,4',6-Heptachlorobiphenyl	171	14000000	223000	C
2,2',3,3',4,5,5'-Heptachlorobiphenyl	172	85900000	226000	
2,2',3,3',4,5,6-Heptachlorobiphenyl	173		223000	C171
2,2',3,3',4,5,6'-Heptachlorobiphenyl	174		362500	BJ
2,2',3,3',4,5',6-Heptachlorobiphenyl	175	17000000	200000	
2,2',3,3',4,6,6'-Heptachlorobiphenyl	176	55500000	159000	
2,2',3,3',4,5',6'-Heptachlorobiphenyl	177		224000	BJ
2,2',3,3',5,5',6-Heptachlorobiphenyl	178	90300000	215000	
2,2',3,3',5,6,6'-Heptachlorobiphenyl	179	185000000	157000	
2,2',3,4,4',5,5'-Heptachlorobiphenyl	180		935000	BCJ
2,2',3,4,4',5,6-Heptachlorobiphenyl	181	2240000	209000	
2,2',3,4,4',5,6'-Heptachlorobiphenyl	182	2350000	203000	
2,2',3,4,4',5',6-Heptachlorobiphenyl	183		405500	BCJ
2,2',3,4,4',6,6'-Heptachlorobiphenyl	184		148000	U
2,2',3,4,5,5',6-Heptachlorobiphenyl	185		405500	BC183J
2,2',3,4,5,6,6'-Heptachlorobiphenyl	186		161000	U
2,2',3,4',5,5',6-Heptachlorobiphenyl	187		439000	BJ
2,2',3,4',5,6,6'-Heptachlorobiphenyl	188		154000	U
2,3,3',4,4',5,5'-Heptachlorobiphenyl	189	17200000	142000	
2,3,3',4,4',5,6-Heptachlorobiphenyl	190	91100000	161000	
2,3,3',4,4',5',6-Heptachlorobiphenyl	191	19300000	158000	
2,3,3',4,5,5',6-Heptachlorobiphenyl	192		170000	U
2,3,3',4',5,5',6-Heptachlorobiphenyl	193		1055000	BC180J
2,2',3,3',4,4',5,5'-Octachlorobiphenyl	194	250000000	187000	
2,2',3,3',4,4',5,6-Octachlorobiphenyl	195	110000000	205000	

Western Drainage Ditch Bank Surface Soil Sample PCB Congener Results
WDT-2W
May 19, 2005
Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	196		280000	BJ
2,2',3,3',4,4',6,6'-Octachlorobiphenyl	197	49300000	204000	C
2,2',3,3',4,5,5',6'-Octachlorobiphenyl	198	300000000	278000	C
2,2',3,3',4,5,5',6'-Octachlorobiphenyl	199		278000	C198
2,2',3,3',4,5,6,6'-Octachlorobiphenyl	200		204000	C197
2,2',3,3',4,5',6,6'-Octachlorobiphenyl	201	34300000	204000	
2,2',3,3',5,5',6,6'-Octachlorobiphenyl	202	46100000	215000	
2,2',3,4,4',5,5',6'-Octachlorobiphenyl	203	186000000	256000	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl	204		210000	U
2,3,3',4,4',5,5',6'-Octachlorobiphenyl	205	11500000	130000	
2,2',3,3',4,4',5,5',6'-Nonachlorobiphenyl	206	29400000	176000	
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	207	4750000	159000	J
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	208	6300000	153000	J
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	209	7280000	88100	

TOTAL = 3,382,004,000

Notes:

Data validated by SECOR personnel

B = Analyte is present in the associated method blank at a reportable level.

C = Co-eluting congener. Reported value is the total sum of the co-eluting congener(s).

Cx = Corresponding number (x) represents the co-eluting congener. See (x) for the summed results.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

U = Not detected.

Q = Estimated maximum possible concentration.

R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria.

The presence or absence of the analyte cannot be verified.

pg/kg = Picograms per kilogram.

Western Drainage Ditch Bank Surface Soil Sample PCB Congener Results

WDT-8E

June 2, 2005

Amtrak Former Fueling Facility

4001 Vandever Avenue

Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2-Chlorobiphenyl	1		32600	U
3-Chlorobiphenyl	2	164000	29900	QJ
4-Chlorobiphenyl	3	228000	25900	J
2,2'-Dichlorobiphenyl	4		359000	U
2,3-Dichlorobiphenyl	5		224000	U
2,3'-Dichlorobiphenyl	6		206000	U
2,4-Dichlorobiphenyl	7		215000	U
2,4'-Dichlorobiphenyl	8	974000	206000	QJ
2,5-Dichlorobiphenyl	9		216000	U
2,6-Dichlorobiphenyl	10		223000	U
3,3'-Dichlorobiphenyl	11		216000	U
3,4-Dichlorobiphenyl	12		685000	UBCJ
3,4'-Dichlorobiphenyl	13		685000	UBC12J
3,5-Dichlorobiphenyl	14		206000	U
4,4'-Dichlorobiphenyl	15		166000	QBJ
2,2',3-Trichlorobiphenyl	16	333000	143000	QJ
2,2',4-Trichlorobiphenyl	17	283000	116000	QJ
2,2',5-Trichlorobiphenyl	18	569000	95600	QCJ
2,2',6-Trichlorobiphenyl	19		125000	U
2,3,3'-Trichlorobiphenyl	20		201500	BCJ
2,3,4-Trichlorobiphenyl	21	764000	43800	CJ
2,3,4'-Trichlorobiphenyl	22	709000	46000	J
2,3,5-Trichlorobiphenyl	23		47100	U
2,3,6-Trichlorobiphenyl	24		83900	U
2,3',4-Trichlorobiphenyl	25	141000	39900	QJ
2,3',5-Trichlorobiphenyl	26	250000	44000	QCJ
2,3',6-Trichlorobiphenyl	27		81700	U
2,4,4'-Trichlorobiphenyl	28		201500	BC20J
2,4,5-Trichlorobiphenyl	29		44000	C26
2,4,6-Trichlorobiphenyl	30		95600	C18
2,4',5-Trichlorobiphenyl	31		43200	BJ
2,4',6-Trichlorobiphenyl	32	393000	75000	J
2,3',4'-Trichlorobiphenyl	33		43800	C21
2,3',5'-Trichlorobiphenyl	34		45700	U
3,3',4-Trichlorobiphenyl	35		45400	U
3,3',5-Trichlorobiphenyl	36		42300	U
3,4,4'-Trichlorobiphenyl	37	1450000	37800	J
3,4,5-Trichlorobiphenyl	38		43400	U
3,4',5-Trichlorobiphenyl	39		40200	U

Western Drainage Ditch Bank Surface Soil Sample PCB Congener Results
WDT-8E

June 2, 2005

Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,2',3,3'-Tetrachlorobiphenyl	40	1910000	116000	C
2,2',3,4'-Tetrachlorobiphenyl	41		116000	C40
2,2',3,4'-Tetrachlorobiphenyl	42	946000	129000	J
2,2',3,5'-Tetrachlorobiphenyl	43		106000	U
2,2',3,5'-Tetrachlorobiphenyl	44	3590000	105000	C
2,2',3,6'-Tetrachlorobiphenyl	45	1120000	121000	QCJ
2,2',3,6'-Tetrachlorobiphenyl	46	554000	142000	QJ
2,2',4,4'-Tetrachlorobiphenyl	47		105000	C44
2,2',4,5'-Tetrachlorobiphenyl	48	418000	116000	QJ
2,2',4,5'-Tetrachlorobiphenyl	49	1980000	99300	C
2,2',4,6'-Tetrachlorobiphenyl	50	1580000	117000	CJ
2,2',4,6'-Tetrachlorobiphenyl	51		121000	C45
2,2',5,5'-Tetrachlorobiphenyl	52	4300000	111000	
2,2',5,6'-Tetrachlorobiphenyl	53		117000	C50
2,2',6,6'-Tetrachlorobiphenyl	54		176000	U
2,3,3',4'-Tetrachlorobiphenyl	55		87600	U
2,3,3',4'-Tetrachlorobiphenyl	56	3050000	86300	
2,3,3',5'-Tetrachlorobiphenyl	57		86100	U
2,3,3',5'-Tetrachlorobiphenyl	58		84000	U
2,3,3',6'-Tetrachlorobiphenyl	59	277000	84600	QCJ
2,3,4,4'-Tetrachlorobiphenyl	60	1440000	84800	QJ
2,3,4,5'-Tetrachlorobiphenyl	61		81200	BC
2,3,4,6'-Tetrachlorobiphenyl	62		84600	C59
2,3,4',5'-Tetrachlorobiphenyl	63	142000	80500	QJ
2,3,4',6'-Tetrachlorobiphenyl	64	1540000	84200	J
2,3,5,6'-Tetrachlorobiphenyl	65		105000	C44
2,3',4,4'-Tetrachlorobiphenyl	66	6950000	80000	
2,3',4,5'-Tetrachlorobiphenyl	67		74900	U
2,3',4,5'-Tetrachlorobiphenyl	68		77900	U
2,3',4,6'-Tetrachlorobiphenyl	69		99300	C49
2,3',4',5'-Tetrachlorobiphenyl	70		81200	C61
2,3',4',6'-Tetrachlorobiphenyl	71		116000	C40
2,3',5,5'-Tetrachlorobiphenyl	72		82900	U
2,3',5',6'-Tetrachlorobiphenyl	73		106000	U
2,4,4',5'-Tetrachlorobiphenyl	74		81200	C61
2,4,4',6'-Tetrachlorobiphenyl	75		84600	C59
2,3',4',5'-Tetrachlorobiphenyl	76		81200	C61
3,3',4,4'-Tetrachlorobiphenyl	77	2320000	74800	
3,3',4,5'-Tetrachlorobiphenyl	78		82800	U

Western Drainage Ditch Bank Surface Soil Sample PCB Congener Results
WDT-8E
June 2, 2005
Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
3,3',4,5'-Tetrachlorobiphenyl	79	203000	70000	QJ
3,3',5,5'-Tetrachlorobiphenyl	80		74500	U
3,4,4',5'-Tetrachlorobiphenyl	81	72100	66200	QJ
2,2',3,3',4-Pentachlorobiphenyl	82	3650000	190000	
2,2',3,3',5-Pentachlorobiphenyl	83	2090000	196000	
2,2',3,3',6-Pentachlorobiphenyl	84	10000000	192000	
2,2',3,4,4'-Pentachlorobiphenyl	85	4850000	136000	C
2,2',3,4,5-Pentachlorobiphenyl	86	14700000	136000	C
2,2',3,4,5'-Pentachlorobiphenyl	87		136000	C86
2,2',3,4,6-Pentachlorobiphenyl	88	6140000	169000	C
2,2',3,4,6'-Pentachlorobiphenyl	89	500000	183000	J
2,2',3,4',5-Pentachlorobiphenyl	90		287000	BCJ
2,2',3,4',6-Pentachlorobiphenyl	91		169000	C88
2,2',3,5,5'-Pentachlorobiphenyl	92	6320000	172000	
2,2',3,5,6-Pentachlorobiphenyl	93	506000	166000	CJ
2,2',3,5,6'-Pentachlorobiphenyl	94		181000	U
2,2',3,5',6-Pentachlorobiphenyl	95		530000	JB
2,2',3,6,6'-Pentachlorobiphenyl	96	269000	126000	J
2,2',3,4',5'-Pentachlorobiphenyl	97		136000	C86
2,2',3,4',6'-Pentachlorobiphenyl	98	999000	169000	QCJ
2,2',4,4',5-Pentachlorobiphenyl	99	10200000	135000	C
2,2',4,4',6-Pentachlorobiphenyl	100		166000	C93
2,2',4,5,5'-Pentachlorobiphenyl	101		287000	BC90J
2,2',4,5,6'-Pentachlorobiphenyl	102		169000	C98
2,2',4,5',6-Pentachlorobiphenyl	103	484000	155000	J
2,2',4,6,6'-Pentachlorobiphenyl	104		122000	U
2,3,3',4,4'-Pentachlorobiphenyl	105	15600000	74900	
2,3,3',4,5-Pentachlorobiphenyl	106		82800	U
2,3,3',4',5-Pentachlorobiphenyl	107	2130000	73300	
2,3,3',4,5'-Pentachlorobiphenyl	108	1560000	81600	CJ
2,3,3',4,6-Pentachlorobiphenyl	109		136000	C86
2,3,3',4',6-Pentachlorobiphenyl	110		257500	BCJ
2,3,3',5,5'-Pentachlorobiphenyl	111		116000	U
2,3,3',5,6-Pentachlorobiphenyl	112		135000	C99
2,3,3',5',6-Pentachlorobiphenyl	113		287000	BC90J
2,3,4,4',5-Pentachlorobiphenyl	114	577000	65700	J
2,3,4,4',6-Pentachlorobiphenyl	115		257500	BC110J
2,3,4,5,6-Pentachlorobiphenyl	116		136000	C85
2,3,4',5,6-Pentachlorobiphenyl	117		136000	C85

