APPENDIX E

PIERSON CREEK LANDFILL INFORMATION

2006 Pierson Creek Landfill (looking north)

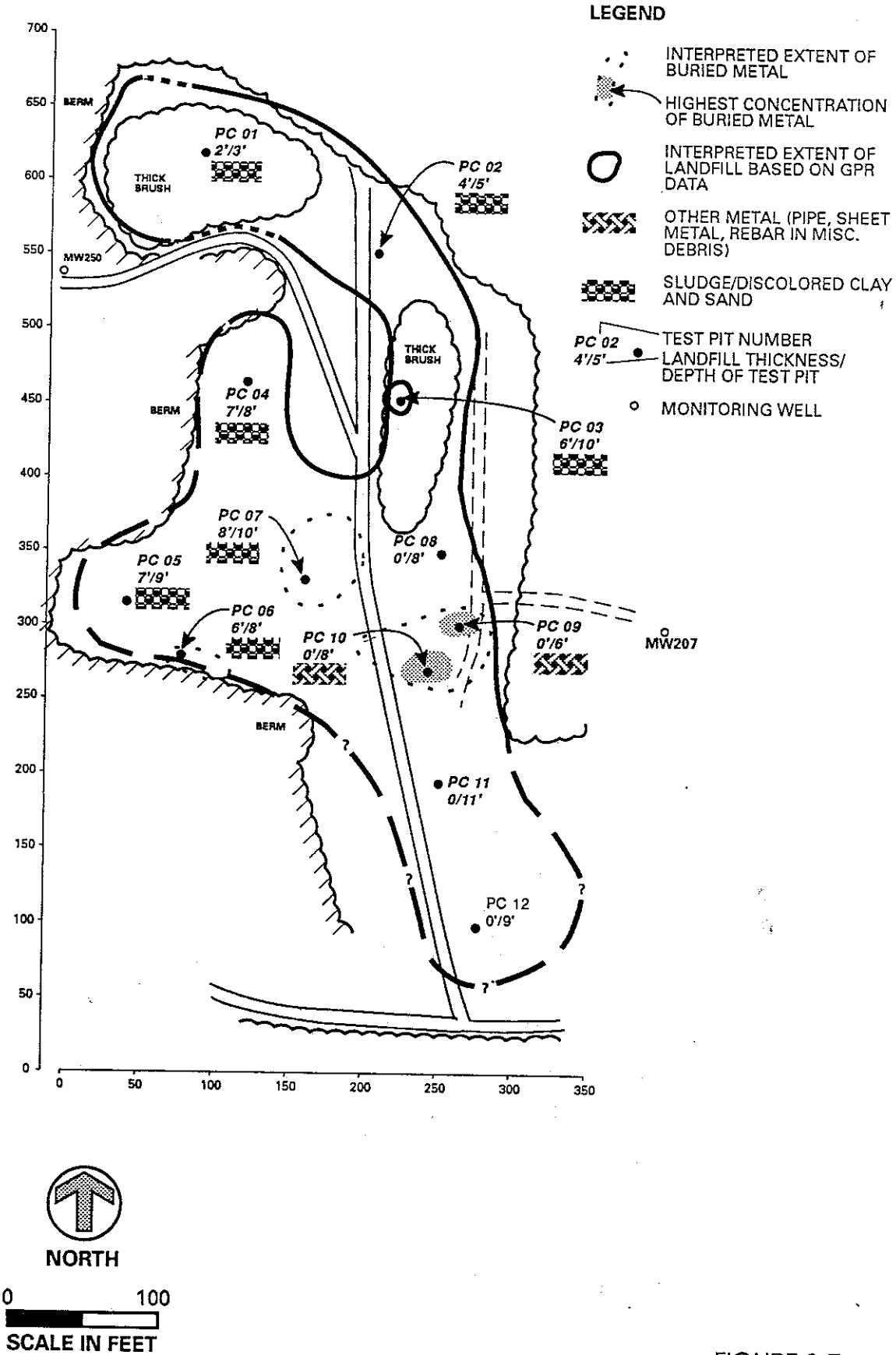
DuPont Montague Facility
Montague Michigan

2006 Pierson Creek Landfill (looking north)

DuPont Montague Facility
Montague Michigan

1996 Pierson Creek Landfill (looking east and looking north)
B1 through B11 notations identify boring locations

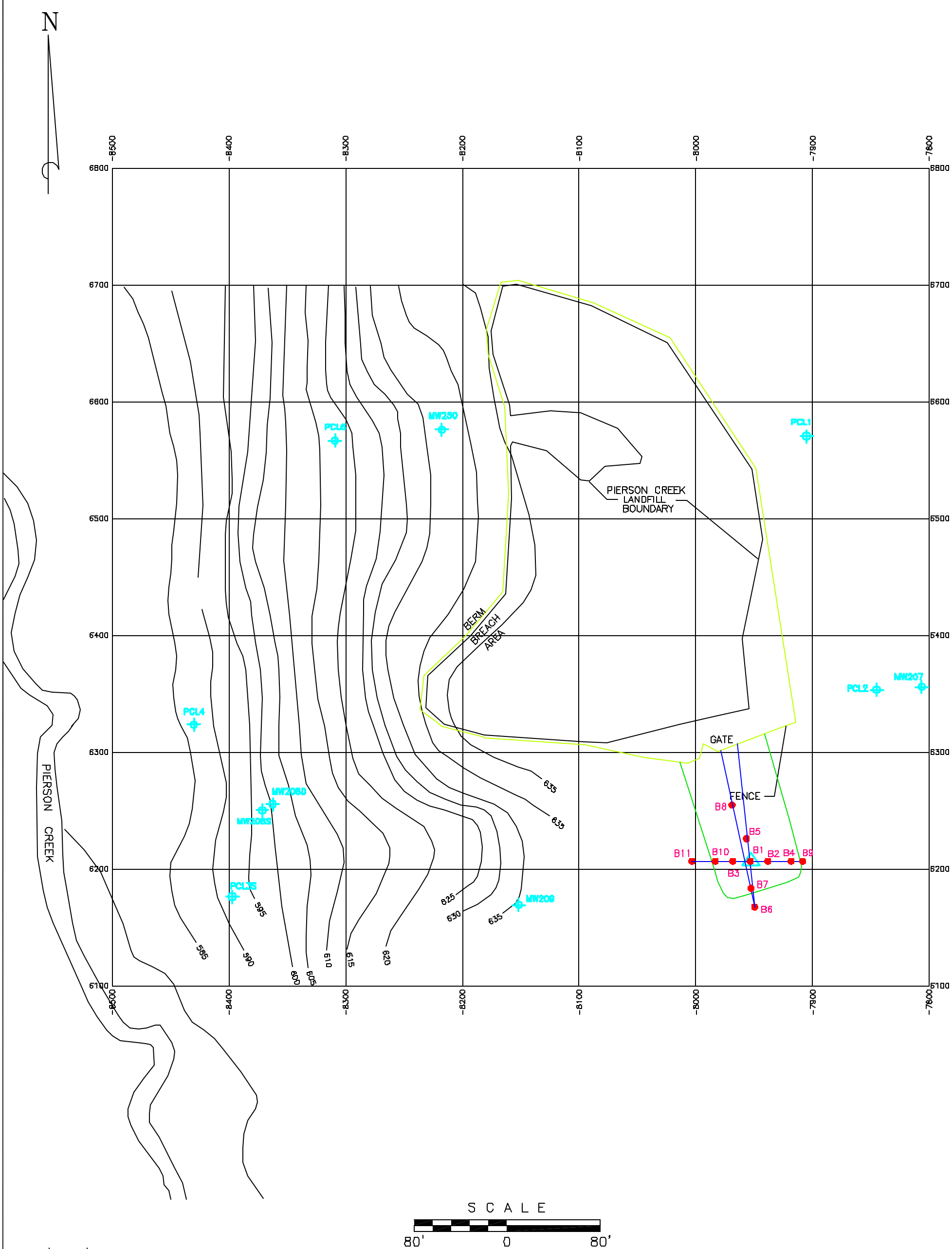
PIERSON CREEK LANDFILL
GREEN MATERIAL
Soil Boring Locations



GLO28406.A5.02 PC Waste Types 11-10-90mms

FIGURE 3-7
Occurrence of Selected Waste Types in Pierson Creek Landfill
DuPont Montague Landfill RI

CH2M HILL



Legend

595 — Topographic Contour Line

Monitor Well

Sample Location (Approx.) For Greenish Silty Sand Layer. Sample Name = PC-1

Distribution Of Greenish Layer Dashed Were Inferred

B1 — Soil Boring Location For Delineation Of Silty Green Material

DESIGNED P. CHEN	INITIALS	Corporate Remediation Group An Alliance between DuPont and URS Diamond Barley Mill Plaza, Building 19 Wilmington, Delaware 19805
DRAWN DEL		
CHECKED		
APPROVED(DESIGN)		
APPROVED(CONSTRUCTION)		

1996 PIERSON CREEK LANDFILL SOIL SAMPLE AND SOIL BORING LOCATIONS

DuPont Montague
Montague, Michigan

SCALE	DATE	CAD FILE NO.	FIGURE
1"=80'	11/1/98	48408001	1

Appendix E Table 1
1990 Pierson Creek Landfill Soils vs Industrial Drinking Water Protection

				Sample ID	TPPC02	TPPC04	TPPC05	TPPC07	TPPC07FR	TPPC10
				Date	5/15/90	5/15/90	5/15/90	5/15/90	5/15/90	5/15/90
				Top (ft)						
		Total (T)/	Screening	Bottom (ft)						
Analyte	**units**	**Diss. (D)**	**Criteria**	**Duplicate #**	1	1	1	1	1	1
1,1,1,2-TETRACHLOROETHANE	ug/kg	T	6400		<2600 U	<1100 U	<2600 U	<1000 U	<1000 U	<11 U
1,1,1-TRICHLOROETHANE	ug/kg	T	4000		<1000 U	<400 U	<1000 U	<400 U	<400 U	<4.2 U
1,1,2,2-TETRACHLOROETHANE	ug/kg	T	700		^<1800 U	<730 U	^<1800 U	<720 U	<720 U	<7.7 U
1,1,2-TRICHLOROETHANE	ug/kg	T	100		^<1300 U	^<530 U	^<1300 U	^<520 U	^<520 U	<5.6 U
1,1-DICHLOROETHANE	ug/kg	T	50000		<1200 U	<500 U	<1200 U	<490 U	<490 U	<5.2 U
1,1-DICHLOROETHENE	ug/kg	T	140		^<740 U	^<300 U	^<740 U	^<290 U	^<290 U	<3.1 U
1,2,3-TRICHLOROPROPANE	ug/kg	T	2400		<2600 U	<1100 U	<2600 U	<1000 U	<1000 U	<11 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/kg	T	10		^<2600 U	^<1100 U	^<2600 U	^<1000 U	^<1000 U	<11 U
1,2-DIBROMOETHANE (EDB)	ug/kg	T	20		^<2600 U	^<1100 U	^<2600 U	^<1000 U	^<1000 U	<11 U
1,2-DICHLOROBENZENE	ug/kg	T	14000		<200 U	<200 U	<200 U	<200 U	<200 U	<210 U
1,2-DICHLOROETHANE	ug/kg	T	100		^<740 U	^<300 U	^<740 U	^<290 U	^<290 U	<3.1 U
1,2-DICHLOROPROPANE	ug/kg	T	100		^<1600 U	^<640 U	^<1600 U	^<630 U	^<630 U	<6.7 U
1,3-DICHLOROBENZENE	ug/kg	T	480		<200 U	<200 U	<200 U	<200 U	<200 U	<210 U
1,4-DICHLORO-2-BUTENE	ug/kg	T			<2600 U	<1100 U	<2600 U	<1000 U	<1000 U	<11 U
1,4-DICHLOROBENZENE	ug/kg	T	1700		<460 U	<460 U	<450 U	<450 U	<450 U	<490 U
2-HEXANONE	ug/kg	T	58000		<2600 U	<1100 U	<2600 U	<1000 U	<1000 U	<11 U
ACETONE	ug/kg	T	42000		<2600 U	<1100 U	<2600 U	<1000 U	<1000 U	<11 U
ACROLEIN	ug/kg	T	6600		^<26000 U	<11000 U	^<26000 U	<10000 U	<10000 U	<110 U
ACRYLONITRILE	ug/kg	T	220		^<26000 U	^<11000 U	^<26000 U	^<10000 U	^<10000 U	<110 U
ALLYL CHLORIDE	ug/kg	T			<2600 U	<1100 U	<2600 U	<1000 U	<1000 U	<11 U
BENZENE	ug/kg	T	100		^<1200 U	^<470 U	^2000	^278 JX	^254 JX	<4.9 U
BROMODICHLOROMETHANE	ug/kg	T	1600		<580 U	<230 U	<580 U	<230 U	<230 U	<2.4 U
BROMOFORM	ug/kg	T	1600		<1200 U	<500 U	<1200 U	<490 U	<490 U	<5.2 U
CARBON DISULFIDE	ug/kg	T	46000		<2600 U	<1100 U	<2600 U	<1000 U	<1000 U	<11 U
CARBON TETRACHLORIDE	ug/kg	T	100		^<740 U	^<300 U	^<740 U	^<290 U	^<290 U	<3.1 U
CHLOROBENZENE	ug/kg	T	2000		<1600 U	<640 U	<1600 U	<630 U	<630 U	<6.7 U
CHLORODIBROMOMETHANE	ug/kg	T	1600		<820 U	<330 U	<820 U	<320 U	<320 U	<3.4 U
CHLOROFORM	ug/kg	T	1600		<420 U	<170 U	<420 U	<170 U	<170 U	<1.8 U
CHLOROPRENE	ug/kg	T			NR U	NR U	NR U	NR U	NR U	NR U
CIS-1,3-DICHLOROPROPENE	ug/kg	T	700		<1300 U	<530 U	<1300 U	<520 U	<520 U	<5.6 U
DICHLORODIFLUOROMETHANE	ug/kg	T	270000		<2600 U	<1100 U	<2600 U	<1000 U	<1000 U	<11 U
ETHYL CHLORIDE	ug/kg	T	34000		<2600 U	<1100 U	<2600 U	<1000 U	<1000 U	<11 U
ETHYL METHACRYLATE	ug/kg	T			<2600 U	<1100 U	<2600 U	<1000 U	<1000 U	<11 U
ETHYLBENZENE	ug/kg	T	1500		1320 JX	<770 U	^2940	880	970	<8 U
IODOMETHANE	ug/kg	T			NR IND	NR IND	NR IND	NR IND	NR IND	NR IND
M-XYLENE	ug/kg	T			3360	<1100 U	5550	<1000 U	982 JX	<11 U
METHYL BROMIDE	ug/kg	T	580		^<2600 U	<1100 U	^<2600 U	<1000 U	<1000 U	<11 U
METHYL CHLORIDE	ug/kg	T	22000		<2600 U	<1100 U	<2600 U	<1000 U	<1000 U	<11 U
METHYL ETHYL KETONE	ug/kg	T	760000		<2600 UJ	<1100 UJ	<2600 UJ	<1000 UJ	<1000 UJ	<11 UJ
METHYL ISOBUTYL KETONE	ug/kg	T	100000		<2600 U	<1100 U	<2600 U	<1000 U	<1000 U	<11 U
METHYL METHACRYLATE	ug/kg	T			<2600 U	<1100 U	<2600 U	<1000 U	<1000 U	<11 U
METHYLENE BROMIDE	ug/kg	T	4600		NR U	NR U	NR U	NR U	NR U	NR U
METHYLENE CHLORIDE	ug/kg	T	100		^463 JX, B	^239 JX, B	^<740 U	^179 JX, B	^280 JX, B	10.7 B

Criteria = MDEQ 21B Soil Indust DW Protection #21B 12/2004
^ and shaded cells = Concentration above criteria (NDs [^^] assumed to be 50% reporting limit)
< and ND = Non detect at stated reporting limit

Appendix E Table 1
1990 Pierson Creek Landfill Soils vs Industrial Drinking Water Protection

				Sample ID	TPPC02	TPPC04	TPPC05	TPPC07	TPPC07FR	TPPC10
				Date	5/15/90	5/15/90	5/15/90	5/15/90	5/15/90	5/15/90
				Top (ft)						
		Total (T)/	Screening	Bottom (ft)						
Analyte	**units**	**Diss. (D)**	**Criteria**	**Duplicate #**	1	1	1	1	1	1
PENTACHLOROETHANE	ug/kg	T			NR IND	NR IND	NR IND	NR IND	NR IND	NR IND
STYRENE	ug/kg	T	2700		2220 JX	<1100 U	^13100	1400	1520	<11 U
TETRACHLOROETHYLENE	ug/kg	T	100		^26100	^7680	^12000	^3240	^3440	<4.6 U
TOLUENE	ug/kg	T	16000		^29300	<640 U	^25800	10100	9880	<6.7 U
TRANS-1,2-DICHLOROETHENE	ug/kg	T	2000		<420 U	<170 U	<420 U	<170 U	<170 U	<1.8 U
TRANS-1,3-DICHLOROPROPENE	ug/kg	T	700		<2600 U	<1100 U	<2600 U	<1000 U	<1000 U	<11 U
TRICHLOROETHENE	ug/kg	T	100		^467 JX	<200 U	^<500 U	<200 U	<200 U	<2.1 U
TRICHLOROFLUOROMETHANE	ug/kg	T	150000		<2600 U	<1100 U	<2600 U	<1000 U	<1000 U	<11 U
VINYL ACETATE	ug/kg	T	36000		<2600 U	<1100 U	<2600 U	<1000 U	<1000 U	<11 U
VINYL CHLORIDE	ug/kg	T	40		^<2600 U	^<1100 U	^<2600 U	^<1000 U	^<1000 U	<11 U
XYLENES	ug/kg	T	5600		2930	<1100 U	5370	821 JX	1020 JX	<11 U
1,2,4,5-TETRACHLOROBENZENE	ug/kg	T	1500000		<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
1,2,4-TRICHLOROBENZENE	ug/kg	T	4200		<200 U	<200 U	<200 U	<200 U	<200 U	<210 U
1,3,5-TRINITROBENZENE	ug/kg	T			NR IND	NR IND	NR IND	NR IND	NR IND	NR IND
1,3-DINITROBENZENE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
1,4-NAPHTHOQUINONE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
1-NAPHTHYLAMINE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
2,3,4,6-TETRACHLOROPHENOL	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
2,4,5-TRICHLOROPHENOL	ug/kg	T	110000		<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
2,4,6-TRICHLOROPHENOL	ug/kg	T	9400		<280 U	<280 U	<280 U	<280 U	<280 U	<300 U
2,4-DICHLOROPHENOL	ug/kg	T	4200		<280 U	<280 U	<280 U	<280 U	<280 U	<300 U
2,4-DIMETHYLPHENOL	ug/kg	T	20000		<280 U	<280 U	<280 U	<280 U	<280 U	<300 U
2,4-DINITROPHENOL	ug/kg	T			<4400 U	<4400 U	<4300 U	<4300 U	<4300 U	<4700 U
2,4-DINITROTOLUENE	ug/kg	T	640		<590 U	<590 U	<590 U	<590 U	<590 U	<630 U
2,6-DICHLOROPHENOL	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
2,6-DINITROTOLUENE	ug/kg	T			<200 U	<200 U	<200 U	<200 U	<200 U	<210 U
2-ACETYLAMINOFLUORENE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
2-CHLOROPHENOL	ug/kg	T	2600		<340 U	<340 U	<340 U	<340 U	<340 U	<370 U
2-METHYLNAPHTHALENE	ug/kg	T	170000		11000	<1000 U	20400	13200	8310	<1100 U
2-METHYLPHENOL (O-CRESOL)	ug/kg	T	20000		<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
2-NAPHTHYLAMINE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
2-NITROANILINE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
2-NITROPHENOL	ug/kg	T	1200		<370 U	<370 U	<370 U	<370 U	<370 U	<400 U
2-PICOLINE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
3,3'-DICHLOROBENZIDINE	ug/kg	T	2000		<1700 U	<1700 U	<1700 U	<1700 U	<1700 U	<1800 U
3,3'-DIMETHYLBENZIDINE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
3- AND 4- METHYLPHENOL	ug/kg	T	20000		<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
3-METHYLCHOLANTHRENE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
3-NITROANILINE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
4,6-DINITRO-2-METHYLPHENOL	ug/kg	T	830		^<2500 U	^<2500 U	^<2500 U	^<2500 U	^<2500 U	^<2700 U
4-AMINOBIPHENYL	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
4-BROMOPHENYL PHENYL ETHER	ug/kg	T			<200 U	<200 U	<200 U	<200 U	<200 U	<210 U
4-CHLORO-3-METHYLPHENOL	ug/kg	T	16000		<310 U	<310 U	<310 U	<310 U	<310 U	<330 U

Criteria = MDEQ 21B Soil Indust DW Protection #21B 12/2004
^ and shaded cells = Concentration above criteria (NDs [^^] assumed to be 50% reporting limit)
< and ND = Non detect at stated reporting limit

Appendix E Table 1
1990 Pierson Creek Landfill Soils vs Industrial Drinking Water Protection

				Sample ID	TPPC02	TPPC04	TPPC05	TPPC07	TPPC07FR	TPPC10
				Date	5/15/90	5/15/90	5/15/90	5/15/90	5/15/90	5/15/90
				Top (ft)						
		Total (T)/	Screening	Bottom (ft)						
Analyte	**units**	**Diss. (D)**	**Criteria**	**Duplicate #**	1	1	1	1	1	1
4-CHLOROANILINE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
4-CHLOROPHENYL PHENYL ETHER	ug/kg	T			<440 U	<440 U	<430 U	<430 U	<430 U	<470 U
4-DIMETHYLAMINOAZOBENZENE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
4-NITROANILINE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
4-NITROPHENOL	ug/kg	T			<250 U	<250 U	<250 U	<250 U	<250 U	<270 U
4-NITROQUINOLINE-N-OXIDE	ug/kg	T			NR IND	NR IND	NR IND	NR IND	NR IND	NR IND
5-NITRO-ORTHO-TOLUIDINE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
7,12-DIMETHYLBENZ[A]ANTHRACENE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
ACENAPHTHENE	ug/kg	T	880000		<200 U	2060	<200 U	2430	1850	<210 U
ACENAPHTHYLENE	ug/kg	T	17000		^36900	9840	^66200	^25200	^18900	<390 U
ACETOPHENONE	ug/kg	T	88000		<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
ALPHA,ALPHA-DIMETHYLPHENETHYLAMINE	ug/kg	T			NR U	NR U	NR U	NR U	NR U	NR U
ANILINE	ug/kg	T	4400		<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
ANTHRACENE	ug/kg	T	41000		8640	2860	19100	16400	8920	<210 U
ARAMITE	ug/kg	T			NR IND	NR IND	NR IND	NR IND	NR IND	NR IND
BENZO(A)ANTHRACENE	ug/kg	T			<810 U	<810 U	<800 U	<800 U	<800 U	<870 U
BENZO(B)FLUORANTHENE	ug/kg	T			1080	938	2140	1960	1630	<530 U
BENZO(G,H,I)PERYLENE	ug/kg	T			1890	1430	3330	3540	1730	<460 U
BENZO(K)FLUORANTHENE	ug/kg	T			<260 U	<260 U	<260 U	<260 U	<260 U	<280 U
BENZO[A]PYRENE	ug/kg	T			1110	1010	2530	2350	1780	<280 U
BENZYL ALCOHOL	ug/kg	T	580000		<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
BIS(2-CHLORO-1-METHYLETHYL) ETHER	ug/kg	T			<590 U	<590 U	<590 U	<590 U	<590 U	<630 U
BIS(2-CHLOROETHOXY)METHANE	ug/kg	T			<550 U	<550 U	<550 U	<550 U	<550 U	<590 U
BIS(2-CHLOROETHYL)ETHER	ug/kg	T	170		^<590 U	^<590 U	^<590 U	^<590 U	^<590 U	^<630 U
BIS(2-ETHYLHEXYL)PHTHALATE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
BUTYL BENZYL PHTHALATE	ug/kg	T	310000		<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
CHRYSENE	ug/kg	T			809	615	1640	1710	1190	<280 U
DI-N-BUTYL PHTHALATE	ug/kg	T	760000		8850 B	3860 B	7430 B	8030 B	3930 B	1230 B
DIALLATE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
DIBENZ(A,H)ANTHRACENE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
DIBENZOFURAN	ug/kg	T			2330	809 JX	3880	3390	2400	<1100 U
DIETHYL PHTHALATE	ug/kg	T	320000		<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
DIMETHYL PHTHALATE	ug/kg	T	790000		<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
DIPHENYL AMINE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
ETHYL METHANESULFONATE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
FLUORANTHENE	ug/kg	T	730000		33300	17800	54300	55400	27500	<240 U
FLUORENE	ug/kg	T	890000		9840	4790	12700	13200	9480	<210 U
HEXACHLOROBENZENE	ug/kg	T	1800		<200 U	<200 U	<200 U	<200 U	<200 U	<210 U
HEXACHLOROBUTADIENE	ug/kg	T	72000		<94 U	<94 U	<93 U	<93 U	<93 U	<100 U
HEXACHLOROCYCLOPENTADIENE	ug/kg	T	320000		<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
HEXACHLOROETHANE	ug/kg	T	1200		<170 U	<170 U	<160 U	<160 U	<160 U	<180 U
HEXACHLOROPHENE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
HEXACHLOROPROPYLENE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U

Criteria = MDEQ 21B Soil Indust DW Protection #21B 12/2004
^ and shaded cells = Concentration above criteria (NDs [^^] assumed to be 50% reporting limit)
< and ND = Non detect at stated reporting limit

Appendix E Table 1
1990 Pierson Creek Landfill Soils vs Industrial Drinking Water Protection

				Sample ID	TPPC02	TPPC04	TPPC05	TPPC07	TPPC07FR	TPPC10
				Date	5/15/90	5/15/90	5/15/90	5/15/90	5/15/90	5/15/90
				Top (ft)						
		Total (T)/	Screening	Bottom (ft)						
Analyte	**units**	**Diss. (D)**	**Criteria**	**Duplicate #**	1	1	1	1	1	1
INDENO (1,2,3-CD) PYRENE	ug/kg	T			913	743	1720	1810	1010	<520 U
ISODRIN	ug/kg	T			<610 U	<610 U	<610 U	<610 U	<610 U	<660 U
ISOPHORONE	ug/kg	T	62000		<230 U	<230 U	<230 U	<230 U	<230 U	<240 U
ISOSAFROLE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
METHAPYRILENE	ug/kg	T			NR IND	NR IND	NR IND	NR IND	NR IND	NR IND
METHYL METHANESULFONATE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
N-DIOCTYL PHTHALATE	ug/kg	T	140000000		<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
N-NITROSO(METHYL)ETHYLAMINE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
N-NITROSO-DI-N-BUTYLAMINE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
N-NITROSODI-N-PROPYLAMINE	ug/kg	T	330		^<1000 U	^<1000 U	^<1000 U	^<1000 U	^<1000 U	^<1100 U
N-NITROSODIETHYLAMINE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
N-NITROSODIMETHYLAMINE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	1000	<1100 U
N-NITROSODIPHENYLAMINE	ug/kg	T	22000		<200 U	<200 U	<200 U	<200 U	<200 U	<210 U
N-NITROSOMORPHOLINE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
N-NITROSOPIPERIDINE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
N-NITROSOPYRROLIDINE	ug/kg	T			NR IND	NR IND	NR IND	NR IND	NR IND	NR IND
NAPHTHALENE	ug/kg	T	100000		39300	<170 U	84100	44500	29400	<180 U
NITROBENZENE	ug/kg	T	330		<200 U	<200 U	<200 U	<200 U	<200 U	<210 U
O,O,O-TRIETHYLPHOSPHOROTHIOATE	ug/kg	T			NR IND	NR IND	NR IND	NR IND	NR IND	NR IND
O-TOLUIDINE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
PARA-PHENYLENEDIAMINE	ug/kg	T			NR IND	NR IND	NR IND	NR IND	NR IND	NR IND
PCN-2	ug/kg	T	1800000		<200 U	<200 U	<200 U	<200 U	<200 U	<210 U
PENTACHLOROBENZENE	ug/kg	T	81000		<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
PENTACHLORONITROBENZENE	ug/kg	T	37000		NR IND	NR IND	NR IND	NR IND	NR IND	NR IND
PENTACHLOROPHENOL	ug/kg	T	22		^<370 U	^<370 U	^<370 U	^<370 U	^<370 U	^<400 U
PHENACETIN	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
PHENANTHRENE	ug/kg	T	160000		32400	6670	55300	44700	29300	<600 U
PHENOL	ug/kg	T	260000		<160 U	<160 U	<150 U	<150 U	<150 U	<170 U
PRONAMIDE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
PYRENE	ug/kg	T	480000		54800	31900	78100	76900	39100	<210 U
PYRIDINE	ug/kg	T	420		^<8300 U	^<8300 U	^<8200 U	^<8200 U	^<8200 U	^<8900 U
SAFROLE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
TETRAETHYL DITHIOPYROPHOSPHATE	ug/kg	T			NR U	NR U	NR U	NR U	NR U	NR U
DINOSEB	ug/kg	T	300		^<1000 U	^<1000 U	^<1000 U	^<1000 U	^<1000 U	^<1100 U
ANTIMONY	ug/kg	T	4300		<6200 U	<6300 U	<6200 U	<6200 U	<6200 U	<6700 U
ARSENIC	ug/kg	T	4600		220 JX	220 JX	340 JX	220 JX	270 JX	560 JX
BARIUM	ug/kg	T	1300000		4300	5300	3500	2500	2700	10000
BERYLLIUM	ug/kg	T	51000		110	110	170	110	110	170
CADMIUM	ug/kg	T	6000		250	220	720	250	180 JX	470
CHROMIUM	ug/kg	T	1000000000		1300	1100	1600	1100	1200	2400
COBALT	ug/kg	T	2000		800 JX	670 JX	500 JX	820 JX	740 JX	1200 JX
COPPER	ug/kg	T	5800000		1200	3400	2600	1200	2600	16000
LEAD	ug/kg	T	700000		460 JX	380 JX	270 JX	300 JX	450 JX	1100

Criteria = MDEQ 21B Soil Indust DW Protection #21B 12/2004
^ and shaded cells = Concentration above criteria (NDs [^^] assumed to be 50% reporting limit)
< and ND = Non detect at stated reporting limit

Appendix E Table 1
1990 Pierson Creek Landfill Soils vs Industrial Drinking Water Protection

				Sample ID	TPPC02	TPPC04	TPPC05	TPPC07	TPPC07FR	TPPC10
				Date	5/15/90	5/15/90	5/15/90	5/15/90	5/15/90	5/15/90
				Top (ft)						
		Total (T)/	**Screening**	**Bottom (ft)**						
Analyte	**units**	**Diss. (D)**	**Criteria**	**Duplicate #**	1	1	1	1	1	1
MERCURY	ug/kg	T	1700		<83 U	<84 U	<83 U	<83 U	<83 U	<89 U
NICKEL	ug/kg	T	100000		1200 JX	1200 JX	1400 JX	880 JX	1100 JX	2200 JX
SELENIUM	ug/kg	T	4000		<520 U	<520 U	<520 U	<520 U	<520 U	<560 U
SILVER	ug/kg	T	13000		<1000 U	<1000 U	1100	<1000 U	<1000 U	<1100 U
THALLIUM	ug/kg	T	2300		<1000 U	<1000 U	<1000 U	<1000 U	<1000 U	<1100 U
TIN	ug/kg	T			2700 JX	3400 JX	11000	2900 JX	4300 JX	4100 JX
VANADIUM	ug/kg	T	990000		1700 JX	1800 JX	3800	1900 JX	1800 JX	3300
ZINC	ug/kg	T	5000000		2900	2800	3400	2100	2500	5000
CYANIDE	ug/kg	T	4000		<520 U	<520 U	<520 U	<520 U	1310	<520 U
SULFIDE	ug/kg	T			8000	<1000 U	<1000 U	<1000 U	<1000 U	<1000 U

Criteria = MDEQ 21B Soil Indust DW Protection #21B 12/2004
^ and shaded cells = Concentration above criteria (NDs [^^] assumed to be 50% reporting limit)
< and ND = Non detect at stated reporting limit

Appendix E Table 2
Pierson Creek Landfill Green Material vs Industrial Drinking Water Protection

				Sample ID	PC-1-SOUTH
				Date	10/29/96
				Top (ft)	
		Total (T)/	Screening	Bottom (ft)	
Analyte	**units**	**Diss. (D)**	**Criteria**	**Duplicate #**	1
1,1,1-TRICHLOROETHANE	ug/kg	T	4000		<2.
1,1,2,2-TETRACHLOROETHANE	ug/kg	T	700		<2.
1,1,2-TRICHLOROETHANE	ug/kg	T	100		<4.
1,1-DICHLOROETHANE	ug/kg	T	50000		<2.
1,1-DICHLOROETHENE	ug/kg	T	140		<4.
1,2-DICHLOROBENZENE	ug/kg	T	14000		<310.
1,2-DICHLOROETHANE	ug/kg	T	100		<4.
1,2-DICHLOROPROPANE	ug/kg	T	100		<6.
1,3-DICHLOROBENZENE	ug/kg	T	480		<310.
1,4-DICHLOROBENZENE	ug/kg	T	1700		<310.
2-CHLOROETHYL VINYL ETHER	ug/kg	T			<4.
ACROLEIN	ug/kg	T	6600		<37.
ACRYLONITRILE	ug/kg	T	220		<19.
BENZENE	ug/kg	T	100		<2.
BROMODICHLOROMETHANE	ug/kg	T	1600		<4.
BROMOFORM	ug/kg	T	1600		<2.
CARBON TETRACHLORIDE	ug/kg	T	100		<2.
CHLOROBENZENE	ug/kg	T	2000		<2.
CHLORODIBROMOMETHANE	ug/kg	T	1600		<2.
CHLOROFORM	ug/kg	T	1600		<2.
CIS-1,3-DICHLOROPROPENE	ug/kg	T	700		<2.
ETHYL CHLORIDE	ug/kg	T	34000		<6.
ETHYLBENZENE	ug/kg	T	1500		<2.
METHYL BROMIDE	ug/kg	T	580		<6.
METHYL CHLORIDE	ug/kg	T	22000		<4.
METHYLENE CHLORIDE	ug/kg	T	100		<4.
TETRACHLOROETHYLENE	ug/kg	T	100		^1900.
TOLUENE	ug/kg	T	16000		8. J
TRANS-1,2-DICHLOROETHENE	ug/kg	T	2000		<4.
TRANS-1,3-DICHLOROPROPENE	ug/kg	T	700		<2.
TRICHLOROETHENE	ug/kg	T	100		<2.
VINYL CHLORIDE	ug/kg	T	40		<4.
1,2,4-TRICHLOROBENZENE	ug/kg	T	4200		<310.
1,2-DIPHENYLHYDRAZINE	ug/kg	T			<620.
2,4,6-TRICHLOROPHENOL	ug/kg	T	9400		<620.
2,4-DICHLOROPHENOL	ug/kg	T	4200		<310.
2,4-DIMETHYLPHENOL	ug/kg	T	20000		<620.
2,4-DINITROPHENOL	ug/kg	T			<1600.
2,4-DINITROTOLUENE	ug/kg	T	640		<620.
2,6-DINITROTOLUENE	ug/kg	T			<620.
2-CHLOROPHENOL	ug/kg	T	2600		<310.
2-NITROPHENOL	ug/kg	T	1200		<620.
3,3'-DICHLOROBENZIDINE	ug/kg	T	2000		<1200.