Western Drainage Ditch Bank Surface Soil Sample PCB Congener Results

WDT-8E

June 2, 2005

Amtrak Former Fueling Facility

4001 Vandever Avenue

Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,3',4,4',5-Pentachlorobiphenyl	118	31000000	64300	
2,3',4,4',6-Pentachlorobiphenyl	119		136000	C86
2,3',4,5,5'-Pentachlorobiphenyl	120		111000	U
2,3',4,5',6-Pentachlorobiphenyl	121		121000	U
2,3,3',4',5'-Pentachlorobiphenyl	122	705000	85900	J
2,3',4,4',5'-Pentachlorobiphenyl	123	869000	71200	J
2,3',4',5,5'-Pentachlorobiphenyl	124		81600	C108
2,3',4',5',6-Pentachlorobiphenyl	125		136000	C86
3,3',4,4',5-Pentachlorobiphenyl	126	716000	88900	QJ
3,3',4,5,5'-Pentachlorobiphenyl	127		75900	U
2,2',3,3',4,4'-Hexachlorobiphenyl	128	29400000	158000	C
2,2',3,3',4,5-Hexachlorobiphenyl	129		1080000	BCJ
2,2',3,3',4,5'-Hexachlorobiphenyl	130	14100000	206000	
2,2',3,3',4,6-Hexachlorobiphenyl	131	2040000	208000	
2,2',3,3',4,6'-Hexachlorobiphenyl	132	86000000	202000	
2,2',3,3',5,5'-Hexachlorobiphenyl	133	4240000	191000	
2,2',3,3',5,6-Hexachlorobiphenyl	134	10800000	208000	C
2,2',3,3',5,6'-Hexachlorobiphenyl	135		505000	BCJ
2,2',3,3',6,6'-Hexachlorobiphenyl	136	34100000	217000	
2,2',3,4,4',5-Hexachlorobiphenyl	137	34600000	155000	C
2,2',3,4,4',5'-Hexachlorobiphenyl	138		1080000	BC129J
2,2',3,4,4',6-Hexachlorobiphenyl	139	1900000	174000	C
2,2',3,4,4',6'-Hexachlorobiphenyl	140		174000	C139
2,2',3,4,5,5'-Hexachlorobiphenyl	141	61600000	185000	
2,2',3,4,5,6-Hexachlorobiphenyl	142		204000	U
2,2',3,4,5,6'-Hexachlorobiphenyl	143		208000	C134
2,2',3,4,5',6-Hexachlorobiphenyl	144	16000000	286000	
2,2',3,4,6,6'-Hexachlorobiphenyl	145		221000	U
2,2',3,4',5,5'-Hexachlorobiphenyl	146	42500000	167000	
2,2',3,4',5,6-Hexachlorobiphenyl	147		975000	BCJ
2,2',3,4',5,6'-Hexachlorobiphenyl	148		291000	U
2,2',3,4',5',6-Hexachlorobiphenyl	149		975000	BC147J
2,2',3,4',6,6'-Hexachlorobiphenyl	150		212000	U
2,2',3,5,5',6-Hexachlorobiphenyl	151		505000	BC135J
2,2',3,5,6,6'-Hexachlorobiphenyl	152		209000	U
2,2',4,4',5,5'-Hexachlorobiphenyl	153		660000	BCJ
2,2',4,4',5,6'-Hexachlorobiphenyl	154	2070000	250000	
2,2',4,4',6,6'-Hexachlorobiphenyl	155		203000	U
2,3,3',4,4',5-Hexachlorobiphenyl	156	15500000	129000	C

Western Drainage Ditch Bank Surface Soil Sample PCB Congener Results
WDT-8E

June 2, 2005

Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,3,3',4,4',5'-Hexachlorobiphenyl	157		129000	C156
2,3,3',4,4',6'-Hexachlorobiphenyl	158	23600000	124000	
2,3,3',4,5,5'-Hexachlorobiphenyl	159	6670000	130000	
2,3,3',4,5,6'-Hexachlorobiphenyl	160		145000	U
2,3,3',4,5',6'-Hexachlorobiphenyl	161		135000	U
2,3,3',4',5,5'-Hexachlorobiphenyl	162	992000	130000	QJ
2,3,3',4',5,6'-Hexachlorobiphenyl	163		1080000	BC129J
2,3,3',4',5',6'-Hexachlorobiphenyl	164		155000	C137
2,3,3',5,5',6'-Hexachlorobiphenyl	165		148000	U
2,3,4,4',5,6'-Hexachlorobiphenyl	166		158000	C128
2,3',4,4',5,5'-Hexachlorobiphenyl	167	11600000	109000	
2,3',4,4',5',6'-Hexachlorobiphenyl	168		660000	C153
3,3',4,4',5,5'-Hexachlorobiphenyl	169	512000	124000	J
2,2',3,3',4,4',5-Heptachlorobiphenyl	170		309500	BJ
2,2',3,3',4,4',6-Heptachlorobiphenyl	171	47800000	164000	C
2,2',3,3',4,5,5'-Heptachlorobiphenyl	172	30900000	166000	
2,2',3,3',4,5,6-Heptachlorobiphenyl	173		164000	C171
2,2',3,3',4,5,6'-Heptachlorobiphenyl	174		362500	BJ
2,2',3,3',4,5',6-Heptachlorobiphenyl	175	5290000	147000	
2,2',3,3',4,6,6'-Heptachlorobiphenyl	176	17000000	117000	
2,2',3,3',4,5',6'-Heptachlorobiphenyl	177		194500	BJ
2,2',3,3',5,5',6-Heptachlorobiphenyl	178	31200000	158000	
2,2',3,3',5,6,6'-Heptachlorobiphenyl	179	56700000	115000	
2,2',3,4,4',5,5'-Heptachlorobiphenyl	180		935000	BCJ
2,2',3,4,4',5,6-Heptachlorobiphenyl	181	670000	154000	QJ
2,2',3,4,4',5,6'-Heptachlorobiphenyl	182	591000	149000	QJ
2,2',3,4,4',5',6-Heptachlorobiphenyl	183		405500	BCJ
2,2',3,4,4',6,6'-Heptachlorobiphenyl	184		108000	U
2,2',3,4,5,5',6-Heptachlorobiphenyl	185		405500	BC183J
2,2',3,4,5,6,6'-Heptachlorobiphenyl	186		118000	U
2,2',3,4',5,5',6-Heptachlorobiphenyl	187		439000	BJ
2,2',3,4',5,6,6'-Heptachlorobiphenyl	188		113000	U
2,3,3',4,4',5,5'-Heptachlorobiphenyl	189	6840000	98000	J
2,3,3',4,4',5,6-Heptachlorobiphenyl	190	37700000	118000	
2,3,3',4,4',5',6-Heptachlorobiphenyl	191	7040000	116000	
2,3,3',4,5,5',6-Heptachlorobiphenyl	192		125000	U
2,3,3',4',5,5',6-Heptachlorobiphenyl	193		1055000	BC180J
2,2',3,3',4,4',5,5'-Octachlorobiphenyl	194	94700000	120000	
2,2',3,3',4,4',5,6-Octachlorobiphenyl	195	42300000	131000	

**Western Drainage Ditch Bank Surface Soil Sample PCB Congener Results
WDT-8E**

June 2, 2005

**Amtrak Former Fueling Facility
4001 Vandever Avenue
Wilmington, Delaware**

COMPOUND	IUPAC	Result (pg/kg)	Detection Limit (pg/kg)	Data Qualifier
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	196		179000	BJ
2,2',3,3',4,4',6,6'-Octachlorobiphenyl	197	16900000	131000	C
2,2',3,3',4,5,5',6-Octachlorobiphenyl	198	115000000	178000	C
2,2',3,3',4,5,5',6'-Octachlorobiphenyl	199		178000	C198
2,2',3,3',4,5,6,6'-Octachlorobiphenyl	200		131000	C197
2,2',3,3',4,5',6,6'-Octachlorobiphenyl	201	10200000	131000	
2,2',3,3',5,5',6,6'-Octachlorobiphenyl	202	16300000	138000	
2,2',3,4,4',5,5',6-Octachlorobiphenyl	203	74500000	164000	
2,2',3,4,4',5,6,6'-Octachlorobiphenyl	204		135000	U
2,3,3',4,4',5,5',6-Octachlorobiphenyl	205	4820000	83300	
2,2',3,3',4,4',5,6'-Nonachlorobiphenyl	206	15300000	139000	J
2,2',3,3',4,4',5,6'-Nonachlorobiphenyl	207	2080000	126000	
2,2',3,3',4,5,5',6'-Nonachlorobiphenyl	208	3860000	121000	
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	209	9770000	70700	

TOTAL = 1,198,200,100

Notes:

Data validated by SECOR personnel

B = Analyte is present in the associated method blank at a reportable level.

C = Co-eluting congener. Reported value is the total sum of the co-eluting congener(s).

Cx = Corresponding number (x) represents the co-eluting congener. See (x) for the summed results.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

U = The analyte was analyzed for, but not detected above the reported sample quantitation limit.

Q = Estimated maximum possible concentration.

pg/kg = Picograms per kilogram.

Appendix L

Hand Auger Soil Boring Logs

Eastern L Je Ditch
 Bank Soil Sample Results
 AMTRAK Former Fueling Facility
 4001 Vandever Avenue
 Wilmington, DE

SOIL BORING ID: EDT-1E		Drilling Method: Hand Auger
Sample Date: 7/6/05		Geologist(s): Sergio Morescalchi
Boring Diameter: 1.5"		Gray Clay Depth: 2.0'
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-1.0'	Peat	Peat; some silt; dark brown; wet.
1.0'-2.0'	Peat	Peat; clay; dark brown; wet.
Sample Name: EDT-1E		
Analysis: PCB'S, TPH-DRO		
Comments: 5.0' from the water.		
SOIL BORING ID: EDT-1E-1		Drilling Method: Hand Auger
Sample Date: 4-27-06		Geologist(s): Jim Miller
Boring Diameter: 1.5"		Gray Clay Depth: 0.5'
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Silt	Silt; dark brown to black, no odor or staining, non-plastic, trace fine sand and roots, moist, (fri)
0.5'-0.75'	Clay	Clay; hard, mottled gray to brown, no odor or staining, high plasticity.
Sample Name: EDT-1E-1A		
Analysis: PCB'S, TPH-DRO		
Comments:		
SOIL BORING ID: EDT-1W		Drilling Method: Hand Auger
Sample Date: 7/6/05		Geologist(s): Sergio Morescalchi
Boring Diameter: 1.5"		Gray Clay Depth: 6.4167'
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-1.0'	Silt	Silt; some fine to coarse sand; trace fine gravel; brown and dry.
1.0'-6.4167'	Silt/Sand	Silt and sand; fine to coarse in texture; little clay; gray; wet.
Sample Name: EDT-1W		
Analysis: PCB'S, TPH-DRO		
Comments: 4.0' from water		
SOIL BORING ID: EDT-1W-1		Drilling Method: Hand Auger
Sample Date: 5/17/06		Geologist(s): Jim Miller
Boring Diameter: 1.5"		Gray Clay Depth: Not encountered
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-2.5'	Silt	Silt; trace fine sand, little roots, non-plastic, black, subrounded gravel up to 1/2" on edge, moist, no odor or staining.
2.5'-4.5'	Sandy Clay	Sandy clay; fine sand, gray, high plasticity, moist, no odor or staining.
4.5'-6.5'	Sand/Gravel	Sand and gravel; sand; coarse grained; gravel; angular to subangular up to 1" or edge, non-plastic, saturated, no odor or staining.
6.5'-9.5'	Sand/Gravel w/ill	Sand and gravel; sand; coarse grained; gravel; angular to subangular up to 1" or edge, non-plastic, saturated, no odor or staining, brick present.
Sample Name: EDT-1W-1A, EDT-1W-1B(0.5'-3.5'), EDT-1W-1B(6.5'-9.5')		
Analysis: PCB'S, TPH-DRO		
Comments: Collapse of fill in hole caused termination. Clay not encountered.		

SOIL BORING ID: EDT-2E		Drilling Method: Hand Auger
Sample Date: 7/6/05		Geologist(s): Sergio Morescaichi
Boring Diameter: 1.5"	Gray Clay Depth: 1.0'	
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-1.0'	Silt	Silt and organic matter (roots phragmites), brown, wet.
Sample Name: EDT-2E		
Analysis: PCBs, TPH-DRO		
Comments: 4.0' from water		

SOIL BORING ID: EDT-2E-1		Drilling Method: Hand Auger
Sample Date: 4/27/06		Geologist(s): Jim Miller
Boring Diameter: 1.5"	Gray Clay Depth: 0.5'	
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Clayey Silt	Very clayey silt, black, no odor or staining, trace roots and worms, medium plasticity, moist.
0.5-3.5'	Clay	Brown and gray clay. Hard, high plasticity, no odor, roots, or staining.
Sample Name: EDT-2E-1A		
Analysis: PCBs, TPH-DRO		
Comments: Duplicated EDT-15E-1A taken		

SOIL BORING ID: EDT-2W		Drilling Method: Hand Auger
Sample Date: 6/6/05		Geologist(s): Sergio Morescaichi
Boring Diameter: 1.5"	Gray Clay Depth: 4.0'	
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-1.0'	Silt	Silt, some clay; little fine to coarse sand; trace organics (roots); black; dry.
1.0'-4.0'	Silt/Clay	Silt and clay; some fine to coarse sand; gray black and moist.
Sample Name: EDT-2W		
Analysis: PCBs, TPH-DRO		
Comments: 2.0' from water		

SOIL BORING ID: EDT-2W-1		Drilling Method: Hand Auger
Sample Date: 4/28/06		Geologist(s): Jim Miller
Boring Diameter: 1.5"	Gray Clay Depth: Not encountered	
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Silt	Silt, moist, little roots, trace fine sand, non-plastic, sub-angular gravel 1/2" on edge.
0.5-2.0'	Silt w/fill	Silt, moist, little roots, trace fine sand, non-plastic, sub-angular gravel 1/2" on edge. Red brick and metal shavings present.
2.0'-5.0'	Silt w/fill	Silt, moist, non-plastic, little coarse sand and gravel (subrounded and subangular) up to 1/2" on edge. Metal frags. and coal present.
5.0'-5.5'	Sand	Coarse angular sand, saturated
5.5'-9.5'	Sand and Gravel	Coarse sand and gravel, appears to be fill as gravel looks like old concrete pieces, non-plastic, saturated, no odor or staining.
Sample Name: EDT-2W-1A, EDT-2W-1B(0.5-3.5), EDT-2W-1B(3.5-6.5), EDT-2W-1B(6.5-9.5)		
Analysis: PCBs, TPH-DRO		
Comments: Clay not encountered due to cave in.		

SOIL BORING ID: EDT-3E	Drilling Method: Hand Auger
Sample Date: 7/6/05	Geologist(s): Sergio Morescaichi
Boring Diameter: 1.5"	Gray Clay Depth: 6.5'
Depth Interval (ft. bgs)	Lithology Type
0-0.5'	Sand
0.5-6.5'	Sand
Stratigraphic Description	
Sand fine to coarse silt; little clay; trace organics (roots); black; moist	
Same as above, but wet at 1.0' and slight petroleum odor (from 1.0'-4.0'); strong odor from 4.0'-6.5'.	
Sample Name: EDT-3E	
Analysis: PCB'S, TPH-DRO	
Comments:	

SOIL BORING ID: EDT-3E-1	Drilling Method: Hand Auger
Sample Date: 4/26/06	Geologist(s): Jim Miller
Boring Diameter: 1.5"	Gray Clay Depth: 6.0'
Depth Interval (ft. bgs)	Lithology Type
0-0.5'	Silt
0.5-3.5'	Sand
3.5-6.0'	Sand
6.0-7.0'	Clay
Stratigraphic Description	
Clayey silt, some clay, little sand, trace roots, moist, dark brown, no odor or staining.	
Clayey sand, fine through medium grained, dark brown, non-plastic, saturated. No odor or staining.	
Clayey sand, fine through medium grained, non-plastic, black, stained, strong petroleum odor.	
Sample Name: EDT-3E-1A, EDT-3E-1B(0.5-3.5), EDT-3E-1B(3.5-6.0)	
Analysis: PCB'S, TPH-DRO	
Comments:	

SOIL BORING ID: EDT-3W	Drilling Method: Hand Auger
Sample Date: 7/6/05	Geologist(s): Sergio Morescaichi
Boring Diameter: 1.5"	Gray Clay Depth: Not encountered
Depth Interval (ft. bgs)	Lithology Type
0-1.0'	Peat/Clay
1.0-2.0'	Sand/Silt
2.0'-6.0'	Sand/Silt
Stratigraphic Description	
Peat and clay, trace fine sand; dark brown and moist. Wet at 1.0'.	
Sand, fine to coarse and gravel, fine; little silt; black; wet	
Sand, fine to coarse and silt; some clay; pieces of glass and bolts; "tar like"; black; petroleum odor.	
Sample Name: EDT-3W	
Analysis: PCB'S, TPH-DRO	
Comments: Hand to auger at 6.0'. Same fabric material as EDT-4W present	

SOIL BORING ID: EDT-3W-1	Drilling Method: Hand Auger
Sample Date: 5/1/06	Geologist(s): Jim Miller
Boring Diameter: 1.5"	Gray Clay Depth: Not encountered
Depth Interval (ft. bgs)	Lithology Type
0-0.5'	Silt
0.5-2.0'	Sand
2.0'	
Stratigraphic Description	
Silt, brown, moist, non-plastic, trace roots and gravel (up to 1/2" subrounded) no odor or staining.	
Silt with little fine sand, brown, moist, non-plastic, trace roots and gravel (up to 1/2" subrounded) no odor or staining.	
Refusal on hard rock layer.	
Sample Name: EDT-3W-1A, EDT-3W-1B(0.5-2.0)	
Analysis: PCB'S, TPH-DRO	
Comments:	

SOIL BORING ID: EDT-4E		Drilling Method: Hand Auger
Sample Date: 7/5/05		Geologist(s): Sergio Morescalchi
Boring Diameter: 1.5"		Gray Clay Depth: Not encountered
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-1.0'	Silt	Silt; some fine sand; little medium to coarse sand; little organic matter (roots); black; dry.
1.0'-2.5'	Sand	Sand; fine; little medium to coarse sand; little silt; little fine gravel; black; dry. Wet at 2.0'
Sample Name: EDT-4E		
Analysis: PCB'S, TPH-DRO		
Comments: Refusal at 2.5'		
SOIL BORING ID: EDT-4E-1		Drilling Method: Hand Auger
Sample Date: 4/27/06		Geologist(s): Jim Miller
Boring Diameter: 1.5"		Gray Clay Depth: Not encountered
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Silt	Silt, moist, black, little fine sand, trace roots, non-plastic.
0.5'-1.0'	Silt	Silt, moist, black, little fine sand, trace roots(less than above), non-plastic.
1.0'		Refusal on possible concrete slab.
Sample Name: EDT-4E-1A, EDT-4E-1B(0.5'-1.0')		
Analysis: PCB'S, TPH-DRO		
Comments:		
SOIL BORING ID: EDT-4W		Drilling Method: Hand Auger
Sample Date: 7/5/05		Geologist(s): Sergio Morescalchi
Boring Diameter: 1.5"		Gray Clay Depth: Not encountered
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Clay	Clay; some silt; little fine to medium sand; little organic matter (roots); dark brown and moist.
0.5'-1.5'	Clay	Same as above, but wet (some sort of fabric present (filter) at 1.5') hole offset 0.5'
1.5'-6.0'	Sand	Sand coarse and fine gravel; little clay; little fine to medium sand; black; wet; petroleum odor at 2.5'.
6.0'-8.5'	Sand	Same as above; stopping augering due to overhanging branches. Can't get more auger down hole with out "fighting" branches.
Sample Name: EDT-4W-1A, EDT-4W-1B(0.5'-2.0')		
Analysis: PCB'S, TPH-DRO		
Comments: EDT-15W-1B(0.5'-2.0')		
SOIL BORING ID: EDT-4W-1		Drilling Method: Hand Auger
Sample Date: 5/2/06		Geologist(s): Jim Miller
Boring Diameter: 1.5"		Gray Clay Depth: Not encountered
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Silt	Silt, moist, dark brown, non-plastic, trace roots and subangular gravel up to 1" on edge. No staining or odor.
0.5'-2.0'	Silt w/ fill	Silt with isolated globules of light brown clayey silt, moist, dark brown, non-plastic, trace roots and subangular gravel up to 1" on edge. Pieces of glass and anthracite coal. Wire also found at this depth. Definite fill material. No staining or odor.
2.0'	Fill	Plastic wrap piece and glass followed immediately by refusal by either rock or wood.
Sample Name: EDT-4W-1A, EDT-4W-1B(0.5'-2.0')		
Analysis: PCB'S, TPH-DRO		
Comments: EDT-15W-1B(0.5'-2.0')		

SOIL BORING ID: EDT-4W-2		Drilling Method: Hand Auger
Sample Date: 5/2/06		Geologist(s): Jim Miller
Boring Diameter: 1.5"		Gray Clay Depth: 7.5'
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-1.0'	Silt w/fill	Clayey silt, dark brown to gray, trace fine through medium sand and roots, low plasticity, no odor or staining. Pieces of plastic and cloth.
1.0-6.5'	Gravel w/fill	Clayey gravel, trace roots and fine through medium sand, low plasticity, saturated, no odor. Product with odor hit at 4.5'. Plastic pieces at 5.5'.
6.5-7.5'	Silt	Sandy silt, fine through medium grained, slight plasticity.

Sample Name: EDT-4W-2A, EDT-4W-2B(0.5-3.5), EDT-4W-2B(3.5-6.5)
Analysis: PCB'S, TPH-DR0
Comments: Bucket would not hold material below 6.5'

SOIL BORING ID: EDT-4W-3		Drilling Method: Hand Auger
Sample Date: 5/2/06		Geologist(s): Jim Miller
Boring Diameter: 1.5"		Gray Clay Depth: 7.5'
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Silt	Clayey silt, trace fine through medium sand, moist, low plasticity, no odor or staining
0.5-4.5'	Sand w/fill	Sand, medium through coarse grained, trace clay and some gravel, saturated, petroleum odor and staining at 4.0'. 1.5" piece of glass.
4.5-7.5'	Silt	Sand, medium through coarse grained, trace clay and some gravel, saturated, heavy petroleum odor and staining.

Sample Name: EDT-4W-3A, EDT-4W-3B(0.5-3.5), EDT-4W-3B(3.5-6.5)
Analysis: PCB'S, TPH-DR0
Comments:

SOIL BORING ID: EDT-4W-4		Drilling Method: Hand Auger
Sample Date: 5/24/06		Geologist(s): Jamey Charter
Boring Diameter: 1.5"		Gray Clay Depth: Not encountered
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Sand	Silty sand, dark brown, low moisture content, little roots, trace stones <1/2" diameter. No odor or staining.
0.5-0.75'	Clay	Light brown clay, dense and dry.
2.0-2.5'		Void space.
2.5-2.8'	Sand	Silty sand, dark brown, medium moisture, little gravel. No odor or staining.
2.8-3.0'	Sand	Gravel with silty sand. Saturated and very dark.
3.0'		Refusal on possible rock slab.

Sample Name: EDT-4W-4A, EDT-4W-4B(0.5-3.0)
Analysis: PCB'S, TPH-DR0
Comments:

SOIL BORING ID: EDT-4W-5		Drilling Method: Hand Auger
Sample Date: 5/24/06		Geologist(s): Jamey Charter
Boring Diameter: 1.5"		Gray Clay Depth: Not encountered
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Sand w/fill	Silty sand, brown, medium moisture content, little roots, trace garbage and coal, gravel < 1/2"
0.5-1.0'	Sand	Sand, brown, high moisture content, no odor or staining.
1.0-2.0'	Sand w/fill	Sand becomes dark, almost black. High moisture content. Some rug and wood debris. Sand has mixed grains. Appears stained, but no odor.
2.0-3.0'		Fallout with no collection.
3.5-6.0'	Sand w/fill	Sand and garbage fill. 10% gravel content. Contains rug and glass. Supersaturated, jet black, strong odor and staining.
6.0'		Refusal possibly on garbage.