Criteria = MDEQ 21B Soil Indust DW Protection #21B 12/2004
^ and shaded cells = Concentration above criteria (NDs [^^] assumed to be 50% reporting limit)
< and ND = Non detect at stated reporting limit

Appendix E Table 2
Pierson Creek Landfill Green Material vs Industrial Drinking Water Protection

				Sample ID	PC-1-SOUTH
				Date	10/29/96
				Top (ft)	
		Total (T)/	Screening	Bottom (ft)	
Analyte	units	Diss. (D)	Criteria	Duplicate #	1
4,6-DINITRO-2-METHYLPHENOL	ug/kg	T	830		<1600.
4-BROMOPHENYL PHENYL ETHER	ug/kg	T			<930.
4-CHLORO-3-METHYLPHENOL	ug/kg	T	16000		<620.
4-CHLOROPHENYL PHENYL ETHER	ug/kg	T			<620.
4-NITROPHENOL	ug/kg	T			<1600.
ACENAPHTHENE	ug/kg	T	880000		<310.
ACENAPHTHYLENE	ug/kg	T	17000		<310.
ANTHRACENE	ug/kg	T	41000		<310.
BENZIDINE	ug/kg	T	1000		^<7800.
BENZO(A)ANTHRACENE	ug/kg	T			<310.
BENZO(B)FLUORANTHENE	ug/kg	T			<620.
BENZO(G,H,I)PERYLENE	ug/kg	T			<620.
BENZO(K)FLUORANTHENE	ug/kg	T			<1200.
BENZO[A]PYRENE	ug/kg	T			<620.
BIS(2-CHLORO-1-METHYLETHYL) ETHER	ug/kg	T			<620.
BIS(2-CHLOROETHOXY)METHANE	ug/kg	T			<310.
BIS(2-CHLOROETHYL)ETHER	ug/kg	T	170		^<620.
BIS(2-ETHYLHEXYL)PHTHALATE	ug/kg	T			2000. J
BUTYL BENZYL PHTHALATE	ug/kg	T	310000		<620.
CHRYSENE	ug/kg	T			<310.
DI-N-BUTYL PHTHALATE	ug/kg	T	760000		<310.
DIBENZ(A,H)ANTHRACENE	ug/kg	T			<620.
DIETHYL PHTHALATE	ug/kg	T	320000		<620.
DIMETHYL PHTHALATE	ug/kg	T	790000		<310.
FLUORANTHENE	ug/kg	T	730000		<310.
FLUORENE	ug/kg	T	890000		<310.
HEXACHLOROBENZENE	ug/kg	T	1800		<930.
HEXACHLOROBUTADIENE	ug/kg	T	72000		<620.
HEXACHLOROCYCLOPENTADIENE	ug/kg	T	320000		<1600.
HEXACHLOROETHANE	ug/kg	T	1200		<620.
INDENO (1,2,3-CD) PYRENE	ug/kg	T			<620.
ISOPHORONE	ug/kg	T	62000		<620.
N-DIOCTYL PHTHALATE	ug/kg	T	140000000		<620.
N-NITROSODI-N-PROPYLAMINE	ug/kg	T	330		<620.
N-NITROSODIMETHYLAMINE	ug/kg	T			<620.
N-NITROSODIPHENYLAMINE	ug/kg	T	22000		800. J
NAPHTHALENE	ug/kg	T	100000		<310.
NITROBENZENE	ug/kg	T	330		<310.
PCN-2	ug/kg	T	1800000		<310.
PENTACHLOROPHENOL	ug/kg	T	22		^<1600.
PHENANTHRENE	ug/kg	T	160000		600. J
PHENOL	ug/kg	T	260000		<310.
PYRENE	ug/kg	T	480000		<620.

Criteria = MDEQ 21B Soil Indust DW Protection #21B 12/2004
^ and shaded cells = Concentration above criteria (NDs [^^] assumed to be 50% reporting limit)
< and ND = Non detect at stated reporting limit

Appendix E Table 2
Pierson Creek Landfill Green Material vs Industrial Drinking Water Protection

				Sample ID	PC-1-SOUTH
				Date	10/29/96
				Top (ft)	
		Total (T)/	**Screening**	**Bottom (ft)**	
Analyte	**units**	**Diss. (D)**	**Criteria**	**Duplicate #**	1
ANTIMONY	ug/kg	T	4300		^58000
ARSENIC	ug/kg	T	4600		^310000
BERYLLIUM	ug/kg	T	51000		240 J
CADMIUM	ug/kg	T	6000		350
CHROMIUM	ug/kg	T	1000000000		76700
COPPER	ug/kg	T	5800000		^22400000
LEAD	ug/kg	T	700000		19300
MERCURY	ug/kg	T	1700		107 J
NICKEL	ug/kg	T	100000		71300
SELENIUM	ug/kg	T	4000		2020
SILVER	ug/kg	T	13000		940 J
THALLIUM	ug/kg	T	2300		<730
ZINC	ug/kg	T	5000000		82000
PERCENT MOISTURE	% BY WT.	T			46.4

Criteria = MDEQ 21B Soil Indust DW Protection #21B 12/2004
^ and shaded cells = Concentration above criteria (NDs [^^] assumed to be 50% reporting limit)
< and ND = Non detect at stated reporting limit

DuPont In-House Review (DDR)

The DDR is an automated internal review process used by the ADQM group to determine if the data is usable. The data is run through this automated program where a series of checks are performed on the data. The data is evaluated against hold time criteria, checked for blank contamination, assessed against matrix spike(MS)/matrix spike duplicate (MSD) recoveries, assessed against relative percent differences (RPDs) between these samples, assessed against laboratory control sample(LCS)/control sample duplicate (LCSD) recoveries, assessed against RPDs between these samples, assessed against RPDs between laboratory replicates, and assessed against surrogate spike recoveries. The DDR applies the following data qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

Laboratory Qualifiers

The laboratory may have applied one or more of the following data qualifiers to analysis results, as warranted:

DIL	The concentration is estimated or not reported due to dilution or to the presence of interfering analytes.
NC	The recovery and or RPD were not calculated.
J	Estimated value; result falls between method detection limit (mdl) and practical quantitation limit (pql).
U	Analyte was not detected at the specified reporting limit
B	Analyte concentration is not significantly greater than that detected in an associated method blank.

J	Estimated value; result falls between method detection limit (mdl) and practical quantitation limit (pql).
*	Surrogate recovery is outside stated control limits.
J	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
B	Estimated result. Result is less than reporting limit (RL)
Q	Elevated reporting limit. The reporting limit is elevated because sample dilution was required to bring target compounds within calibration range of the analytical system.
G	Elevated reporting limit. The reporting limit is elevated because sample dilution was required for analysis due to matrix interference.

These lab qualifiers are applied independent of DuPont In-House Data Review (DDR) qualifiers.

Appendix E
Table 3
Pierson Creek Landfill Groundwater Results vs. Industrial Drinking Water

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Sample ID Date Top (ft) Bottom (ft) Duplicate #	PCL-3 4/25/94 1	PCL-3 6/26/96 1	PCL-3 9/9/96 1	PCL-3 1/15/97 1	PCL-3 3/25/97 1	PCL-3 6/10/97 1	PCL-3 9/9/97 1	PCL-3 12/3/97 1	PCL-3 12/9/97 1	PCL-3 3/24/98 1	PCL-3 6/3/98 1	PCL-3 9/30/98 1	PCL-3 12/9/98 1
OVABZONE	NONE	T															
OVABZONE	PPM	T															
OVACASING	NONE	T															
OVACASING	PPM	T															
1,1,1-TRICHLOROETHANE	ug/l	T	200		<5	<.8	<.5	<1.	<1.	<1.	<1.		<1.	<1.	<1.	<1.	<1.
1,1,2,2-TETRACHLOROETHANE	ug/l	T	8.5		<5												
1,1,2-TRICHLOROETHANE	ug/l	T	5		<5												
1,1,2-TRICHLOROTRIFLUOROETHANE	ug/l	T	170000			<1.8	<.9	<2.	<2.	<2.	<2.		<2.	<2.	<2.	<2.	<2.
1,1-DICHLOROETHANE	ug/l	T	880		<5	<.9	<.3	<2.	<2.	<2.	<2.		<2.	<2.	<2.	<2.	<2.
1,1-DICHLOROETHENE	ug/l	T	7		<5											<1.	
1,2-DICHLOROBENZENE	ug/l	T	600		<10												
1,2-DICHLOROETHANE	ug/l	T	5		<5												
1,2-DICHLOROETHENE	ug/l	T	70		<5				<2.								
1,2-DICHLOROPROPANE	ug/l	T	5		<5												
1,3-DICHLOROBENZENE	ug/l	T	6.6		<10												
1,4-DICHLOROBENZENE	ug/l	T	75		<10												
2-CHLOROETHYL VINYL ETHER	ug/l	T			<10												
ACROLEIN	ug/l	T	120		<100												
ACRYLONITRILE	ug/l	T	2.6		^<100												
BENZENE	ug/l	T	5		<5	<.8	<.3	<1.	<1.	<1.	<1.		<1.	<1.	<1.	<1.	<1.
BROMODICHLOROMETHANE	ug/l	T	80		<5												
BROMOFORM	ug/l	T	80		<5												
CARBON TETRACHLORIDE	ug/l	T	5		<5	<1	<.4	<1.	<1.	<1.	<1.		<1.	<1.	<1.	<1.	<1.
CHLOROBENZENE	ug/l	T	100		<5												
CHLORODIBROMOMETHANE	ug/l	T	80		<5												
CHLOROFORM	ug/l	T	80		<5	1.6 J	<.4	<1.	<1.	<1.	<1.		<1.	<1.	<1.	<1.	<1.
CIS-1,2 DICHLOROETHENE	ug/l	T	70			<.7	<.3	<2.		<2.	<2.		<2.	<2.	<2.	<2.	<2.
CIS-1,3-DICHLOROPROPENE	ug/l	T	35		<5												
DICHLORODIFLUOROMETHANE	ug/l	T	1700														
ETHYL CHLORIDE	ug/l	T	430		<10												
ETHYLBENZENE	ug/l	T	74		<5												
METHYL BROMIDE	ug/l	T	10		<10												
METHYL CHLORIDE	ug/l	T	260		<10											<3.	
METHYLENE CHLORIDE	ug/l	T	5		<5	<.9	<.4	<2.	<2.	<2.	<2.		<2.	<2.	<2.	<2.	<2.
TETRACHLOROETHYLENE	ug/l	T	5		<5	^10	<.5	<1.	<1.	<1.	<1.		<1.	2. J	<1.	<1.	<1.
TOLUENE	ug/l	T	790		<5	<3.8	<.4	<2.	<2.	<2.	<2.		<2.	<2.	<2.	<2.	<2.
TRANS-1,2-DICHLOROETHENE	ug/l	T	100			<1.1	<.3	<2.		<2.	<2.		<2.	<2.	<2.	<2.	<2.
TRANS-1,3-DICHLOROPROPENE	ug/l	T	35		<5												
TRICHLOROETHENE	ug/l	T	5		<5	<1	<.4	<1.	<1.	<1.	<1.		<1.	<1.	<1.	<1.	<1.
TRICHLOROFLUOROMETHANE	ug/l	T	2600		<5	<2.2	<.6	<2.	<2.	<2.	<2.		<2.	<2.	<2.	<2.	<2.
VINYL CHLORIDE	ug/l	T	2		^<10											<2.	
XYLENES	ug/l	T	280		<5												
1,2,4-TRICHLOROBENZENE	ug/l	T	70		<10												
1,2-DIPHENYLHYDRAZINE	ug/l	T			<10												
2,4,6-TRICHLOROPHENOL	ug/l	T	120		<10												
2,4-DICHLOROPHENOL	ug/l	T	73		<10												
2,4-DIMETHYLPHENOL	ug/l	T	370		<10												
2,4-DINITROPHENOL	ug/l	T			<25												
2,4-DINITROTOLUENE	ug/l	T	7.7		<10												
2,6-DINITROTOLUENE	ug/l	T			<10												
2-CHLOROPHENOL	ug/l	T	45		<10												

Criteria = MDEQ 1 GW Res and Comm I DW Criteria and RBSLs 12/2004
^and shaded cells = Concentration above criteria (NDs [^^] assumed to be 50% reporting limit)
<and ND = Non detect at stated reporting limit

Appendix E
Table 3
Pierson Creek Landfill Groundwater Results vs. Industrial Drinking Water

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Sample ID Date Top (ft) Bottom (ft) Duplicate #	PCL-3 4/25/94 1	PCL-3 6/26/96 1	PCL-3 9/9/96 1	PCL-3 1/15/97 1	PCL-3 3/25/97 1	PCL-3 6/10/97 1	PCL-3 9/9/97 1	PCL-3 12/3/97 1	PCL-3 12/9/97 1	PCL-3 3/24/98 1	PCL-3 6/3/98 1	PCL-3 9/30/98 1	PCL-3 12/9/98 1
2-NITROPHENOL	ug/l	T	20		<10												
3,3'-DICHLOROBENZIDINE	ug/l	T	1.1		^<20												
4,6-DINITRO-2-METHYLPHENOL	ug/l	T	20		<25												
4-BROMOPHENYL PHENYL ETHER	ug/l	T			<10												
4-CHLORO-3-METHYLPHENOL	ug/l	T	150		<10												
4-CHLOROPHENYL PHENYL ETHER	ug/l	T			<10												
4-NITROPHENOL	ug/l	T			<25												
ACENAPHTHENE	ug/l	T	1300		<10												
ACENAPHTHYLENE	ug/l	T	52		<10												
ANTHRACENE	ug/l	T	43		<10												
BENZIDINE	ug/l	T	0.3		^<50												
BENZO(A)ANTHRACENE	ug/l	T	2.1		^<10												
BENZO(B)FLUORANTHENE	ug/l	T	1.5		^<10												
BENZO(G,H,I)PERYLENE	ug/l	T	1		^<10												
BENZO(K)FLUORANTHENE	ug/l	T	1		^<10												
BENZO[A]PYRENE	ug/l	T	5		<10												
BIS(2-CHLORO-1-METHYLETHYL) ETHER	ug/l	T			<10												
BIS(2-CHLOROETHOXY)METHANE	ug/l	T			<10												
BIS(2-CHLOROETHYL)ETHER	ug/l	T	2		^<10												
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	T	6		<10	<1.2	1.3 J	<2.	<2.	<2.	2. J		<1.	<1.	<2.	<2.	<2.
BUTYL BENZYL PHTHALATE	ug/l	T	1200		<10												
CHRYSENE	ug/l	T	1.6		^<10												
DI-N-BUTYL PHTHALATE	ug/l	T	880		<10												
DIBENZ(A,H)ANTHRACENE	ug/l	T	2		^<10												
DIETHYL PHTHALATE	ug/l	T	5500		<10												
DIMETHYL PHTHALATE	ug/l	T	73000		<10												
FLUORANTHENE	ug/l	T	210		<10												
FLUORENE	ug/l	T	880		<10												
HEXACHLOROBENZENE	ug/l	T	1		^<10												
HEXACHLOROBUTADIENE	ug/l	T	15		<10												
HEXACHLOROCYCLOPENTADIENE	ug/l	T	50		<10												
HEXACHLOROETHANE	ug/l	T	7.3		<10												
INDENO (1,2,3-CD) PYRENE	ug/l	T	2		^<10												
ISOPHORONE	ug/l	T	770		<10												
N-DIOCTYL PHTHALATE	ug/l	T	130		<10												
N-NITROSODI-N-PROPYLAMINE	ug/l	T	5		<10												
N-NITROSODIMETHYLAMINE	ug/l	T			<10												
N-NITROSODIPHENYLAMINE	ug/l	T	270		<10												
NAPHTHALENE	ug/l	T	520		<10												
NITROBENZENE	ug/l	T	3.4		^<10												
PCN-2	ug/l	T	1800		<10												
PENTACHLOROPHENOL	ug/l	T	1		^<25												
PHENANTHRENE	ug/l	T	52		<10												
PHENOL	ug/l	T	4400		<10												
PYRENE	ug/l	T	140		<10												
ANTIMONY	ug/l	D	6							^<15	^<19	^<19		^<19	^<19	^<25	^<25

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Appendix E
Table 3
Pierson Creek Landfill Groundwater Results vs. Industrial Drinking Water

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Sample ID Date Top (ft) Bottom (ft) Duplicate #	PCL-3 4/25/94 1	PCL-3 6/26/96 1	PCL-3 9/9/96 1	PCL-3 1/15/97 1	PCL-3 3/25/97 1	PCL-3 6/10/97 1	PCL-3 9/9/97 1	PCL-3 12/3/97 1	PCL-3 12/9/97 1	PCL-3 3/24/98 1	PCL-3 6/3/98 1	PCL-3 9/30/98 1	PCL-3 12/9/98 1
ANTIMONY	ug/l	T	6			<5.00	<5.00	<3.1	^<15								
ARSENIC	ug/l	D	10							<2.7	<5.0	<5.0		<5.0	<5.0	<7.0	<7.0
ARSENIC	ug/l	T	10			<2.50	<5.00	<2.7	4.1 J								
CADMIUM	ug/l	D	5							<.52	<.42	<.42		<.42	<.42	<.63	<.63
CADMIUM	ug/l	T	5			<2.0	<.500	<.52	1.24 J								
COPPER	ug/l	D	1000							<3.8	<4.5	<4.5		<4.5	<4.5	6.1 J	<5.8
COPPER	ug/l	T	1000			<4.0	7.63 J	<3.8	18.0 J								
LEAD	ug/l	D	4							<2.0	<3.4	<3.4		<3.4	<3.4	<6.5	<6.5
LEAD	ug/l	T	4			2.40 J	<3.00	<2.0	2.0 J								
NICKEL	ug/l	D	100							<5.4	<7.8	<7.8		<7.8	<7.8	<5.4	<5.4
NICKEL	ug/l	T	100			<10.0	<10.0	<5.4	<5.4								
SILVER	ug/l	D	34							.73 J	<.81	<.81		<.81	<.81	<1.4	<1.4
SILVER	ug/l	T	34			<5.1	<.500	<.51	<.51								
VANADIUM	ug/l	D	4.5							<7.0	<5.6	<5.6		<5.6	<5.6	<2.8	<2.8
VANADIUM	ug/l	T	4.5			<4.2	^16	<7.0	^12.5 J								
ZINC	ug/l	D	2400							15 J	<9.0	<9.0		10.6 J	<9.0	6.1 J	3.9 J
ZINC	ug/l	T	2400			<9.1	<9.1	<12	17 J								
CHEMICAL OXYGEN DEMAND (COD)	ug/l	T				46000 J	50000	45000	79800	19300	6300 J		28400	53700	15300	8100	7900 J
CYANIDE	ug/l	T	200			<4	<4	<4.0	<4.0	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0
TOTAL DISSOLVED SOLIDS	ug/l	T	500000			190000	180000	176000	177000	180000	181000		195000	181000	173000	166000	167000
COLOR QUALITATIVE (FIELD)	NONE	T															
COLOR QUALITATIVE (FIELD)	NS	T															
DEPTH TO WATER FROM TOC	Feet	T															
DISSOLVED OXYGEN (FIELD)	ug/l	T															
ODOR (FIELD)	NONE	T															
ODOR (FIELD)	NS	T															
ODOR (FIELD)	TON	T				28	100	28.7	21.8	12.5	4.4		4	57.4	44.5	3.2	
PH (FIELD)	STD UNITS	T															
REDOX (FIELD)	MV	T															
SPECIFIC CONDUCTANCE (FIELD)	UMHOS/CM	T															
TEMPERATURE (FIELD)	DEGREES C	T															
TURBIDITY QUANTITATIVE (FIELD)	NTU	T															

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Appendix E
Table 3
Pierson Creek Landfill Groundwater Results vs. Industrial Drinking Water

Analyte	PCL-3 3/30/99 1	PCL-3 7/6/99 1	PCL-3 9/29/99 1	PCL-3 12/7/99 1	PCL-3 3/27/00 1	PCL-3 7/19/00 1	PCL-3 9/18/00 1	PCL-3 12/13/00 1	PCL-3 3/13/01 1	PCL-3 6/27/01 1	PCL-3 9/25/01 1	PCL-3 12/12/01 1	PCL-3 3/26/02 1	PCL-3 6/17/02 1	PCL-3 9/24/02 1	PCL-3 12/2/02 1	PCL-3 3/24/03 1
OVABZONE															0		
OVABZONE																	0
OVACASING															0		
OVACASING																	0
1,1,1-TRICHLOROETHANE	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1. U	<1. U	<1. U	<1. U	<0.8 U	<0.8 U	<0.8 U	<0.8 U
1,1,2,2-TETRACHLOROETHANE																	
1,1,2-TRICHLOROETHANE																	
1,1,2-TRICHLOROTRIFLUOROETHANE	<2.	<2.	<2.	<2.	<2.	<2.	<2.	<2.	<2.	<2. U	<2. U	<2. U	<2. U	<2. U	<2. U	<2. U	<2. U
1,1-DICHLOROETHANE	<2.	<1.	<2.	<2.	<2.	<1.	<1.	<1.	<1.	<1. U	<1. U	<1. U	<1. U	<1. U	<1. U	<1. U	<1. U
1,1-DICHLOROETHENE																	
1,2-DICHLOROBENZENE																	
1,2-DICHLOROETHANE																	
1,2-DICHLOROETHENE																	
1,2-DICHLOROPROPANE																	
1,3-DICHLOROBENZENE																	
1,4-DICHLOROBENZENE																	
2-CHLOROETHYL VINYL ETHER																	
ACROLEIN																	
ACRYLONITRILE																	
BENZENE	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1. U	<1. U	<1. U	<1. U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE																	
BROMOFORM																	
CARBON TETRACHLORIDE	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1. U	<1. U	<1. U	<1. U	<1. U	<1. U	<1. U	<1. U
CHLOROBENZENE																	
CHLORODIBROMOMETHANE																	
CHLOROFORM	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1. U	<1. U	<1. U	<1. U	<0.8 U	<0.8 U	<0.8 U	<0.8 U
CIS-1,2 DICHLOROETHENE	<2.	<2.	<2.	<2.	<2.	<1.	<1.	<1.	<1.	<1. U	<1. U	<1. U	<1. U	<0.8 U	<0.8 U	<0.8 U	<0.8 U
CIS-1,3-DICHLOROPROPENE																	
DICHLORODIFLUOROMETHANE											<2. U	<2. U	<2. U	<2. U	<2. U	<2. U	<2. U
ETHYL CHLORIDE																	
ETHYLBENZENE																	
METHYL BROMIDE																	
METHYL CHLORIDE																	
METHYLENE CHLORIDE	<2.	<2.	<2.	<2.	<2.	<2.	<2.	<2.	<2.	<2. U	<2. U	<2. U	<2. U	<2. U	<2. U	<2. U	<2. U
TETRACHLOROETHYLENE	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1. U	<1. U	<1. U	<1. U	1. J	<0.8 U	<0.8 U	<0.8 U
TOLUENE	<2.	<2.	<2.	<2.	<2.	<1.	<1.	<1.	<1.	<1. U	<1. U	<1. U	<1. U	<0.7 U	<0.7 U	<0.7 U	<0.7 U
TRANS-1,2-DICHLOROETHENE	<2.	<2.	<2.	<2.	<2.	<1.	<1.	<1.	<1.	<1. U	<1. U	<1. U	<1. U	<0.8 U	<0.8 U	<0.8 U	<0.8 U
TRANS-1,3-DICHLOROPROPENE																	
TRICHLOROETHENE	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1. U	<1. U	<1. U	<1. U	<1. U	<1. U	<1. U	<1. U
TRICHLOROFLUOROMETHANE	<2.	<2.	<2.	<2.	<2.	<2.	<2.	<2.	<2.	<2. U	<2. U	<2. U	<2. U	<2. U	<2. U	<2. U	<2. U
VINYL CHLORIDE																	
XYLENES																	
1,2,4-TRICHLOROBENZENE																	
1,2-DIPHENYLHYDRAZINE																	
2,4,6-TRICHLOROPHENOL																	
2,4-DICHLOROPHENOL																	
2,4-DIMETHYLPHENOL																	
2,4-DINITROPHENOL																	
2,4-DINITROTOLUENE																	
2,6-DINITROTOLUENE																	
2-CHLOROPHENOL																	

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Table 3
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Analyte	PCL-3 3/30/99 1	PCL-3 7/6/99 1	PCL-3 9/29/99 1	PCL-3 12/7/99 1	PCL-3 3/27/00 1	PCL-3 7/19/00 1	PCL-3 9/18/00 1	PCL-3 12/13/00 1	PCL-3 3/13/01 1	PCL-3 6/27/01 1	PCL-3 9/25/01 1	PCL-3 12/12/01 1	PCL-3 3/26/02 1	PCL-3 6/17/02 1	PCL-3 9/24/02 1	PCL-3 12/2/02 1	PCL-3 3/24/03 1
2-NITROPHENOL																	
3,3'-DICHLOROBENZIDINE																	
4,6-DINITRO-2-METHYLPHENOL																	
4-BROMOPHENYL PHENYL ETHER																	
4-CHLORO-3-METHYLPHENOL																	
4-CHLOROPHENYL PHENYL ETHER																	
4-NITROPHENOL																	
ACENAPHTHENE																	
ACENAPHTHYLENE																	
ANTHRACENE																	
BENZIDINE																	
BENZO(A)ANTHRACENE																	
BENZO(B)FLUORANTHENE																	
BENZO(G,H,I)PERYLENE																	
BENZO(K)FLUORANTHENE																	
BENZO[A]PYRENE																	
BIS(2-CHLORO-1-METHYLETHYL) ETHER																	
BIS(2-CHLOROETHOXY)METHANE																	
BIS(2-CHLOROETHYL)ETHER																	
BIS(2-ETHYLHEXYL)PHTHALATE	<2.	<2.	<2.	<2.	<2.	<2.	<2.										
BUTYL BENZYL PHTHALATE																	
CHRYSENE																	
DI-N-BUTYL PHTHALATE																	
DIBENZ(A,H)ANTHRACENE																	
DIETHYL PHTHALATE																	
DIMETHYL PHTHALATE																	
FLUORANTHENE																	
FLUORENE																	
HEXACHLOROBENZENE																	
HEXACHLOROBUTADIENE																	
HEXACHLOROCYCLOPENTADIENE																	
HEXACHLOROETHANE																	
INDENO (1,2,3-CD) PYRENE																	
ISOPHORONE																	
N-DIOCTYL PHTHALATE																	
N-NITROSODI-N-PROPYLAMINE																	
N-NITROSODIMETHYLAMINE																	
N-NITROSODIPHENYLAMINE																	
NAPHTHALENE																	
NITROBENZENE																	
PCN-2																	
PENTACHLOROPHENOL																	
PHENANTHRENE																	
PHENOL																	
PYRENE																	
ANTIMONY	^<25	^<25	^<25	^<29	^<29												

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Table 3
Pierson Creek Landfill Groundwater Results vs. Industrial Drinking Water

Analyte	PCL-3 3/30/99 1	PCL-3 7/6/99 1	PCL-3 9/29/99 1	PCL-3 12/7/99 1	PCL-3 3/27/00 1	PCL-3 7/19/00 1	PCL-3 9/18/00 1	PCL-3 12/13/00 1	PCL-3 3/13/01 1	PCL-3 6/27/01 1	PCL-3 9/25/01 1	PCL-3 12/12/01 1	PCL-3 3/26/02 1	PCL-3 6/17/02 1	PCL-3 9/24/02 1	PCL-3 12/2/02 1	PCL-3 3/24/03 1
ANTIMONY																	
ARSENIC	<7.0	<7.0	<7.0	<5.0	<5.0												
ARSENIC																	
CADMIUM	<.63	<.63	<.63	<.81	<.81												
CADMIUM																	
COPPER	<5.8	<5.8	<5.8	<3.5	<3.5												
COPPER																	
LEAD	<6.5	<6.5	<6.5	<7.9	<7.9												
LEAD																	
NICKEL	<5.4	<5.4	<5.4	<6.6	<6.6												
NICKEL																	
SILVER	<1.4	<1.4	<1.4	<1.7	<1.7												
SILVER																	
VANADIUM	<2.8	<2.8	<2.8	<3.4	<3.4												
VANADIUM																	
ZINC	6.3 J	7.9 U	4.8 J	10.1 U	<4.7												
ZINC																	
CHEMICAL OXYGEN DEMAND (COD)	4000 J	<1600	<1600	2300 J	2700 J	<2200											
CYANIDE	<4.0	<4.0	<4.0	<4.0	<4.0												
TOTAL DISSOLVED SOLIDS	180000	158000	169000	163000	172000	170000											
COLOR QUALITATIVE (FIELD)													CLEAR		CLEAR		
COLOR QUALITATIVE (FIELD)																	CLEAR
DEPTH TO WATER FROM TOC													9.98		10.24		9.94
DISSOLVED OXYGEN (FIELD)													9380		10260		9110
ODOR (FIELD)													NO		NO		
ODOR (FIELD)																	NONE
ODOR (FIELD)																	
PH (FIELD)													8.1		7.02		7.79
REDOX (FIELD)													163		373		162
SPECIFIC CONDUCTANCE (FIELD)													1466		294		226
TEMPERATURE (FIELD)													8.8		11.43		11.01
TURBIDITY QUANTITATIVE (FIELD)													1.42		8.5		42

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Appendix E
Table 3
Pierson Creek Landfill Groundwater Results vs. Industrial Drinking Water