Sample Name: EDT-4W-5A, EDT-4W-5B(0.5-3.5), EDT-4W-5B(3.5-6.0)
Analysis: PCB'S, TPH-DR0
Comments:

SOIL BORING ID: EDT-4W-6		Drilling Method: Hand Auger
Sample Date: 6/19/06		Geologist(s): Jamey Charter
Boring Diameter: 1.5"		Gray Clay Depth: 8.5'
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Silt	Sandy silt, dry, dark brown, little gravel <1/2" diameter. Little roots.
0.5-4.0'	Silt	Sandy silt, dark brown to black, dry, trace gravel, little coal and glass, looks to be fill. No odor, but much coal comparatively to other samples.
4.0'-6.5'	Sand	Silty sand with gravel, dark brown, saturated. No odor or staining.
6.5'-8.5'	Sand	Silty sand with gravel, trace clays, super saturated, jet black, no odor or staining.
Sample Name: EDT-4W-6A, EDT-4W-6B(0.5-3.5'), EDT-4W-6B(3.5-6.5'), EDT-4W-6B(6.5-8.5')		
Analysis: PCB'S, TPH-DRO		
Comments:		

SOIL BORING ID: EDT-4W-7		Drilling Method: Hand Auger
Sample Date: 6/20/06		Geologist(s): Jamey Charter
Boring Diameter: 1.5"		Gray Clay Depth: Not encountered
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Silt	Sandy silt, dry, dark brown to light brown. Light brown has trace clays. Little small gravel >1/4" diameter. Trace roots.
0.5-3.0'	Silt	Sandy silt, dry, darker than first 6". Many brick fragments, trace roots, trace gravel.
3.0'-5.0'	Sand/Fill	Silty sand with brick, light red and brown in color, saturated. Glass and bolts present. No odor or staining. Soil darkens as we approach 5'.
5.0'		Refusal on what appears to be stone or brick.
Sample Name: EDT-4W-7A, EDT-4W-7B(0.5-3.5'), EDT-4W-7B(3.5-5.0')		
Analysis: PCB'S, TPH-DRO		
Comments:		

SOIL BORING ID: EDT-4W-8		Drilling Method: Hand Auger
Sample Date: 6/20/06		Geologist(s): John Burchette
Boring Diameter: 1.5"		Gray Clay Depth: Not encountered
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Silt	Sandy silt, dry and dark brown(0-3") light brown(3'-6"). Light brown with some clay fine to medium gravel and organics.
0.5-3.5'	Clay	Sandy clay, dark brown. Medium gravel with some fine gravel. Cloth material found at 2.0'. Zone of saturation at 3.0'. Refusal at 3.5' Slight odor and staining.
Sample Name: EDT-4W-8A, EDT-4W-8B(0.5-3.5')		
Analysis: PCB'S, TPH-DRO		
Comments:		

SOIL BORING ID: EDT-4W-9		Drilling Method: Hand Auger
Sample Date: 10/5/06		Geologist(s): Jamey Charter
Boring Diameter: 1.5"		Gray Clay Depth: Not encountered
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Sand	Dark brown to black silty sand, some small gravel and little roots with other organics, dry.
0.5-2.0'	Clay	Dark brown to black silty sand, some small gravel and little roots with other organics, dry. More roots than above.
2.0'-2.5'	Clay	Sandy clay layer, gray in color, medium moisture content, no recognizable odor. GW at 2.12'.
2.5-5.0'	Sand w/fill	Sand with some clay and little silt, dark to black in color, much small gravel, super saturated and an odor at 4.0'. Glass present at 5.0'.
Sample Name: EDT-4W-9A, EDT-4W-9B(0.5-3.5'), EDT-4W-9B(3.5-5.0')		
Analysis: PCB'S, TPH-DRO		
Comments:		

Eastern Drainage Ditch
Bank Soil Sample Results
AMTRAK Former Fueling Facility
4001 Vandever Avenue
Wilmington, DE

SOIL BORING ID: EDT-4W-10	
Sample Date: 10/4/06	
Drilling Method: Hand Auger	
Geologist(s): John Burchette	
Boring Diameter: 1.5"	
Gray Clay Depth: 9.0'	
Depth Interval (ft. bgs)	Lithology Type
0-0.5'	Silt
0.5-3.5'	Silt
3.5-9.0'	Silt
Stratigraphic Description	
Dark brown sandy silt. Dry some roots and trace angular gravel. No staining and no odor.	
Black silt with some gravel. Trace coal and glass. No staining and no odor. GW at 3.5'.	
Black silt with some gravel. Trace coal and glass. Noticeable staining and odor at 3.5'.	
Sample Name: EDT-4W-10A, EDT-4W-10B(0.5-3.5), EDT-4W-10B(3.5-6.5), EDT-4W-10B(6.5-9.0)	
Analysis: PCBs, TPH-DRO	
Comments:	

SOIL BORING ID: EDT-4W-11	
Sample Date: 10/4/06	
Drilling Method: Hand Auger	
Geologist(s): Jamey Charter	
Boring Diameter: 1.5"	
Gray Clay Depth: 9.5'	
Depth Interval (ft. bgs)	Lithology Type
0-1.0'	Silt
1.0-1.5'	Clay
1.5-3.5'	Sand w/ill
3.5-6.5'	Gravel
6.5-9.5'	Gravel
Stratigraphic Description	
Dark brown sandy silt, low moisture content, mostly dry. Some roots and trace small angular gravel.	
Dense gray clay layer hard, not much moisture.	
Dry silty sand almost black must be fill because there is glass and coal present.	
Small to large angular gravel with sand, black, supersaturated. Sample looks like it is stained but there is no odor until we reach 6.25'.	
Small to large gravel with trace clays and sands, black in color with a sheen, strong odor and staining.	
Sample Name: EDT-4W-11A, EDT-4W-11B(0.5-3.5), EDT-4W-11B(3.5-6.5), EDT-4W-11B(6.5-9.5)	
Analysis: PCBs, TPH-DRO	
Comments:	

SOIL BORING ID: EDT-4W-12	
Sample Date: 10/4/06	
Drilling Method: Hand Auger	
Geologist(s): Jamey Charter	
Boring Diameter: 1.5"	
Gray Clay Depth: 7.5'	
Depth Interval (ft. bgs)	Lithology Type
0-0.5'	Silt
0.5-3.5'	Sand w/ill
1.5-3.5'	Sand w/ill
3.5-6.5'	Gravel
6.5-7.5'	Gravel
Stratigraphic Description	
Dry, dark brown silty sand with some coal and little roots. Trace angular gravel but mainly all chunks are coal. No odor or staining.	
Dry silty sand becomes darker to almost black with 30% coal in small pieces. Trace roots and gravel. No odor, but appears to be fill and slightly stained.	
Dry silty sand almost black must be fill because there is glass and coal present.	
Coarse to fine gravel with some sand. Black in color. Supersaturated. Slight sheen in water, no definite odor.	
Coarse to fine gravel with some sand. Jet black in color. Supersaturated. Odor and staining.	
Sample Name: EDT-4W-12A, EDT-4W-12B(0.5-3.5), EDT-4W-12B(3.5-6.5), EDT-4W-12B(6.5-7.5)	
Analysis: PCBs, TPH-DRO	
Comments:	

SOIL BORING ID: EDT-4W-13	
Sample Date: 9/26/06	
Drilling Method: Hand Auger	
Geologist(s): Jamey Charter	
Boring Diameter: 1.5"	
Gray Clay Depth: 9.5'	
Depth Interval (ft. bgs)	Lithology Type
0-0.5'	Silt
0.5-3.5'	Silt w/ill
3.5-6.5'	Sand
6.5-9.5'	Sand
Stratigraphic Description	
Light brown silt with trace sand and trace fine gravel. Some organics (roots) and trace coal fragments. No odor and no staining.	
Dark brown silt with trace sand and some fine to medium gravel. Trace organics and coal frags. No odor and no staining.	
Dark brown to black coarse sand with rock fragments and silt. No staining no odor. GW at 6.0'	
Black with some brown very coarse sand and gravel with coal. Angular poorly sorted odor, but no noticeable staining.	
Sample Name: EDT-4W-13A, EDT-4W-13B(0.5-3.5), EDT-4W-13B(3.5-6.5), EDT-4W-13B(6.5-9.5)	
Analysis: PCBs, TPH-DRO	
Comments:	

SOIL BORING ID: EDT-4W-14		Drilling Method: Hand Auger	
Sample Date: 10/5/06		Geologist(s): Jamey Charter	
Boring Diameter: 1.5"		Gray Clay Depth: 5.0'	
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description	
0-0.5'	Sand	Dark brown silty sand with little poorly sorted gravel and little roots.	
0.5-3.0'	Sand	Silty sand, black in color, some coal, and little garbage. Dry no odor or staining. GW at 3.0'.	
3.0-5.0'	Sand	Silty sand, with gravel. Black in color. Supersaturated looks to be stained but no odor. Refusal.	
Sample Name: EDT-4W-14A, EDT-4W-14B(0.5-3.5), EDT-4W-14B(3.5-5.0)			
Analysis: PCB'S, TPH-DRO			
Comments:			

SOIL BORING ID: EDT-4W-15		Drilling Method: Hand Auger	
Sample Date: 10/6/06		Geologist(s): John Burchette	
Boring Diameter: 1.5"		Gray Clay Depth: Not encountered	
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description	
0-0.5'	Sand	Dark brown silty sand. Some roots and trace angular poorly sorted gravel. Somewhat dry. No odor and no staining.	
0.5-4.0'	Sand w/fill	Light to dark brown silty sand with poorly sorted angular gravel. Some coal present. No odor or staining.	
4.0-6.0'	Sand	Black silty sand and angular poorly sorted gravel. GW at 5.5'. Refusal at 6.5'.	
Sample Name: EDT-4W-15A, EDT-4W-15B(0.5-3.5), EDT-4W-15B(3.5-6.5)			
Analysis: PCB'S, TPH-DRO			
Comments:			

SOIL BORING ID: EDT-4W-16		Drilling Method: Hand Auger	
Sample Date: 10/5/06		Geologist(s): John Burchette	
Boring Diameter: 1.5"		Gray Clay Depth: Not encountered	
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description	
0-0.5'	Sand	Dark brown to black silty sand. Some angular poorly sorted gravel. Dry, no odor or staining.	
0.5-3.5'	Sand w/fill	Black silty sand with some gravel (angular and poorly sorted). Moist. GW at 2.5'. No odor or staining. Glass and coal noticed.	
3.5-5.0'	Sand	Black silty sand and angular poorly sorted gravel. No staining, slight odor. Refusal at 5.0' possibly rock.	
Sample Name: EDT-4W-16A, EDT-4W-16B(0.5-3.5), EDT-4W-16B(3.5-5.0)			
Analysis: PCB'S, TPH-DRO			
Comments:			

SOIL BORING ID: EDT-4W-17		Drilling Method: Hand Auger	
Sample Date: 10/5/06		Geologist(s): John Burchette	
Boring Diameter: 1.5"		Gray Clay Depth: Not encountered	
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description	
0-0.5'	Sand	Silty sand, dark brown in color. Some angular poorly sorted gravel. Trace organics. No staining and no odor.	
0.5-1.5'	Sand	Dark brown to black sand and angular poorly sorted gravel with some clay.	
1.5-4.16'	Sand w/fill	Dark brown to black sand and angular poorly sorted gravel with some clay. GW at 2.5'. Brick and glass present. No staining and no odor.	
4.16-7.0'	Sand w/fill	Dark brown to black sand and angular poorly sorted gravel with some clay. GW at 2.5'. Brick and glass present. Noticeable staining and odor. Refusal.	
Sample Name: EDT-4W-17A, EDT-4W-17B(0.5-3.5), EDT-4W-17B(3.5-7.0)			
Analysis: PCB'S, TPH-DRO			
Comments:			

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SOIL BORING ID: EDT-4W-22		Drilling Method: Hand Auger	
Sample Date: 10/6/06		Geologist(s): Jamey Charfer	
Boring Diameter: 1.5"		Gray Clay Depth: 10.5'	
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description	
0-0.5'	Sand	Dark brown silty sand. Some roots and trace stones. Dry, no odor or staining.	
0.5-4.0'	Sand w/ fill	Light to dark brown silty sand with poorly sorted gravel. Much garbage, definitely a fill of some kind. Dry, no odor or staining.	
4.0-6.0'	Sand	Black silty sand with gravel. Supersaturated. Looks to be slimes, but only a slight odor.	
6.0-10.5'	Sand	Black silty sand with gravel. Supersaturated. Definite staining, sheen, and strong odor.	
Sample Name: EDT-4W-22A, EDT-4W-22B(3.5-6.5), EDT-4W-22B(6.5-10.5)			
Analysis: Not analyzed			
Comments:			

SOIL BORING ID: EDT-4W-23		Drilling Method: Hand Auger	
Sample Date: 12/15/06		Geologist(s): John Burchette	
Boring Diameter: 1.5"		Gray Clay Depth: 3.5'	
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description	
0-0.5'	Clay	Brown black silty clay with little sand and little organics. No odor and no noticeable staining.	
0.5-3.5'	Silt	Black silt with some rock fragments (angular and poorly sorted). Definite odor and staining.	
Sample Name: EDT-4W-23A, EDT-4W-23B(0.5-3.5)			
Analysis: PCB'S, TPH-DRO			
Comments:			