	MW-PCL-3	PCL-3	MW-PCL-3	PCL-4	PCL-5D	PCL-5S	PCL-6	PCL-6	PCL-6	PCL-6	PCL-6	PCL-6	PCL-6	PCL-6	PCL-6	PCL-6	PCL-6
	6/16/03	9/22/03	12/8/03	4/25/94	4/26/94	4/26/94	4/25/94	6/26/96	9/9/96	1/15/97	3/25/97	6/10/97	9/9/97	12/3/97	12/9/97	3/24/98	6/3/98
	0	0	0														
	0	0	0														
Analyte	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
OVABZONE																	
OVABZONE																	
OVACASING																	
OVACASING																	
1,1,1-TRICHLOROETHANE	<0.8 U	<0.8 U	<0.8 U	<5	<5	<5	<5	<.8	<.5	<1.	<1.	<1.	<1.		<1.	<1.	<1.
1,1,2,2-TETRACHLOROETHANE				<5	<5	<5	<5										
1,1,2-TRICHLOROETHANE				<5	<5	<5	<5										
1,1,2-TRICHLOROTRIFLUOROETHANE	<2 U	<2 U	<2 U					<1.8	<.9	<2.	<2.	<2.	<2.		<2.	<2.	<2.
1,1-DICHLOROETHANE	<1 U	<1 U	<1 U	<5	<5	<5	<5	<.9	<.3	<2.	<2.	<2.	<2.		<2.	<2.	<2.
1,1-DICHLOROETHENE				<5	<5	<5	<5										
1,2-DICHLOROBENZENE				<10	<10	<10	<10										
1,2-DICHLOROETHANE				<5	<5	<5	<5										
1,2-DICHLOROETHENE				<5	<5	<5	<5				<2.						
1,2-DICHLOROPROPANE				<5	<5	<5	<5										
1,3-DICHLOROBENZENE				<10	<10	<10	<10										
1,4-DICHLOROBENZENE				<10	<10	<10	<10										
2-CHLOROETHYL VINYL ETHER				<10	<10	<10	<10										
ACROLEIN				<100	<100	<100	<100										
ACRYLONITRILE				^<100	^<100	^<100	^<100										
BENZENE	<0.5 U	<0.5 U	<0.5 U	<5	<5	<5	<5	<.8	<.3	<1.	<1.	<1.	<1.		<1.	<1.	<1.
BROMODICHLOROMETHANE				<5	<5	<5	<5										
BROMOFORM				<5	<5	<5	<5										
CARBON TETRACHLORIDE	<1 U	<1 U	<1 U	<5	<5	<5	<5	<1	<.4	<1.	<1.	<1.	<1.		<1.	<1.	<1.
CHLOROBENZENE				<5	<5	<5	<5										
CHLORODIBROMOMETHANE				<5	<5	<5	<5										
CHLOROFORM	<0.8 U	<0.8 U	<0.8 U	<5	<5	<5	<5	<.8	<.4	<1.	<1.	<1.	<1.		<1.	<1.	<1.
CIS-1,2 DICHLOROETHENE	<0.8 U	<0.8 U	<0.8 U					<.7	<.3	<2.		<2.	<2.		<2.	<2.	<2.
CIS-1,3-DICHLOROPROPENE				<5	<5	<5	<5										
DICHLORODIFLUOROMETHANE	<2 U	<2 U	<2 U														
ETHYL CHLORIDE				<10	<10	<10	<10										
ETHYLBENZENE				<5	<5	<5	<5										
METHYL BROMIDE				<10	<10	<10	<10										
METHYL CHLORIDE				<10	<10	<10	<10										
METHYLENE CHLORIDE	<2 U	<2 U	<2 U	<5	<5	<5	<5	<.9	<.4	<2.	<2.	<2.	3. J		<2.	<2.	<2.
TETRACHLOROETHYLENE	<0.8 U	<0.8 U	<0.8 U	<5	<5	<5	<5	3.1 J	<.5	<1.	<1.	5. J	2. J		<1.	<1.	<1.
TOLUENE	<0.7 U	<0.7 U	<0.7 U	<5	<5	<5	<5	<3.8	<.4	<2.	<2.	<2.	<2.		<2.	<2.	<2.
TRANS-1,2-DICHLOROETHENE	<0.8 U	<0.8 U	<0.8 U					<1.1	<.3	<2.		<2.	<2.		<2.	<2.	<2.
TRANS-1,3-DICHLOROPROPENE				<5	<5	<5	<5										
TRICHLOROETHENE	<1 U	<1 U	<1 U	<5	<5	<5	<5	<1	<.4	<1.	<1.	<1.	<1.		<1.	<1.	<1.
TRICHLOROFLUOROMETHANE	<2 U	<2 U	<2 U	<5	<5	<5	<5	<2.2	<.6	<2.	<2.	<2.	<2.		<2.	<2.	<2.
VINYL CHLORIDE				^<10	^<10	^<10	^<10										
XYLENES				<5	<5	<5	<5										
1,2,4-TRICHLOROBENZENE				<10	<10	<10	<10										
1,2-DIPHENYLHYDRAZINE				<10	<10	<10	<10										
2,4,6-TRICHLOROPHENOL				<10	<10	<10	<10										
2,4-DICHLOROPHENOL				<10	<10	<10	<10										
2,4-DIMETHYLPHENOL				<10	<10	<10	<10										
2,4-DINITROPHENOL				<25	<25	<25	<25										
2,4-DINITROTOLUENE				<10	<10	<10	<10										
2,6-DINITROTOLUENE				<10	<10	<10	<10										
2-CHLOROPHENOL				<10	<10	<10	<10										

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Table 3
Pierson Creek Landfill Groundwater Results vs. Industrial Drinking Water

Analyte	MW-PCL-3 6/16/03 0 0 1	PCL-3 9/22/03 0 0 1	MW-PCL-3 12/8/03 0 0 1	PCL-4 4/25/94 1	PCL-5D 4/26/94 1	PCL-5S 4/26/94 1	PCL-6 4/25/94 1	PCL-6 6/26/96 1	PCL-6 9/9/96 1	PCL-6 1/15/97 1	PCL-6 3/25/97 1	PCL-6 6/10/97 1	PCL-6 9/9/97 1	PCL-6 12/3/97 1	PCL-6 12/9/97 1	PCL-6 3/24/98 1	PCL-6 6/3/98 1
2-NITROPHENOL				<10	<10	<10	<10										
3,3'-DICHLOROBENZIDINE				^<20	^<20	^<20	^<20										
4,6-DINITRO-2-METHYLPHENOL				<25	<25	<25	<25										
4-BROMOPHENYL PHENYL ETHER				<10	<10	<10	<10										
4-CHLORO-3-METHYLPHENOL				<10	<10	<10	<10										
4-CHLOROPHENYL PHENYL ETHER				<10	<10	<10	<10										
4-NITROPHENOL				<25	<25	<25	<25										
ACENAPHTHENE				<10	<10	<10	<10										
ACENAPHTHYLENE				<10	<10	<10	<10										
ANTHRACENE				<10	<10	<10	<10										
BENZIDINE				^<50	^<50	^<50	^<50										
BENZO(A)ANTHRACENE				^<10	^<10	^<10	^<10										
BENZO(B)FLUORANTHENE				^<10	^<10	^<10	^<10										
BENZO(G,H,I)PERYLENE				^<10	^<10	^<10	^<10										
BENZO(K)FLUORANTHENE				^<10	^<10	^<10	^<10										
BENZO[A]PYRENE				<10	<10	<10	<10										
BIS(2-CHLORO-1-METHYLETHYL) ETHER				<10	<10	<10	<10										
BIS(2-CHLOROETHOXY)METHANE				<10	<10	<10	<10										
BIS(2-CHLOROETHYL)ETHER				^<10	^<10	^<10	^<10										
BIS(2-ETHYLHEXYL)PHTHALATE				<10	<10	<10	^18.	1.4 J	2.6 J	3. J	^7. J	3. J	5. J		<1.	3. J	5. J
BUTYL BENZYL PHTHALATE				<10	<10	<10	<10										
CHRYSENE				^<10	^<10	^<10	^<10										
DI-N-BUTYL PHTHALATE				<10	<10	<10	<10										
DIBENZ(A,H)ANTHRACENE				^<10	^<10	^<10	^<10										
DIETHYL PHTHALATE				<10	<10	<10	<10										
DIMETHYL PHTHALATE				<10	<10	<10	<10										
FLUORANTHENE				<10	<10	<10	<10										
FLUORENE				<10	<10	<10	<10										
HEXACHLOROBENZENE				^<10	^<10	^<10	^<10										
HEXACHLOROBUTADIENE				<10	<10	<10	<10										
HEXACHLOROCYCLOPENTADIENE				<10	<10	<10	<10										
HEXACHLOROETHANE				<10	<10	<10	<10										
INDENO (1,2,3-CD) PYRENE				^<10	^<10	^<10	^<10										
ISOPHORONE				<10	<10	<10	<10										
N-DIOCTYL PHTHALATE				<10	13	<10	<10										
N-NITROSODI-N-PROPYLAMINE				<10	<10	<10	<10										
N-NITROSODIMETHYLAMINE				<10	<10	<10	<10										
N-NITROSODIPHENYLAMINE				<10	<10	<10	<10										
NAPHTHALENE				<10	<10	<10	<10										
NITROBENZENE				^<10	^<10	^<10	^<10										
PCN-2				<10	<10	<10	<10										
PENTACHLOROPHENOL				^<25	^<25	^<25	^<25										
PHENANTHRENE				<10	<10	<10	<10										
PHENOL				<10	<10	<10	<10										
PYRENE				<10	<10	<10	<10										
ANTIMONY												^<15	^<19	^<19		^<19	^<19

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Appendix E
Table 3
Pierson Creek Landfill Groundwater Results vs. Industrial Drinking Water

	MW-PCL-3	PCL-3	MW-PCL-3	PCL-4	PCL-5D	PCL-5S	PCL-6	PCL-6	PCL-6	PCL-6	PCL-6	PCL-6	PCL-6	PCL-6	PCL-6	PCL-6	PCL-6
	6/16/03	9/22/03	12/8/03	4/25/94	4/26/94	4/26/94	4/25/94	6/26/96	9/9/96	1/15/97	3/25/97	6/10/97	9/9/97	12/3/97	12/9/97	3/24/98	6/3/98
	0	0	0														
	0	0	0														
Analyte	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ANTIMONY								<5.00	<5.00	<3.1	^<15						
ARSENIC												<2.7	<5.0	<5.0		<5.0	<5.0
ARSENIC								<2.50	<5.00	<2.7	<2.7						
CADMIUM												<.52	<.42	.49 J		<.42	<.42
CADMIUM								<2.0	0.651	<.52	<.52						
COPPER												<3.8	<4.5	<4.5		<4.5	<4.5
COPPER								<4.0	<4.0	<3.8	7.8 J						
LEAD												<2.0	^4.3 J	<3.4		<3.4	<3.4
LEAD								^7.50	^8.60	^15.2	<2.0						
NICKEL												<5.4	<7.8	<7.8		<7.8	<7.8
NICKEL								<10.0	<10.0	<5.4	<5.4						
SILVER												.77 J	<.81	<.81		<.81	<.81
SILVER								<5.1	<.500	<.51	<.51						
VANADIUM												<7.0	<5.6	<5.6		<5.6	<5.6
VANADIUM								<4.2	<4.2	<7.0	<7.0						
ZINC												29	30	9.0 J		11.5 J	14.4 J
ZINC								49.7 J	61.3	50	24 J						
CHEMICAL OXYGEN DEMAND (COD)								<7000	22000	16300	12000	5500 J	18100		11900	11400	8800
CYANIDE								<4	<4	<4.0	<4.0	<4.0	<4.0		<4.0	<4.0	<4.0
TOTAL DISSOLVED SOLIDS								190000	200000	173000	171000	201000	195000		206000	205000	200000
COLOR QUALITATIVE (FIELD)																	
COLOR QUALITATIVE (FIELD)																	
DEPTH TO WATER FROM TOC																	
DISSOLVED OXYGEN (FIELD)																	
ODOR (FIELD)																	
ODOR (FIELD)																	
ODOR (FIELD)								0	1	0	1.2	1.4	1.4		1.4	1.7	1.4
PH (FIELD)																	
REDOX (FIELD)																	
SPECIFIC CONDUCTANCE (FIELD)																	
TEMPERATURE (FIELD)																	
TURBIDITY QUANTITATIVE (FIELD)																	

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Appendix E
Table 3
Pierson Creek Landfill Groundwater Results vs. Industrial Drinking Water

Analyte	PCL-6 9/30/98	PCL-6 12/9/98	PCL-6 3/30/99	PCL-6 7/6/99	PCL-6 9/29/99	PCL-6 12/8/99	PCL-6 3/27/00	PCL-6 7/19/00	PCL-6 9/18/00	PCL-6 12/13/00	PCL-6 3/13/01	PCL-6 6/26/01	PCL-6 9/26/01	PCL-6 12/12/01	PCL-6 3/26/02	PCL-6 6/17/02	PCL-6 9/24/02
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
OVABZONE																	0
OVABZONE																	
OVACASING																	0
OVACASING																	
1,1,1-TRICHLOROETHANE	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	1. J	<1. U	<1. U	<1. U	<0.8 U	<0.8 U
1,1,2,2-TETRACHLOROETHANE																	
1,1,2-TRICHLOROETHANE																	
1,1,2-TRICHLOROTRIFLUOROETHANE	<2.	<2.	<2.	<2.	<2.	<2.	<2.	<2.	2. J	<2.	46	<2. U	<2. U	<2. U	<2. U	<2. U	<2. U
1,1-DICHLOROETHANE	<2.	<2.	<2.	<1.	<2.	<2.	<2.	<1.	<1.	<1.	<1.	<1. U	<1. U	<1. U	<1. U	<1. U	<1. U
1,1-DICHLOROETHENE	<1.																
1,2-DICHLOROBENZENE																	
1,2-DICHLOROETHANE																	
1,2-DICHLOROETHENE																	
1,2-DICHLOROPROPANE																	
1,3-DICHLOROBENZENE																	
1,4-DICHLOROBENZENE																	
2-CHLOROETHYL VINYL ETHER																	
ACROLEIN																	
ACRYLONITRILE																	
BENZENE	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1. U	<1. U	<1. U	<1. U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE																	
BROMOFORM																	
CARBON TETRACHLORIDE	<1.	<1.	<1.	<1.	<1.	^17. U	<1.	<1.	<1.	<1.	3. J	<1. U	<1. U	<1. U	<1. U	<1. U	<1. U
CHLOROBENZENE																	
CHLORODIBROMOMETHANE																	
CHLOROFORM	<1.	<1.	<1.	<1.	<1.	3. U	<1.	<1.	<1.	<1.	<1.	<1. U	<1. U	<1. U	<1. U	<0.8 U	<0.8 U
CIS-1,2 DICHLOROETHENE	<2.	<2.	<2.	<2.	<2.	<2.	<2.	<1.	<1.	<1.	<1.	<1. U	<1. U	<1. U	<1. U	<0.8 U	<0.8 U
CIS-1,3-DICHLOROPROPENE																	
DICHLORODIFLUOROMETHANE													<2. U	<2. U	<2. U	<2. U	<2. U
ETHYL CHLORIDE																	
ETHYLBENZENE																	
METHYL BROMIDE																	
METHYL CHLORIDE	<3.																
METHYLENE CHLORIDE	<2.	<2.	<2.	<2.	<2.	<2.	<2.	<2.	<2.	<2.	<2.	<2. U	<2. U	<2. U	<2. U	<2. U	<2. U
TETRACHLOROETHYLENE	2. J	3. J	<1.	3. U	2. J	^7. U	<1.	<1.	3. J	5	^6.	<1. U	5. J	3. J	<1. U	<0.8 U	<0.8 U
TOLUENE	<2.	<2.	<2.	<2.	<2.	<2.	<2.	<1.	<1.	<1.	<1.	<1. U	<1. U	<1. U	<1. U	<0.7 U	3. J
TRANS-1,2-DICHLOROETHENE	<2.	<2.	<2.	<2.	<2.	<2.	<2.	<1.	<1.	<1.	<1.	<1. U	<1. U	<1. U	<1. U	<0.8 U	<0.8 U
TRANS-1,3-DICHLOROPROPENE																	
TRICHLOROETHENE	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1. U	<1. U	<1. U	<1. U	<1. U	<1. U
TRICHLOROFLUOROMETHANE	<2.	<2.	<2.	<2.	<2.	<2.	<2.	<2.	<2.	<2.	<2.	<2. U	<2. U	<2. U	<2. U	<2. U	<2. U
VINYL CHLORIDE	<2.																
XYLENES																	
1,2,4-TRICHLOROBENZENE																	
1,2-DIPHENYLHYDRAZINE																	
2,4,6-TRICHLOROPHENOL																	
2,4-DICHLOROPHENOL																	
2,4-DIMETHYLPHENOL																	
2,4-DINITROPHENOL																	
2,4-DINITROTOLUENE																	
2,6-DINITROTOLUENE																	
2-CHLOROPHENOL																	

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Appendix E
Table 3
Pierson Creek Landfill Groundwater Results vs. Industrial Drinking Water

Analyte	PCL-6 9/30/98 1	PCL-6 12/9/98 1	PCL-6 3/30/99 1	PCL-6 7/6/99 1	PCL-6 9/29/99 1	PCL-6 12/8/99 1	PCL-6 3/27/00 1	PCL-6 7/19/00 1	PCL-6 9/18/00 1	PCL-6 12/13/00 1	PCL-6 3/13/01 1	PCL-6 6/26/01 1	PCL-6 9/26/01 1	PCL-6 12/12/01 1	PCL-6 3/26/02 1	PCL-6 6/17/02 1	PCL-6 9/24/02 1
2-NITROPHENOL																	
3,3'-DICHLOROBENZIDINE																	
4,6-DINITRO-2-METHYLPHENOL																	
4-BROMOPHENYL PHENYL ETHER																	
4-CHLORO-3-METHYLPHENOL																	
4-CHLOROPHENYL PHENYL ETHER																	
4-NITROPHENOL																	
ACENAPHTHENE																	
ACENAPHTHYLENE																	
ANTHRACENE																	
BENZIDINE																	
BENZO(A)ANTHRACENE																	
BENZO(B)FLUORANTHENE																	
BENZO(G,H,I)PERYLENE																	
BENZO(K)FLUORANTHENE																	
BENZO[A]PYRENE																	
BIS(2-CHLORO-1-METHYLETHYL) ETHER																	
BIS(2-CHLOROETHOXY)METHANE																	
BIS(2-CHLOROETHYL)ETHER																	
BIS(2-ETHYLHEXYL)PHTHALATE	<2.	<2.	<2.	<2.	<2.	<2.	3. J	<2.	<2.								
BUTYL BENZYL PHTHALATE																	
CHRYSENE																	
DI-N-BUTYL PHTHALATE																	
DIBENZ(A,H)ANTHRACENE																	
DIETHYL PHTHALATE																	
DIMETHYL PHTHALATE																	
FLUORANTHENE																	
FLUORENE																	
HEXACHLOROBENZENE																	
HEXACHLOROBUTADIENE																	
HEXACHLOROCYCLOPENTADIENE																	
HEXACHLOROETHANE																	
INDENO (1,2,3-CD) PYRENE																	
ISOPHORONE																	
N-DIOCTYL PHTHALATE																	
N-NITROSODI-N-PROPYLAMINE																	
N-NITROSODIMETHYLAMINE																	
N-NITROSODIPHENYLAMINE																	
NAPHTHALENE																	
NITROBENZENE																	
PCN-2																	
PENTACHLOROPHENOL																	
PHENANTHRENE																	
PHENOL																	
PYRENE																	
ANTIMONY	^<25	^<25	^<25	^<25	^<25	^<29	^<29										

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Appendix E
Table 3
Pierson Creek Landfill Groundwater Results vs. Industrial Drinking Water

Analyte	PCL-6 9/30/98 1	PCL-6 12/9/98 1	PCL-6 3/30/99 1	PCL-6 7/6/99 1	PCL-6 9/29/99 1	PCL-6 12/8/99 1	PCL-6 3/27/00 1	PCL-6 7/19/00 1	PCL-6 9/18/00 1	PCL-6 12/13/00 1	PCL-6 3/13/01 1	PCL-6 6/26/01 1	PCL-6 9/26/01 1	PCL-6 12/12/01 1	PCL-6 3/26/02 1	PCL-6 6/17/02 1	PCL-6 9/24/02 1
ANTIMONY																	
ARSENIC	<7.0	<7.0	<7.0	<7.0	<7.0	<5.0	<5.0										
ARSENIC																	
CADMIUM	<.63	<.63	<.63	<.63	<.63	<.81	<.81										
CADMIUM																	
COPPER	<5.8	<5.8	<5.8	<5.8	<5.8	<3.5	<3.5										
COPPER																	
LEAD	<6.5	<6.5	<6.5	<6.5	<6.5	<7.9	<7.9										
LEAD																	
NICKEL	<5.4	<5.4	<5.4	<5.4	<5.4	<6.6	<6.6										
NICKEL																	
SILVER	<1.4	<1.4	<1.4	<1.4	<1.4	<1.7	<1.7										
SILVER																	
VANADIUM	<2.8	<2.8	<2.8	<2.8	<2.8	<3.4	<3.4										
VANADIUM																	
ZINC	45	55	82	20.1 U	12.7 J	14.6 U	5.4 J										
ZINC																	
CHEMICAL OXYGEN DEMAND (COD)	18200	19100	8000 J	28500 U	15700	4500 U	4600 J	14300									
CYANIDE	4.0 J	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0										
TOTAL DISSOLVED SOLIDS	195000	196000	199000	195000	203000	195000	198000	199000									
COLOR QUALITATIVE (FIELD)																	CLEAR
COLOR QUALITATIVE (FIELD)																	
DEPTH TO WATER FROM TOC															31.08		30.26
DISSOLVED OXYGEN (FIELD)																	2960
ODOR (FIELD)																	NO
ODOR (FIELD)																	
ODOR (FIELD)	1.8																
PH (FIELD)																	6.66
REDOX (FIELD)																	89
SPECIFIC CONDUCTANCE (FIELD)																	305
TEMPERATURE (FIELD)																	11.68
TURBIDITY QUANTITATIVE (FIELD)																	2.5

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Appendix E
Table 3
Pierson Creek Landfill Groundwater Results vs. Industrial Drinking Water

	PCL-6	PCL-6	MW-PCL-6	MW-PCL-6	PCL-6	PCL-6	PCL-6	PCL-6	PCL-6	PCL-6
	12/2/02	3/24/03	6/16/03	12/8/03	9/22/03	4/29/04	10/25/04	5/9/05	10/3/05	5/1/06
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Analyte	1	1	1	1	1	1	1	1	1	1
OVABZONE										
OVABZONE		0								
OVACASING										
OVACASING		0								
1,1,1-TRICHLOROETHANE	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U
1,1,2,2-TETRACHLOROETHANE										
1,1,2-TRICHLOROETHANE										
1,1,2-TRICHLOROTRIFLUOROETHANE	<2. U	<2. U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
1,1-DICHLOROETHANE	<1. U	<1. U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
1,1-DICHLOROETHENE										
1,2-DICHLOROBENZENE										
1,2-DICHLOROETHANE										
1,2-DICHLOROETHENE										
1,2-DICHLOROPROPANE										
1,3-DICHLOROBENZENE										
1,4-DICHLOROBENZENE										
2-CHLOROETHYL VINYL ETHER										
ACROLEIN										
ACRYLONITRILE										
BENZENE	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE										
BROMOFORM										
CARBON TETRACHLORIDE	<1. U	<1. U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
CHLOROBENZENE										
CHLORODIBROMOMETHANE										
CHLOROFORM	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U
CIS-1,2 DICHLOROETHENE	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U
CIS-1,3-DICHLOROPROPENE										
DICHLORODIFLUOROMETHANE	<2. U	<2. U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
ETHYL CHLORIDE										
ETHYLBENZENE										
METHYL BROMIDE										
METHYL CHLORIDE										
METHYLENE CHLORIDE	<2. U	<2. U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
TETRACHLOROETHYLENE	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U
TOLUENE	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U
TRANS-1,2-DICHLOROETHENE	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U
TRANS-1,3-DICHLOROPROPENE										
TRICHLOROETHENE	<1. U	<1. U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
TRICHLOROFLUOROMETHANE	<2. U	<2. U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
VINYL CHLORIDE										
XYLENES										
1,2,4-TRICHLOROBENZENE										
1,2-DIPHENYLHYDRAZINE										
2,4,6-TRICHLOROPHENOL										
2,4-DICHLOROPHENOL										
2,4-DIMETHYLPHENOL										
2,4-DINITROPHENOL										
2,4-DINITROTOLUENE										
2,6-DINITROTOLUENE										
2-CHLOROPHENOL										

Criteria = MDEQ 1 GW Res and Comm I DW Criteria and RBSLs 12/2004
^and shaded cells = Concentration above criteria (NDs [^^] assumed to be 50% reporting limit)
<and ND = Non detect at stated reporting limit

Appendix E
Table 3
Pierson Creek Landfill Groundwater Results vs. Industrial Drinking Water

	PCL-6	PCL-6	MW-PCL-6	MW-PCL-6	PCL-6	PCL-6	PCL-6	PCL-6	PCL-6	PCL-6
	12/2/02	3/24/03	6/16/03	12/8/03	9/22/03	4/29/04	10/25/04	5/9/05	10/3/05	5/1/06
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Analyte	1	1	1	1	1	1	1	1	1	1
2-NITROPHENOL										
3,3'-DICHLOROBENZIDINE										
4,6-DINITRO-2-METHYLPHENOL										
4-BROMOPHENYL PHENYL ETHER										
4-CHLORO-3-METHYLPHENOL										
4-CHLOROPHENYL PHENYL ETHER										
4-NITROPHENOL										
ACENAPHTHENE										
ACENAPHTHYLENE										
ANTHRACENE										
BENZIDINE										
BENZO(A)ANTHRACENE										
BENZO(B)FLUORANTHENE										
BENZO(G,H,I)PERYLENE										
BENZO(K)FLUORANTHENE										
BENZO[A]PYRENE										
BIS(2-CHLORO-1-METHYLETHYL) ETHER										
BIS(2-CHLOROETHOXY)METHANE										
BIS(2-CHLOROETHYL)ETHER										
BIS(2-ETHYLHEXYL)PHTHALATE										
BUTYL BENZYL PHTHALATE										
CHRYSENE										
DI-N-BUTYL PHTHALATE										
DIBENZ(A,H)ANTHRACENE										
DIETHYL PHTHALATE										
DIMETHYL PHTHALATE										
FLUORANTHENE										
FLUORENE										
HEXACHLOROBENZENE										
HEXACHLOROBUTADIENE										
HEXACHLOROCYCLOPENTADIENE										
HEXACHLOROETHANE										
INDENO (1,2,3-CD) PYRENE										
ISOPHORONE										
N-DIOCTYL PHTHALATE										
N-NITROSODI-N-PROPYLAMINE										
N-NITROSODIMETHYLAMINE										
N-NITROSODIPHENYLAMINE										
NAPHTHALENE										
NITROBENZENE										
PCN-2										
PENTACHLOROPHENOL										
PHENANTHRENE										
PHENOL										
PYRENE										
ANTIMONY										

Criteria = MDEQ 1 GW Res and Comm I DW Criteria and RBSLs 12/2004
^and shaded cells = Concentration above criteria (NDs [^^] assumed to be 50% reporting limit)
<and ND = Non detect at stated reporting limit

Appendix E
Table 3
Pierson Creek Landfill Groundwater Results vs. Industrial Drinking Water

	PCL-6	PCL-6	MW-PCL-6	MW-PCL-6	PCL-6	PCL-6	PCL-6	PCL-6	PCL-6	PCL-6
	12/2/02	3/24/03	6/16/03	12/8/03	9/22/03	4/29/04	10/25/04	5/9/05	10/3/05	5/1/06
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Analyte	1	1	1	1	1	1	1	1	1	1
ANTIMONY										
ARSENIC										
ARSENIC										
CADMIUM										
CADMIUM										
COPPER										
COPPER										
LEAD										
LEAD										
NICKEL										
NICKEL										
SILVER										
SILVER										
VANADIUM										
VANADIUM										
ZINC										
ZINC										
CHEMICAL OXYGEN DEMAND (COD)										
CYANIDE										
TOTAL DISSOLVED SOLIDS										
COLOR QUALITATIVE (FIELD)										
COLOR QUALITATIVE (FIELD)		CLEAR								
DEPTH TO WATER FROM TOC		30.92								
DISSOLVED OXYGEN (FIELD)		3100								
ODOR (FIELD)										
ODOR (FIELD)		NONE								
ODOR (FIELD)										
PH (FIELD)		7.91								
REDOX (FIELD)		-130								
SPECIFIC CONDUCTANCE (FIELD)		220								
TEMPERATURE (FIELD)		12								
TURBIDITY QUANTITATIVE (FIELD)		3.2								

Criteria = MDEQ 1 GW Res and Comm I DW Criteria and RBSLs 12/2004
^and shaded cells = Concentration above criteria (NDs [^^] assumed to be 50% reporting limit)
<and ND = Non detect at stated reporting limit

Appendix E
Table 3 Cont.
Pierson Creek Landfill Groundwater Results vs. INdustrial Drinking Water

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Sample ID Date Top (ft) Bottom (ft) Duplicate #	MW-250 4/26/94 1	MW-250 6/26/96 1	MW-250 9/9/96 1	MW-250 1/15/97 1	MW-250 1/15/97 2	MW-250 3/25/97 1	MW-250 6/10/97 1	MW-250 9/9/97 1	MW-250 12/3/97 1	MW-250 12/9/97 1	MW-250 3/24/98 1	MW-250 6/3/98 1	MW-250 9/30/98 1	MW-250 12/9/98 1	MW-250 3/30/99 1
OVABZONE	NONE	T																	
OVABZONE	PPM	T																	
OVACASING	NONE	T																	
OVACASING	PPM	T																	
1,1,1-TRICHLOROETHANE	ug/l	T	200		<5	<.8	.74 J	<1.	<1.	<1.	<1.	<1.		<1.	<1.	<1.	<1.	<1.	<1.
1,1,2,2-TETRACHLOROETHANE	ug/l	T	35		<5														
1,1,2-TRICHLOROETHANE	ug/l	T	5		<5														
1,1,2-TRICHLOROTRIFLUOROETHANE	ug/l	T	170000			22	15	17	21	23	21	26		24	21	27	16	31	27
1,1-DICHLOROETHANE	ug/l	T	2500		<5	<.9	.41 J	<2.	<2.	<2.	<2.	<2.		<2.	<2.	<2.	<2.	<2.	<2.
1,1-DICHLOROETHENE	ug/l	T	7		<5												<1.		
1,2-DICHLOROBENZENE	ug/l	T	600		<10														
1,2-DICHLOROETHANE	ug/l	T	5		<5														
1,2-DICHLOROETHENE	ug/l	T	70		<5					6									
1,2-DICHLOROPROPANE	ug/l	T	5		<5														
1,3-DICHLOROBENZENE	ug/l	T	19		<10														
1,4-DICHLOROBENZENE	ug/l	T	75		<10														
2-CHLOROETHYL VINYL ETHER	ug/l	T			<10														
ACROLEIN	ug/l	T	330		<100														
ACRYLONITRILE	ug/l	T	11		^<100														
BENZENE	ug/l	T	5		<5	<.8	.83 J	<1.	<1.	<1.	<1.	<1.		<1.	<1.	<1.	<1.	<1.	<1.
BROMODICHLOROMETHANE	ug/l	T	80		<5														
BROMOFORM	ug/l	T	80		<5														
CARBON TETRACHLORIDE	ug/l	T	5		<5	<1	<.4	<1.	<1.	<1.	<1.	<1.		<1.	<1.	<1.	<1.	<1.	<1.
CHLOROBENZENE	ug/l	T	100		<5														
CHLORODIBROMOMETHANE	ug/l	T	80		<5														
CHLOROFORM	ug/l	T	80		<5	.88 J	.82 J	<1.	1. J	1. J	<1.	<1.		1. J	2. J	<1.	1. J	2. J	1. J
CIS-1,2 DICHLOROETHENE	ug/l	T	70			5.3	5.4	5. J	6		5	5. J		7	6	5	4. J	6	6
CIS-1,3-DICHLOROPROPENE	ug/l	T	35		<5														
DICHLORODIFLUOROMETHANE	ug/l	T	4800																
ETHYL CHLORIDE	ug/l	T	1700		<10														
ETHYLBENZENE	ug/l	T	74		<5														
METHYL BROMIDE	ug/l	T	29		<10														
METHYL CHLORIDE	ug/l	T	1100		<10												<3.		
METHYLENE CHLORIDE	ug/l	T	5		<5	<.9	<.4	<2.	<2.	<2.	<2.	<2.		<2.	<2.	<2.	<2.	<2.	<2.
TETRACHLOROETHYLENE	ug/l	T	5		^220.	^130	^160	^160.	^150.	^140.	^160.	^210.		^180.	^87.	^180.	^120.	^110.	^100.
TOLUENE	ug/l	T	790		<5	6.9	9.2	5	8	7	7	3. J		9	9	8	4. J	9	8
TRANS-1,2-DICHLOROETHENE	ug/l	T	100			<1.1	<.3	<2.	<2.		<2.	<2.		<2.	<2.	<2.	<2.	<2.	<2.
TRANS-1,3-DICHLOROPROPENE	ug/l	T	35		<5														
TRICHLOROETHENE	ug/l	T	5		^9.	^14	^13	^12.	^13.	^12.	^12.	^11.		^17.	^14.	^13.	^10.	^15.	^13.
TRICHLOROFLUOROMETHANE	ug/l	T	7300		<5	<2.2	<.6	<2.	<2.	<2.	<2.	<2.		<2.	<2.	<2.	<2.	<2.	<2.