SOIL BORING ID: EDT-4W-24		Drilling Method: Hand Auger	
Sample Date: 12/14/06		Geologist(s): John Burchette	
Boring Diameter: 1.5"		Gray Clay Depth: 6.75'	
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description	
0-0.5'	Clay	Black silty clay with little sand and some organics (roots). No odor and no staining.	
0.5-3.5'	Silt	Brown black silt with little organics and rock fragments (poorly sorted and angular). Slight odor with no staining.	
3.5-6.5'	Sand	Black silty sand with trace clay. Some rock fragments (angular and poorly sorted). Strong odor and definite staining. GW at 4.0'	
Sample Name: EDT-4W-24A, EDT-4W-24B(0.5-3.5), EDT-4W-24B(3.5-6.5)			
Analysis: PCB'S, TPH-DRO			
Comments:			

SOIL BORING ID: EDT-4W-25		Drilling Method: Hand Auger	
Sample Date: 12/14/06		Geologist(s): John Burchette	
Boring Diameter: 1.5"		Gray Clay Depth: 6.5'	
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description	
0-0.5'	Clay	Black silty clay with some sand and some organics (roots). No odor and no staining.	
0.5-3.5'	Silt w/ fill	Black silt with some sand. Trace angular poorly sorted rock fragments. Trace pieces of scrap metal. No noticeable staining or odor. GW at 3.5-4.0'	
3.5-6.5'	Silt	Black silt with little sand. Some angular poorly sorted gravel. Noticeable staining and odor.	
Sample Name: EDT-4W-25A, EDT-4W-25B(0.5-3.5), EDT-4W-25B(3.5-6.5)			
Analysis: PCB'S, TPH-DRO			
Comments:			

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SOIL BORING ID: EDI-5E		Drilling Method: Hand Auger
Sample Date: 7/5/06		Geologist(s): Sergio Morescalchi
Boring Diameter: 1.5"		Gray Clay Depth: Not encountered
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Sand	Sand fine to medium; some silt; little medium to coarse sand; little organic matter (roots); trace fine gravel; brown; dry.
0.5-1.0'	Gravel/Silt	Sand fine to medium; some silt; little medium to coarse sand; little organic matter (roots); trace fine gravel; brown; wet at 2.0'.
Sample Name: EDI-5E		
Analysis: PCB'S, TPH-DRO, EPH/VPH		
Comments: Refusal at 2.0'		
SOIL BORING ID: EDI-5E-1		Drilling Method: Hand Auger
Sample Date: 4/25/06		Geologist(s): Jim Miller
Boring Diameter: 1.5"		Gray Clay Depth: Not encountered
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Silt w/ill	Dark brown silt. Moist with trace fine sands and roots, non-plastic. Refusal on concrete debris.
Sample Name: EDI-5E-1A		
Analysis: PCB'S, TPH-DRO		
Comments:		
SOIL BORING ID: EDI-5W		Drilling Method: Hand Auger
Sample Date: 7/6/06		Geologist(s): Sergio Morescalchi
Boring Diameter: 1.5"		Gray Clay Depth: 2.0'
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-1.0'	Silt	Silt; some fine sand; little organic matter (roots); brown; dry
1.0'-1.5'	Silt	Silt; some clay; tan; moist
1.5'-2.0'	Silt/Clay	Silt and clay; tan; moist
Sample Name: EDI-5W-1A, EDI-5W-1B(0.5-2.0')		
Analysis: PCB'S, TPH-DRO		
Comments:		
SOIL BORING ID: EDI-5W-1		Drilling Method: Hand Auger
Sample Date: 4/25/06		Geologist(s): Jim Miller
Boring Diameter: 1.5"		Gray Clay Depth: 3.0'
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-2.0'	Silt	Silt, moist, dark brown, minor clay, trace roots, no odor or staining, clay present in globules.
2.0'-3.0'	Clay	Clay, moist and mottled, hard, medium plasticity.
Sample Name: EDI-5W-1A, EDI-5W-1B(0.5-2.0')		
Analysis: PCB'S, TPH-DRO		
Comments:		

SOIL BORING ID: EDT-6E		Drilling Method: Hand Auger
Sample Date: 7/7/05		Geologist(s): Sergio Morescalchi
Boring Diameter: 1.5"		Gray Clay Depth: Not encountered
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Silt	Silt and some medium to coarse sand; little fine gravel, little organic matter (roots); brown; dry.
0.5'-1.0'	Gravel/Silt	Gravel and silt; little fine to coarse sand; brown; dry.
Sample Name: EDT-6E		
Analysis: PCBs		
Comments: Refusal at 1.0'		

SOIL BORING ID: EDT-6E-1		Drilling Method: Hand Auger
Sample Date: 5/9/06		Geologist(s): Jamey Charter
Boring Diameter: 1.5"		Gray Clay Depth: Not encountered
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Silt	Dark, sandy silt, little roots, quite dry, small grained material. Trace gravel. No staining, no odor.
Sample Name: EDT-6E-1A		
Analysis: PCBs, TPH-DRO		
Comments:		

SOIL BORING ID: EDT-6W		Drilling Method: Hand Auger
Sample Date: 4/27/05		Geologist(s): Jim Miller
Boring Diameter: 1.5"		Gray Clay Depth: 2.0'
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Silty loam	Moist dark brown to black silty loam with less than 10% roots. No odor or staining, non-plastic.
0.5'-1.0'	Silt	Moist brown sandy silt, non-plastic; roots, no staining, medium sand.
1.0'-1.5'	Silt	Moist brown sandy silt, non-plastic; roots, no staining, medium sand.
1.5'-2.0'	Silt	Petroleum stained clayey silt with up to 1/2" angular gravel, odoriferous, slight plasticity, brown with black staining.
2.0'-2.5'	Sand	Gray, clayey sand, wet medium to fine grained. Petroleum odor abundant, small gravel making it difficult to hand auger.
Sample Name: EDT-6W		
Analysis: PCBs, TPH-DRO		
Comments:		

SOIL BORING ID: EDT-6W-1		Drilling Method: Hand Auger
Sample Date: 4/25/06		Geologist(s): Jim Miller
Boring Diameter: 1.5"		Gray Clay Depth: Not encountered
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Silt	Silt, moist, dark brown, trace sand, no odor or staining, slight plasticity, some roots.
0.5'-1.5'	Sand	Clayey sand, coarse grained, light to dark brown, wet at 1.0'. No gravel, roots or odor.
1.5'	Fill	Up to 2' on edge concrete debris pieces. Entire area is level and possible old pad up to 7' from water. Refusal at multiple 1.5' depths.
Sample Name: EDT-6W-1A, EDT-6W-1B(0.5'-1.5')		
Analysis: PCBs, TPH-DRO		
Comments:		

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SOIL BORING ID: EDT-7E		Drilling Method: Hand Auger
Sample Date: 7/5/05		Geologist(s): Sergio Morascachi
Boring Diameter: 1.5"		Gray Clay Depth: 7.0'
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Peat	Peat, brown, wet.
0.5-7.0'	Silt	Silt, some clay, little fine sand, black, wet.
Sample Name: EDT-7E		
Analysis: PCBs, TPH-DRO		
Comments: 1.0' from water		

SOIL BORING ID: EDT-7E-1		Drilling Method: Hand Auger
Sample Date: 4/26/06		Geologist(s): Jim Miller
Boring Diameter: 1.5"		Gray Clay Depth: Not encountered
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Silt	Clayey silt with trace sand. Very peaty, slight plasticity, dark brown, significant roots, worms, etc. No odor or staining.
0.5-1.5'	Clay	Silty clay, very soft, dark brown and saturated. No odor or staining.
1.5-2.0'	Sand	Coarse grained clayey sand, saturated, no odor or staining (offset location).
2.0'	Fill/Concrete	Refusal on very hard material. Offset 5' N and 5' S parallel to bank with refusal at the same depth. Must be old concrete slab.
Sample Name: EDT-7E-1A, EDT-7E-1B(0.5'-2.0')		
Analysis: PCBs, TPH-DRO		
Comments:		

SOIL BORING ID: EDT-7W		Drilling Method: Hand Auger
Sample Date: 4/27/05		Geologist(s): Jim Miller
Boring Diameter: 1.5"		Gray Clay Depth: 5.25'
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Silt	Dark brown moist sandy silt. Sand 40%-50% medium to fine grained.
0.5-1.0'	Sand	Moist to wet brown medium to fine sand, some small (1/8") sub-angular gravel. No odor.
1.0-2.0'	Sand	Moist to wet brown medium to fine sand. Strong odor with staining.
2.0-3.5'	Sand	Moist to wet brown medium to fine sand. Strong odor with staining. 1/4" sub-rounded gravel.
3.5-4.0'	Sand	Clayey sand 1/2" angular gravel stuck in bucket teeth, saturated with petroleum with significant odor.
4.0-5.0'	Sand	Fine to medium grained sand, slight odor and very low plasticity.
5.0-5.25'	Sand	Clayey sand, black, low plasticity.
Sample Name: EDT-7W-1A, EDT-7W-1B(0.5'-3.5'), EDT-7W-1B(3.5'-4.0')		
Analysis: PCBs, TPH-DRO		
Comments:		

SOIL BORING ID: EDT-7W-1		Drilling Method: Hand Auger
Sample Date: 4/24/06		Geologist(s): Jim Miller
Boring Diameter: 1.5"		Gray Clay Depth: 4.0'
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Silt	Silt, dark gray to black, moist 1/2" angular to sub angular gravel, no roots, odor or staining.
0.5-4.0'	Sand	Sand, medium to fine grained, dark brown to black, trace silt. Groundwater at 2.5'. Product at 3.0' with significant staining and odor.
4.0'	Clay	Clay, light gray, high plasticity with significant staining, petroleum odor. Offset for additional volume.
Sample Name: EDT-7W-1A, EDT-7W-1B(0.5'-3.5'), EDT-7W-1B(3.5'-4.0')		
Analysis: PCBs, TPH-DRO		
Comments:		

SOIL BORING ID: EDT-9E		Drilling Method: Hand Auger
Sample Date: 5/19/05		Geologist(s): John Burchette
Boring Diameter: 1.5"		Gray Clay Depth: 5.5'
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Sand/Silt	
0.5-5.5'	Silt	Sand, fine to medium and silt. Trace clay; brown, moist Silt; little fine to medium sand; trace clay; trace organic matter; black.

Sample Name: EDT-9E
Analysis: PCB'S, TPH-DRO, EPHVPH
Comments:

SOIL BORING ID: EDT-9E-1		Drilling Method: Hand Auger
Sample Date: 5/25/06		Geologist(s): Jamey Charter
Boring Diameter: 1.5"		Gray Clay Depth: Not encountered
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Sand	
0.5-0.75'	Clay	Silty sand, dark in color, low moisture content.
0.75-1.25'	Sand	Sandy clay, light brown, very dry.
1.25-2.0'	Sand	Silty sand, darker than clay layer, but slightly lighter than surface layer, little gravel. Low moisture.
2.0'	Concrete/rock	Silty sand, dark in color like surface layer. Silt low in moisture. Little gravel, up to 1" diameter. No odor and no staining. Refusal feels like a rock slab. Probably concrete. Area is strewn with concrete blocks and pilings. To my N is a rock ditch drainage into the bottom of the dam.

Sample Name: EDT-9E-1A, EDT-9E-1B(0.5-2.0')
Analysis: PCB'S, TPH-DRO
Comments:

SOIL BORING ID: EDT-9W		Drilling Method: Hand Auger
Sample Date: 4/27/05		Geologist(s): Jim Miller
Boring Diameter: 1.5"		Gray Clay Depth: 4.5'
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Silt	
0.5-1.0'	Silt	Dark brown moist silt, with significant fine sand, some sub-rounded gravel up to 3/8 in.
1.0-2.0'	Silt	Dark brown clayey silt with 50% angular medium sand, 15% moist material.
3.0-4.0'	Silt	Black petroleum stained clayey silt, low plastic, saturated, with root debris and organics.
4.0-4.5'	Clay	Silty clay, low plastic, saturated, angular to sub-angular gravel up to 3/8" at 5% to 10%.

Sample Name: EDT-9W
Analysis: PCB'S, TPH-DRO
Comments: 3.5' from water edge

SOIL BORING ID: EDT-9W-1		Drilling Method: Hand Auger
Sample Date: 4/25/06		Geologist(s): Jim Miller
Boring Diameter: 1.5"		Gray Clay Depth: 3.0'
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Silt	
0.5-3.0'	Clay	Very clayey silt, trace roots and angular gravel up to 1/2" on edge, moist, dark brown, slight plasticity, no odor.
3.0'	Clay	Gravelly clay, trace roots, little sand (medium grained) medium plasticity. Product at 2.0' with significant staining and odor below this level. High plasticity gray clay.