Criteria = MDEQ 2 GW Ind and Comm I, II, III DW Crit and RBSLs 12/2004
^ and shaded cells = Concentration above criteria (NDs [^^] assumed to be 50% reporting limit)
< and ND = Non detect at stated reporting limit

Appendix E
Table 3 Cont.
Pierson Creek Landfill Groundwater Results vs. INdustrial Drinking Water

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Sample ID Date Top (ft) Bottom (ft) Duplicate #	MW-250 4/26/94 1	MW-250 6/26/96 1	MW-250 9/9/96 1	MW-250 1/15/97 1	MW-250 1/15/97 2	MW-250 3/25/97 1	MW-250 6/10/97 1	MW-250 9/9/97 1	MW-250 12/3/97 1	MW-250 12/9/97 1	MW-250 3/24/98 1	MW-250 6/3/98 1	MW-250 9/30/98 1	MW-250 12/9/98 1	MW-250 3/30/99 1
VINYL CHLORIDE	ug/l	T	2		^<10												<2.		
XYLENES	ug/l	T	280		<5														
1,2,4-TRICHLOROBENZENE	ug/l	T	70		<10														
1,2-DIPHENYLHYDRAZINE	ug/l	T			<10														
2,4,6-TRICHLOROPHENOL	ug/l	T	470		<10														
2,4-DICHLOROPHENOL	ug/l	T	210		<10														
2,4-DIMETHYLPHENOL	ug/l	T	1000		<10														
2,4-DINITROPHENOL	ug/l	T			<25														
2,4-DINITROTOLUENE	ug/l	T	32		<10														
2,6-DINITROTOLUENE	ug/l	T			<10														
2-CHLOROPHENOL	ug/l	T	130		<10														
2-NITROPHENOL	ug/l	T	58		<10														
3,3'-DICHLOROBENZIDINE	ug/l	T	4.3		^<20														
4,6-DINITRO-2-METHYLPHENOL	ug/l	T	20		<25														
4-BROMOPHENYL PHENYL ETHER	ug/l	T			<10														
4-CHLORO-3-METHYLPHENOL	ug/l	T	420		<10														
4-CHLOROPHENYL PHENYL ETHER	ug/l	T			<10														
4-NITROPHENOL	ug/l	T			<25														
ACENAPHTHENE	ug/l	T	3800		<10														
ACENAPHTHYLENE	ug/l	T	150		<10														
ANTHRACENE	ug/l	T	43		<10														
BENZIDINE	ug/l	T	0.3		^<50														
BENZO(A)ANTHRACENE	ug/l	T	8.5		<10														
BENZO(B)FLUORANTHENE	ug/l	T	1.5		^<10														
BENZO(G,H,I)PERYLENE	ug/l	T	1		^<10														
BENZO(K)FLUORANTHENE	ug/l	T	1		^<10														
BENZO[A]PYRENE	ug/l	T	5		<10														
BIS(2-CHLORO-1-METHYLETHYL) ETHER	ug/l	T			<10														
BIS(2-CHLOROETHOXY)METHANE	ug/l	T			<10														
BIS(2-CHLOROETHYL)ETHER	ug/l	T	8.3		<10														
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	T	6		<10	<1.2	1.9 J	<2.		<2.	<2.	<1.		1. J	1. J	2. J	<2.	^13.	<2.
BUTYL BENZYL PHTHALATE	ug/l	T	2700		<10														
CHRYSENE	ug/l	T	1.6		^<10														
DI-N-BUTYL PHTHALATE	ug/l	T	2500		<10														
DIBENZ(A,H)ANTHRACENE	ug/l	T	2		^<10														
DIETHYL PHTHALATE	ug/l	T	16000		<10														
DIMETHYL PHTHALATE	ug/l	T	210000		<10														
FLUORANTHENE	ug/l	T	210		<10														
FLUORENE	ug/l	T	2000		<10														
HEXACHLOROBENZENE	ug/l	T	1		^<10														
HEXACHLOROBUTADIENE	ug/l	T	42		<10														
HEXACHLOROCYCLOPENTADIENE	ug/l	T	50		<10														
HEXACHLOROETHANE	ug/l	T	21		<10														
INDENO (1,2,3-CD) PYRENE	ug/l	T	2		^<10														
ISOPHORONE	ug/l	T	3100		<10														

Criteria = MDEQ 2 GW Ind and Comm I, II, III DW Crit and RBSLs 12/2004
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Appendix E
Table 3 Cont.
Pierson Creek Landfill Groundwater Results vs. INdustrial Drinking Water

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Sample ID Date Top (ft) Bottom (ft) Duplicate #	MW-250 4/26/94 1	MW-250 6/26/96 1	MW-250 9/9/96 1	MW-250 1/15/97 1	MW-250 1/15/97 2	MW-250 3/25/97 1	MW-250 6/10/97 1	MW-250 9/9/97 1	MW-250 12/3/97 1	MW-250 12/9/97 1	MW-250 3/24/98 1	MW-250 6/3/98 1	MW-250 9/30/98 1	MW-250 12/9/98 1	MW-250 3/30/99 1
N-DIOCTYL PHTHALATE	ug/l	T	380		<10														
N-NITROSODI-N-PROPYLAMINE	ug/l	T	5		<10														
N-NITROSODIMETHYLAMINE	ug/l	T			<10														
N-NITROSODIPHENYLAMINE	ug/l	T	1100		<10														
NAPHTHALENE	ug/l	T	1500		<10														
NITROBENZENE	ug/l	T	9.6		<10														
PCN-2	ug/l	T	5200		<10														
PENTACHLOROPHENOL	ug/l	T	1		^<25														
PHENANTHRENE	ug/l	T	150		<10														
PHENOL	ug/l	T	13000		<10														
PYRENE	ug/l	T	140		<10														
ANTIMONY	ug/l	D	6								^<15	^<19	^<19		^<19	^<19	^<25	^<25	^<25
ANTIMONY	ug/l	T	6			<5.00	<5.00	<3.1		^<15									
ARSENIC	ug/l	D	10								7.2 J	7.2 J	11		8.2 J	9.5 J	14	<7.0	8.2 J
ARSENIC	ug/l	T	10			35.2	27.7	46		^60									
CADMIUM	ug/l	D	5								<.52	.50 J	<.42		<.42	<.42	<.63	<.63	<.63
CADMIUM	ug/l	T	5			<2.0	<.500	<.52		2.8									
COPPER	ug/l	D	1000								<3.8	<4.5	<4.5		<4.5	<4.5	<5.8	<5.8	<5.8
COPPER	ug/l	T	1000			7.3 J	7.51 J	19.5 J		20.3 J									
LEAD	ug/l	D	4								<2.0	<3.4	<3.4		<3.4	<3.4	<6.5	<6.5	<6.5
LEAD	ug/l	T	4			^6.00	<3.00	2.4 J		3.1 J									
NICKEL	ug/l	D	100								<5.4	<7.8	<7.8		<7.8	<7.8	<5.4	<5.4	<5.4
NICKEL	ug/l	T	100			<10.0	<10.0	7.6 J		9.3 J									
SILVER	ug/l	D	98								1.20 J	<.81	<.81		<.81	<.81	<1.4	<1.4	<1.4
SILVER	ug/l	T	98			<5.1	<.500	<.51		<.51									
VANADIUM	ug/l	D	62								<7.0	<5.6	<5.6		<5.6	<5.6	<2.8	<2.8	<2.8
VANADIUM	ug/l	T	62			9.3 J	<4.2	<7.0		7.1 J									
ZINC	ug/l	D	5000								<12	31	<9.0		19.1 J	9.8 J	18.6 J	24.3 J	19.2 J
ZINC	ug/l	T	5000			32.7 J	13.2 J	26		25 J									
CHEMICAL OXYGEN DEMAND (COD)	ug/l	T				33000 J	35000	43400		41100	33500	41300		39200	39200	34700	39600	40600	67900
CYANIDE	ug/l	T	200			<4	<4	<4.0		<4.0	4.3 J	<4.0		<4.0	<4.0	<4.0	5	4.7 J	<4.0
TOTAL DISSOLVED SOLIDS	ug/l	T	500000			^820000	^840000	^909000		^940000	^816000	^864000		^917000	^888000	^846000	^1760000	^899000	^973000
COLOR QUALITATIVE (FIELD)	NONE	T																	
COLOR QUALITATIVE (FIELD)	NS	T																	
DEPTH TO WATER FROM TOC	Feet	T																	
DISSOLVED OXYGEN (FIELD)	ug/l	T																	
ODOR (FIELD)	NONE	T																	
ODOR (FIELD)	NS	T																	
ODOR (FIELD)	TON	T				7	23	28.7		15.7	4	5.7		31.5	84.1	28.1	44.5		
PH (FIELD)	STD UNITS	T																	
REDOX (FIELD)	MV	T																	
SPECIFIC CONDUCTANCE (FIELD)	UMHOS/CM	T																	
TEMPERATURE (FIELD)	DEGREES C	T																	
TURBIDITY QUANTITATIVE (FIELD)	NTU	T																	

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Appendix E
Table 3 Cont.
Pierson Creek Landfill Groundwater Results vs. INdustrial Drinking Water

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Sample ID Date Top (ft) Bottom (ft) Duplicate #	MW-250 7/7/99 1	MW-250 9/29/99 1	MW-250 12/8/99 1	MW-250 3/28/00 1	MW-250 7/19/00 1	MW-250 9/18/00 1	MW-250 12/13/00 1	MW-250 3/13/01 1	MW-250 6/27/01 1	MW-250 9/25/01 1	MW-250 12/12/01 1	MW-250 3/26/02 1	MW-250 6/17/02 1	MW-250 9/24/02 1	MW-250 12/2/02 1
OVABZONE	NONE	T															0	0	
OVABZONE	PPM	T																	
OVACASING	NONE	T															0	0	
OVACASING	PPM	T																	
1,1,1-TRICHLOROETHANE	ug/l	T	200		<1.	<1.	2. J	<1.	<1.	<1.	1. J	<1.	<1. U	<1. U	1. J	<1. U	<0.8 U	1. J	2. J
1,1,2,2-TETRACHLOROETHANE	ug/l	T	35																
1,1,2-TRICHLOROETHANE	ug/l	T	5																
1,1,2-TRICHLOROTRIFLUOROETHANE	ug/l	T	170000		16	48	28	29	17	9. J	20	11	11	15	19	29	19	20	28
1,1-DICHLOROETHANE	ug/l	T	2500		<1.	<2.	<2.	<2.	<1.	<1.	<1.	<1.	<1. U	<1. U	<1. U	<1. U	<1. U	<1. U	<1. U
1,1-DICHLOROETHENE	ug/l	T	7																
1,2-DICHLOROBENZENE	ug/l	T	600																
1,2-DICHLOROETHANE	ug/l	T	5																
1,2-DICHLOROETHENE	ug/l	T	70																
1,2-DICHLOROPROPANE	ug/l	T	5																
1,3-DICHLOROBENZENE	ug/l	T	19																
1,4-DICHLOROBENZENE	ug/l	T	75																
2-CHLOROETHYL VINYL ETHER	ug/l	T																	
ACROLEIN	ug/l	T	330																
ACRYLONITRILE	ug/l	T	11																
BENZENE	ug/l	T	5		<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1. U	<1. U	<1. U	<1. U	<0.5 U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE	ug/l	T	80																
BROMOFORM	ug/l	T	80																
CARBON TETRACHLORIDE	ug/l	T	5		<1.	<1.	^8. U	<1.	<1.	<1.	<1.	<1.	<1. U	<1. U	<1. U	<1. U	<1. U	<1. U	<1. U
CHLOROBENZENE	ug/l	T	100																
CHLORODIBROMOMETHANE	ug/l	T	80																
CHLOROFORM	ug/l	T	80		1. J	1. J	3. U	2. J	<1.	<1.	2. J	1. J	<1. U	1. J	2. J	1. J	<0.8 U	0.9 J	2. J
CIS-1,2 DICHLOROETHENE	ug/l	T	70		4. J	5	4. J	5	4. J	4. J	4. J	1. J	6	7	5. J	6	8	9	6
CIS-1,3-DICHLOROPROPENE	ug/l	T	35																
DICHLORODIFLUOROMETHANE	ug/l	T	4800											<2. U	<2. U	<2. U	<2. U	<2. U	<2. U
ETHYL CHLORIDE	ug/l	T	1700																
ETHYLBENZENE	ug/l	T	74																
METHYL BROMIDE	ug/l	T	29																
METHYL CHLORIDE	ug/l	T	1100																
METHYLENE CHLORIDE	ug/l	T	5		<2.	<2.	<2.	<2.	<2.	<2.	<2.	<2.	<2. U	<2. U	<2. U	<2. U	<2. U	<2. U	<2. U
TETRACHLOROETHYLENE	ug/l	T	5		^120.	^160.	^130.	^43.	^110.	^60.	^130.	^49.	^96.	^110.	^110.	^140.	^220.	^240.	^230.
TOLUENE	ug/l	T	790		<2.	<2.	3. J	8	4. J	<1.	<1.	<1.	<1. U	<1. U	<1. U	5	<0.7 U	<0.7 U	<0.7 U
TRANS-1,2-DICHLOROETHENE	ug/l	T	100		<2.	<2.	<2.	<2.	<1.	<1.	<1.	<1.	<1. U	<1. U	<1. U	<1. U	<0.8 U	<0.8 U	<0.8 U
TRANS-1,3-DICHLOROPROPENE	ug/l	T	35																
TRICHLOROETHENE	ug/l	T	5		^6.	^11.	^8.	^14.	^8.	3. J	^8.	5. J	^6.	^7.	^7.	^26.	^10.	^11.	^10.
TRICHLOROFLUOROMETHANE	ug/l	T	7300		<2.	<2.	<2.	<2.	<2.	<2.	<2.	<2.	<2. U	<2. U	<2. U	<2. U	<2. U	<2. U	<2. U

Criteria = MDEQ 2 GW Ind and Comm I, II, III DW Crit and RBSLs 12/2004
^ and shaded cells = Concentration above criteria (NDs [^^] assumed to be 50% reporting limit)
< and ND = Non detect at stated reporting limit

Appendix E
Table 3 Cont.
Pierson Creek Landfill Groundwater Results vs. INdustrial Drinking Water

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Sample ID Date Top (ft) Bottom (ft) Duplicate #	MW-250 7/7/99 1	MW-250 9/29/99 1	MW-250 12/8/99 1	MW-250 3/28/00 1	MW-250 7/19/00 1	MW-250 9/18/00 1	MW-250 12/13/00 1	MW-250 3/13/01 1	MW-250 6/27/01 1	MW-250 9/25/01 1	MW-250 12/12/01 1	MW-250 3/26/02 1	MW-250 6/17/02 1	MW-250 9/24/02 1	MW-250 12/2/02 1
VINYL CHLORIDE	ug/l	T	2																
XYLENES	ug/l	T	280																
1,2,4-TRICHLOROBENZENE	ug/l	T	70																
1,2-DIPHENYLHYDRAZINE	ug/l	T																	
2,4,6-TRICHLOROPHENOL	ug/l	T	470																
2,4-DICHLOROPHENOL	ug/l	T	210																
2,4-DIMETHYLPHENOL	ug/l	T	1000																
2,4-DINITROPHENOL	ug/l	T																	
2,4-DINITROTOLUENE	ug/l	T	32																
2,6-DINITROTOLUENE	ug/l	T																	
2-CHLOROPHENOL	ug/l	T	130																
2-NITROPHENOL	ug/l	T	58																
3,3'-DICHLOROBENZIDINE	ug/l	T	4.3																
4,6-DINITRO-2-METHYLPHENOL	ug/l	T	20																
4-BROMOPHENYL PHENYL ETHER	ug/l	T																	
4-CHLORO-3-METHYLPHENOL	ug/l	T	420																
4-CHLOROPHENYL PHENYL ETHER	ug/l	T																	
4-NITROPHENOL	ug/l	T																	
ACENAPHTHENE	ug/l	T	3800																
ACENAPHTHYLENE	ug/l	T	150																
ANTHRACENE	ug/l	T	43																
BENZIDINE	ug/l	T	0.3																
BENZO(A)ANTHRACENE	ug/l	T	8.5																
BENZO(B)FLUORANTHENE	ug/l	T	1.5																
BENZO(G,H,I)PERYLENE	ug/l	T	1																
BENZO(K)FLUORANTHENE	ug/l	T	1																
BENZO[A]PYRENE	ug/l	T	5																
BIS(2-CHLORO-1-METHYLETHYL) ETHER	ug/l	T																	
BIS(2-CHLOROETHOXY)METHANE	ug/l	T																	
BIS(2-CHLOROETHYL)ETHER	ug/l	T	8.3																
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	T	6		<2.	<2.	<2.	<2.	<2.	<2.									
BUTYL BENZYL PHTHALATE	ug/l	T	2700																
CHRYSENE	ug/l	T	1.6																
DI-N-BUTYL PHTHALATE	ug/l	T	2500																
DIBENZ(A,H)ANTHRACENE	ug/l	T	2																
DIETHYL PHTHALATE	ug/l	T	16000																
DIMETHYL PHTHALATE	ug/l	T	210000																
FLUORANTHENE	ug/l	T	210																
FLUORENE	ug/l	T	2000																
HEXACHLOROBENZENE	ug/l	T	1																
HEXACHLOROBUTADIENE	ug/l	T	42																
HEXACHLOROCYCLOPENTADIENE	ug/l	T	50																
HEXACHLOROETHANE	ug/l	T	21																
INDENO (1,2,3-CD) PYRENE	ug/l	T	2																
ISOPHORONE	ug/l	T	3100																

Criteria = MDEQ 2 GW Ind and Comm I, II, III DW Crit and RBSLs 12/2004
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< and ND = Non detect at stated reporting limit

Appendix E
Table 3 Cont.
Pierson Creek Landfill Groundwater Results vs. INdustrial Drinking Water

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Sample ID Date Top (ft) Bottom (ft) Duplicate #	MW-250 7/7/99 1	MW-250 9/29/99 1	MW-250 12/8/99 1	MW-250 3/28/00 1	MW-250 7/19/00 1	MW-250 9/18/00 1	MW-250 12/13/00 1	MW-250 3/13/01 1	MW-250 6/27/01 1	MW-250 9/25/01 1	MW-250 12/12/01 1	MW-250 3/26/02 1	MW-250 6/17/02 1	MW-250 9/24/02 1	MW-250 12/2/02 1
N-DIOCTYL PHTHALATE	ug/l	T	380																
N-NITROSODI-N-PROPYLAMINE	ug/l	T	5																
N-NITROSODIMETHYLAMINE	ug/l	T																	
N-NITROSODIPHENYLAMINE	ug/l	T	1100																
NAPHTHALENE	ug/l	T	1500																
NITROBENZENE	ug/l	T	9.6																
PCN-2	ug/l	T	5200																
PENTACHLOROPHENOL	ug/l	T	1																
PHENANTHRENE	ug/l	T	150																
PHENOL	ug/l	T	13000																
PYRENE	ug/l	T	140																
ANTIMONY	ug/l	D	6		^<25	^<25	^<29	^<29											
ANTIMONY	ug/l	T	6																
ARSENIC	ug/l	D	10		<7.0	7.2 J	6.1 J	14											
ARSENIC	ug/l	T	10																
CADMIUM	ug/l	D	5		<.63	<.63	<.81	<.81											
CADMIUM	ug/l	T	5																
COPPER	ug/l	D	1000		<5.8	<5.8	<3.5	<3.5											
COPPER	ug/l	T	1000																
LEAD	ug/l	D	4		<6.5	<6.5	<7.9	<7.9											
LEAD	ug/l	T	4																
NICKEL	ug/l	D	100		9.3 J	<5.4	12.0 J	<6.6											
NICKEL	ug/l	T	100																
SILVER	ug/l	D	98		<1.4	<1.4	<1.7	<1.7											
SILVER	ug/l	T	98																
VANADIUM	ug/l	D	62		<2.8	<2.8	<3.4	<3.4											
VANADIUM	ug/l	T	62																
ZINC	ug/l	D	5000		102	59	96	95											
ZINC	ug/l	T	5000																
CHEMICAL OXYGEN DEMAND (COD)	ug/l	T			65500	47600	64400 U	28100	48300										
CYANIDE	ug/l	T	200		<4.0	<4.0	4.5 J	<4.0											
TOTAL DISSOLVED SOLIDS	ug/l	T	500000		^802000	^817000	^860000	^869000	^801000										
COLOR QUALITATIVE (FIELD)	NONE	T														CLEAR	CLEAR		
COLOR QUALITATIVE (FIELD)	NS	T																	
DEPTH TO WATER FROM TOC	Feet	T														46.61	45.8	45.58	
DISSOLVED OXYGEN (FIELD)	ug/l	T														3310	5110		
ODOR (FIELD)	NONE	T														NO	NO		
ODOR (FIELD)	NS	T																	
ODOR (FIELD)	TON	T																	
PH (FIELD)	STD UNITS	T														6.9	6.84		
REDOX (FIELD)	MV	T														52.8	182		
SPECIFIC CONDUCTANCE (FIELD)	UMHOS/CM	T														335	1.28		
TEMPERATURE (FIELD)	DEGREES C	T														11.3	12.47		
TURBIDITY QUANTITATIVE (FIELD)	NTU	T														19.4	14.3		

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< and ND = Non detect at stated reporting limit

Appendix E
Table 3 Cont.
Pierson Creek Landfill Groundwater Results vs. INdustrial Drinking Water

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Sample ID	MW-250	MW-250	MW-250	MW-250	MW-250	MW-250	MW-250	MW-250	MW-250
				Date	3/24/03	6/16/03	9/22/03	12/8/03	4/29/04	10/25/04	5/9/05	10/6/05	5/1/06
				Top (ft)		0	0	0	0	0	0	0	0
				Bottom (ft)		0	0	0	0	0	0	0	0
				Duplicate #	1	1	1	1	1	1	1	1	1
OVABZONE	NONE	T											
OVABZONE	PPM	T			0								
OVACASING	NONE	T											
OVACASING	PPM	T			0								
1,1,1-TRICHLOROETHANE	ug/l	T	200		2. J	0.8 J	0.9 J	1 J	<0.8 U	1 J	0.8 J	0.9 J	<0.8 U
1,1,2,2-TETRACHLOROETHANE	ug/l	T	35										
1,1,2-TRICHLOROETHANE	ug/l	T	5										
1,1,2-TRICHLOROTRIFLUOROETHANE	ug/l	T	170000		36	26	27	30	23	31	21	21	17
1,1-DICHLOROETHANE	ug/l	T	2500		<1. U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
1,1-DICHLOROETHENE	ug/l	T	7										
1,2-DICHLOROBENZENE	ug/l	T	600										
1,2-DICHLOROETHANE	ug/l	T	5										
1,2-DICHLOROETHENE	ug/l	T	70										
1,2-DICHLOROPROPANE	ug/l	T	5										
1,3-DICHLOROBENZENE	ug/l	T	19										
1,4-DICHLOROBENZENE	ug/l	T	75										
2-CHLOROETHYL VINYL ETHER	ug/l	T											
ACROLEIN	ug/l	T	330										
ACRYLONITRILE	ug/l	T	11										
BENZENE	ug/l	T	5		<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE	ug/l	T	80										
BROMOFORM	ug/l	T	80										
CARBON TETRACHLORIDE	ug/l	T	5		<1. U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
CHLOROBENZENE	ug/l	T	100										
CHLORODIBROMOMETHANE	ug/l	T	80										
CHLOROFORM	ug/l	T	80		3. J	2 J	1 J	3 J	<0.8 U	1 J	<0.8 U	<0.8 U	<0.8 U
CIS-1,2 DICHLOROETHENE	ug/l	T	70		3. J	4 J	4 J	4 J	6	10	15	21	18
CIS-1,3-DICHLOROPROPENE	ug/l	T	35										
DICHLORODIFLUOROMETHANE	ug/l	T	4800		<2. U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
ETHYL CHLORIDE	ug/l	T	1700										
ETHYLBENZENE	ug/l	T	74										
METHYL BROMIDE	ug/l	T	29										
METHYL CHLORIDE	ug/l	T	1100										
METHYLENE CHLORIDE	ug/l	T	5		<2. U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
TETRACHLOROETHYLENE	ug/l	T	5		^230.	^91	^160	^190	^230	^280	^220	^260	^200
TOLUENE	ug/l	T	790		<0.7 U	2 J	2 J	1 J	1 J	<0.7 U	<0.7 U	<0.7 U	<0.7 U
TRANS-1,2-DICHLOROETHENE	ug/l	T	100		<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U
TRANS-1,3-DICHLOROPROPENE	ug/l	T	35										
TRICHLOROETHENE	ug/l	T	5		^11.	^20	^21	^18	^15	^13	^12	^11	^11
TRICHLOROFLUOROMETHANE	ug/l	T	7300		<2. U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U

Criteria = MDEQ 2 GW Ind and Comm I, II, III DW Crit and RBSLs 12/2004
^ and shaded cells = Concentration above criteria (NDs [^^] assumed to be 50% reporting limit)
< and ND = Non detect at stated reporting limit

Appendix E
Table 3 Cont.
Pierson Creek Landfill Groundwater Results vs. INdustrial Drinking Water

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Sample ID	MW-250	MW-250	MW-250	MW-250	MW-250	MW-250	MW-250	MW-250	MW-250
				Date	3/24/03	6/16/03	9/22/03	12/8/03	4/29/04	10/25/04	5/9/05	10/6/05	5/1/06
				Top (ft)		0	0	0	0	0	0	0	0
				Bottom (ft)		0	0	0	0	0	0	0	0
				Duplicate #	1	1	1	1	1	1	1	1	1
VINYL CHLORIDE	ug/l	T	2										
XYLENES	ug/l	T	280										
1,2,4-TRICHLOROBENZENE	ug/l	T	70										
1,2-DIPHENYLHYDRAZINE	ug/l	T											
2,4,6-TRICHLOROPHENOL	ug/l	T	470										
2,4-DICHLOROPHENOL	ug/l	T	210										
2,4-DIMETHYLPHENOL	ug/l	T	1000										
2,4-DINITROPHENOL	ug/l	T											
2,4-DINITROTOLUENE	ug/l	T	32										
2,6-DINITROTOLUENE	ug/l	T											
2-CHLOROPHENOL	ug/l	T	130										
2-NITROPHENOL	ug/l	T	58										
3,3'-DICHLOROBENZIDINE	ug/l	T	4.3										
4,6-DINITRO-2-METHYLPHENOL	ug/l	T	20										
4-BROMOPHENYL PHENYL ETHER	ug/l	T											
4-CHLORO-3-METHYLPHENOL	ug/l	T	420										
4-CHLOROPHENYL PHENYL ETHER	ug/l	T											
4-NITROPHENOL	ug/l	T											
ACENAPHTHENE	ug/l	T	3800										
ACENAPHTHYLENE	ug/l	T	150										
ANTHRACENE	ug/l	T	43										
BENZIDINE	ug/l	T	0.3										
BENZO(A)ANTHRACENE	ug/l	T	8.5										
BENZO(B)FLUORANTHENE	ug/l	T	1.5										
BENZO(G,H,I)PERYLENE	ug/l	T	1										
BENZO(K)FLUORANTHENE	ug/l	T	1										
BENZO[A]PYRENE	ug/l	T	5										
BIS(2-CHLORO-1-METHYLETHYL) ETHER	ug/l	T											
BIS(2-CHLOROETHOXY)METHANE	ug/l	T											
BIS(2-CHLOROETHYL)ETHER	ug/l	T	8.3										
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	T	6										
BUTYL BENZYL PHTHALATE	ug/l	T	2700										
CHRYSENE	ug/l	T	1.6										
DI-N-BUTYL PHTHALATE	ug/l	T	2500										
DIBENZ(A,H)ANTHRACENE	ug/l	T	2										
DIETHYL PHTHALATE	ug/l	T	16000										
DIMETHYL PHTHALATE	ug/l	T	210000										
FLUORANTHENE	ug/l	T	210										
FLUORENE	ug/l	T	2000										
HEXACHLOROBENZENE	ug/l	T	1										
HEXACHLOROBUTADIENE	ug/l	T	42										
HEXACHLOROCYCLOPENTADIENE	ug/l	T	50										
HEXACHLOROETHANE	ug/l	T	21										
INDENO (1,2,3-CD) PYRENE	ug/l	T	2										
ISOPHORONE	ug/l	T	3100										

Criteria = MDEQ 2 GW Ind and Comm I, II, III DW Crit and RBSLs 12/2004
^ and shaded cells = Concentration above criteria (NDs [^^] assumed to be 50% reporting limit)
< and ND = Non detect at stated reporting limit

Appendix E
Table 3 Cont.
Pierson Creek Landfill Groundwater Results vs. INdustrial Drinking Water

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Sample ID	MW-250	MW-250	MW-250	MW-250	MW-250	MW-250	MW-250	MW-250	MW-250
				Date	3/24/03	6/16/03	9/22/03	12/8/03	4/29/04	10/25/04	5/9/05	10/6/05	5/1/06
				Top (ft)		0	0	0	0	0	0	0	0
				Bottom (ft)		0	0	0	0	0	0	0	0
				Duplicate #	1	1	1	1	1	1	1	1	1
N-DIOCTYL PHTHALATE	ug/l	T	380										
N-NITROSODI-N-PROPYLAMINE	ug/l	T	5										
N-NITROSODIMETHYLAMINE	ug/l	T											
N-NITROSODIPHENYLAMINE	ug/l	T	1100										
NAPHTHALENE	ug/l	T	1500										
NITROBENZENE	ug/l	T	9.6										
PCN-2	ug/l	T	5200										
PENTACHLOROPHENOL	ug/l	T	1										
PHENANTHRENE	ug/l	T	150										
PHENOL	ug/l	T	13000										
PYRENE	ug/l	T	140										
ANTIMONY	ug/l	D	6										
ANTIMONY	ug/l	T	6										
ARSENIC	ug/l	D	10										
ARSENIC	ug/l	T	10										
CADMIUM	ug/l	D	5										
CADMIUM	ug/l	T	5										
COPPER	ug/l	D	1000										
COPPER	ug/l	T	1000										
LEAD	ug/l	D	4										
LEAD	ug/l	T	4										
NICKEL	ug/l	D	100										
NICKEL	ug/l	T	100										
SILVER	ug/l	D	98										
SILVER	ug/l	T	98										
VANADIUM	ug/l	D	62										
VANADIUM	ug/l	T	62										
ZINC	ug/l	D	5000										
ZINC	ug/l	T	5000										
CHEMICAL OXYGEN DEMAND (COD)	ug/l	T											
CYANIDE	ug/l	T	200										
TOTAL DISSOLVED SOLIDS	ug/l	T	500000										
COLOR QUALITATIVE (FIELD)	NONE	T											
COLOR QUALITATIVE (FIELD)	NS	T			LT. BROWN								
DEPTH TO WATER FROM TOC	Feet	T			47.15								
DISSOLVED OXYGEN (FIELD)	ug/l	T			4700								
ODOR (FIELD)	NONE	T											
ODOR (FIELD)	NS	T			NONE								
ODOR (FIELD)	TON	T											
PH (FIELD)	STD UNITS	T			6.82								
REDOX (FIELD)	MV	T			68								
SPECIFIC CONDUCTANCE (FIELD)	UMHOS/CM	T			935								
TEMPERATURE (FIELD)	DEGREES C	T			12.49								
TURBIDITY QUANTITATIVE (FIELD)	NTU	T			244								

Criteria = MDEQ 2 GW Ind and Comm I, II, III DW Crit and RBSLs 12/2004
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< and ND = Non detect at stated reporting limit

Appendix E
Table 3 Cont.
Pierson Creek Landfill Groundwater Results vs. Industrial Drinking Water

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Sample ID Date Top (ft) Bottom (ft) Duplicate #	MW-208-20 3/15/90 1	MW-208-20 6/29/90 1	MW-208-20 9/12/90 1	MW-208-20 12/5/90 1	MW-208-20 3/6/91 1	MW-208-20 6/4/91 1	MW-208-20 9/5/91 1	MW-208-20 12/11/91 1	MW-208-20 3/4/92 1	MW-208-20 6/3/92 1	MW-208-20 9/3/92 1	MW-208-20 12/9/92 1	MW-208-20 3/4/93 1	MW-208-20 6/4/93 1	MW-208-20 9/2/93 1	MW-208-20 12/8/93 1	MW-208-20 3/17/94 1	MW-208-20 4/25/94 1	MW-208-20 6/9/94 1	MW-208-20 9/9/94 1
OVABZONE	NONE	T																						
OVABZONE	PPM	T																						
OVACASING	NONE	T																						
OVACASING	PPM	T																						
TOTAL WELL DEPTH	Feet	T																						
1,1,1-TRICHLOROETHANE	ug/l	T	200		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	2	<2.0	<2.0	<2.0	<2.0	1	2	2.7	<5	1.6	<1.0
1,1,2,2-TETRACHLOROETHANE	ug/l	T	35																			<5		
1,1,2-TRICHLOROETHANE	ug/l	T	5																			<5		
1,1,2-TRICHLOROTRIFLUOROETHANE	ug/l	T	170000		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	15	11	<10	<10	<10	<10	10	16		<10	<10
1,1-DICHLOROETHANE	ug/l	T	2500		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<5	<1.0	<1.0
1,1-DICHLOROETHENE	ug/l	T	7																			<5		
1,2-DICHLOROBENZENE	ug/l	T	600																					
1,2-DICHLOROETHANE	ug/l	T	5																			<5		
1,2-DICHLOROETHENE	ug/l	T	70									<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	1	1.8	<5	<1.0	<1.0
1,2-DICHLOROPROPANE	ug/l	T	5																			<5		
1,3-DICHLOROBENZENE	ug/l	T	19																					
1,4-DICHLOROBENZENE	ug/l	T	75																					
2-CHLOROETHYL VINYL ETHER	ug/l	T																				<10		
ACROLEIN	ug/l	T	330																			<100		
ACRYLONITRILE	ug/l	T	11																			^<100		
BENZENE	ug/l	T	5		<5.0	<5.0	<5.0	^6	<5.0	<5.0	^10	<5.0	2	2	2	<1.0	<1.0	1	<1.0	3	4.4	<5	<1.0	<1.0
BROMODICHLOROMETHANE	ug/l	T	80																			<5		
BROMOFORM	ug/l	T	80																			<5		
CARBON TETRACHLORIDE	ug/l	T	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<5	<1.0	<1.0
CHLOROBENZENE	ug/l	T	100																			<5		
CHLORODIBROMOMETHANE	ug/l	T	80																			<5		
CHLOROFORM	ug/l	T	80		<5.0	6.8	15	23	22	<5.0	40	<5.0	3	4	3	2	2	3	2	4	6.4	<5	2.8	2.7
CIS-1,2 DICHLOROETHENE	ug/l	T	70																					
CIS-1,3-DICHLOROPROPENE	ug/l	T	35																			<5		
DICHLORODIFLUOROMETHANE	ug/l	T	4800																					
ETHYL CHLORIDE	ug/l	T	1700																			<10		
ETHYLBENZENE	ug/l	T	74																			<5		
METHYL BROMIDE	ug/l	T	29																			<10		
METHYL CHLORIDE	ug/l	T	1100																			<10		
METHYLENE CHLORIDE	ug/l	T	5																			<5		
TETRACHLOROETHYLENE	ug/l	T	5		<5.0	^11	<5.0	^8	^6	^7	^18	<5.0	4	^10	^8	4	3	^6.0	5	4	2.2	<5	2.5	2.9
TOLUENE	ug/l	T	790		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5	<1.0	<1.0
TRANS-1,2-DICHLOROETHENE	ug/l	T	100		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0													
TRANS-1,3-DICHLOROPROPENE	ug/l	T	35																			<5		
TRICHLOROETHENE	ug/l	T	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<5	<1.0	<1.0
TRICHLOROFLUOROMETHANE	ug/l	T	7300		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<1.0	<1.0	<5	<1.0	<1.0
VINYL CHLORIDE	ug/l	T	2																			^<10		
XYLENES	ug/l	T	280																			<5		
1,2,4-TRICHLOROBENZENE	ug/l	T	70																					
1,2-DIPHENYLHYDRAZINE	ug/l	T																						
2,4,6-TRICHLOROPHENOL	ug/l	T	470																					
2,4-DICHLOROPHENOL	ug/l	T	210																					
2,4-DIMETHYLPHENOL	ug/l	T	1000																					
2,4-DINITROPHENOL	ug/l	T																						
2,4-DINITROTOLUENE	ug/l	T	32																					
2,6-DINITROTOLUENE	ug/l	T																						
2-CHLOROPHENOL	ug/l	T	130																					
2-NITROPHENOL	ug/l	T	58																					
3,3'-DICHLOROBENZIDINE	ug/l	T	4.3																					
4,6-DINITRO-2-METHYLPHENOL	ug/l	T	20																					
4-BROMOPHENYL PHENYL ETHER	ug/l	T																						
4-CHLORO-3-METHYLPHENOL	ug/l	T	420																					
4-CHLOROPHENYL PHENYL ETHER	ug/l	T																						
4-NITROPHENOL	ug/l	T																						
ACENAPHTHENE	ug/l	T	3800																					
ACENAPHTHYLENE	ug/l	T	150																					
ANTHRACENE	ug/l	T	43																					
BENZIDINE	ug/l	T	0.3																					
BENZO(A)ANTHRACENE	ug/l	T	8.5																					
BENZO(B)FLUORANTHENE	ug/l	T	1.5																					
BENZO(G,H,I)PERYLENE	ug/l	T	1																					
BENZO(K)FLUORANTHENE	ug/l	T	1																					
BENZO[A]PYRENE	ug/l	T	5																					
BIS(2-CHLORO-1-METHYLETHYL) ETHER	ug/l	T																						
BIS(2-CHLOROETHOXY)METHANE	ug/l	T																						
BIS(2-CHLOROETHYL)ETHER	ug/l	T	8.3																					
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	T	6																					
BUTYL BENZYL PHTHALATE	ug/l	T	2700																					
CHRYSENE	ug/l	T	1.6																					

Criteria = MDEQ 2 GW Ind and Comm I, II, III DW Crit and RBSLs 12/2004
^ and shaded cells = Concentration above criteria (NDs [^^] assumed to be 50% reporting limit)
< and ND = Non detect at stated reporting limit

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Sample ID	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20
				Date	3/15/90	6/29/90	9/12/90	12/5/90	3/6/91	6/4/91	9/5/91	12/11/91	3/4/92	6/3/92	9/3/92	12/9/92	3/4/93	6/4/93	9/2/93	12/8/93	3/17/94	4/25/94	6/9/94	9/9/94
				Top (ft)																				
				Bottom (ft)																				
				Duplicate #	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
DI-N-BUTYL PHTHALATE	ug/l	T	2500																					
DIBENZ(A,H)ANTHRACENE	ug/l	T	2																					
DIETHYL PHTHALATE	ug/l	T	16000																					
DIMETHYL PHTHALATE	ug/l	T	210000																					
FLUORANTHENE	ug/l	T	210																					
FLUORENE	ug/l	T	2000																					
HEXACHLOROBENZENE	ug/l	T	1																					
HEXACHLOROBUTADIENE	ug/l	T	42																					
HEXACHLOROCYCLOPENTADIENE	ug/l	T	50																					
HEXACHLOROETHANE	ug/l	T	21																					
INDENO (1,2,3-CD) PYRENE	ug/l	T	2																					
ISOPHORONE	ug/l	T	3100																					
N-DIOCTYL PHTHALATE	ug/l	T	380																					
N-NITROSODI-N-PROPYLAMINE	ug/l	T	5																					
N-NITROSODIMETHYLAMINE	ug/l	T																						
N-NITROSODIPHENYLAMINE	ug/l	T	1100																					
NAPHTHALENE	ug/l	T	1500																					
NITROBENZENE	ug/l	T	9.6																					
PCN-2	ug/l	T	5200																					
PENTACHLOROPHENOL	ug/l	T	1																					
PHENANTHRENE	ug/l	T	150																					
PHENOL	ug/l	T	13000																					
PYRENE	ug/l	T	140																					
ANTIMONY	ug/l	D	6																					
ANTIMONY	ug/l	T	6																					
ARSENIC	ug/l	D	10																					
ARSENIC	ug/l	T	10																					
CADMIUM	ug/l	D	5																					
CADMIUM	ug/l	T	5																					
COPPER	ug/l	D	1000																					
COPPER	ug/l	T	1000		130	150	150	130	160	100	100	80	70	100	100	80	70	69	110	62	48		42	100
LEAD	ug/l	D	4																					
LEAD	ug/l	T	4																					
NICKEL	ug/l	D	100																					
NICKEL	ug/l	T	100																					
SILVER	ug/l	D	98																					
SILVER	ug/l	T	98																					
VANADIUM	ug/l	D	62																					
VANADIUM	ug/l	T	62																					
ZINC	ug/l	D	5000																					
ZINC	ug/l	T	5000																					
CHEMICAL OXYGEN DEMAND (COD)	ug/l	T			34000	6500	19000	32000	24000	12000	41000	20000	20000	43000	26000	17000	26000	22000	20000	12000	30000		16000	19000
CYANIDE	ug/l	T	200																					
TOTAL DISSOLVED SOLIDS	ug/l	T	500000		^932000	490000	^658000	^934000	^811000	^761000	^1410000	^782000	^677000	^931000	^738000	^813000	^796000	^790000	^799000	^763000	^911000		^710000	^815000
COLOR QUALITATIVE (FIELD)	NONE	T																						
COLOR QUALITATIVE (FIELD)	NS	T																						
DEPTH TO WATER FROM TOC	Feet	T																						
DISSOLVED OXYGEN (FIELD)	ug/l	T																						
ODOR (FIELD)	NONE	T																						
ODOR (FIELD)	NS	T																						
ODOR (FIELD)	TON	T																						
PH (FIELD)	STD UNITS	T																						
REDOX (FIELD)	MV	T																						
SPECIFIC CONDUCTANCE (FIELD)	UMHOS/CM	T																						
TEMPERATURE (FIELD)	DEGREES C	T																						
TURBIDITY QUANTITATIVE (FIELD)	NTU	T																						

Criteria = MDEQ 2 GW Ind and Comm I, II, III DW Crit and RBSLs 12/2004
^ and shaded cells = Concentration above criteria (NDs [^^] assumed to be 50% reporting limit)
< and ND = Non detect at stated reporting limit

Appendix E
Table 3 Cont.
Pierson Creek Landfill Groundwater Results vs. Industrial Drinking Water

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Sample ID Date Top (ft) Bottom (ft) Duplicate #	MW-208-20 12/8/94 1	MW-208-20 3/2/95 1	MW-208-20 6/1/95 1	MW-208-20 9/6/95 1	MW-208-20 12/5/95 1	MW-208-20 3/26/96 1	MW-208-20 6/26/96 1	MW-208-20 9/9/96 1	MW-208-20 1/15/97 1	MW-208-20 3/25/97 1	MW-208-20 6/10/97 1	MW-208-20 9/9/97 1	MW-208-20 12/3/97 1	MW-208-20 12/9/97 1	MW-208-20 3/24/98 1	MW-208-20 6/3/98 1	MW-208-20 9/30/98 1	MW-208-20 12/9/98 1	MW-208-20 3/30/99 1	MW-208-20 7/7/99 1
OVABZONE	NONE	T																						
OVABZONE	PPM	T																						
OVACASING	NONE	T																						
OVACASING	PPM	T																						
TOTAL WELL DEPTH	Feet	T																						
1,1,1-TRICHLOROETHANE	ug/l	T	200		1.5	4.1	2.5	1	1.3	1.4 J	.98 J	2.4 J	<1.	2. J	2. J	3. J		1. J	1. J	3. J	2. J	1. J	2. J	2. J
1,1,2,2-TETRACHLOROETHANE	ug/l	T	35																					
1,1,2-TRICHLOROETHANE	ug/l	T	5																					
1,1,2-TRICHLOROTRIFLUOROETHANE	ug/l	T	170000		<10	<10	<10	<1.0	<1.0	<.9	7.3	10	18	13	13	17		11	<2.	14	19	14	13	13
1,1-DICHLOROETHANE	ug/l	T	2500		<1.0	<1.0	<1.0	<1.0	<1.0		<.9	.52 J	<2.	<2.	<2.	<2.		<2.	<2.	<2.	<2.	<2.	<2.	<1.
1,1-DICHLOROETHENE	ug/l	T	7							<1.3											<1.			
1,2-DICHLOROBENZENE	ug/l	T	600																					
1,2-DICHLOROETHANE	ug/l	T	5																					
1,2-DICHLOROETHENE	ug/l	T	70		<1.0	<2.0	<2.0	<2.0	<2.0					<2.										
1,2-DICHLOROPROPANE	ug/l	T	5																					
1,3-DICHLOROBENZENE	ug/l	T	19																					
1,4-DICHLOROBENZENE	ug/l	T	75																					
2-CHLOROETHYL VINYL ETHER	ug/l	T																						
ACROLEIN	ug/l	T	330																					
ACRYLONITRILE	ug/l	T	11																					
BENZENE	ug/l	T	5		1.4	1.3	<1.0	<1.0	<1.0	<.8	<.8	.93 J	2. J	<1.	<1.	2. J		<1.	<1.	<1.	<1.	<1.	<1.	<1.
BROMODICHLOROMETHANE	ug/l	T	80																					
BROMOFORM	ug/l	T	80																					
CARBON TETRACHLORIDE	ug/l	T	5		<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1	<.4	<1.	<1.	<1.	<1.		<1.	<1.	<1.	<1.	<1.	<1.	<1.
CHLOROBENZENE	ug/l	T	100																					
CHLORODIBROMOMETHANE	ug/l	T	80																					
CHLOROFORM	ug/l	T	80		2.7	4.8	3	2.2	2.3	2.6 J	2.1 J	3.1 J	3. J	3. J	3. J	3. J		2. J	2. J	3. J	3. J	<1.	2. J	2. J
CIS-1,2 DICHLOROETHENE	ug/l	T	70							<.7	<.7	1.1 J	<2.		<2.	<2.		<2.	<2.	<2.	<2.	<2.	<2.	<2.
CIS-1,3-DICHLOROPROPENE	ug/l	T	35																					
DICHLORODIFLUOROMETHANE	ug/l	T	4800																					
ETHYL CHLORIDE	ug/l	T	1700																					
ETHYLBENZENE	ug/l	T	74																					
METHYL BROMIDE	ug/l	T	29																					
METHYL CHLORIDE	ug/l	T	1100																		<3.			
METHYLENE CHLORIDE	ug/l	T	5								<.9	<.4	<2.	<2.	<2.	2. J		<2.	<2.	<2.	<2.	<2.	<2.	<2.
TETRACHLOROETHYLENE	ug/l	T	5		2.2	2.6	2.6	2	1.6	<1.9	^8.7	4.9 J	^7.	^7.	^6.	^9.		^6.	5. J	^7.	^7.	^7.	5. J	^6.
TOLUENE	ug/l	T	790		<1.0	<1.0	<1.0	<1.0	<1.0	<3.8	<3.8	<.4	<2.	<2.	<2.	<2.		<2.	<2.	<2.	<2.	<2.	<2.	<2.
TRANS-1,2-DICHLOROETHENE	ug/l	T	100							<1.1	<1.1	<.3	<2.		<2.	<2.		<2.	<2.	<2.	<2.	<2.	<2.	<2.
TRANS-1,3-DICHLOROPROPENE	ug/l	T	35																					
TRICHLOROETHENE	ug/l	T	5		<1.0	<1.0	<1.0	<1.0	<1.0	<1.3	<1	.47 J	<1.	<1.	<1.	<1.		<1.	<1.	<1.	<1.	<1.	<1.	<1.
TRICHLOROFLUOROMETHANE	ug/l	T	7300		<1.0	<1.0	<1.0	<1.0	<1.0	<2.2	<2.2	<.6	<2.	<2.	<2.	<2.		<2.	<2.	<2.	<2.	<2.	<2.	<2.
VINYL CHLORIDE	ug/l	T	2																		<2.			
XYLENES	ug/l	T	280																					
1,2,4-TRICHLOROBENZENE	ug/l	T	70																					
1,2-DIPHENYLHYDRAZINE	ug/l	T																						
2,4,6-TRICHLOROPHENOL	ug/l	T	470																					
2,4-DICHLOROPHENOL	ug/l	T	210																					
2,4-DIMETHYLPHENOL	ug/l	T	1000																					
2,4-DINITROPHENOL	ug/l	T																						
2,4-DINITROTOLUENE	ug/l	T	32																					
2,6-DINITROTOLUENE	ug/l	T																						
2-CHLOROPHENOL	ug/l	T	130																					
2-NITROPHENOL	ug/l	T	58																					
3,3'-DICHLOROBENZIDINE	ug/l	T	4.3																					
4,6-DINITRO-2-METHYLPHENOL	ug/l	T	20																					
4-BROMOPHENYL PHENYL ETHER	ug/l	T																						
4-CHLORO-3-METHYLPHENOL	ug/l	T	420																					
4-CHLOROPHENYL PHENYL ETHER	ug/l	T																						
4-NITROPHENOL	ug/l	T																						
ACENAPHTHENE	ug/l	T	3800																					
ACENAPHTHYLENE	ug/l	T	150																					
ANTHRACENE	ug/l	T	43																					
BENZIDINE	ug/l	T	0.3																					
BENZO(A)ANTHRACENE	ug/l	T	8.5																					
BENZO(B)FLUORANTHENE	ug/l	T	1.5																					
BENZO(G,H,I)PERYLENE	ug/l	T	1																					
BENZO(K)FLUORANTHENE	ug/l	T	1																					
BENZO[A]PYRENE	ug/l	T	5																					
BIS(2-CHLORO-1-METHYLETHYL) ETHER	ug/l	T																						
BIS(2-CHLOROETHOXY)METHANE	ug/l	T																						
BIS(2-CHLOROETHYL)ETHER	ug/l	T	8.3																					
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	T	6								<1.2	1.6 J	<2.	<2.	<2.	<1.		<1.	3. J	<2.	<2.	<2.	<2.	<2.
BUTYL BENZYL PHTHALATE	ug/l	T	2700																					
CHRYSENE	ug/l	T	1.6																					

Criteria = MDEQ 2 GW Ind and Comm I, II, III DW Crit and RBSLs 12/2004
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DI-N-BUTYL PHTHALATE	ug/l	T	2500																					
DIBENZ(A,H)ANTHRACENE	ug/l	T	2																					
DIETHYL PHTHALATE	ug/l	T	16000																					
DIMETHYL PHTHALATE	ug/l	T	210000																					
FLUORANTHENE	ug/l	T	210																					
FLUORENE	ug/l	T	2000																					
HEXACHLOROBENZENE	ug/l	T	1																					
HEXACHLOROBUTADIENE	ug/l	T	42																					
HEXACHLOROCYCLOPENTADIENE	ug/l	T	50																					
HEXACHLOROETHANE	ug/l	T	21																					
INDENO (1,2,3-CD) PYRENE	ug/l	T	2																					
ISOPHORONE	ug/l	T	3100																					
N-DIOCTYL PHTHALATE	ug/l	T	380																					
N-NITROSODI-N-PROPYLAMINE	ug/l	T	5																					
N-NITROSODIMETHYLAMINE	ug/l	T																						
N-NITROSODIPHENYLAMINE	ug/l	T	1100																					
NAPHTHALENE	ug/l	T	1500																					
NITROBENZENE	ug/l	T	9.6																					
PCN-2	ug/l	T	5200																					
PENTACHLOROPHENOL	ug/l	T	1																					
PHENANTHRENE	ug/l	T	150																					
PHENOL	ug/l	T	13000																					
PYRENE	ug/l	T	140																					
ANTIMONY	ug/l	D	6												^<15	^<19	^<19		^<19	^<19	^<25	^<25	^<25	^<25
ANTIMONY	ug/l	T	6								<5.00	<5.00	<3.1	^<15										
ARSENIC	ug/l	D	10												22	27	15		24	18	22	13	13	11
ARSENIC	ug/l	T	10								14	14.2	23	20										
CADMIUM	ug/l	D	5												<.52	<.42	<.42		.68 J	<.42	<.63	<.63	<.63	<.63
CADMIUM	ug/l	T	5								<2.0	<.500	<.52	<.52										
COPPER	ug/l	D	1000												10.3 J	27	16.1 J		8.0 J	11.1 J	26	17.6 J	13.4 J	13.8 J
COPPER	ug/l	T	1000		46	65	53	67	32	41.9	111	75	87	102										
LEAD	ug/l	D	4												^5.9	<3.4	<3.4		<3.4	<3.4	<6.5	<6.5	<6.5	<6.5
LEAD	ug/l	T	4								3.7	3.6	^4.2 J	<2.0										
NICKEL	ug/l	D	100												<5.4	<7.8	<7.8		<7.8	<7.8	6.1 J	<5.4	<5.4	<5.4
NICKEL	ug/l	T	100								11.8 J	14 J	7.9 J	10.0 J										
SILVER	ug/l	D	98												.73 J	<.81	<.81		<.81	.91 J	<1.4	<1.4	<1.4	1.5 J
SILVER	ug/l	T	98								<5.1	<.500	.70 J	<.51										
VANADIUM	ug/l	D	62												<7.0	<5.6	<5.6		<5.6	<5.6	<2.8	<2.8	<2.8	<2.8
VANADIUM	ug/l	T	62								<4.2	<4.2	<7.0	<7.0										
ZINC	ug/l	D	5000												27	11.2 J	10.7 J		17.8 J	15.6 J	19.0 J	14.3 J	14.7 J	31
ZINC	ug/l	T	5000								25.9 J	12.1 J	19 J	17 J										
CHEMICAL OXYGEN DEMAND (COD)	ug/l	T			16000	20000	17000	14000	24000	<5000	23000 J	39000	34500	33300	22400	31900		31300	23500	26700	27200	31700	42800	28100
CYANIDE	ug/l	T	200								<4	<4	<4.0	<4.0	<4.0	<4.0		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
TOTAL DISSOLVED SOLIDS	ug/l	T	500000		^673000	^725000	^699000	^593000	^621000	^628000	^590000	^630000	^844000	^734000	^669000	^804000		^659000	^683000	^650000	^684000	^607000	^574000	^550000
COLOR QUALITATIVE (FIELD)	NONE	T																						
COLOR QUALITATIVE (FIELD)	NS	T																						
DEPTH TO WATER FROM TOC	Feet	T																						
DISSOLVED OXYGEN (FIELD)	ug/l	T																						
ODOR (FIELD)	NONE	T																						
ODOR (FIELD)	NS	T																						
ODOR (FIELD)	TON	T								6	6	18	20	4.9	11.5	15.9		28.3	70.7	50	35.4			
PH (FIELD)	STD UNITS	T																						
REDOX (FIELD)	MV	T																						
SPECIFIC CONDUCTANCE (FIELD)	UMHOS/CM	T																						
TEMPERATURE (FIELD)	DEGREES C	T																						
TURBIDITY QUANTITATIVE (FIELD)	NTU	T																						

Criteria = MDEQ 2 GW Ind and Comm I, II, III DW Crit and RBSLs 12/2004
^ and shaded cells = Concentration above criteria (NDs [^^] assumed to be 50% reporting limit)
< and ND = Non detect at stated reporting limit

Appendix E
Table 3 Cont.
Pierson Creek Landfill Groundwater Results vs. Industrial Drinking Water

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Sample ID	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20
				Date	9/29/99	12/7/99	3/28/00	7/19/00	9/18/00	3/13/01	6/27/01	9/26/01	12/12/01	3/26/02	6/17/02	9/24/02	12/2/02	3/24/03	6/16/03	9/22/03	12/8/03	4/29/04	10/25/04	5/9/05
				Top (ft)															0	0	0	0	0	0
				Bottom (ft)															0	0	0	0	0	0
				Duplicate #	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
OVABZONE	NONE	T														0								
OVABZONE	PPM	T																0						
OVACASING	NONE	T														0								
OVACASING	PPM	T																0						
TOTAL WELL DEPTH	Feet	T													20									
1,1,1-TRICHLOROETHANE	ug/l	T	200		2. J	3. J	3. J	2. J	2. J	2. J	<1. U	2. J	1. J	1. J	<0.8 U	3. J	4. J	3. J	2 J	3 J	4 J	<0.8 U	2 J	1 J
1,1,2,2-TETRACHLOROETHANE	ug/l	T	35																					
1,1,2-TRICHLOROETHANE	ug/l	T	5																					
1,1,2-TRICHLOROTRIFLUOROETHANE	ug/l	T	170000		18	23	20	14	17	12	5. J	15	10. J	9. J	3. J	20	29	18	17	20	23	3 J	10 J	6 J
1,1-DICHLOROETHANE	ug/l	T	2500		<2.	<2.	<2.	<1.	<1.	<1.	<1. U	<1. U	<1. U	<1. U	<1. U	<1. U	<1. U	<1. U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
1,1-DICHLOROETHENE	ug/l	T	7																					
1,2-DICHLOROBENZENE	ug/l	T	600																					
1,2-DICHLOROETHANE	ug/l	T	5																					
1,2-DICHLOROETHENE	ug/l	T	70																					
1,2-DICHLOROPROPANE	ug/l	T	5																					
1,3-DICHLOROBENZENE	ug/l	T	19																					
1,4-DICHLOROBENZENE	ug/l	T	75																					
2-CHLOROETHYL VINYL ETHER	ug/l	T																						
ACROLEIN	ug/l	T	330																					
ACRYLONITRILE	ug/l	T	11																					
BENZENE	ug/l	T	5		<1.	<1.	<1.	<1.	<1.	<1.	<1. U	<1. U	<1. U	<1. U	<0.5 U	<0.5 U	0.7 J	<0.5 U	<0.5 U	0.7 J	0.9 J	<0.5 U	<0.5 U	<0.5 U
BROMODICHLOROMETHANE	ug/l	T	80																					
BROMOFORM	ug/l	T	80																					
CARBON TETRACHLORIDE	ug/l	T	5		<1.	<1.	<1.	<1.	<1.	<1.	<1. U	<1. U	<1. U	<1. U	<1. U	<1. U	<1. U	<1. U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
CHLOROBENZENE	ug/l	T	100																					
CHLORODIBROMOMETHANE	ug/l	T	80																					
CHLOROFORM	ug/l	T	80		3. J	3. J	3. J	2. J	2. J	1. J	<1. U	2. J	1. J	1. J	<0.8 U	2. J	2. J	2. J	2 J	2 J	2 J	<0.8 U	1 J	1 J
CIS-1,2 DICHLOROETHENE	ug/l	T	70		<2.	<2.	<2.	<1.	<1.	<1.	<1. U	<1. U	<1. U	<1. U	<0.8 U	0.8 J	1. J	1. J	1 J	1 J	1 J	<0.8 U	<0.8 U	<0.8 U
CIS-1,3-DICHLOROPROPENE	ug/l	T	35																					
DICHLORODIFLUOROMETHANE	ug/l	T	4800									<2. U	<2. U	<2. U	<2. U	<2. U	<2. U	<2. U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
ETHYL CHLORIDE	ug/l	T	1700																					
ETHYLBENZENE	ug/l	T	74																					
METHYL BROMIDE	ug/l	T	29																					
METHYL CHLORIDE	ug/l	T	1100																					
METHYLENE CHLORIDE	ug/l	T	5		<2.	<2.	<2.	<2.	<2.	<2.	<2. U	<2. U	<2. U	<2. U	<2. U	<2. U	<2. U	<2. U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
TETRACHLOROETHYLENE	ug/l	T	5		^13.	^11.	4. J	^12.	^8.	^9.	^8.	^11.	^8.	^10.	^7.	^19.	^20.	^12.	^10	^13	^13	^8	^8	^6
TOLUENE	ug/l	T	790		<2.	<2.	<2.	<1.	<1.	<1.	<1. U	<1. U	<1. U	<1. U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U	<0.7 U
TRANS-1,2-DICHLOROETHENE	ug/l	T	100		<2.	<2.	<2.	<1.	<1.	<1.	<1. U	<1. U	<1. U	<1. U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U	<0.8 U
TRANS-1,3-DICHLOROPROPENE	ug/l	T	35																					
TRICHLOROETHENE	ug/l	T	5		<1.	<1.	<1.	<1.	<1.	<1.	<1. U	<1. U	<1. U	<1. U	<1. U	<1. U	<1. U	<1. U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
TRICHLOROFLUOROMETHANE	ug/l	T	7300		<2.	<2.	<2.	<2.	<2.	<2.	<2. U	<2. U	<2. U	<2. U	<2. U	<2. U	<2. U	<2. U	<2 U	<2 U	<2 U	<2 U	<2 U	<2 U
VINYL CHLORIDE	ug/l	T	2																					
XYLENES	ug/l	T	280																					
1,2,4-TRICHLOROBENZENE	ug/l	T	70																					
1,2-DIPHENYLHYDRAZINE	ug/l	T																						
2,4,6-TRICHLOROPHENOL	ug/l	T	470																					
2,4-DICHLOROPHENOL	ug/l	T	210																					
2,4-DIMETHYLPHENOL	ug/l	T	1000																					
2,4-DINITROPHENOL	ug/l	T																						
2,4-DINITROTOLUENE	ug/l	T	32																					
2,6-DINITROTOLUENE	ug/l	T																						
2-CHLOROPHENOL	ug/l	T	130																					
2-NITROPHENOL	ug/l	T	58																					
3,3'-DICHLOROBENZIDINE	ug/l	T	4.3																					
4,6-DINITRO-2-METHYLPHENOL	ug/l	T	20																					
4-BROMOPHENYL PHENYL ETHER	ug/l	T																						
4-CHLORO-3-METHYLPHENOL	ug/l	T	420																					
4-CHLOROPHENYL PHENYL ETHER	ug/l	T																						
4-NITROPHENOL	ug/l	T																						
ACENAPHTHENE	ug/l	T	3800																					
ACENAPHTHYLENE	ug/l	T	150																					
ANTHRACENE	ug/l	T	43																					
BENZIDINE	ug/l	T	0.3																					
BENZO(A)ANTHRACENE	ug/l	T	8.5																					
BENZO(B)FLUORANTHENE	ug/l	T	1.5																					
BENZO(G,H,I)PERYLENE	ug/l	T	1																					
BENZO(K)FLUORANTHENE	ug/l	T	1																					
BENZO[A]PYRENE	ug/l	T	5																					
BIS(2-CHLORO-1-METHYLETHYL) ETHER	ug/l	T																						
BIS(2-CHLOROETHOXY)METHANE	ug/l	T																						
BIS(2-CHLOROETHYL)ETHER	ug/l	T	8.3																					
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	T	6		<2.	<2.	<2.	<2.	<2.															
BUTYL BENZYL PHTHALATE	ug/l	T	2700																					
CHRYSENE	ug/l	T	1.6																					

Criteria = MDEQ 2 GW Ind and Comm I, II, III DW Crit and RBSLs 12/2004
^ and shaded cells = Concentration above criteria (NDs [^^] assumed to be 50% reporting limit)
< and ND = Non detect at stated reporting limit

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Sample ID	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20	MW-208-20
				Date	9/29/99	12/7/99	3/28/00	7/19/00	9/18/00	3/13/01	6/27/01	9/26/01	12/12/01	3/26/02	6/17/02	9/24/02	12/2/02	3/24/03	6/16/03	9/22/03	12/8/03	4/29/04	10/25/04	5/9/05
				Top (ft)															0	0	0	0	0	0
				Bottom (ft)															0	0	0	0	0	0
				Duplicate #	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
DI-N-BUTYL PHTHALATE	ug/l	T	2500																					
DIBENZ(A,H)ANTHRACENE	ug/l	T	2																					
DIETHYL PHTHALATE	ug/l	T	16000																					
DIMETHYL PHTHALATE	ug/l	T	210000																					
FLUORANTHENE	ug/l	T	210																					
FLUORENE	ug/l	T	2000																					
HEXACHLOROBENZENE	ug/l	T	1																					
HEXACHLOROBUTADIENE	ug/l	T	42																					
HEXACHLOROCYCLOPENTADIENE	ug/l	T	50																					
HEXACHLOROETHANE	ug/l	T	21																					
INDENO (1,2,3-CD) PYRENE	ug/l	T	2																					
ISOPHORONE	ug/l	T	3100																					
N-DIOCTYL PHTHALATE	ug/l	T	380																					
N-NITROSODI-N-PROPYLAMINE	ug/l	T	5																					
N-NITROSODIMETHYLAMINE	ug/l	T																						
N-NITROSODIPHENYLAMINE	ug/l	T	1100																					
NAPHTHALENE	ug/l	T	1500																					
NITROBENZENE	ug/l	T	9.6																					
PCN-2	ug/l	T	5200																					
PENTACHLOROPHENOL	ug/l	T	1																					
PHENANTHRENE	ug/l	T	150																					
PHENOL	ug/l	T	13000																					
PYRENE	ug/l	T	140																					
ANTIMONY	ug/l	D	6		^<25	^<29	^<29																	
ANTIMONY	ug/l	T	6																					
ARSENIC	ug/l	D	10		22	20	20																	
ARSENIC	ug/l	T	10																					
CADMIUM	ug/l	D	5		<.63	<.81	<.81																	
CADMIUM	ug/l	T	5																					
COPPER	ug/l	D	1000		22.5 J	23.5 J	16.3 J																	
COPPER	ug/l	T	1000																					
LEAD	ug/l	D	4		<6.5	<7.9	<7.9																	
LEAD	ug/l	T	4																					
NICKEL	ug/l	D	100		<5.4	<6.6	<6.6																	
NICKEL	ug/l	T	100																					
SILVER	ug/l	D	98		<1.4	<1.7	<1.7																	
SILVER	ug/l	T	98																					
VANADIUM	ug/l	D	62		<2.8	<3.4	<3.4																	
VANADIUM	ug/l	T	62																					
ZINC	ug/l	D	5000		19.5 J	9.0 U	10.2 J																	
ZINC	ug/l	T	5000																					
CHEMICAL OXYGEN DEMAND (COD)	ug/l	T			27000	34500	47500	16900																
CYANIDE	ug/l	T	200		<4.0	<4.0	<4.0																	
TOTAL DISSOLVED SOLIDS	ug/l	T	500000		^742000	^763000	^714000	354000																
COLOR QUALITATIVE (FIELD)	NONE	T												CLEAR	CLEAR	CLEAR								
COLOR QUALITATIVE (FIELD)	NS	T																CLEAR						
DEPTH TO WATER FROM TOC	Feet	T												14.62	14.34	14.46		14.58						
DISSOLVED OXYGEN (FIELD)	ug/l	T												5630	12860	3840		4940						
ODOR (FIELD)	NONE	T												NO	NO	NO								
ODOR (FIELD)	NS	T																NONE						
ODOR (FIELD)	TON	T																						
PH (FIELD)	STD UNITS	T												7.69	8.01	6.4		6.99						
REDOX (FIELD)	MV	T												157.5	173	352		201						
SPECIFIC CONDUCTANCE (FIELD)	UMHOS/CM	T												2340	396	655		717						
TEMPERATURE (FIELD)	DEGREES C	T												7.2	12.2	13.5		11.53						
TURBIDITY QUANTITATIVE (FIELD)	NTU	T												2.3	1.1	-8.6		-1						

Criteria = MDEQ 2 GW Ind and Comm I, II, III DW Crit and RBSLs 12/2004
^ and shaded cells = Concentration above criteria (NDs [^^] assumed to be 50% reporting limit)
< and ND = Non detect at stated reporting limit

Appendix E
Table 3 Cont.
Pierson Creek Landfill Groundwater Results vs. Industrial Drinking Water