Sample Name: EDT-9W-1A, EDT-9W-1B(0.5-3.0')
Analysis: PCB'S, TPH-DRO
Comments:

SOIL BORING ID: EDT-10E		Drilling Method: Hand Auger
Sample Date: 7/7/05		Geologist(s): Sergio Morescaichi
Boring Diameter: 1.5"		Gray Clay Depth: 2.5'
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Clay	Clay, some silt; little fine sand; little organic matter (roots); brown and moist.
0.5'-2.5'	Clay	Same as above, but wet at 1.5' and black.
2.5'	Clay	Clay; little silt; gray; moist.
Sample Name: EDT-10E		
Analysis: PCB'S, TPH-DR0		
Comments: 3' from water		

SOIL BORING ID: EDT-10E-1		Drilling Method: Hand Auger
Sample Date: 6/21/06		Geologist(s): John Burchette
Boring Diameter: 1.5"		Gray Clay Depth: 3.0'
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Silt	Brown silt with some clay and organics. Very moist, no odor or staining. Slightly dense.
0.5'-3.0'	Silt	Brown to dark brown clayey silt with trace sand and organics. Saturated at 6'. Musty odor. Becomes more clayey at 2.0' some silt.
3.0'	Clay	Gray clay layer at 3.0'.
Sample Name: EDT-10E-1A, EDT-10E-1B(0.5'-3.0')		
Analysis: PCB'S, TPH-DR0		
Comments:		

SOIL BORING ID: EDT-10W		Drilling Method: Hand Auger
Sample Date: 6/2/05		Geologist(s): Sergio Morescaichi
Boring Diameter: 1.5"		Gray Clay Depth: 3.33'
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Clay/Silt	Clay and silt; little organic matter (roots); little fine sand; brown; moist.
0.5'-1.0'	Clay/Silt	Same as above, but trace organic matter (roots).
1.0'-3.0'	Silt	Silt; some fine to coarse sand; little clay; black; slight petroleum odor.
3.0'-3.33'	Clay/Sand	Clay and sand. Fine to medium; black; wet.
Sample Name: EDT-10W-1A, EDT-10W-1B(0.5'-3.0')		
Analysis: PCB'S, TPH-DR0, EPH/MPH		
Comments:		

SOIL BORING ID: EDT-10W-1		Drilling Method: Hand Auger
Sample Date: 6/21/05		Geologist(s): Jamey Charter
Boring Diameter: 1.5"		Gray Clay Depth: 3.0'
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-1.0'	Silt	Sandy silt very dark in color, slightly moist.
1.0'-3.0'	Clay	Silty clay, brown, red, gray and color. Difficult to auger through slightly dry.
3.0'	Clay	Gray clay layer at 3.0'.
Sample Name: EDT-10W-1A, EDT-10W-1B(0.5'-3.0')		
Analysis: PCB'S, TPH-DR0		
Comments:		

SOIL BORING ID: EDT-11E		Drilling Method: Hand Auger
Sample Date: 7/7/05		Geologist(s): Sergio Morescaichi
Boring Diameter: 1.5"		Gray Clay Depth: Not encountered
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Clay	Clay, some silt; little fine to medium sand; little organic matter (roots); brown; moist.
0.5-1.0'	Clay	Same as above, but wet at 1.0'.
Sample Name: EDT-11E		
Analysis: PCBs, TPH-DRO		
Comments: Reidsal at 3 locations at 1.0', 4' from water		
SOIL BORING ID: EDT-11E-1		Drilling Method: Hand Auger
Sample Date: 6/7/06		Geologist(s): Jamey Charter
Boring Diameter: 1.5"		Gray Clay Depth: Not encountered
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Sand w/ill	Dark silty sand, saturated, 40% organics, small gravel. Groundwater at 3'. Large gravel on surface of land, looks to be introduced, some bricks and coal.
0.5-1.5'	Sand	Dark silty sand with 40% gravel. No organics. Supersaturated, many small pieces of gravel. Looks to be concrete fill.
Sample Name: EDT-11E-1A, EDT-11E-1B(0.5-1.5')		
Analysis: PCBs, TPH-DRO		
Comments: Refusal at no greater than 1.5' after soil probing many locations.		
SOIL BORING ID: EDT-11W		Drilling Method: Hand Auger
Sample Date: 6/21/05		Geologist(s): Sergio Morescaichi
Boring Diameter: 1.5"		Gray Clay Depth: 3.0'
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Clay	Clay, some silt; trace organic matter (roots); trace fine sand; brown; moist.
0.5-1.0'	Clay	Clay; some silt; little organic matter (roots); trace fine sand; brown; moist.
1.0-3.0'	Silt	Silt; some fine to medium sand; little clay; petroleum odor; black; wet.
Sample Name: EDT-11W		
Analysis: PCBs, TPH-DRO		
Comments:		
SOIL BORING ID: EDT-11W-1		Drilling Method: Hand Auger
Sample Date: 6/21/06		Geologist(s): Jamey Charter
Boring Diameter: 1.5"		Gray Clay Depth: 3.0'
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.25'	Silt	Sandy silt, dark in color, slightly moist. Little organic materials.
0.25-0.5'	Clay	Silty clay, dry. Light brown to gray in color. Trace roots, no odor or staining.
0.5-2.0'	Clay	Mixed clay material. Many mixed colors-brown, gray, and dark brown. More moist than first 6'.
2.5'	Clay	Gray clay at 2.5'
Sample Name: EDT-11W-1A, EDT-11W-1B(0.5-2.5')		
Analysis: PCBs, TPH-DRO		
Comments:		

SOIL BORING ID: EDT-12E		Drilling Method: Hand Auger	
Sample Date: 6/2/05		Geologist(s): Sergio MorescaCh	
Boring Diameter: 1.5"		Gray Clay Depth: 2.33'	
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description	
0-1.0'	Clay/Silt	Clay and silt; little sand; trace organic matter (roots); moist; brown	
1.0'-2.33'	Clay	Clay with some fine to coarse sand; black, little silt, wet; petroleum odor.	
Sample Name: EDT-12E			
Analysis: PCB'S, TPH-DRO, EPHVPH			
Comments:			

SOIL BORING ID: EDT-12E-1		Drilling Method: Hand Auger	
Sample Date: 5/23/06		Geologist(s): Jamey Charter	
Boring Diameter: 1.5"		Gray Clay Depth: 3.0'	
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description	
0-1.5'	Sand	Silty sand with brown in color. Little clay, some roots. Medium moisture content. No odor or staining. Groundwater at 8".	
1.5'-3.0'	Sand	Sand with gravel with trace clay. Dark gray to black. Heavy odor and staining. Gravel looks to be fill up to 1/2" diameter.	
Sample Name: EDT-12E-1A, EDT-12E-1B(0.5'-3.0')			
Analysis: PCB'S, TPH-DRO			
Comments:			

SOIL BORING ID: EDT-12W		Drilling Method: Hand Auger	
Sample Date: 6/2/05		Geologist(s): Sergio MorescaCh	
Boring Diameter: 1.5"		Gray Clay Depth: 3.0'	
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description	
0-0.5'	Silt	Silt; some clay; little fine sand; trace organics (roots); brown; moist	
0.5'-1.0'	Sand	Silt; some clay; little fine sand; brown; moist	
1.0'-3.0'	Silt	Silt; some fine to medium sand; little clay; petroleum odor; black; moist	
Sample Name: EDT-12W			
Analysis: PCB'S, TPH-DRO			
Comments: 12' to water			

SOIL BORING ID: EDT-12W-1		Drilling Method: Hand Auger	
Sample Date: 5/18/06		Geologist(s): Jamey Charter	
Boring Diameter: 1.5"		Gray Clay Depth: 3.5'	
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description	
0-0.5'	Silt	Sandy silt; dark brown in color and low in moisture. Little roots and trace clay.	
0.5'-1.0'	Silt	Sandy silt; changes to light brown color. More cumbly silty clay. Low moisture content.	
1.0'-3.5'	Clay	Hard clay, brown in color with trace reds and grays. No odor or staining.	
Sample Name: EDT-12W-1A, EDT-12W-1B(0.5'-3.5')			
Analysis: PCB'S, TPH-DRO			
Comments:			

SOIL BORING ID: EDT-13E		Drilling Method: Hand Auger
Sample Date: 7/7/05		Geologist(s): Sergio Morescalchi
Boring Diameter: 1.5"		Gray Clay Depth: Not encountered
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-1.0'	Silt	
1.0-2.5'	Sand	Silt, little clay; little fine sand; little organic matter; brown; moist Sand; fine to coarse gravel; fine little silt; black; wet at 2.0'
Sample Name: EDT-13E		
Analysis: PCB'S, TPH-DRO		
Comments: Refusal at 2.5'		
SOIL BORING ID: EDT-13E-1		Drilling Method: Hand Auger
Sample Date: 5/23/06		Geologist(s): Jamey Charter
Boring Diameter: 1.5"		Gray Clay Depth: Not encountered
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-3.5'	Sand	
3.5-4.0'	Concrete	Silty sand; brown in color. Low moisture. Fine grained texture. Little roots, trace gravel up to 1/4" diameter. No odor and no staining. No roots below 1.0" still trace gravel. More moisture below 3.5'. Refusal on what appears to be crushed concrete.
Sample Name: EDT-13E-1A, EDT-13E-1B(0.5'-3.5')		
Analysis: PCB'S, TPH-DRO		
Comments:		
SOIL BORING ID: EDT-13W		Drilling Method: Hand Auger
Sample Date: 7/7/05		Geologist(s): Sergio Morescalchi
Boring Diameter: 1.5"		Gray Clay Depth: 2.0'
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Clay	
1.0'-2.0'	Sand	Clay; some silt; little fine to medium sand; little organic matter; (roots); brown; moist. Clay; some silt; little fine to medium sand; wet at 1.0' brown.
Sample Name: EDT-13W		
Analysis: PCB'S, TPH-DRO		
Comments: 3' from water		
SOIL BORING ID: EDT-13W-1		Drilling Method: Hand Auger
Sample Date: 5/18/06		Geologist(s): Jamey Charter
Boring Diameter: 1.5"		Gray Clay Depth: 3.5'
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Silt	
0.5'-1.5'	Clay	Silt with clay, dark in color. Little roots. More dark moist silt in top 3" and more brown clay along bottom 3" but mixed trace sands.
1.5'-2.5'	Clay	Soft brown clay is the majority but there is still some moist dark brown silt mixed in. Groundwater at 1.5'. Saturated moist, soft brown clay mixed with little gray clay.
2.5'-3.5'	Clay	Brown clay is mixed with water. Very moist. Very soft.
3.5'	Clay	Gray clay layer. Clay becomes more dense than previous bucket and changes from grayish brown to gray. No odor and no staining.
Sample Name: EDT-13W-1A, EDT-13W-1B(0.5'-3.5')		
Analysis: PCB'S, TPH-DRO		
Comments:		

SOIL BORING ID: EDT-14E		Drilling Method: Hand Auger	
Sample Date: 7/7/05		Geologist(s): Sergio Morescaichi	
Boring Diameter: 1.5"		Gray Clay Depth: 5.0'	
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description	
0-0.5'	Silt	Silt; little fine to coarse sand; little organic matter (roots); petroleum odor; black; wet.	
0.5'-5.0'	Sand	Silt; little fine to coarse sand; petroleum odor; black; wet.	
Sample Name: EDT-14E			
Analysis: PCB'S, TPH-DRO			
Comments: 4.0' to water			

SOIL BORING ID: EDT-14E-1		Drilling Method: Hand Auger	
Sample Date: 5/25/06		Geologist(s): Jamey Charter	
Boring Diameter: 1.5"		Gray Clay Depth: 3.5'	
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description	
0-0.5'	Clay	Silty clay - light brown, brown, gray, 40% roots, high moisture content. Soil is not mud but auger penetrates easily. Groundwater at 6".	
0.5'-1.5'	Sand	Silty sand, gray to black. Obvious odor and staining. Some roots, high moisture content. Almost mud consistency.	
1.5'-2.5'	Clay	Fallout - no retrieval from this layer. Soil is supersaturated to liquid consistency.	
2.5'-3.5'	Clay	Sandy clay - changes from a black sand base to mix with the gray clay layer at this depth. Odor and staining. High moisture content.	
Sample Name: EDT-14E-1A, EDT-14E-1B(0.5'-3.5')			
Analysis: PCB'S, TPH-DRO			
Comments:			

SOIL BORING ID: EDT-14E-2		Drilling Method: Hand Auger	
Sample Date: 5/23/06		Geologist(s): Jamey Charter	
Boring Diameter: 1.5"		Gray Clay Depth: 3.0'	
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description	
0-0.5'	Silt	Silty brown mud, 40% roots and other organic matter. Groundwater at 0.25'	
0.5'-1.0'	Silt	Silty mud darkens to dark gray trace organic matter - roots, saturated - some odor and staining.	
1.0'-1.5'	Silt	Silty mud is dark gray to black. Saturated with strong odor and staining.	
1.5'-2.5'	Clay	Super saturated - fallout - could not collect at this level.	
2.5'-2.66'	Clay	Dark gray silty clay. Odor and staining.	
Sample Name: EDT-14E-2A, EDT-14E-2B(0.5'-3.0')			
Analysis: PCB'S, TPH-DRO			
Comments:			