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Sample ID Date Top (ft) Bottom (ft) Duplicate #	MW-208-20 10/3/05 0 0 1	MW-208-20 5/1/06 0 0 1	MW-208-80 4/25/94 1	MW-208-80 1/15/97 1	MW-209 4/25/94 1
OVABZONE	NONE	T							
OVABZONE	PPM	T							
OVACASING	NONE	T							
OVACASING	PPM	T							
TOTAL WELL DEPTH	Feet	T							
1,1,1-TRICHLOROETHANE	ug/l	T	200		3 J	<0.8 U	<5	<1.	<5
1,1,2,2-TETRACHLOROETHANE	ug/l	T	35				<5		<5
1,1,2-TRICHLOROETHANE	ug/l	T	5				<5		<5
1,1,2-TRICHLOROTRIFLUOROETHANE	ug/l	T	170000		15	3 J		<2.	
1,1-DICHLOROETHANE	ug/l	T	2500		<1 U	<1 U	<5	<2.	<5
1,1-DICHLOROETHENE	ug/l	T	7				<5		<5
1,2-DICHLOROBENZENE	ug/l	T	600				<10		<10
1,2-DICHLOROETHANE	ug/l	T	5				<5		<5
1,2-DICHLOROETHENE	ug/l	T	70				<5		<5
1,2-DICHLOROPROPANE	ug/l	T	5				<5		<5
1,3-DICHLOROBENZENE	ug/l	T	19				<10		<10
1,4-DICHLOROBENZENE	ug/l	T	75				<10		<10
2-CHLOROETHYL VINYL ETHER	ug/l	T					<10		<10
ACROLEIN	ug/l	T	330				<100		<100
ACRYLONITRILE	ug/l	T	11				^<100		^<100
BENZENE	ug/l	T	5		<0.5 U	<0.5 U	<5	<1.	<5
BROMODICHLOROMETHANE	ug/l	T	80				<5		<5
BROMOFORM	ug/l	T	80				<5		<5
CARBON TETRACHLORIDE	ug/l	T	5		<1 U	<1 U	<5	<1.	<5
CHLOROBENZENE	ug/l	T	100				<5		<5
CHLORODIBROMOMETHANE	ug/l	T	80				<5		<5
CHLOROFORM	ug/l	T	80		2 J	<0.8 U	<5	<1.	<5
CIS-1,2 DICHLOROETHENE	ug/l	T	70		0.8 J	<0.8 U		<2.	
CIS-1,3-DICHLOROPROPENE	ug/l	T	35				<5		<5
DICHLORODIFLUOROMETHANE	ug/l	T	4800		<2 U	<2 U			
ETHYL CHLORIDE	ug/l	T	1700				<10		<10
ETHYLBENZENE	ug/l	T	74				<5		<5
METHYL BROMIDE	ug/l	T	29				<10		<10
METHYL CHLORIDE	ug/l	T	1100				<10		<10
METHYLENE CHLORIDE	ug/l	T	5		<2 U	<2 U	<5	<2.	<5
TETRACHLOROETHYLENE	ug/l	T	5		^11	^6	<5	<1.	<5
TOLUENE	ug/l	T	790		<0.7 U	<0.7 U	<5	<2.	<5
TRANS-1,2-DICHLOROETHENE	ug/l	T	100		<0.8 U	<0.8 U		<2.	
TRANS-1,3-DICHLOROPROPENE	ug/l	T	35				<5		<5
TRICHLOROETHENE	ug/l	T	5		<1 U	<1 U	<5	<1.	<5
TRICHLOROFLUOROMETHANE	ug/l	T	7300		<2 U	<2 U	<5	<2.	<5
VINYL CHLORIDE	ug/l	T	2				^<10		^<10
XYLENES	ug/l	T	280				<5		<5
1,2,4-TRICHLOROBENZENE	ug/l	T	70				<10		<10
1,2-DIPHENYLHYDRAZINE	ug/l	T					<10		<10
2,4,6-TRICHLOROPHENOL	ug/l	T	470				<10		<10
2,4-DICHLOROPHENOL	ug/l	T	210				<10		<10
2,4-DIMETHYLPHENOL	ug/l	T	1000				<10		<10
2,4-DINITROPHENOL	ug/l	T					<25		<25
2,4-DINITROTOLUENE	ug/l	T	32				<10		<10
2,6-DINITROTOLUENE	ug/l	T					<10		<10
2-CHLOROPHENOL	ug/l	T	130				<10		<10
2-NITROPHENOL	ug/l	T	58				<10		<10
3,3'-DICHLOROBENZIDINE	ug/l	T	4.3				^<20		^<20
4,6-DINITRO-2-METHYLPHENOL	ug/l	T	20				<25		<25
4-BROMOPHENYL PHENYL ETHER	ug/l	T					<10		<10
4-CHLORO-3-METHYLPHENOL	ug/l	T	420				<10		<10
4-CHLOROPHENYL PHENYL ETHER	ug/l	T					<10		<10
4-NITROPHENOL	ug/l	T					<25		<25
ACENAPHTHENE	ug/l	T	3800				<10		<10
ACENAPHTHYLENE	ug/l	T	150				<10		<10
ANTHRACENE	ug/l	T	43				<10		<10
BENZIDINE	ug/l	T	0.3				^<50		^<50
BENZO(A)ANTHRACENE	ug/l	T	8.5				<10		<10
BENZO(B)FLUORANTHENE	ug/l	T	1.5				^<10		^<10
BENZO(G,H,I)PERYLENE	ug/l	T	1				^<10		^<10
BENZO(K)FLUORANTHENE	ug/l	T	1				^<10		^<10
BENZO[A]PYRENE	ug/l	T	5				<10		<10
BIS(2-CHLORO-1-METHYLETHYL) ETHER	ug/l	T					<10		<10
BIS(2-CHLOROETHOXY)METHANE	ug/l	T					<10		<10
BIS(2-CHLOROETHYL)ETHER	ug/l	T	8.3				<10		<10
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	T	6				<10	3. J	<10
BUTYL BENZYL PHTHALATE	ug/l	T	2700				<10		<10
CHRYSENE	ug/l	T	1.6				^<10		^<10

Criteria = MDEQ 2 GW Ind and Comm I, II, III DW Crit and RBSLs 12/2004
^ and shaded cells = Concentration above criteria (NDs [^^] assumed to be 50% reporting limit)
< and ND = Non detect at stated reporting limit

Appendix E
Table 3 Cont.
Pierson Creek Landfill Groundwater Results vs. Industrial Drinking Water

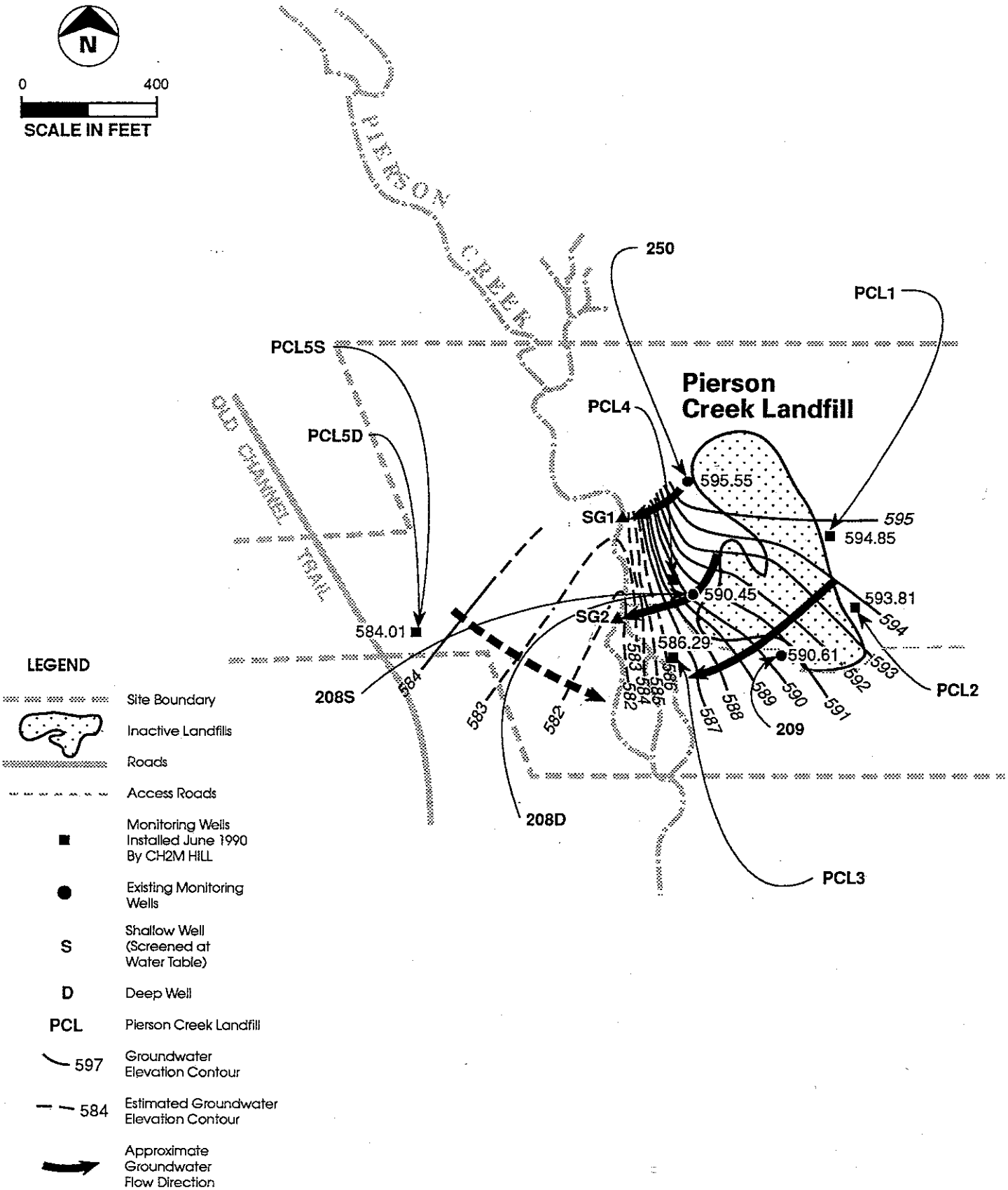
Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Sample ID Date Top (ft) Bottom (ft) Duplicate #	MW-208-20 10/3/05 0 0 1	MW-208-20 5/1/06 0 0 1	MW-208-80 4/25/94 1	MW-208-80 1/15/97 1	MW-209 4/25/94 1
DI-N-BUTYL PHTHALATE	ug/l	T	2500				<10		<10
DIBENZ(A,H)ANTHRACENE	ug/l	T	2				^<10		^<10
DIETHYL PHTHALATE	ug/l	T	16000				<10		<10
DIMETHYL PHTHALATE	ug/l	T	210000				<10		<10
FLUORANTHENE	ug/l	T	210				<10		<10
FLUORENE	ug/l	T	2000				<10		<10
HEXACHLOROBENZENE	ug/l	T	1				^<10		^<10
HEXACHLOROBUTADIENE	ug/l	T	42				<10		<10
HEXACHLOROCYCLOPENTADIENE	ug/l	T	50				<10		<10
HEXACHLOROETHANE	ug/l	T	21				<10		<10
INDENO (1,2,3-CD) PYRENE	ug/l	T	2				^<10		^<10
ISOPHORONE	ug/l	T	3100				<10		<10
N-DIOCTYL PHTHALATE	ug/l	T	380				<10		<10
N-NITROSODI-N-PROPYLAMINE	ug/l	T	5				<10		<10
N-NITROSODIMETHYLAMINE	ug/l	T					<10		<10
N-NITROSODIPHENYLAMINE	ug/l	T	1100				<10		<10
NAPHTHALENE	ug/l	T	1500				<10		<10
NITROBENZENE	ug/l	T	9.6				<10		<10
PCN-2	ug/l	T	5200				<10		<10
PENTACHLOROPHENOL	ug/l	T	1				^<25		^<25
PHENANTHRENE	ug/l	T	150				<10		<10
PHENOL	ug/l	T	13000				<10		<10
PYRENE	ug/l	T	140				<10		<10
ANTIMONY	ug/l	D	6						
ANTIMONY	ug/l	T	6					<3.1	
ARSENIC	ug/l	D	10						
ARSENIC	ug/l	T	10					<2.7	
CADMIUM	ug/l	D	5						
CADMIUM	ug/l	T	5					.83 J	
COPPER	ug/l	D	1000						
COPPER	ug/l	T	1000					5.1 J	
LEAD	ug/l	D	4						
LEAD	ug/l	T	4					^4.8 J	
NICKEL	ug/l	D	100						
NICKEL	ug/l	T	100					<5.4	
SILVER	ug/l	D	98						
SILVER	ug/l	T	98					<.51	
VANADIUM	ug/l	D	62						
VANADIUM	ug/l	T	62					<7.0	
ZINC	ug/l	D	5000						
ZINC	ug/l	T	5000					35	
CHEMICAL OXYGEN DEMAND (COD)	ug/l	T						8100	
CYANIDE	ug/l	T	200					<4.0	
TOTAL DISSOLVED SOLIDS	ug/l	T	500000					144000	
COLOR QUALITATIVE (FIELD)	NONE	T							
COLOR QUALITATIVE (FIELD)	NS	T							
DEPTH TO WATER FROM TOC	Feet	T							
DISSOLVED OXYGEN (FIELD)	ug/l	T							
ODOR (FIELD)	NONE	T							
ODOR (FIELD)	NS	T							
ODOR (FIELD)	TON	T						1	
PH (FIELD)	STD UNITS	T							
REDOX (FIELD)	MV	T							
SPECIFIC CONDUCTANCE (FIELD)	UMHOS/CM	T							
TEMPERATURE (FIELD)	DEGREES C	T							
TURBIDITY QUANTITATIVE (FIELD)	NTU	T							

Criteria = MDEQ 2 GW Ind and Comm I, II, III DW Crit and RBSLs 12/2004
^ and shaded cells = Concentration above criteria (NDs [^^] assumed to be 50% reporting limit)
< and ND = Non detect at stated reporting limit

CH2MHILL DATA PACKAGE

1990 AND 1991 GROUNDWATER ANALYTICAL DATA

PIERSON CREEK LANDFILL



LEGEND

- Site Boundary
- Inactive Landfills
- Roads
- Access Roads
- ■ Monitoring Wells Installed June 1990 By CH2M HILL
- ● Existing Monitoring Wells
- S Shallow Well (Screened at Water Table)
- D Deep Well
- PCL Pierson Creek Landfill
- 597 Groundwater Elevation Contour
- 584 Estimated Groundwater Elevation Contour
- Approximate Groundwater Flow Direction

NOTES:

If well has no "S" or "D" designation, it is a shallow well screened at or near the water table.

All locations are approximate.

Units = µg / l. (S = mg/l)

FIGURE 3-4
Shallow Groundwater Contour Map - October 1991 Pierson Creek Landfill
DuPont Montague Landfill RI Phase II A

CH2M HILL

GLO28406.A6.04 Shallow Oct. 91 Pierson 4-20-92mms

FINAL REPORT

Remedial Investigation of Four Inactive Solid Waste Landfills

at the
DU PONT - MONTAGUE FACILITY
Montague, Michigan

DU PONT
REG U.S. PAT & TM OFF

Volume 2 of 2 - Technical Memorandum

No. 1 Geophysical Investigation
No. 2 Source Area Characterization
No. 3 Additional Groundwater Monitoring
No. 4 Environmental Sampling
No. 5 Data Validation

Prepared For

E.I. DU PONT DE NEMOURS AND CO., INC.

CH2M HILL Milwaukee, WI **January 1991**

DATA VALIDATION FLAGS

Data that do not meet the QA/QC criteria are qualified with flags, single letter abbreviations which indicate a problem with the data. Flags used in the results summary tables and their meaning are:

U Undetected. Analyte was analyzed for but not detected above the reported value.

B Analyte was detected in the sample and in the associated method, field, or trip blank. The quantitation of the analyte is biased high by the presence of the contaminant. The presence of this analyte in the sample may or may not be wholly attributed to the contamination.

J Estimated concentration values. Analyte was present but the reported value may not be accurate or precise because QA/QC measures were outside acceptance limits.

JX Estimated concentration value. The analyte concentration is above the instrument detection limit but below the quantitation limit for the method. For mass spectrometer detection methods the analyte was present but the reported value may not be accurate or precise. For nonmass spectrometer methods the presence of the analyte is not absolute

UJ,L Undetected. Analyte was analyzed for but not detected at the reported limit. The reported value may be biased low. The reported value is expected to be higher.

Laboratory reporting limits are not listed for several Appendix IX acid/base/neutral organic compounds. The dash (-) shown on the tables denotes that there is no analytical reference standard available and the compound is qualitatively searched. "Intermediate" (IND) denotes that reference standards and/or spikes cannot be detected.

GLT122/031.51

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2495		HA2600		HA2601	
SAMPLE POINT		GWPCL-3		GWPCL-4		GWMW208-20	
SAMPLING DATE		900614		900614		900614	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
1,1,1,2-Tetrachloroethane	ug/l	10	U	10	U	10	U
1,1,1-Trichloroethane	ug/l	3.8	U	3.8	U	1.84	JX
1,1,2,2-Tetrachloroethane	ug/l	6.9	U	6.9	U	6.9	U
1,1,2-Trichloroethane	ug/l	5	U	5	U	5	U
1,1-Dichloroethane	ug/l	4.7	U	4.7	U	4.7	U
1,1-Dichloroethylene	ug/l	2.8	U	2.8	U	2.8	U
1,2,3-Trichloropropane	ug/l	10	U	10	U	10	U
1,2-Dibromo-3-chloropropane	ug/l	10	U	10	U	10	U
1,2-Dibromoethane	ug/l	10	U	10	U	10	U
1,2-Dichloroethane	ug/l	2.8	U	2.8	U	2.8	U
1,2-Dichloropropane	ug/l	6	U	6	U	6	U
1,2-Trans-dichloroethylene	ug/l	1.6	U	1.6	U	1.6	U
1,4-Dichloro-2-butene	ug/l	10	U	10	U	10	U
2-Chloro-1,3-butadiene	ug/l	--	U	--	U	--	U
2-Hexanone	ug/l	10	U	10	U	10	U
3-chloropropene	ug/l	10	U	10	U	10	U
Acetone	ug/l	10	U	10	U	10	U
Benzene	ug/l	4.4	U	4.4	U	4.4	U
Bromoform	ug/l	4.7	U	4.7	U	4.7	U
Carbon disulfide	ug/l	10	U	8.09	JX	5.75	JX
Carbon tetrachloride	ug/l	2.8	U	2.8	U	2.8	U
Chlorobenzene	ug/l	6	U	6	U	6	U
Chlorodibromomethane	ug/l	3.1	U	3.1	U	3.1	U
Chloroethane	ug/l	10	U	10	U	10	U
Chloroform	ug/l	1.6	U	1.6	U	6.16	
Dibromomethane	ug/l	--	U	--	U	--	U
Dichlorobromomethane	ug/l	2.2	U	2.2	U	2.2	U
Dichlorodifluoromethane	ug/l	10	U	10	U	10	U
Ethyl methacrylate	ug/l	10	U	10	U	10	U
Ethylbenzene	ug/l	7.2	U	7.2	U	7.2	U
Iodomethane	ug/l	--	IND	--	IND	--	IND
Methyl bromide	ug/l	10	U	10	U	10	U
Methyl chloride	ug/l	10	U	10	U	10	U
Methyl ethyl ketone	ug/l	10	U	10	U	10	U
Methyl methacrylate	ug/l	10	U	10	U	10	U
Methyl-iso-butyl ketone	ug/l	10	U	10	U	10	U
Methylene chloride	ug/l	2.38	JX, B	2.8	U	2.8	U

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2495		HA2600		HA2601	
SAMPLE POINT		GWPCL-3		GWPCL-4		GWMW208-20	
SAMPLING DATE		900614		900614		900614	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
Pentachloroethane	ug/l	--	IND	--	IND	--	IND
Styrene	ug/l	10	U	10	U	10	U
Tetrachloroethylene	ug/l	4.1	U	4.1	U	4.6	
Toluene	ug/l	1.2	JX	6	U	6	U
Trichloroethylene	ug/l	1.9	U	1.9	U	1.9	U
Trichlorofluoromethane	ug/l	10	U	10	U	10	U
Vinyl acetate	ug/l	10	U	10	U	10	U
Vinyl chloride	ug/l	10	U	10	U	10	U
cis-1,3-Dichloropropylene	ug/l	5	U	5	U	5	U
m-Xylene	ug/l	10	U	10	U	10	U
o+p-Xylenes	ug/l	10	U	10	U	10	U
trans-1,3-Dichloropropylene	ug/l	10	U	10	U	10	U
Acrolein	ug/l	100	U	100	U	100	U
Acrylonitrile	ug/l	100	U	100	U	100	U
1,2,4,5-Tetrachlorobenzene	ug/l	11	U	10	U	10	U
1,2,4-Trichlorobenzene	ug/l	0.435	JX	1.9	U	1.9	U
1,2-Dichlorobenzene	ug/l	2	U	1.9	U	1.9	U
1,3-Dichlorobenzene	ug/l	2	U	1.9	U	1.9	U
1,4-Dichlorobenzene	ug/l	4.6	U	4.5	U	4.5	U
1,4-Naphthoquinone	ug/l	11	U	10	U	10	U
1-Naphthylamine	ug/l	11	U	10	U	10	U
2,3,4,6-Tetrachlorophenol	ug/l	11	U	10	U	10	U
2,4,5-Trichlorophenol	ug/l	11	U	10	U	10	U
2,4,6-Trichlorophenol	ug/l	2.8	U	2.8	U	2.8	U
2,4-Dichlorophenol	ug/l	2.8	U	2.8	U	2.8	U
2,4-Dimethylphenol	ug/l	2.8	U	2.8	U	2.8	U
2,4-Dinitrophenol	ug/l	44	U	43	U	43	U
2,4-Dinitrotoluene	ug/l	6	U	5.8	U	5.8	U
2,6-Dichlorophenol	ug/l	11	U	10	U	10	U
2,6-Dinitrotoluene	ug/l	2	U	1.9	U	1.9	U
2-Acetylaminofluorene	ug/l	11	U	10	U	10	U
2-Chloronaphthalene	ug/l	2	U	1.9	U	1.9	U
2-Chlorophenol	ug/l	3.5	U	3.4	U	3.4	U
2-Methylnaphthalene	ug/l	11	U	10	U	10	U
2-Naphthylamine	ug/l	11	U	10	U	10	U
2-Nitrophenol	ug/l	3.8	U	3.7	U	3.7	U
2-Picoline	ug/l	11	U	10	U	10	U

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2495		HA2600		HA2601	
SAMPLE POINT		GWPCL-3		GWPCL-4		GWMW208-20	
SAMPLING DATE		900614		900614		900614	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
2-sec-Butyl-4,6-dinitrophenol	ug/l	11	U	10	U	10	U
3,3'-Dichlorobenzidine	ug/l	17.4	U	16.8	U	16.8	U
3,3'-Dimethylbenzidine	ug/l	11	U	10	U	10	U
3-Methylcholanthrene	ug/l	11	U	10	U	10	U
4,6-Dinitro-o-cresol	ug/l	25	U	24	U	24	U
4-Aminobiphenyl	ug/l	11	U	10	U	10	U
4-Bromophenyl phenyl ether	ug/l	2	U	1.9	U	1.9	U
4-Chlorophenyl phenyl ether	ug/l	4.4	U	4.3	U	4.3	U
4-Nitrophenol	ug/l	2.5	U	2.4	U	2.4	U
4-Nitroquinoline-N-oxide	ug/l	--	IND	--	IND	--	IND
5-Nitro-o-toluidine	ug/l	11	U	10	U	10	U
7,12-Dimethylbenzo(a)anthracen	ug/l	11	U	10	U	10	U
Acenaphthene	ug/l	0.377	JX	1.9	U	1.9	U
Acenaphthylene	ug/l	3.7	U	3.6	U	3.6	U
Acetophenone	ug/l	11	U	10	U	10	U
Aniline	ug/l	11	U	10	U	10	U
Anthracene	ug/l	0.308	JX	1.9	U	1.9	U
Aramite	ug/l	--	IND	--	IND	--	IND
Benzo(a)anthracene	ug/l	0.452	JX	8	U	8	U
Benzo(a)pyrene	ug/l	2.6	U	2.6	U	2.6	U
Benzo(b)fluoranthene	ug/l	5.1	U	4.9	U	4.9	U
Benzo(ghi)perylene	ug/l	4.3	U	4.2	U	4.2	U
Benzo(k)fluoranthene	ug/l	2.6	U	2.6	U	2.6	U
Benzyl alcohol	ug/l	11	U	10	U	10	U
Butyl benzyl phthalate	ug/l	0.844	JX	10	U	10	U
Chrysene	ug/l	0.422	JX	2.6	U	2.6	U
Di-n-butyl phthalate	ug/l	3.16	JX	2.12	JX	2.63	JX
Di-n-octyl phthalate	ug/l	54.7		3.32	JX	10	U
Diallate	ug/l	11	U	10	U	10	U
Dibenzo(a,h)anthracene	ug/l	2.6	U	2.6	U	2.6	U
Dibenzofuran	ug/l	0.348	JX	10	U	10	U
Diethyl phthalate	ug/l	11	U	10	U	10	U
Dimethyl phthalate	ug/l	11	U	10	U	10	U
Diphenylamine	ug/l	11	U	10	U	10	U
Ethyl methanesulfonate	ug/l	11	U	10	U	10	U
Fluoranthene	ug/l	0.418	JX	2.2	U	2.2	U
Fluorene	ug/l	0.367	JX	1.9	U	1.9	U

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2495		HA2600		HA2601	
SAMPLE POINT		GWPCL-3		GWPCL-4		GWMW208-20	
SAMPLING DATE		900614		900614		900614	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
Hexachlorobenzene	ug/l	2	U	1.9	U	1.9	U
Hexachlorobutadiene	ug/l	0.95	U	0.92	U	0.92	U
Hexachlorocyclopentadiene	ug/l	11	U	10	U	10	U
Hexachloroethane	ug/l	1.7	U	1.6	U	1.6	U
Hexachlorophene	ug/l	11	U	10	U	10	U
Hexachloropropene	ug/l	11	U	10	U	10	U
Indeno(1,2,3-c,d)pyrene	ug/l	3.9	U	3.8	U	3.8	U
Isodrin	ug/l	6.2	U	6	U	6	U
Isophorone	ug/l	2.3	U	2.2	U	2.2	U
Isosafrole	ug/l	11	U	10	U	10	U
Methapyrilene	ug/l	--	IND	--	IND	--	IND
Methyl methanesulfonate	ug/l	11	U	10	U	10	U
N-Nitrosodi-n-butylamine	ug/l	11	U	10	U	10	U
N-Nitrosodi-n-propylamine	ug/l	11	U	10	U	10	U
N-Nitrosodiethylamine	ug/l	11	U	10	U	10	U
N-Nitrosodimethylamine	ug/l	11	U	10	U	10	U
N-Nitrosodiphenylamine	ug/l	2	U	1.9	U	1.9	U
N-Nitrosomethylethylamine	ug/l	11	U	10	U	10	U
N-Nitrosomorpholine	ug/l	11	U	10	U	10	U
N-Nitrosopiperidine	ug/l	11	U	10	U	10	U
N-Nitrosopyrrolidine	ug/l	--	IND	--	IND	--	IND
Naphthalene	ug/l	0.357	JX	1.6	U	1.6	U
Nitrobenzene	ug/l	2	U	1.9	U	1.9	U
O,O,O-Triethyl phosphorothioat	ug/l	--	IND	--	IND	--	IND
Pentachlorobenzene	ug/l	11	U	10	U	10	U
Pentachloronitrobenzene	ug/l	--	IND	--	IND	--	IND
Pentachlorophenol	ug/l	3.8	U	3.7	U	3.7	U
Phenacetin	ug/l	11	U	10	U	10	U
Phenanthrene	ug/l	0.443	JX	5.5	U	5.5	U
Phenol	ug/l	1.6	U	1.5	U	1.5	U
Pronamide	ug/l	11	U	10	U	10	U
Pyrene	ug/l	0.405	JX	1.9	U	1.9	U
Pyridine	ug/l	11	U	10	U	10	U
Safrole	ug/l	11	U	10	U	10	U
Tetraethyldithiopyrophosphate	ug/l	--	U	--	U	--	U
a-a-Dimethylphenethylamine	ug/l	--	U	--	U	--	U
bis(2-Chloroethoxy)methane	ug/l	5.6	U	5.4	U	5.4	U

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2495		HA2600		HA2601	
SAMPLE POINT		GWPCL-3		GWPCL-4		GWMW208-20	
SAMPLING DATE		900614		900614		900614	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
bis(2-Chloroethyl) ether	ug/l	6	U	5.8	U	5.8	U
bis(2-Chloroisopropyl)ether	ug/l	6	U	5.8	U	5.8	U
bis(2-Ethylhexyl)phthalate	ug/l	6.94	JX	144		10	U
m+p-Cresols	ug/l	11	U	10	U	10	U
m-Dinitrobenzene	ug/l	11	U	10	U	10	U
m-Nitroaniline	ug/l	11	U	10	U	10	U
o-Cresol	ug/l	11	U	10	U	10	U
o-Nitroaniline	ug/l	11	U	10	U	10	U
o-Toluidine	ug/l	11	U	10	U	10	U
p-Chloro-m-cresol	ug/l	3.2	U	3.1	U	3.1	U
p-Chloroaniline	ug/l	11	U	10	U	10	U
p-Dimethylaminoazobenzene	ug/l	11	U	10	U	10	U
p-Nitroaniline	ug/l	11	U	10	U	10	U
p-phenylenediamine	ug/l	--	IND	--	IND	--	IND
sym-Trinitrobenzene	ug/l	--	IND	--	IND	--	IND
Antimony	ug/l	60	U	60	U	60	U
Arsenic	ug/l	10	U	10	U	30	
Barium	ug/l	9.7	JX	7	JX	25	
Beryllium	ug/l	1	U	1	U	1	U
Cadmium	ug/l	2	U	2	U	2	U
Chromium	ug/l	10	U	10	U	10	U
Cobalt	ug/l	20	U	20	U	20	U
Copper	ug/l	10	U	10	U	18	
Lead	ug/l	1.4	JX	2	JX	2.5	JX
Mercury	ug/l	0.2	U	0.2	U	0.2	U
Nickel	ug/l	20	U	20	U	20	U
Selenium	ug/l	5	U	5	U	5	U
Silver	ug/l	10	U	10	U	10	U
Thallium	ug/l	10	U	10	U	10	U
Tin	ug/l	50	U	50	U	45	JX
Vanadium	ug/l	20	U	20	U	7	JX
Zinc	ug/l	16	JX, B	24	B	29	B
Cyanide, Total	ug/l	10	U	10	U	10	U
Sulfide as S	mg/l	0.26		0.05	U	0.05	U

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2599		HA2602		HA2603	
SAMPLE POINT		GWMW250-60		GWPCL-1		GWPCL-1FR	
SAMPLING DATE		900614		900615		900615	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
1,1,1,2-Tetrachloroethane	ug/l	20	U	10	U	10	U
1,1,1-Trichloroethane	ug/l	1.54	JX	3.8	U	3.8	U
1,1,2,2-Tetrachloroethane	ug/l	14	U	6.9	U	6.9	U
1,1,2-Trichloroethane	ug/l	10	U	5	U	5	U
1,1-Dichloroethane	ug/l	9.4	U	4.7	U	4.7	U
1,1-Dichloroethylene	ug/l	5.6	U	2.8	U	2.8	U
1,2,3-Trichloropropane	ug/l	20	U	10	U	10	U
1,2-Dibromo-3-chloropropane	ug/l	20	U	10	U	10	U
1,2-Dibromoethane	ug/l	20	U	10	U	10	U
1,2-Dichloroethane	ug/l	5.6	U	2.8	U	2.8	U
1,2-Dichloropropane	ug/l	12	U	6	U	6	U
1,2-Trans-dichloroethylene	ug/l	3.2	U	1.6	U	1.6	U
1,4-Dichloro-2-butene	ug/l	20	U	10	U	10	U
2-Chloro-1,3-butadiene	ug/l	--	U	--	U	--	U
2-Hexanone	ug/l	20	U	10	U	10	U
3-chloropropene	ug/l	20	U	10	U	10	U
Acetone	ug/l	20	U	10	U	10	U
Benzene	ug/l	8.8	U	4.4	U	4.4	U
Bromoform	ug/l	9.4	U	4.7	U	4.7	U
Carbon disulfide	ug/l	20	U	10	U	10	U
Carbon tetrachloride	ug/l	5.6	U	2.8	U	2.8	U
Chlorobenzene	ug/l	12	U	6	U	6	U
Chlorodibromomethane	ug/l	6.2	U	3.1	U	3.1	U
Chloroethane	ug/l	20	U	10	U	10	U
Chloroform	ug/l	3.2	U	1.6	U	1.6	U
Dibromomethane	ug/l	--	U	--	U	--	U
Dichlorobromomethane	ug/l	4.4	U	2.2	U	2.2	U
Dichlorodifluoromethane	ug/l	20	U	10	U	10	U
Ethyl methacrylate	ug/l	20	U	10	U	10	U
Ethylbenzene	ug/l	14	U	7.2	U	1.52	JX
Iodomethane	ug/l	--	IND	--	IND	--	IND
Methyl bromide	ug/l	20	U	10	U	10	U
Methyl chloride	ug/l	20	U	10	U	10	U
Methyl ethyl ketone	ug/l	20	U	10	U	10	U
Methyl methacrylate	ug/l	20	U	10	U	10	U
Methyl-iso-butyl ketone	ug/l	20	U	10	U	10	U
Methylene chloride	ug/l	5.8	B	2.8	U	2.8	U

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2599		HA2602		HA2603	
SAMPLE POINT		GWMW250-60		GWPCL-1		GWPCL-1FR	
SAMPLING DATE		900614		900615		900615	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
Pentachloroethane	ug/l	--	IND	--	IND	--	IND
Styrene	ug/l	20	U	10	U	10	U
Tetrachloroethylene	ug/l	183		4.1	U	4.1	U
Toluene	ug/l	12	U	44.2		39.8	
Trichloroethylene	ug/l	7.81		1.9	U	1.9	U
Trichlorofluoromethane	ug/l	20	U	10	U	10	U
Vinyl acetate	ug/l	20	U	10	U	10	U
Vinyl chloride	ug/l	20	U	10	U	10	U
cis-1,3-Dichloropropylene	ug/l	10	U	5	U	5	U
m-Xylene	ug/l	20	U	10	U	3.85	JX
o+p-Xylenes	ug/l	20	U	10	U	4.61	JX
trans-1,3-Dichloropropylene	ug/l	20	U	10	U	10	U
Acrolein	ug/l	200	U	100	U	100	U
Acrylonitrile	ug/l	200	U	100	U	100	U
1,2,4,5-Tetrachlorobenzene	ug/l	10	U	10	U	10	U
1,2,4-Trichlorobenzene	ug/l	1.9	U	1.9	U	1.9	U
1,2-Dichlorobenzene	ug/l	1.9	U	1.9	U	1.9	U
1,3-Dichlorobenzene	ug/l	1.9	U	1.9	U	1.9	U
1,4-Dichlorobenzene	ug/l	4.5	U	4.5	U	4.5	U
1,4-Naphthoquinone	ug/l	10	U	10	U	10	U
1-Naphthylamine	ug/l	10	U	10	U	10	U
2,3,4,6-Tetrachlorophenol	ug/l	10	U	10	U	10	U
2,4,5-Trichlorophenol	ug/l	10	U	10	U	10	U
2,4,6-Trichlorophenol	ug/l	2.8	U	2.8	U	2.8	U
2,4-Dichlorophenol	ug/l	2.8	U	2.8	U	2.8	U
2,4-Dimethylphenol	ug/l	2.8	U	2.8	U	2.8	U
2,4-Dinitrophenol	ug/l	43	U	43	U	43	U
2,4-Dinitrotoluene	ug/l	5.8	U	5.8	U	5.8	U
2,6-Dichlorophenol	ug/l	10	U	10	U	10	U
2,6-Dinitrotoluene	ug/l	1.9	U	1.9	U	1.9	U
2-Acetylaminofluorene	ug/l	10	U	10	U	10	U
2-Chloronaphthalene	ug/l	1.9	U	1.9	U	1.9	U
2-Chlorophenol	ug/l	3.4	U	3.4	U	3.4	U
2-Methylnaphthalene	ug/l	10	U	10	U	10	U
2-Naphthylamine	ug/l	10	U	10	U	10	U
2-Nitrophenol	ug/l	3.7	U	3.7	U	3.7	U
2-Picoline	ug/l	10	U	10	U	10	U

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2599		HA2602		HA2603	
SAMPLE POINT		GWMW250-60		GWPCL-1		GWPCL-1FR	
SAMPLING DATE		900614		900615		900615	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
2-sec-Butyl-4,6-dinitrophenol	ug/l	10	U	10	U	10	U
3,3'-Dichlorobenzidine	ug/l	16.8	U	16.8	U	16.8	U
3,3'-Dimethylbenzidine	ug/l	10	U	10	U	10	U
3-Methylcholanthrene	ug/l	10	U	10	U	10	U
4,6-Dinitro-o-cresol	ug/l	24	U	24	U	24	U
4-Aminobiphenyl	ug/l	10	U	10	U	10	U
4-Bromophenyl phenyl ether	ug/l	1.9	U	1.9	U	1.9	U
4-Chlorophenyl phenyl ether	ug/l	4.3	U	4.3	U	4.3	U
4-Nitrophenol	ug/l	2.4	U	2.4	U	2.4	U
4-Nitroquinoline-N-oxide	ug/l	--	IND	--	IND	--	IND
5-Nitro-o-toluidine	ug/l	10	U	10	U	10	U
7,12-Dimethylbenzo(a)anthracen	ug/l	10	U	10	U	10	U
Acenaphthene	ug/l	1.9	U	1.9	U	1.9	U
Acenaphthylene	ug/l	3.6	U	3.6	U	3.6	U
Acetophenone	ug/l	10	U	10	U	10	U
Aniline	ug/l	10	U	10	U	10	U
Anthracene	ug/l	1.9	U	1.9	U	1.9	U
Aramite	ug/l	--	IND	--	IND	--	IND
Benzo(a)anthracene	ug/l	8	U	8	U	8	U
Benzo(a)pyrene	ug/l	2.6	U	2.6	U	2.6	U
Benzo(b)fluoranthene	ug/l	4.9	U	4.9	U	4.9	U
Benzo(ghi)perylene	ug/l	4.2	U	4.2	U	4.2	U
Benzo(k)fluoranthene	ug/l	2.6	U	2.6	U	2.6	U
Benzyl alcohol	ug/l	10	U	10	U	10	U
Butyl benzyl phthalate	ug/l	10	U	10	U	10	U
Chrysene	ug/l	2.6	U	2.6	U	2.6	U
Di-n-butyl phthalate	ug/l	1.69	JX	1.6	JX	1.43	JX
Di-n-octyl phthalate	ug/l	10	U	10	U	10	U
Diallate	ug/l	10	U	10	U	10	U
Dibenzo(a,h)anthracene	ug/l	2.6	U	2.6	U	2.6	U
Dibenzofuran	ug/l	10	U	10	U	10	U
Diethyl phthalate	ug/l	10	U	10	U	10	U
Dimethyl phthalate	ug/l	10	U	10	U	10	U
Diphenylamine	ug/l	10	U	10	U	10	U
Ethyl methanesulfonate	ug/l	10	U	10	U	10	U
Fluoranthene	ug/l	2.2	U	2.2	U	2.2	U
Fluorene	ug/l	1.9	U	1.9	U	1.9	U

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2599		HA2602		HA2603	
SAMPLE POINT		GWMW250-60		GWPCL-1		GWPCL-1FR	
SAMPLING DATE		900614		900615		900615	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
Hexachlorobenzene	ug/l	1.9	U	1.9	U	1.9	U
Hexachlorobutadiene	ug/l	0.92	U	0.92	U	0.92	U
Hexachlorocyclopentadiene	ug/l	10	U	10	U	10	U
Hexachloroethane	ug/l	1.6	U	1.6	U	1.6	U
Hexachlorophene	ug/l	10	U	10	U	10	U
Hexachloropropene	ug/l	10	U	10	U	10	U
Indeno(1,2,3-c,d)pyrene	ug/l	3.8	U	3.8	U	3.8	U
Isodrin	ug/l	6	U	6	U	6	U
Isophorone	ug/l	2.2	U	2.2	U	2.2	U
Isosafrole	ug/l	10	U	10	U	10	U
Methapyrilene	ug/l	--	IND	--	IND	--	IND
Methyl methanesulfonate	ug/l	10	U	10	U	10	U
N-Nitrosodi-n-butylamine	ug/l	10	U	10	U	10	U
N-Nitrosodi-n-propylamine	ug/l	10	U	10	U	10	U
N-Nitrosodiethylamine	ug/l	10	U	10	U	10	U
N-Nitrosodimethylamine	ug/l	10	U	10	U	10	U
N-Nitrosodiphenylamine	ug/l	1.9	U	1.9	U	1.9	U
N-Nitrosomethylethylamine	ug/l	10	U	10	U	10	U
N-Nitrosomorpholine	ug/l	10	U	10	U	10	U
N-Nitrosopiperidine	ug/l	10	U	10	U	10	U
N-Nitrosopyrrolidine	ug/l	--	IND	--	IND	--	IND
Naphthalene	ug/l	1.6	U	1.6	U	1.6	U
Nitrobenzene	ug/l	1.9	U	1.9	U	1.9	U
O,O,O-Triethyl phosphorothioat	ug/l	--	IND	--	IND	--	IND
Pentachlorobenzene	ug/l	10	U	10	U	10	U
Pentachloronitrobenzene	ug/l	--	IND	--	IND	--	IND
Pentachlorophenol	ug/l	3.7	U	3.7	U	3.7	U
Phenacetin	ug/l	10	U	10	U	10	U
Phenanthrene	ug/l	5.5	U	5.5	U	5.5	U
Phenol	ug/l	1.5	U	1.5	U	1.5	U
Pronamide	ug/l	10	U	10	U	10	U
Pyrene	ug/l	1.9	U	1.9	U	1.9	U
Pyridine	ug/l	10	U	10	U	10	U
Safrole	ug/l	10	U	10	U	10	U
Tetraethyldithiopyrophosphate	ug/l	--	U	--	U	--	U
a-a-Dimethylphenethylamine	ug/l	--	U	--	U	--	U
bis(2-Chloroethoxy)methane	ug/l	5.4	U	5.4	U	5.4	U

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2599		HA2602		HA2603	
SAMPLE POINT		GWMW250-60		GWPCL-1		GWPCL-1FR	
SAMPLING DATE		900614		900615		900615	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
bis(2-Chloroethyl) ether	ug/l	5.8	U	5.8	U	5.8	U
bis(2-Chloroisopropyl)ether	ug/l	5.8	U	5.8	U	5.8	U
bis(2-Ethylhexyl)phthalate	ug/l	0.535	JX	1.7	JX	10	U
m+p-Cresols	ug/l	10	U	10	U	10	U
m-Dinitrobenzene	ug/l	10	U	10	U	10	U
m-Nitroaniline	ug/l	10	U	10	U	10	U
o-Cresol	ug/l	10	U	0.782	JX	10	U
o-Nitroaniline	ug/l	10	U	10	U	10	U
o-Toluidine	ug/l	10	U	10	U	10	U
p-Chloro-m-cresol	ug/l	3.1	U	3.1	U	3.1	U
p-Chloroaniline	ug/l	10	U	10	U	10	U
p-Dimethylaminoazobenzene	ug/l	10	U	10	U	10	U
p-Nitroaniline	ug/l	10	U	10	U	10	U
p-phenylenediamine	ug/l	--	IND	--	IND	--	IND
sym-Trinitrobenzene	ug/l	--	IND	--	IND	--	IND
Antimony	ug/l	60	U	60	U	60	U
Arsenic	ug/l	6.8	JX	10	U	10	U
Barium	ug/l	24		10	JX	9.6	JX
Beryllium	ug/l	1	U	1	U	1	U
Cadmium	ug/l	2	U	2	U	2	U
Chromium	ug/l	2.3	JX	2	JX	10	U
Cobalt	ug/l	20	U	20	U	20	U
Copper	ug/l	8.2	JX	10	U	10	U
Lead	ug/l	1.6	JX	1.8	JX	1.8	JX
Mercury	ug/l	0.2	U	0.2	U	0.2	U
Nickel	ug/l	20	U	20	U	20	U
Selenium	ug/l	5	U	5	U	5	U
Silver	ug/l	10	U	10	U	10	U
Thallium	ug/l	10	U	10	U	10	U
Tin	ug/l	63		11	JX	50	U
Vanadium	ug/l	9.9	JX	20	U	20	U
Zinc	ug/l	34	B	19	JX, B	9.5	JX, B
Cyanide, Total	ug/l	10	U	10	U	10	U
Sulfide as S	mg/l	0.19		0.16		0.14	

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2598		HA2682		HA2683	
SAMPLE POINT		GWPCL-2		GWPCL-5D		GWPCL-5S	
SAMPLING DATE		900615		900615		900615	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
1,1,1,2-Tetrachloroethane	ug/l	10	U	10	U	10	U
1,1,1-Trichloroethane	ug/l	3.8	U	3.8	U	3.8	U
1,1,2,2-Tetrachloroethane	ug/l	6.9	U	6.9	U	6.9	U
1,1,2-Trichloroethane	ug/l	5	U	5	U	5	U
1,1-Dichloroethane	ug/l	4.7	U	4.7	U	4.7	U
1,1-Dichloroethylene	ug/l	2.8	U	2.8	U	2.8	U
1,2,3-Trichloropropane	ug/l	10	U	10	U	10	U
1,2-Dibromo-3-chloropropane	ug/l	10	U	10	U	10	U
1,2-Dibromoethane	ug/l	10	U	10	U	10	U
1,2-Dichloroethane	ug/l	2.8	U	2.8	U	2.8	U
1,2-Dichloropropane	ug/l	6	U	6	U	6	U
1,2-Trans-dichloroethylene	ug/l	1.6	U	1.6	U	1.6	U
1,4-Dichloro-2-butene	ug/l	10	U	10	U	10	U
2-Chloro-1,3-butadiene	ug/l	--	U	--	U	--	U
2-Hexanone	ug/l	10	U	10	U	10	U
3-chloropropene	ug/l	10	U	10	U	10	U
Acetone	ug/l	10	U	10	U	10	U
Benzene	ug/l	4.4	U	4.4	U	4.4	U
Bromoform	ug/l	4.7	U	4.7	U	4.7	U
Carbon disulfide	ug/l	10	U	3.09	JX	10	U
Carbon tetrachloride	ug/l	2.8	U	2.8	U	2.8	U
Chlorobenzene	ug/l	6	U	6	U	6	U
Chlorodibromomethane	ug/l	3.1	U	3.1	U	3.1	U
Chloroethane	ug/l	10	U	10	U	10	U
Chloroform	ug/l	1.6	U	1.6	U	1.6	U
Dibromomethane	ug/l	--	U	--	U	--	U
Dichlorobromomethane	ug/l	2.2	U	2.2	U	2.2	U
Dichlorodifluoromethane	ug/l	10	U	10	U	10	U
Ethyl methacrylate	ug/l	10	U	10	U	10	U
Ethylbenzene	ug/l	7.2	U	7.2	U	7.2	U
Iodomethane	ug/l	--	IND	--	IND	--	IND
Methyl bromide	ug/l	10	U	10	U	10	U
Methyl chloride	ug/l	10	U	10	U	10	U
Methyl ethyl ketone	ug/l	10	U	10	U	10	U
Methyl methacrylate	ug/l	10	U	10	U	10	U
Methyl-iso-butyl ketone	ug/l	10	U	10	U	10	U
Methylene chloride	ug/l	2.8	U	2.8	U	2.8	U

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2598		HA2682		HA2683	
SAMPLE POINT		GWPCL-2		GWPCL-5D		GWPCL-5S	
SAMPLING DATE		900615		900615		900615	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
Pentachloroethane	ug/l	--	IND	--	IND	--	IND
Styrene	ug/l	10	U	10	U	10	U
Tetrachloroethylene	ug/l	4.1	U	4.1	U	4.1	U
Toluene	ug/l	7.2		60.4		10.2	
Trichloroethylene	ug/l	1.9	U	1.9	U	1.9	U
Trichlorofluoromethane	ug/l	10	U	10	U	10	U
Vinyl acetate	ug/l	10	U	10	U	10	U
Vinyl chloride	ug/l	10	U	10	U	10	U
cis-1,3-Dichloropropylene	ug/l	5	U	5	U	5	U
m-Xylene	ug/l	3.18	JX	1.65	JX	10	U
o+p-Xylenes	ug/l	3.57	JX	1.78	JX	10	U
trans-1,3-Dichloropropylene	ug/l	10	U	10	U	10	U
Acrolein	ug/l	100	U	100	U	100	U
Acrylonitrile	ug/l	100	U	100	U	100	U
1,2,4,5-Tetrachlorobenzene	ug/l	11	U	10	U	10	U
1,2,4-Trichlorobenzene	ug/l	2	U	1.9	U	1.9	U
1,2-Dichlorobenzene	ug/l	2	U	1.9	U	1.9	U
1,3-Dichlorobenzene	ug/l	2	U	1.9	U	1.9	U
1,4-Dichlorobenzene	ug/l	4.6	U	4.5	U	4.5	U
1,4-Naphthoquinone	ug/l	11	U	10	U	10	U
1-Naphthylamine	ug/l	11	U	10	U	10	U
2,3,4,6-Tetrachlorophenol	ug/l	11	U	10	U	10	U
2,4,5-Trichlorophenol	ug/l	11	U	10	U	10	U
2,4,6-Trichlorophenol	ug/l	2.8	U	2.8	U	2.8	U
2,4-Dichlorophenol	ug/l	2.8	U	2.8	U	2.8	U
2,4-Dimethylphenol	ug/l	2.8	U	2.8	U	2.8	U
2,4-Dinitrophenol	ug/l	44	U	43	U	43	U
2,4-Dinitrotoluene	ug/l	6	U	5.8	U	5.8	U
2,6-Dichlorophenol	ug/l	11	U	10	U	10	U
2,6-Dinitrotoluene	ug/l	2	U	1.9	U	1.9	U
2-Acetylaminofluorene	ug/l	11	U	10	U	10	U
2-Chloronaphthalene	ug/l	2	U	1.9	U	1.9	U
2-Chlorophenol	ug/l	3.5	U	3.4	U	3.4	U
2-Methylnaphthalene	ug/l	11	U	10	U	10	U
2-Naphthylamine	ug/l	11	U	10	U	10	U
2-Nitrophenol	ug/l	3.8	U	3.7	U	3.7	U
2-Picoline	ug/l	11	U	10	U	10	U

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2598		HA2682		HA2683	
SAMPLE POINT		GWPCL-2		GWPCL-5D		GWPCL-5S	
SAMPLING DATE		900615		900615		900615	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
2-sec-Butyl-4,6-dinitrophenol	ug/l	11	U	10	U	10	U
3,3'-Dichlorobenzidine	ug/l	17.4	U	16.8	U	16.8	U
3,3'-Dimethylbenzidine	ug/l	11	U	10	U	10	U
3-Methylcholanthrene	ug/l	11	U	10	U	10	U
4,6-Dinitro-o-cresol	ug/l	25	U	24	U	24	U
4-Aminobiphenyl	ug/l	11	U	10	U	10	U
4-Bromophenyl phenyl ether	ug/l	2	U	1.9	U	1.9	U
4-Chlorophenyl phenyl ether	ug/l	4.4	U	4.3	U	4.3	U
4-Nitrophenol	ug/l	2.5	U	2.4	U	2.4	U
4-Nitroquinoline-N-oxide	ug/l	--	IND	--	IND	--	IND
5-Nitro-o-toluidine	ug/l	11	U	10	U	10	U
7,12-Dimethylbenzo(a)anthracen	ug/l	11	U	10	U	10	U
Acenaphthene	ug/l	2	U	1.9	U	1.9	U
Acenaphthylene	ug/l	3.7	U	3.6	U	3.6	U
Acetophenone	ug/l	11	U	10	U	10	U
Aniline	ug/l	11	U	10	U	10	U
Anthracene	ug/l	2	U	1.9	U	1.9	U
Aramite	ug/l	--	IND	--	IND	--	IND
Benzo(a)anthracene	ug/l	8.2	U	8	U	8	U
Benzo(a)pyrene	ug/l	2.6	U	2.6	U	2.6	U
Benzo(b)fluoranthene	ug/l	5.1	U	4.9	U	4.9	U
Benzo(ghi)perylene	ug/l	4.3	U	4.2	U	4.2	U
Benzo(k)fluoranthene	ug/l	2.6	U	2.6	U	2.6	U
Benzyl alcohol	ug/l	11	U	10	U	10	U
Butyl benzyl phthalate	ug/l	11	U	10	U	10	U
Chrysene	ug/l	2.6	U	2.6	U	2.6	U
Di-n-butyl phthalate	ug/l	1.84	JX	0.984	JX	2.34	JX
Di-n-octyl phthalate	ug/l	11	U	0.422	JX	10	U
Diallate	ug/l	11	U	10	U	10	U
Dibenzo(a,h)anthracene	ug/l	2.6	U	2.6	U	2.6	U
Dibenzofuran	ug/l	11	U	10	U	10	U
Diethyl phthalate	ug/l	11	U	10	U	10	U
Dimethyl phthalate	ug/l	11	U	10	U	10	U
Diphenylamine	ug/l	11	U	10	U	10	U
Ethyl methanesulfonate	ug/l	11	U	10	U	10	U
Fluoranthene	ug/l	2.3	U	2.2	U	2.2	U
Fluorene	ug/l	2	U	1.9	U	1.9	U

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2598		HA2682		HA2683	
SAMPLE POINT		GWPCL-2		GWPCL-5D		GWPCL-5S	
SAMPLING DATE		900615		900615		900615	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
Hexachlorobenzene	ug/l	2	U	1.9	U	1.9	U
Hexachlorobutadiene	ug/l	0.95	U	0.92	U	0.92	U
Hexachlorocyclopentadiene	ug/l	11	U	10	U	10	U
Hexachloroethane	ug/l	1.7	U	1.6	U	1.6	U
Hexachlorophene	ug/l	11	U	10	U	10	U
Hexachloropropene	ug/l	11	U	10	U	10	U
Indeno(1,2,3-c,d)pyrene	ug/l	3.9	U	3.8	U	3.8	U
Isodrin	ug/l	6.2	U	6	U	6	U
Isophorone	ug/l	2.3	U	2.2	U	2.2	U
Isosafrole	ug/l	11	U	10	U	10	U
Methapyrilene	ug/l	--	IND	--	IND	--	IND
Methyl methanesulfonate	ug/l	11	U	10	U	10	U
N-Nitrosodi-n-butylamine	ug/l	11	U	10	U	10	U
N-Nitrosodi-n-propylamine	ug/l	11	U	10	U	10	U
N-Nitrosodiethylamine	ug/l	11	U	10	U	10	U
N-Nitrosodimethylamine	ug/l	11	U	10	U	10	U
N-Nitrosodiphenylamine	ug/l	2	U	1.9	U	1.9	U
N-Nitrosomethylethylamine	ug/l	11	U	10	U	10	U
N-Nitrosomorpholine	ug/l	11	U	10	U	10	U
N-Nitrosopiperidine	ug/l	11	U	10	U	10	U
N-Nitrosopyrrolidine	ug/l	--	IND	--	IND	--	IND
Naphthalene	ug/l	1.7	U	1.6	U	1.6	U
Nitrobenzene	ug/l	2	U	1.9	U	1.9	U
O,O,O-Triethyl phosphorothioat	ug/l	--	IND	--	IND	--	IND
Pentachlorobenzene	ug/l	11	U	10	U	10	U
Pentachloronitrobenzene	ug/l	--	IND	--	IND	--	IND
Pentachlorophenol	ug/l	3.8	U	3.7	U	3.7	U
Phenacetin	ug/l	11	U	10	U	10	U
Phenanthrene	ug/l	5.7	U	5.5	U	5.5	U
Phenol	ug/l	1.6	U	1.5	U	1.5	U
Pronamide	ug/l	11	U	10	U	10	U
Pyrene	ug/l	2	U	1.9	U	1.9	U
Pyridine	ug/l	11	U	10	U	10	U
Safrole	ug/l	11	U	10	U	10	U
Tetraethyldithiopyrophosphate	ug/l	--	U	--	U	--	U
a-a-Dimethylphenethylamine	ug/l	--	U	--	U	--	U
bis(2-Chloroethoxy)methane	ug/l	5.6	U	5.4	U	5.4	U

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2598		HA2682		HA2683	
SAMPLE POINT		GWPCL-2		GWPCL-5D		GWPCL-5S	
SAMPLING DATE		900615		900615		900615	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
bis(2-Chloroethyl) ether	ug/l	6	U	5.8	U	5.8	U
bis(2-Chloroisopropyl)ether	ug/l	6	U	5.8	U	5.8	U
bis(2-Ethylhexyl)phthalate	ug/l	0.671	JX	1.16	JX	0.657	JX
m+p-Cresols	ug/l	11	U	10	U	10	U
m-Dinitrobenzene	ug/l	11	U	10	U	10	U
m-Nitroaniline	ug/l	11	U	10	U	10	U
o-Cresol	ug/l	11	U	10	U	10	U
o-Nitroaniline	ug/l	11	U	10	U	10	U
o-Toluidine	ug/l	11	U	10	U	10	U
p-Chloro-m-cresol	ug/l	3.2	U	3.1	U	3.1	U
p-Chloroaniline	ug/l	11	U	10	U	10	U
p-Dimethylaminoazobenzene	ug/l	11	U	10	U	10	U
p-Nitroaniline	ug/l	11	U	10	U	10	U
p-phenylenediamine	ug/l	--	IND	--	IND	--	IND
sym-Trinitrobenzene	ug/l	--	IND	--	IND	--	IND
Antimony	ug/l	60	U	60	U	60	U
Arsenic	ug/l	10	U	10	U	10	U
Barium	ug/l	7.9	JX	25		9.2	JX
Beryllium	ug/l	1	U	1	U	1	U
Cadmium	ug/l	2	U	2	U	2	U
Chromium	ug/l	10	U	10	U	10	U
Cobalt	ug/l	20	U	20	U	20	U
Copper	ug/l	10	U	10	U	10	U
Lead	ug/l	5	U	1.4	JX	2	JX
Mercury	ug/l	0.2	U	0.2	U	0.2	U
Nickel	ug/l	20	U	20	U	20	U
Selenium	ug/l	5	U	5	U	5	U
Silver	ug/l	10	U	10	U	10	U
Thallium	ug/l	10	U	10	U	10	U
Tin	ug/l	50	U	50	U	50	U
Vanadium	ug/l	20	U	20	U	20	U
Zinc	ug/l	21	B	19	JX, B	19	JX, B
Cyanide, Total	ug/l	10	U	10	U	10	U
Sulfide as S	mg/l	0.16		0.08		0.16	

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2497		HA2604		HA2605	
SAMPLE POINT		GWMW208-85		GWMW-209		GWFB04	
SAMPLING DATE		900615		900615		900615	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
1,1,1,2-Tetrachloroethane	ug/l	10	U	10	U	10	U
1,1,1-Trichloroethane	ug/l	3.8	U	3.8	U	3.8	U
1,1,2,2-Tetrachloroethane	ug/l	6.9	U	6.9	U	6.9	U
1,1,2-Trichloroethane	ug/l	5	U	5	U	5	U
1,1-Dichloroethane	ug/l	4.7	U	4.7	U	4.7	U
1,1-Dichloroethylene	ug/l	2.8	U	2.8	U	2.8	U
1,2,3-Trichloropropane	ug/l	10	U	10	U	10	U
1,2-Dibromo-3-chloropropane	ug/l	10	U	10	U	10	U
1,2-Dibromoethane	ug/l	10	U	10	U	10	U
1,2-Dichloroethane	ug/l	2.8	U	2.8	U	2.8	U
1,2-Dichloropropane	ug/l	6	U	6	U	6	U
1,2-Trans-dichloroethylene	ug/l	1.6	U	1.6	U	1.6	U
1,4-Dichloro-2-butene	ug/l	10	U	10	U	10	U
2-Chloro-1,3-butadiene	ug/l	--	U	--	U	--	U
2-Hexanone	ug/l	10	U	10	U	10	U
3-chloropropene	ug/l	10	U	10	U	10	U
Acetone	ug/l	10	U	13.4		10	U
Benzene	ug/l	4.4	U	4.4	U	4.4	U
Bromoform	ug/l	4.7	U	4.7	U	4.7	U
Carbon disulfide	ug/l	10	U	10	U	10	U
Carbon tetrachloride	ug/l	2.8	U	2.8	U	2.8	U
Chlorobenzene	ug/l	6	U	6	U	6	U
Chlorodibromomethane	ug/l	3.1	U	3.1	U	3.1	U
Chloroethane	ug/l	10	U	10	U	10	U
Chloroform	ug/l	1.6	U	1.6	U	1.6	U
Dibromomethane	ug/l	--	U	--	U	--	U
Dichlorobromomethane	ug/l	2.2	U	2.2	U	2.2	U
Dichlorodifluoromethane	ug/l	10	U	10	U	10	U
Ethyl methacrylate	ug/l	10	U	10	U	10	U
Ethylbenzene	ug/l	7.2	U	7.2	U	7.2	U
Iodomethane	ug/l	--	IND	--	IND	--	IND
Methyl bromide	ug/l	10	U	10	U	10	U
Methyl chloride	ug/l	10	U	10	U	10	U
Methyl ethyl ketone	ug/l	10	U	10	U	10	U
Methyl methacrylate	ug/l	10	U	10	U	10	U
Methyl-iso-butyl ketone	ug/l	10	U	10	U	10	U
Methylene chloride	ug/l	2.8	U	1.86	JX, B	5.7	B

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2497		HA2604		HA2605	
SAMPLE POINT		GWMW208-85		GWMW-209		GWFB04	
SAMPLING DATE		900615		900615		900615	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
Pentachloroethane	ug/l	--	IND	--	IND	--	IND
Styrene	ug/l	10	U	0.516	JX	10	U
Tetrachloroethylene	ug/l	4.1	U	4.1	U	4.1	U
Toluene	ug/l	6	U	6	U	6	U
Trichloroethylene	ug/l	1.9	U	1.9	U	1.9	U
Trichlorofluoromethane	ug/l	10	U	10	U	2.7	
Vinyl acetate	ug/l	10	U	10	U	10	U
Vinyl chloride	ug/l	10	U	10	U	10	U
cis-1,3-Dichloropropylene	ug/l	5	U	5	U	5	U
m-Xylene	ug/l	10	U	10	U	10	U
o+p-Xylenes	ug/l	10	U	0.994	JX	10	U
trans-1,3-Dichloropropylene	ug/l	10	U	10	U	10	U
Acrolein	ug/l	100	U	100	U	100	U
Acrylonitrile	ug/l	100	U	100	U	100	U
1,2,4,5-Tetrachlorobenzene	ug/l	10	U	10	U	12	U
1,2,4-Trichlorobenzene	ug/l	2	U	2	U	2.2	U
1,2-Dichlorobenzene	ug/l	2	U	2	U	2.2	U
1,3-Dichlorobenzene	ug/l	2	U	2	U	2.2	U
1,4-Dichlorobenzene	ug/l	4.6	U	4.5	U	5.2	U
1,4-Naphthoquinone	ug/l	10	U	10	U	12	U
1-Naphthylamine	ug/l	10	U	10	U	12	U
2,3,4,6-Tetrachlorophenol	ug/l	10	U	10	U	12	U
2,4,5-Trichlorophenol	ug/l	10	U	10	U	12	U
2,4,6-Trichlorophenol	ug/l	2.8	U	2.8	U	3.2	U
2,4-Dichlorophenol	ug/l	2.8	U	2.8	U	3.2	U
2,4-Dimethylphenol	ug/l	2.8	U	2.8	U	3.2	U
2,4-Dinitrophenol	ug/l	44	U	43	U	49	U
2,4-Dinitrotoluene	ug/l	5.9	U	5.9	U	6.7	U
2,6-Dichlorophenol	ug/l	10	U	10	U	12	U
2,6-Dinitrotoluene	ug/l	2	U	2	U	2.2	U
2-Acetylaminofluorene	ug/l	10	U	10	U	12	U
2-Chloronaphthalene	ug/l	2	U	2	U	2.2	U
2-Chlorophenol	ug/l	3.4	U	3.4	U	3.9	U
2-Methylnaphthalene	ug/l	10	U	10	U	12	U
2-Naphthylamine	ug/l	10	U	10	U	12	U
2-Nitrophenol	ug/l	3.8	U	3.7	U	4.2	U
2-Picoline	ug/l	10	U	10	U	12	U

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2497		HA2604		HA2605	
SAMPLE POINT		GWMW208-85		GWMW-209		GWFB04	
SAMPLING DATE		900615		900615		900615	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
2-sec-Butyl-4,6-dinitrophenol	ug/l	10	U	10	U	12	U
3,3'-Dichlorobenzidine	ug/l	17.2	U	17	U	19.4	U
3,3'-Dimethylbenzidine	ug/l	10	U	10	U	12	U
3-Methylcholanthrene	ug/l	10	U	10	U	12	U
4,6-Dinitro-o-cresol	ug/l	25	U	25	U	28	U
4-Aminobiphenyl	ug/l	10	U	10	U	12	U
4-Bromophenyl phenyl ether	ug/l	2	U	2	U	2.2	U
4-Chlorophenyl phenyl ether	ug/l	4.4	U	4.3	U	4.9	U
4-Nitrophenol	ug/l	2.5	U	2.5	U	2.8	U
4-Nitroquinoline-N-oxide	ug/l	--	IND	--	IND	--	IND
5-Nitro-o-toluidine	ug/l	10	U	10	U	12	U
7,12-Dimethylbenzo(a)anthracen	ug/l	10	U	10	U	12	U
Acenaphthene	ug/l	2	U	2	U	2.2	U
Acenaphthylene	ug/l	3.6	U	3.6	U	4.1	U
Acetophenone	ug/l	10	U	10	U	12	U
Aniline	ug/l	10	U	10	U	12	U
Anthracene	ug/l	2	U	2	U	2.2	U
Aramite	ug/l	--	IND	--	IND	--	IND
Benzo(a)anthracene	ug/l	8.1	U	8	U	9.2	U
Benzo(a)pyrene	ug/l	2.6	U	2.6	U	2.9	U
Benzo(b)fluoranthene	ug/l	5	U	4.9	U	5.6	U
Benzo(ghi)perylene	ug/l	4.3	U	4.2	U	4.8	U
Benzo(k)fluoranthene	ug/l	2.6	U	2.6	U	2.9	U
Benzyl alcohol	ug/l	10	U	10	U	12	U
Butyl benzyl phthalate	ug/l	10	U	10	U	12	U
Chrysene	ug/l	2.6	U	2.6	U	2.9	U
Di-n-butyl phthalate	ug/l	1.79	JX	3.03	JX	1.03	JX
Di-n-octyl phthalate	ug/l	10	U	37.2		12	U
Diallate	ug/l	10	U	10	U	12	U
Dibenzo(a,h)anthracene	ug/l	2.6	U	2.6	U	2.9	U
Dibenzofuran	ug/l	10	U	10	U	12	U
Diethyl phthalate	ug/l	10	U	10	U	12	U
Dimethyl phthalate	ug/l	10	U	10	U	12	U
Diphenylamine	ug/l	10	U	10	U	12	U
Ethyl methanesulfonate	ug/l	10	U	10	U	12	U
Fluoranthene	ug/l	2.3	U	2.3	U	2.6	U
Fluorene	ug/l	2	U	2	U	2.2	U