SOIL BORING ID: EDT-14E-3		Drilling Method: Hand Auger	
Sample Date: 5/23/06		Geologist(s): Jamey Charter	
Boring Diameter: 1.5"		Gray Clay Depth: 3.0'	
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description	
0-0.5'	Silt	Silty mud, brown 40% roots, saturated, some odor and some staining. Groundwater at 0.25'.	
0.5'-1.0'	Sand	Dark, silty sand, little roots strong odor and staining. Almost black, saturated.	
1.0'-2.0'	Clay	Fallout, no recovery from this depth.	
2.0'-3.0'	Clay	Sandy clay, dark gray to black. Saturated at the top of the gray clay layer. Some odor and some staining.	
Sample Name: EDT-14E-3A, EDT-14E-3B(0.5'-3.0')			
Analysis: PCB'S, TPH-DRO			
Comments: Duplicate 3B taken from EDT-14E-3B(0.5'-3.0')			

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SOIL BORING ID: EDT-14E-4	Drilling Method: Hand Auger
Sample Date: 6/23/06	Geologist(s): Jamey Charter
Boring Diameter: 1.5"	Gray Clay Depth: 3.5'
Depth Interval (ft. bgs)	Lithology Type
0-0.5'	Brown silt, supersaturated. Water table is 1" below the surface. 50% of the matrix is comprised of roots and other organics.
0.5-3.5'	Sandy silt, black in color. Supersaturated, auger pushes through quite easily.
	Stratigraphic Description
Sample Name: EDT-14E-4A, EDT-14E-4B(0.5-3.5)	
Analysis: PCB'S, TPH-DRO	
Comments:	
SOIL BORING ID: EDT-14E-5	Drilling Method: Hand Auger
Sample Date: 7/11/06	Geologist(s): Jamey Charter
Boring Diameter: 1.5"	Gray Clay Depth: 3.5'
Depth Interval (ft. bgs)	Lithology Type
0-0.5'	Brown silt, almost all organic matter, very moist. Trace sands. Water table at 6"
0.5-2.5'	Fallout. Super saturated.
2.5-3.5'	Gray silt mixed with clay. Trace roots, saturated and soft. Strong odor and slight staining.
	Stratigraphic Description
Sample Name: EDT-14E-5A, EDT-14E-5B(0.5-3.5)	
Analysis: PCB'S, TPH-DRO	
Comments: Duplicate 21E taken from EDT-14E-5A	
SOIL BORING ID: EDT-14E-6	Drilling Method: Hand Auger
Sample Date: 7/11/06	Geologist(s): John Burchette
Boring Diameter: 1.5"	Gray Clay Depth: 3.5'
Depth Interval (ft. bgs)	Lithology Type
0-0.5'	Silt
0.5-2.0'	Brown to gray silt composed of nearly all organic matter. Very moist with saturation occurring at 0.5'
2.0-3.5'	All fallout due to saturation.
	Silty sand, dark in color. Some organics with definite odor and staining. Saturated.
	Stratigraphic Description
Sample Name: EDT-14E-6A, EDT-14E-6B(0.5-3.5)	
Analysis: PCB'S, TPH-DRO	
Comments:	
SOIL BORING ID: EDT-14E-7	Drilling Method: Hand Auger
Sample Date: 7/11/06	Geologist(s): Jamey Charter
Boring Diameter: 1.5"	Gray Clay Depth: 3.5'
Depth Interval (ft. bgs)	Lithology Type
0-2.0'	Clay
2.0-3.5'	Silt
	Silty clay, gray to brown in color. Low moisture content, some roots, no odor and no staining. Less roots from 0.5-2.0'. Groundwater at 2.0'.
	Clay silt with traces of sand. Saturated and dark in color. No odor and no staining.
	Stratigraphic Description
Sample Name: EDT-14E-7A, EDT-14E-7B(0.5-3.5)	
Analysis: PCB'S, TPH-DRO	
Comments:	

SOIL BORING ID: EDT-14E-8		Drilling Method: Hand Auger
Sample Date: 10/3/06		Geologist(s): Jamey Charter
Boring Diameter: 1.5"	Gray Clay Depth: 6.5'	
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.25'	Sand	Brown silty sand, some roots and sticks. High moisture content. No odor or staining. Groundwater at 0.25'.
1.0-3.5'	Sand	Brown to black silty sand with trace small stones up to 1/2" diameter. Supersaturated with heavy odor and staining.
3.5-6.5'	Clay	Gray to black sandy clay with some small gravel. Heavy odor and staining.
6.5'	Clay	Gray clay layer at 6.5'.
Sample Name: EDT-14E-8A, EDT-14E-8B(0.5'-3.5'), EDT-14E-8B(3.5'-6.5')		
Analysis: PCB'S, TPH-DRO		
Comments:		

SOIL BORING ID: EDT-14E-9		Drilling Method: Hand Auger
Sample Date: 9/27/06		Geologist(s): Jamey Charter
Boring Diameter: 1.5"	Gray Clay Depth: 4.0'	
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Organics	Almost all organics matter with small roots surrounded by a dark sandy silt. High moisture content. No odor. Groundwater at 0.5'.
0.5-4.0'	Silt	Soft silty mud with little recovery, supersaturated and jet balk in color with heavy odor and staining.
4.0'	Clay	Gray clay layer at 4.0'.
Sample Name: EDT-14E-9A, EDT-14E-9B(0.5'-4.0')		
Analysis: PCB'S, TPH-DRO		
Comments:		

SOIL BORING ID: EDT-14E-10		Drilling Method: Hand Auger
Sample Date: 10/3/06		Geologist(s): Jamey Charter
Boring Diameter: 1.5"	Gray Clay Depth: 4.0'	
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Silt	Dark brown sandy silt, high moisture content. Some roots, sticks, and trace pebbles. No odor or staining. Groundwater at 0.25'.
0.5-4.0'	Silt	Dark brown to black sandy silt, high moisture content and supersaturated. Trace roots with heavy odor and staining.
4.0'	Clay	Gray clay layer at 4.0'.
Sample Name: EDT-14E-10A, EDT-14E-10B(0.5'-4.0')		
Analysis: Not analyzed		
Comments: Duplicate Secor 1 taken from 10A		

SOIL BORING ID: EDT-14E-11		Drilling Method: Hand Auger
Sample Date: 9/27/06		Geologist(s): John Burchette
Boring Diameter: 1.5"	Gray Clay Depth: 4.0'	
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Silt	Brown silt with little sand and some organics. No staining and no odor.
0.5-4.0'	Silt	Black silt with sand and little poorly sorted angular gravel. Noticeable odor and staining from 0.5' down, Groundwater at 0.667'.
4.0'	Clay	Gray clay layer at 4.0'.
Sample Name: EDT-14E-11A, EDT-14E-11B(0.5'-4.0')		
Analysis: Not analyzed		
Comments:		

SOIL BORING ID: EDT-14E-12		Drilling Method: Hand Auger
Sample Date: 10/3/06		Geologist(s): John Burchette
Boring Diameter: 1.5"		Gray Clay Depth: Not encountered
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-1.0'	Sand	Brown to dark brown sand with little silt, little gravel and some organics. No odor and no staining.
1.0-4.0'	Fill	Sand with gravel and coal. Dark brown to black. No odor and no staining.
3.5-6.5'	Sand	Black sand with gravel. Very coarse. Groundwater at 3.5'. Noticeable staining and odor at soil and groundwater interface.
6.5'	Refusal	
Sample Name: EDT-14E-12A, EDT-14E-12B(0.5-3.5), EDT-14E-12B(3.5-6.5)		
Analysis: Not analyzed		
Comments:		

SOIL BORING ID: EDT-14W		Drilling Method: Hand Auger
Sample Date: 7/7/05		Geologist(s): Sergio Morescaichi
Boring Diameter: 1.5"		Gray Clay Depth: 3.0'
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-1.0'	Silt	Silt, little clay, little fine to medium sand, little organic matter (roots), brown, dry.
1.0-3.0'	Silt	Silt, some fine to coarse sand, black, petroleum odor, wet at 2.5'.
Sample Name: EDT-14W		
Analysis: PCBS, TPH-DRO		
Comments: 4 from water		

SOIL BORING ID: EDT-14W-1		Drilling Method: Hand Auger
Sample Date: 5/10/06		Geologist(s): Jamey Charter
Boring Diameter: 1.5"		Gray Clay Depth: 6.5'
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-1.0'	Silt	Fine grained sandy silt, brown in color and very dry, little roots. No odor and no staining.
1.0-2.0'	Silt	Soil becomes dark brown to black with more moisture and some clay.
2.0-3.5'	Sand	Soil changes to larger grains of sand with some silt and trace clays. Remains dark brown to almost black. Slight odor and appears to be stained.
3.5-6.5'	Sand	Unconsolidated sand with some silt and clay. Dark in color, saturated. Stained, with only slight odor.
Sample Name: EDT-14W-1A, EDT-14W-1B(0.5-3.5), EDT-14W-1B(3.5-6.5)		
Analysis: PCBS, TPH-DRO		
Comments:		

SOIL BORING ID: EDT-14W-2		Drilling Method: Hand Auger
Sample Date: 5/10/06		Geologist(s): Jamey Charter
Boring Diameter: 1.5"		Gray Clay Depth: 3.0'
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.33'	Silt	Saturated brown silty mud with some organic matter such as grass roots. Groundwater at 0.33'
0.33-0.66'	Silt	Draistic change from brown to black. Silt has organic matter and is silty mud but more consolidated. Strong odor and staining. little clay.
0.66-3.0'	Silt	Black supersaturated mud. Silt with some clay. High water content. Fallout at this depth. Heavy petroleum odor and staining.
Sample Name: EDT-14W-2A, EDT-14W-2B(0.5-3.0')		
Analysis: PCBS, TPH-DRO		
Comments:		

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SOIL BORING ID: EDT-14W-3		Drilling Method: Hand Auger	
Sample Date: 5/10/06		Geologist(s): Jamey Charter	
Boring Diameter: 1.5"		Gray Clay Depth: 3.5'	
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description	
0-0.33'	Clay	Gray to brown sandy clay. Some roots, moist, some stones <1/4 diameter.	
0.33'-0.5'	Clay	Dense sandy clay layer that is much darker, stained and has petroleum smell. Groundwater at 0.5'.	
0.5'-3.5'	Clay	Jet black sandy clay that is saturated and unconsolidated. Highly stained and strong petroleum smell.	
Sample Name: EDT-14W-3A, EDT-14W-3B(0.5'-3.5')			
Analysis: PCBs, TPH-DRO			
Comments:			

SOIL BORING ID: EDT-1E-1		Drilling Method: Hand Auger
Sample Date: 4-27-06		Geologist(s): Jim Miller
Boring Diameter: 1.5"		Gray Clay Depth: 0.5'
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Silt	
0.5'-0.75'	Clay	Silt, dark brown to black, no odor or staining, non-plastic, trace fine sand and roots, moist, (mi) Clay, hard, mottled gray to brown, no odor or staining, high plasticity
Sample Name: EDT-1E-1A		
Analysis: PCBs, TPH-DRO		
Comments:		
SOIL BORING ID: EDT-1W-1		
Sample Date: 5/1/06		Drilling Method: Hand Auger
Boring Diameter: 1.5"		Geologist(s): Jim Miller
Depth Interval (ft. bgs)		Gray Clay Depth: Not encountered
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-2.5'	Silt	Silt, trace fine sand, little roots, non-plastic, black, subrounded gravel up to 1/2" on edge, moist, no odor or staining.
2.5'-4.5'	Sandy Clay	Sandy clay, fine sand, gray, high plasticity, moist, no odor or staining.
4.5'-6.5'	Sand and Gravel	Sand and gravel, sand = coarse grained, gravel = angular to subangular up to 1" or edge, non-plastic, saturated, no odor or staining
6.5'-9.5'	Sand and Gravel w/fill	Sand and gravel, sand = coarse grained, gravel = angular to subangular up to 1" or edge, non-plastic, saturated, no odor or staining, brick present
Sample Name: EDT-1W-1A, EDT-1W-1B(0.5-3.5), EDT-1W-1B(3.5-6.5), EDT-1W-1B(6.5-9.5)		
Analysis: PCBs, TPH-DRO		
Comments: Collapse of fill in hole caused termination. Clay not encountered		
SOIL BORING ID: EDT-2E-1		
Sample Date: 4/27/06		Drilling Method: Hand Auger
Boring Diameter: 1.5"		Geologist(s): Jim Miller
Depth Interval (ft. bgs)		Gray Clay Depth: 0.5'
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Clayey Silt	Very clayey silt, black, no odor or staining, trace roots and worms, medium plasticity, moist.
0.5'-3.5'	Clay	Brown and gray clay. Hard, high plasticity, no odor, roots, or staining.
Sample Name: EDT-2E-1A		
Analysis: PCBs, TPH-DRO		
Comments: Duplicated EDT-15E-1A taken		
SOIL BORING ID: EDT-2W-1		
Sample Date: 4/28/06		Drilling Method: Hand Auger
Boring Diameter: 1.5"		Geologist(s): Jim Miller
Depth Interval (ft. bgs)		Gray Clay Depth: Not encountered
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description
0-0.5'	Silt	Silt, moist, little roots, trace fine sand, non-plastic, sub-angular gravel 1/2" on edge.
0.5'-2.0'	Silt w/fill	Silt, moist, little roots, trace fine sand, non-plastic, sub-angular gravel 1/2" on edge. Red brick and metal shavings present.
2.0'-5.0'	Silt w/fill	Silt, moist, non-plastic, little coarse sand and gravel (subrounded and subangular) up to 1/2" on edge. Metal frags. and coal present.
5.0'-5.5'	Sand	Coarse angular sand, saturated
5.5'-9.5'	Sand and Gravel	Coarse sand and gravel, appears to be fill as gravel looks like old concrete pieces, non-plastic, saturated, no odor or staining.

<p>Sample Name: EDT-2W-1A, EDT-2W-1B(0.5'-3.5'), EDT-2W-1B(3.5'-6.5'), EDT-2W-1B(6.5'-9.5')</p> <p>Analysis: PCB'S, TPH-DRO</p> <p>Comments: Clay not encountered due to cave in.</p>	
<p>SOIL BORING ID: EDT-3E-1</p> <p>Sample Date: 4/26/06</p> <p>Boring Diameter: 1.5"</p> <p>Depth Interval (ft. bgs) Lithology Type</p>	
0-0.5'	Silt
0.5'-3.5'	Sand
3.5'-6.0'	Sand
6.0'-7.0'	Clay
<p>Drilling Method: Hand Auger</p> <p>Geologist(s): Jim Miller</p> <p>Gray Clay Depth: 6.0'</p>	
<p>Stratigraphic Description</p> <p>Clayey silt, some clay, little sand, trace roots, moist, dark brown, no odor or staining.</p> <p>Clayey sand, fine through medium grained, dark brown, non-plastic, saturated. No odor or staining.</p> <p>Clayey sand, fine through medium grained, non-plastic, black, stained, strong petroleum odor.</p> <p>Gray Clay Depth: 6.0'</p>	
<p>Sample Name: EDT-3E-1A, EDT-3E-1B(0.5'-3.5'), EDT-3E-1B(3.5'-6.0')</p> <p>Analysis: PCB'S, TPH-DRO</p> <p>Comments:</p>	
<p>SOIL BORING ID: EDT-3W-1</p> <p>Sample Date: 5/1/06</p> <p>Boring Diameter: 1.5"</p> <p>Depth Interval (ft. bgs) Lithology Type</p>	
0-0.5'	Silt
0.5'-2.0'	Sand
2.0'	
<p>Drilling Method: Hand Auger</p> <p>Geologist(s): Jim Miller</p> <p>Gray Clay Depth: Not encountered</p>	
<p>Stratigraphic Description</p> <p>Silt, brown, moist, non-plastic, trace roots and gravel (up to 1/2" subrounded) no odor or staining.</p> <p>Silt with little fine sand, brown, moist, non-plastic, trace roots and gravel (up to 1/2" subrounded) no odor or staining.</p> <p>Refusal on hard rock layer</p>	
<p>Sample Name: EDT-3W-1A, EDT-3W-1B(0.5'-2.0')</p> <p>Analysis: PCB'S, TPH-DRO</p> <p>Comments:</p>	
<p>SOIL BORING ID: EDT-4E-1</p> <p>Sample Date: 4/27/06</p> <p>Boring Diameter: 1.5"</p> <p>Depth Interval (ft. bgs) Lithology Type</p>	
0-0.5'	Silt
0.5'-1.0'	Silt
1.0'	
<p>Drilling Method: Hand Auger</p> <p>Geologist(s): Jim Miller</p> <p>Gray Clay Depth: Not encountered</p>	
<p>Stratigraphic Description</p> <p>Silt, moist, black, little fine sand, trace roots, non-plastic.</p> <p>Silt, moist, black, little fine sand, trace roots (less than above), non-plastic.</p> <p>Refusal on possible concrete slab</p>	
<p>Sample Name: EDT-4E-1A, EDT-4E-1B(0.5'-1.0')</p> <p>Analysis: PCB'S, TPH-DRO</p> <p>Comments:</p>	
<p>SOIL BORING ID: EDT-4W-1</p> <p>Sample Date: 5/2/06</p> <p>Boring Diameter: 1.5"</p> <p>Depth Interval (ft. bgs) Lithology Type</p>	
<p>Drilling Method: Hand Auger</p> <p>Geologist(s): Jim Miller</p> <p>Gray Clay Depth: Not encountered</p>	
<p>Stratigraphic Description</p>	

0-0.5'	Silt	Silt, moist, dark brown, non-plastic, trace roots and subangular gravel up to 1" on edge. No staining or odor.
0.5'-2.0'	Silt w/fill	Silt with isolated globules of light brown clayey silt, moist, dark brown, non-plastic, trace roots and subangular gravel up to 1" on edge. Pieces of glass and anthracite coal. Wire also found at this depth. Definite fill material. No staining or odor.
2.0'	Fill	Plastic wrap piece and glass followed immediately by refusal by either rock or wood.
<p>Sample Name: EDT-4W-1A, EDT-4W-1B(0.5'-2.0')</p> <p>Analysis: PCBs, TPH-DRO</p> <p>Comments: EDT-15W-1B(0.5'-2.0')</p>		

SOIL BORING ID: EDT-4W-2		
Sample Date: 5/2/06		
Boring Diameter: 1.5"		
Depth Interval (ft. bgs)	Lithology Type	Drilling Method: Hand Auger
Geologist(s): Jim Miller		
Gray Clay Depth: 7.5'		
0-1.0'	Silt w/fill	Stratigraphic Description Clayey silt, dark brown to gray, trace fine through medium sand and roots, low plasticity, no odor or staining. Pieces of plastic and cloth. Clayey gravel, trace roots and fine through medium sand, low plasticity, saturated, no odor. Product with odor hit at 4.5'. Plastic pieces at 5.5'. Sandy silt, fine through medium grained, slight plasticity. High plasticity gray clay
1.0'-6.5'	Gravel w/fill	
6.5'-7.5'	Silt	
7.5'-8.0'	Clay	
<p>Sample Name: EDT-4W-2A, EDT-4W-2B(0.5'-3.5'), EDT-4W-2B(3.5'-6.5')</p> <p>Analysis: PCBs, TPH-DRO</p> <p>Comments: Bucket would not hold material below 6.5'</p>		

SOIL BORING ID: EDT-4W-3		
Sample Date: 5/2/06		
Boring Diameter: 1.5"		
Depth Interval (ft. bgs)	Lithology Type	Drilling Method: Hand Auger
Geologist(s): Jim Miller		
Gray Clay Depth: 7.5'		
0-0.5'	Silt	Stratigraphic Description Clayey silt, trace fine through medium sand, moist, low plasticity, no odor or staining Sand, medium through coarse grained, trace clay and some gravel, saturated, petroleum odor and staining at 4.0'. 1.5" piece of glass Sand, medium through coarse grained, trace clay and some gravel, saturated, heavy petroleum odor and staining. High plasticity gray clay
0.5'-4.5'	Sand w/fill	
4.5'-7.5'	Silt	
7.5'-8.0'	Clay	
<p>Sample Name: EDT-4W-3A, EDT-4W-3B(0.5'-3.5'), EDT-4W-3B(3.5'-6.5')</p> <p>Analysis: PCBs, TPH-DRO</p> <p>Comments:</p>		

SOIL BORING ID: EDT-4W-4		
Sample Date: 5/24/06		
Boring Diameter: 1.5"		
Depth Interval (ft. bgs)	Lithology Type	Drilling Method: Hand Auger
Geologist(s): Jarney Charter		
Gray Clay Depth: Not encountered		
0-0.5'	Sand	Stratigraphic Description Silty sand, dark brown, low moisture content, little roots, trace stones <1/2" diameter. No odor or staining. Light brown clay, dense and dry. Void space Silty sand, dark brown, medium moisture, little gravel. No odor or staining. Gravel with silty sand. Saturated and very dark. Refusal on possible rock slab
0.5'-0.75'	Clay	
2.0'-2.5'		
2.5'-2.8'	Sand	
2.8'-3.0'	Sand	
3.0'		
<p>Sample Name: EDT-4W-4A, EDT-4W-4B(0.5'-3.0')</p> <p>Analysis: PCBs, TPH-DRO</p> <p>Comments:</p>		

SOIL BORING ID: EDT-4W-5		Drilling Method: Hand Auger	
Sample Date: 5/24/06		Geologist(s): Jamey Charter	
Boring Diameter: 1.5"		Gray Clay Depth: Not encountered	
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description	
0-0.5'	Sand w/fill	Silty sand, brown, medium moisture content, little roots, trace garbage and coal, gravel < 1/2"	
0.5'-1.0'	Sand	Sand, brown, high moisture content, no odor or staining.	
1.0'-2.0'	Sand w/fill	Sand becomes dark, almost black. High moisture content. Some rug and wood debris. Sand has mixed grains. Appears stained, but no odor.	
2.0'-3.0'		Fallout with no collection	
3.5'-6.0'	Sand w/fill	Sand and garbage fill. 10% gravel content. Contains rug and glass. Supersaturated, jet black, strong odor and staining.	
Sample Name: EDT-4W-5A, EDT-4W-5B(0.5'-3.5'), EDT-4W-5B(3.5'-6.0')		Refusal possibly on garbage	
Analysis: PCB'S, TPH-DRO			
Comments:			

SOIL BORING ID: EDT-4W-6		Drilling Method: Hand Auger	
Sample Date: 6/19/06		Geologist(s): Jamey Charter	
Boring Diameter: 1.5"		Gray Clay Depth: 8.5'	
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description	
0-0.5'	Silt	Sandy silt, dry, dark brown, little gravel < 1/2 diameter. Little roots.	
0.5'-4.0'	Silt	Sandy silt, dark brown to black, dry, trace gravel, little coal and glass, looks to be fill. No odor, but much coal comparatively to other samples.	
4.0'-6.5'	Sand	Silty sand with gravel, dark brown, saturated. No odor or staining	
6.5'-8.5'	Sand	Silty sand with gravel, trace clays, super saturated, jet black, no odor or staining.	
8.5'	Clay	Gray clay layer	
Sample Name: EDT-4W-6A, EDT-4W-6B(0.5'-3.5'), EDT-4W-6B(3.5'-6.5'), EDT-4W-6B(6.5'-8.5')			
Analysis: PCB'S, TPH-DRO			
Comments:			

SOIL BORING ID: EDT-4W-7		Drilling Method: Hand Auger	
Sample Date: 6/20/06		Geologist(s): Jamey Charter	
Boring Diameter: 1.5"		Gray Clay Depth: Not encountered	
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description	
0-0.5'	Silt	Sandy silt, dry, dark brown to light brown. Light brown has trace clays. Little small gravel > 1/4" diameter. Trace roots.	
0.5'-3.0'	Silt	Sandy silt, dry, darker than first 6". Many brick fragments, trace roots, trace gravel.	
3.0'-5.0'	Sand	Silty sand with brick, light red and brown in color, saturated. Glass and bolts present. No odor or staining. Soil darkens as we approach 5'.	
5.0'		Refusal on what appears to be stone or brick	
Sample Name: EDT-4W-7A, EDT-4W-7B(0.5'-3.5'), EDT-4W-6B(3.5'-5.0')			
Analysis: PCB'S, TPH-DRO			
Comments:			

SOIL BORING ID: EDT-4W-8		Drilling Method: Hand Auger	
Sample Date: 6/20/06		Geologist(s): John Burchette	
Boring Diameter: 1.5"		Gray Clay Depth: Not encountered	
Depth Interval (ft. bgs)	Lithology Type	Stratigraphic Description	
0-0.5'	Silt	Sandy silt, dry and dark brown(0-3") light brown (3"-6"). Light brown with some clay fine ton medium gravel and organics.	
0.5'-3.5'	Clay	Sandy clay, dark brown. Medium gravel with some fine gravel. Cloth material found at 2.0'. Zone of saturation at 3.0'. Refusal at 3.5 Slight odor and staining	