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2497		HA2604		HA2605	
SAMPLE POINT		GWMW208-85		GWMW-209		GWFB04	
SAMPLING DATE		900615		900615		900615	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
Hexachlorobenzene	ug/l	2	U	2	U	2.2	U
Hexachlorobutadiene	ug/l	0.94	U	0.93	U	1.1	U
Hexachlorocyclopentadiene	ug/l	10	U	10	U	12	U
Hexachloroethane	ug/l	1.7	U	1.6	U	1.9	U
Hexachlorophene	ug/l	10	U	10	U	12	U
Hexachloropropene	ug/l	10	U	10	U	12	U
Indeno(1,2,3-c,d)pyrene	ug/l	3.9	U	3.8	U	4.4	U
Isodrin	ug/l	6.1	U	6.1	U	6.9	U
Isophorone	ug/l	2.3	U	2.3	U	2.6	U
Isosafrole	ug/l	10	U	10	U	12	U
Methapyrilene	ug/l	--	IND	--	IND	--	IND
Methyl methanesulfonate	ug/l	10	U	10	U	12	U
N-Nitrosodi-n-butylamine	ug/l	10	U	10	U	12	U
N-Nitrosodi-n-propylamine	ug/l	10	U	10	U	12	U
N-Nitrosodiethylamine	ug/l	10	U	10	U	12	U
N-Nitrosodimethylamine	ug/l	10	U	10	U	12	U
N-Nitrosodiphenylamine	ug/l	2	U	2	U	2.2	U
N-Nitrosomethylethylamine	ug/l	10	U	10	U	12	U
N-Nitrosomorpholine	ug/l	10	U	10	U	12	U
N-Nitrosopiperidine	ug/l	10	U	10	U	12	U
N-Nitrosopyrrolidine	ug/l	--	IND	--	IND	--	IND
Naphthalene	ug/l	1.7	U	1.6	U	1.9	U
Nitrobenzene	ug/l	2	U	2	U	2.2	U
O,O,O-Triethyl phosphorothioat	ug/l	--	IND	--	IND	--	IND
Pentachlorobenzene	ug/l	10	U	10	U	12	U
Pentachloronitrobenzene	ug/l	--	IND	--	IND	--	IND
Pentachlorophenol	ug/l	3.8	U	3.7	U	4.2	U
Phenacetin	ug/l	10	U	10	U	12	U
Phenanthrene	ug/l	5.6	U	5.6	U	6.4	U
Phenol	ug/l	1.6	U	1.5	U	1.8	U
Pronamide	ug/l	10	U	10	U	12	U
Pyrene	ug/l	2	U	2	U	2.2	U
Pyridine	ug/l	10	U	10	U	12	U
Safrole	ug/l	10	U	10	U	12	U
Tetraethyldithiopyrophosphate	ug/l	--	U	--	U	--	U
a-a-Dimethylphenethylamine	ug/l	--	U	--	U	--	U
bis(2-Chloroethoxy)methane	ug/l	5.5	U	5.5	U	6.2	U

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2497		HA2604		HA2605	
SAMPLE POINT		GWMW208-85		GWMW-209		GWFB04	
SAMPLING DATE		900615		900615		900615	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
bis(2-Chloroethyl) ether	ug/l	5.9	U	5.9	U	6.7	U
bis(2-Chloroisopropyl)ether	ug/l	5.9	U	5.9	U	6.7	U
bis(2-Ethylhexyl)phthalate	ug/l	10	U	4.67	JX	12	U
m+p-Cresols	ug/l	10	U	10	U	12	U
m-Dinitrobenzene	ug/l	10	U	10	U	12	U
m-Nitroaniline	ug/l	10	U	10	U	12	U
o-Cresol	ug/l	10	U	10	U	12	U
o-Nitroaniline	ug/l	10	U	10	U	12	U
o-Toluidine	ug/l	10	U	10	U	12	U
p-Chloro-m-cresol	ug/l	3.1	U	3.1	U	3.5	U
p-Chloroaniline	ug/l	10	U	10	U	12	U
p-Dimethylaminoazobenzene	ug/l	10	U	10	U	12	U
p-Nitroaniline	ug/l	10	U	10	U	12	U
p-phenylenediamine	ug/l	--	IND	--	IND	--	IND
sym-Trinitrobenzene	ug/l	--	IND	--	IND	--	IND
Antimony	ug/l	60	U	60	U	60	U
Arsenic	ug/l	10	U	10	U	10	U
Barium	ug/l	16	JX	10	JX	20	U
Beryllium	ug/l	1	U	1	U	1	U
Cadmium	ug/l	2	U	2	U	2	U
Chromium	ug/l	10	U	10	U	10	U
Cobalt	ug/l	20	U	20	U	20	U
Copper	ug/l	10	U	10	U	10	U
Lead	ug/l	2	JX	2	JX	5	U
Mercury	ug/l	0.2	U	0.2	U	0.2	U
Nickel	ug/l	20	U	20	U	20	U
Selenium	ug/l	5	U	5	U	5	U
Silver	ug/l	10	U	2	JX	10	U
Thallium	ug/l	10	U	10	U	10	U
Tin	ug/l	26	JX	50	U	50	U
Vanadium	ug/l	20	U	20	U	20	U
Zinc	ug/l	26	B	18	JX, B	24	
Cyanide, Total	ug/l	10	U	10	U	10	U
Sulfide as S	mg/l	0.13		0.13		0.05	U

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2637		HA2621		HA2622	
SAMPLE POINT		GWMW209-TB		GWPCL-4		GWMW208-20	
SAMPLING DATE		900615		900614		900614	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
1,1,1,2-Tetrachloroethane	ug/l	10	U	NA		NA	
1,1,1-Trichloroethane	ug/l	3.8	U	0.76	U	1.57	
1,1,2,2-Tetrachloroethane	ug/l	6.9	U	1.4	U	1.4	U
1,1,2-Trichloroethane	ug/l	5	U	1	U	1	U
1,1-Dichloroethane	ug/l	4.7	U	0.94	U	0.94	U
1,1-Dichloroethylene	ug/l	2.8	U	0.56	U	0.56	U
1,2,3-Trichloropropane	ug/l	10	U	NA		NA	
1,2-Dibromo-3-chloropropane	ug/l	10	U	NA		NA	
1,2-Dibromoethane	ug/l	10	U	NA		NA	
1,2-Dichloroethane	ug/l	2.8	U	0.56	U	0.56	U
1,2-Dichloropropane	ug/l	6	U	1.2	U	1.2	U
1,2-Trans-dichloroethylene	ug/l	1.6	U	0.32	U	0.898	
1,4-Dichloro-2-butene	ug/l	10	U	NA		NA	
2-Chloro-1,3-butadiene	ug/l	--	U	NA		NA	
2-Hexanone	ug/l	10	U	NA		NA	
3-chloropropene	ug/l	10	U	NA		NA	
Acetone	ug/l	10	U	NA		NA	
Benzene	ug/l	4.4	U	NA		NA	
Bromoform	ug/l	4.7	U	0.94	U	0.94	U
Carbon disulfide	ug/l	10	U	NA		NA	
Carbon tetrachloride	ug/l	2.8	U	0.56	U	0.56	U
Chlorobenzene	ug/l	6	U	1.2	U	1.2	U
Chlorodibromomethane	ug/l	3.1	U	0.62	U	0.62	U
Chloroethane	ug/l	10	U	2	U	2	U
Chloroform	ug/l	1.6	U	0.32	U	5.61	
Dibromomethane	ug/l	--	U	NA		NA	
Dichlorobromomethane	ug/l	2.2	U	0.44	U	0.44	U
Dichlorodifluoromethane	ug/l	8.65	JX	2	U	2	U
Ethyl methacrylate	ug/l	10	U	NA		NA	
Ethylbenzene	ug/l	7.2	U	NA		NA	
Iodomethane	ug/l	--	IND	NA		NA	
Methyl bromide	ug/l	10	U	2	U	2	U
Methyl chloride	ug/l	10	U	2	U	2	U
Methyl ethyl ketone	ug/l	10	U	NA		NA	
Methyl methacrylate	ug/l	10	U	NA		NA	
Methyl-iso-butyl ketone	ug/l	10	U	NA		NA	
Methylene chloride	ug/l	2.04	JX, B	0.708	B	0.941	B

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2637		HA2621		HA2622	
SAMPLE POINT		GWMW209-TB		GWPCL-4		GWMW208-20	
SAMPLING DATE		900615		900614		900614	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
Pentachloroethane	ug/l	--	IND	NA		NA	
Styrene	ug/l	10	U	NA		NA	
Tetrachloroethylene	ug/l	4.1	U	0.82	U	3.81	
Toluene	ug/l	6	U	NA		NA	
Trichloroethylene	ug/l	1.9	U	0.38	U	0.424	
Trichlorofluoromethane	ug/l	10	U	4.83	B	1.67	JX, B
Vinyl acetate	ug/l	10	U	NA		NA	
Vinyl chloride	ug/l	10	U	1	U	1	U
cis-1,3-Dichloropropylene	ug/l	5	U	1	U	1	U
m-Xylene	ug/l	10	U	NA		NA	
o+p-Xylenes	ug/l	10	U	NA		NA	
trans-1,3-Dichloropropylene	ug/l	10	U	2	U	2	U
Acrolein	ug/l	100	U	NA		NA	
Acrylonitrile	ug/l	100	U	NA		NA	
1,2,4,5-Tetrachlorobenzene	ug/l	NA		NA		NA	
1,2,4-Trichlorobenzene	ug/l	NA		NA		NA	
1,2-Dichlorobenzene	ug/l	NA		NA		NA	
1,3-Dichlorobenzene	ug/l	NA		NA		NA	
1,4-Dichlorobenzene	ug/l	NA		NA		NA	
1,4-Naphthoquinone	ug/l	NA		NA		NA	
1-Naphthylamine	ug/l	NA		NA		NA	
2,3,4,6-Tetrachlorophenol	ug/l	NA		NA		NA	
2,4,5-Trichlorophenol	ug/l	NA		NA		NA	
2,4,6-Trichlorophenol	ug/l	NA		NA		NA	
2,4-Dichlorophenol	ug/l	NA		NA		NA	
2,4-Dimethylphenol	ug/l	NA		NA		NA	
2,4-Dinitrophenol	ug/l	NA		NA		NA	
2,4-Dinitrotoluene	ug/l	NA		NA		NA	
2,6-Dichlorophenol	ug/l	NA		NA		NA	
2,6-Dinitrotoluene	ug/l	NA		NA		NA	
2-Acetylaminofluorene	ug/l	NA		NA		NA	
2-Chloronaphthalene	ug/l	NA		NA		NA	
2-Chlorophenol	ug/l	NA		NA		NA	
2-Methylnaphthalene	ug/l	NA		NA		NA	
2-Naphthylamine	ug/l	NA		NA		NA	
2-Nitrophenol	ug/l	NA		NA		NA	
2-Picoline	ug/l	NA		NA		NA	

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2637		HA2621		HA2622	
SAMPLE POINT		GWMW209-TB		GWPCL-4		GWMW208-20	
SAMPLING DATE		900615		900614		900614	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
2-sec-Butyl-4,6-dinitrophenol	ug/l	NA		NA		NA	
3,3'-Dichlorobenzidine	ug/l	NA		NA		NA	
3,3'-Dimethylbenzidine	ug/l	NA		NA		NA	
3-Methylcholanthrene	ug/l	NA		NA		NA	
4,6-Dinitro-o-cresol	ug/l	NA		NA		NA	
4-Aminobiphenyl	ug/l	NA		NA		NA	
4-Bromophenyl phenyl ether	ug/l	NA		NA		NA	
4-Chlorophenyl phenyl ether	ug/l	NA		NA		NA	
4-Nitrophenol	ug/l	NA		NA		NA	
4-Nitroquinoline-N-oxide	ug/l	NA		NA		NA	
5-Nitro-o-toluidine	ug/l	NA		NA		NA	
7,12-Dimethylbenzo(a)anthracen	ug/l	NA		NA		NA	
Acenaphthene	ug/l	NA		NA		NA	
Acenaphthylene	ug/l	NA		NA		NA	
Acetophenone	ug/l	NA		NA		NA	
Aniline	ug/l	NA		NA		NA	
Anthracene	ug/l	NA		NA		NA	
Aramite	ug/l	NA		NA		NA	
Benzo(a)anthracene	ug/l	NA		NA		NA	
Benzo(a)pyrene	ug/l	NA		NA		NA	
Benzo(b)fluoranthene	ug/l	NA		NA		NA	
Benzo(ghi)perylene	ug/l	NA		NA		NA	
Benzo(k)fluoranthene	ug/l	NA		NA		NA	
Benzyl alcohol	ug/l	NA		NA		NA	
Butyl benzyl phthalate	ug/l	NA		NA		NA	
Chrysene	ug/l	NA		NA		NA	
Di-n-butyl phthalate	ug/l	NA		NA		NA	
Di-n-octyl phthalate	ug/l	NA		NA		NA	
Diallate	ug/l	NA		NA		NA	
Dibenzo(a,h)anthracene	ug/l	NA		NA		NA	
Dibenzofuran	ug/l	NA		NA		NA	
Diethyl phthalate	ug/l	NA		NA		NA	
Dimethyl phthalate	ug/l	NA		NA		NA	
Diphenylamine	ug/l	NA		NA		NA	
Ethyl methanesulfonate	ug/l	NA		NA		NA	
Fluoranthene	ug/l	NA		NA		NA	
Fluorene	ug/l	NA		NA		NA	

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2637		HA2621		HA2622	
SAMPLE POINT		GWMW209-TB		GWPCL-4		GWMW208-20	
SAMPLING DATE		900615		900614		900614	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
Hexachlorobenzene	ug/l	NA		NA		NA	
Hexachlorobutadiene	ug/l	NA		NA		NA	
Hexachlorocyclopentadiene	ug/l	NA		NA		NA	
Hexachloroethane	ug/l	NA		NA		NA	
Hexachlorophene	ug/l	NA		NA		NA	
Hexachloropropene	ug/l	NA		NA		NA	
Indeno(1,2,3-c,d)pyrene	ug/l	NA		NA		NA	
Isodrin	ug/l	NA		NA		NA	
Isophorone	ug/l	NA		NA		NA	
Isosafrole	ug/l	NA		NA		NA	
Methapyrilene	ug/l	NA		NA		NA	
Methyl methanesulfonate	ug/l	NA		NA		NA	
N-Nitrosodi-n-butylamine	ug/l	NA		NA		NA	
N-Nitrosodi-n-propylamine	ug/l	NA		NA		NA	
N-Nitrosodiethylamine	ug/l	NA		NA		NA	
N-Nitrosodimethylamine	ug/l	NA		NA		NA	
N-Nitrosodiphenylamine	ug/l	NA		NA		NA	
N-Nitrosomethylethylamine	ug/l	NA		NA		NA	
N-Nitrosomorpholine	ug/l	NA		NA		NA	
N-Nitrosopiperidine	ug/l	NA		NA		NA	
N-Nitrosopyrrolidine	ug/l	NA		NA		NA	
Naphthalene	ug/l	NA		NA		NA	
Nitrobenzene	ug/l	NA		NA		NA	
O,O,O-Triethyl phosphorothioat	ug/l	NA		NA		NA	
Pentachlorobenzene	ug/l	NA		NA		NA	
Pentachloronitrobenzene	ug/l	NA		NA		NA	
Pentachlorophenol	ug/l	NA		NA		NA	
Phenacetin	ug/l	NA		NA		NA	
Phenanthrene	ug/l	NA		NA		NA	
Phenol	ug/l	NA		NA		NA	
Pronamide	ug/l	NA		NA		NA	
Pyrene	ug/l	NA		NA		NA	
Pyridine	ug/l	NA		NA		NA	
Safrole	ug/l	NA		NA		NA	
Tetraethyldithiopyrophosphate	ug/l	NA		NA		NA	
a-a-Dimethylphenethylamine	ug/l	NA		NA		NA	
bis(2-Chloroethoxy)methane	ug/l	NA		NA		NA	

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2637		HA2621		HA2622	
SAMPLE POINT		GWMW209-TB		GWPCL-4		GWMW208-20	
SAMPLING DATE		900615		900614		900614	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
bis(2-Chloroethyl) ether	ug/l	NA		NA		NA	
bis(2-Chloroisopropyl)ether	ug/l	NA		NA		NA	
bis(2-Ethylhexyl)phthalate	ug/l	NA		NA		NA	
m+p-Cresols	ug/l	NA		NA		NA	
m-Dinitrobenzene	ug/l	NA		NA		NA	
m-Nitroaniline	ug/l	NA		NA		NA	
o-Cresol	ug/l	NA		NA		NA	
o-Nitroaniline	ug/l	NA		NA		NA	
o-Toluidine	ug/l	NA		NA		NA	
p-Chloro-m-cresol	ug/l	NA		NA		NA	
p-Chloroaniline	ug/l	NA		NA		NA	
p-Dimethylaminoazobenzene	ug/l	NA		NA		NA	
p-Nitroaniline	ug/l	NA		NA		NA	
p-phenylenediamine	ug/l	NA		NA		NA	
sym-Trinitrobenzene	ug/l	NA		NA		NA	
Antimony	ug/l	NA		NA		NA	
Arsenic	ug/l	NA		NA		NA	
Barium	ug/l	NA		NA		NA	
Beryllium	ug/l	NA		NA		NA	
Cadmium	ug/l	NA		NA		NA	
Chromium	ug/l	NA		NA		NA	
Cobalt	ug/l	NA		NA		NA	
Copper	ug/l	NA		NA		NA	
Lead	ug/l	NA		NA		NA	
Mercury	ug/l	NA		NA		NA	
Nickel	ug/l	NA		NA		NA	
Selenium	ug/l	NA		NA		NA	
Silver	ug/l	NA		NA		NA	
Thallium	ug/l	NA		NA		NA	
Tin	ug/l	NA		NA		NA	
Vanadium	ug/l	NA		NA		NA	
Zinc	ug/l	NA		NA		NA	
Cyanide, Total	ug/l	NA		NA		NA	
Sulfide as S	mg/l	NA		NA		NA	

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2620		HA2623		HA2624	
SAMPLE POINT		GWMW250-60		GWPCL-1		GWPCL-1FR	
SAMPLING DATE		900614		900615		900615	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
1,1,1,2-Tetrachloroethane	ug/l	NA		NA		NA	
1,1,1-Trichloroethane	ug/l	7.6	U	0.76	U	0.76	U
1,1,2,2-Tetrachloroethane	ug/l	14	U	1.4	U	1.4	U
1,1,2-Trichloroethane	ug/l	10	U	1	U	1	U
1,1-Dichloroethane	ug/l	9.4	U	0.94	U	0.94	U
1,1-Dichloroethylene	ug/l	5.6	U	0.56	U	0.56	U
1,2,3-Trichloropropane	ug/l	NA		NA		NA	
1,2-Dibromo-3-chloropropane	ug/l	NA		NA		NA	
1,2-Dibromoethane	ug/l	NA		NA		NA	
1,2-Dichloroethane	ug/l	5.6	U	0.56	U	0.56	U
1,2-Dichloropropane	ug/l	12	U	1.2	U	1.2	U
1,2-Trans-dichloroethylene	ug/l	3.2	U	0.32	U	0.32	U
1,4-Dichloro-2-butene	ug/l	NA		NA		NA	
2-Chloro-1,3-butadiene	ug/l	NA		NA		NA	
2-Hexanone	ug/l	NA		NA		NA	
3-chloropropene	ug/l	NA		NA		NA	
Acetone	ug/l	NA		NA		NA	
Benzene	ug/l	NA		NA		NA	
Bromoform	ug/l	9.4	U	0.94	U	0.94	U
Carbon disulfide	ug/l	NA		NA		NA	
Carbon tetrachloride	ug/l	5.6	U	0.56	U	0.56	U
Chlorobenzene	ug/l	12	U	1.2	U	1.2	U
Chlorodibromomethane	ug/l	6.2	U	0.62	U	0.62	U
Chloroethane	ug/l	20	U	2	U	2	U
Chloroform	ug/l	3.2	U	0.32	U	0.32	U
Dibromomethane	ug/l	NA		NA		NA	
Dichlorobromomethane	ug/l	4.4	U	0.44	U	0.44	U
Dichlorodifluoromethane	ug/l	20	U	2	U	2	U
Ethyl methacrylate	ug/l	NA		NA		NA	
Ethylbenzene	ug/l	NA		NA		NA	
Iodomethane	ug/l	NA		NA		NA	
Methyl bromide	ug/l	20	U	2	U	2	U
Methyl chloride	ug/l	20	U	2	U	2	U
Methyl ethyl ketone	ug/l	NA		NA		NA	
Methyl methacrylate	ug/l	NA		NA		NA	
Methyl-iso-butyl ketone	ug/l	NA		NA		NA	
Methylene chloride	ug/l	11	B	0.635	B	0.536	JX, B

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2620		HA2623		HA2624	
SAMPLE POINT		GWMW250-60		GWPCL-1		GWPCL-1FR	
SAMPLING DATE		900614		900615		900615	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
Pentachloroethane	ug/l	NA		NA		NA	
Styrene	ug/l	NA		NA		NA	
Tetrachloroethylene	ug/l	201		0.5	JX	0.399	JX
Toluene	ug/l	NA		NA		NA	
Trichloroethylene	ug/l	7.71		0.38	U	0.38	U
Trichlorofluoromethane	ug/l	20	U	4.34	B	0.755	JX, B
Vinyl acetate	ug/l	NA		NA		NA	
Vinyl chloride	ug/l	10	U	1	U	1	U
cis-1,3-Dichloropropylene	ug/l	10	U	1	U	1	U
m-Xylene	ug/l	NA		NA		NA	
o+p-Xylenes	ug/l	NA		NA		NA	
trans-1,3-Dichloropropylene	ug/l	20	U	2	U	2	U
Acrolein	ug/l	NA		NA		NA	
Acrylonitrile	ug/l	NA		NA		NA	
1,2,4,5-Tetrachlorobenzene	ug/l	NA		NA		NA	
1,2,4-Trichlorobenzene	ug/l	NA		NA		NA	
1,2-Dichlorobenzene	ug/l	NA		NA		NA	
1,3-Dichlorobenzene	ug/l	NA		NA		NA	
1,4-Dichlorobenzene	ug/l	NA		NA		NA	
1,4-Naphthoquinone	ug/l	NA		NA		NA	
1-Naphthylamine	ug/l	NA		NA		NA	
2,3,4,6-Tetrachlorophenol	ug/l	NA		NA		NA	
2,4,5-Trichlorophenol	ug/l	NA		NA		NA	
2,4,6-Trichlorophenol	ug/l	NA		NA		NA	
2,4-Dichlorophenol	ug/l	NA		NA		NA	
2,4-Dimethylphenol	ug/l	NA		NA		NA	
2,4-Dinitrophenol	ug/l	NA		NA		NA	
2,4-Dinitrotoluene	ug/l	NA		NA		NA	
2,6-Dichlorophenol	ug/l	NA		NA		NA	
2,6-Dinitrotoluene	ug/l	NA		NA		NA	
2-Acetylaminofluorene	ug/l	NA		NA		NA	
2-Chloronaphthalene	ug/l	NA		NA		NA	
2-Chlorophenol	ug/l	NA		NA		NA	
2-Methylnaphthalene	ug/l	NA		NA		NA	
2-Naphthylamine	ug/l	NA		NA		NA	
2-Nitrophenol	ug/l	NA		NA		NA	
2-Picoline	ug/l	NA		NA		NA	

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2620		HA2623		HA2624	
SAMPLE POINT		GWMW250-60		GWPCL-1		GWPCL-1FR	
SAMPLING DATE		900614		900615		900615	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
2-sec-Butyl-4,6-dinitrophenol	ug/l	NA		NA		NA	
3,3'-Dichlorobenzidine	ug/l	NA		NA		NA	
3,3'-Dimethylbenzidine	ug/l	NA		NA		NA	
3-Methylcholanthrene	ug/l	NA		NA		NA	
4,6-Dinitro-o-cresol	ug/l	NA		NA		NA	
4-Aminobiphenyl	ug/l	NA		NA		NA	
4-Bromophenyl phenyl ether	ug/l	NA		NA		NA	
4-Chlorophenyl phenyl ether	ug/l	NA		NA		NA	
4-Nitrophenol	ug/l	NA		NA		NA	
4-Nitroquinoline-N-oxide	ug/l	NA		NA		NA	
5-Nitro-o-toluidine	ug/l	NA		NA		NA	
7,12-Dimethylbenzo(a)anthracen	ug/l	NA		NA		NA	
Acenaphthene	ug/l	NA		NA		NA	
Acenaphthylene	ug/l	NA		NA		NA	
Acetophenone	ug/l	NA		NA		NA	
Aniline	ug/l	NA		NA		NA	
Anthracene	ug/l	NA		NA		NA	
Aramite	ug/l	NA		NA		NA	
Benzo(a)anthracene	ug/l	NA		NA		NA	
Benzo(a)pyrene	ug/l	NA		NA		NA	
Benzo(b)fluoranthene	ug/l	NA		NA		NA	
Benzo(ghi)perylene	ug/l	NA		NA		NA	
Benzo(k)fluoranthene	ug/l	NA		NA		NA	
Benzyl alcohol	ug/l	NA		NA		NA	
Butyl benzyl phthalate	ug/l	NA		NA		NA	
Chrysene	ug/l	NA		NA		NA	
Di-n-butyl phthalate	ug/l	NA		NA		NA	
Di-n-octyl phthalate	ug/l	NA		NA		NA	
Diallate	ug/l	NA		NA		NA	
Dibenzo(a,h)anthracene	ug/l	NA		NA		NA	
Dibenzofuran	ug/l	NA		NA		NA	
Diethyl phthalate	ug/l	NA		NA		NA	
Dimethyl phthalate	ug/l	NA		NA		NA	
Diphenylamine	ug/l	NA		NA		NA	
Ethyl methanesulfonate	ug/l	NA		NA		NA	
Fluoranthene	ug/l	NA		NA		NA	
Fluorene	ug/l	NA		NA		NA	

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2620		HA2623		HA2624	
SAMPLE POINT		GWMW250-60		GWPCL-1		GWPCL-1FR	
SAMPLING DATE		900614		900615		900615	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
Hexachlorobenzene	ug/l	NA		NA		NA	
Hexachlorobutadiene	ug/l	NA		NA		NA	
Hexachlorocyclopentadiene	ug/l	NA		NA		NA	
Hexachloroethane	ug/l	NA		NA		NA	
Hexachlorophene	ug/l	NA		NA		NA	
Hexachloropropene	ug/l	NA		NA		NA	
Indeno(1,2,3-c,d)pyrene	ug/l	NA		NA		NA	
Isodrin	ug/l	NA		NA		NA	
Isophorone	ug/l	NA		NA		NA	
Isosafrole	ug/l	NA		NA		NA	
Methapyrilene	ug/l	NA		NA		NA	
Methyl methanesulfonate	ug/l	NA		NA		NA	
N-Nitrosodi-n-butylamine	ug/l	NA		NA		NA	
N-Nitrosodi-n-propylamine	ug/l	NA		NA		NA	
N-Nitrosodiethylamine	ug/l	NA		NA		NA	
N-Nitrosodimethylamine	ug/l	NA		NA		NA	
N-Nitrosodiphenylamine	ug/l	NA		NA		NA	
N-Nitrosomethylethylamine	ug/l	NA		NA		NA	
N-Nitrosomorpholine	ug/l	NA		NA		NA	
N-Nitrosopiperidine	ug/l	NA		NA		NA	
N-Nitrosopyrrolidine	ug/l	NA		NA		NA	
Naphthalene	ug/l	NA		NA		NA	
Nitrobenzene	ug/l	NA		NA		NA	
O,O,O-Triethyl phosphorothioat	ug/l	NA		NA		NA	
Pentachlorobenzene	ug/l	NA		NA		NA	
Pentachloronitrobenzene	ug/l	NA		NA		NA	
Pentachlorophenol	ug/l	NA		NA		NA	
Phenacetin	ug/l	NA		NA		NA	
Phenanthrene	ug/l	NA		NA		NA	
Phenol	ug/l	NA		NA		NA	
Pronamide	ug/l	NA		NA		NA	
Pyrene	ug/l	NA		NA		NA	
Pyridine	ug/l	NA		NA		NA	
Safrole	ug/l	NA		NA		NA	
Tetraethyldithiopyrophosphate	ug/l	NA		NA		NA	
a-a-Dimethylphenethylamine	ug/l	NA		NA		NA	
bis(2-Chloroethoxy)methane	ug/l	NA		NA		NA	

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2620		HA2623		HA2624	
SAMPLE POINT		GWMW250-60		GWPCL-1		GWPCL-1FR	
SAMPLING DATE		900614		900615		900615	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
bis(2-Chloroethyl) ether	ug/l	NA		NA		NA	
bis(2-Chloroisopropyl)ether	ug/l	NA		NA		NA	
bis(2-Ethylhexyl)phthalate	ug/l	NA		NA		NA	
m+p-Cresols	ug/l	NA		NA		NA	
m-Dinitrobenzene	ug/l	NA		NA		NA	
m-Nitroaniline	ug/l	NA		NA		NA	
o-Cresol	ug/l	NA		NA		NA	
o-Nitroaniline	ug/l	NA		NA		NA	
o-Toluidine	ug/l	NA		NA		NA	
p-Chloro-m-cresol	ug/l	NA		NA		NA	
p-Chloroaniline	ug/l	NA		NA		NA	
p-Dimethylaminoazobenzene	ug/l	NA		NA		NA	
p-Nitroaniline	ug/l	NA		NA		NA	
p-phenylenediamine	ug/l	NA		NA		NA	
sym-Trinitrobenzene	ug/l	NA		NA		NA	
Antimony	ug/l	NA		NA		NA	
Arsenic	ug/l	NA		NA		NA	
Barium	ug/l	NA		NA		NA	
Beryllium	ug/l	NA		NA		NA	
Cadmium	ug/l	NA		NA		NA	
Chromium	ug/l	NA		NA		NA	
Cobalt	ug/l	NA		NA		NA	
Copper	ug/l	NA		NA		NA	
Lead	ug/l	NA		NA		NA	
Mercury	ug/l	NA		NA		NA	
Nickel	ug/l	NA		NA		NA	
Selenium	ug/l	NA		NA		NA	
Silver	ug/l	NA		NA		NA	
Thallium	ug/l	NA		NA		NA	
Tin	ug/l	NA		NA		NA	
Vanadium	ug/l	NA		NA		NA	
Zinc	ug/l	NA		NA		NA	
Cyanide, Total	ug/l	NA		NA		NA	
Sulfide as S	mg/l	NA		NA		NA	

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2619		HA2631		HA2630	
SAMPLE POINT		GWPCL-2		GWMW-209		GWFB04	
SAMPLING DATE		900615		900615		900615	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
1,1,1,2-Tetrachloroethane	ug/l	NA		NA		NA	
1,1,1-Trichloroethane	ug/l	0.76	U	0.76	U	0.76	U
1,1,2,2-Tetrachloroethane	ug/l	1.4	U	1.4	U	1.4	U
1,1,2-Trichloroethane	ug/l	1	U	1	U	1	U
1,1-Dichloroethane	ug/l	0.94	U	0.94	U	0.94	U
1,1-Dichloroethylene	ug/l	0.56	U	0.56	U	0.56	U
1,2,3-Trichloropropane	ug/l	NA		NA		NA	
1,2-Dibromo-3-chloropropane	ug/l	NA		NA		NA	
1,2-Dibromoethane	ug/l	NA		NA		NA	
1,2-Dichloroethane	ug/l	0.56	U	0.56	U	0.56	U
1,2-Dichloropropane	ug/l	1.2	U	1.2	U	1.2	U
1,2-Trans-dichloroethylene	ug/l	0.32	U	0.32	U	0.32	U
1,4-Dichloro-2-butene	ug/l	NA		NA		NA	
2-Chloro-1,3-butadiene	ug/l	NA		NA		NA	
2-Hexanone	ug/l	NA		NA		NA	
3-chloropropene	ug/l	NA		NA		NA	
Acetone	ug/l	NA		NA		NA	
Benzene	ug/l	NA		NA		NA	
Bromoform	ug/l	0.94	U	0.94	U	0.94	U
Carbon disulfide	ug/l	NA		NA		NA	
Carbon tetrachloride	ug/l	0.56	U	0.56	U	0.56	U
Chlorobenzene	ug/l	1.2	U	1.2	U	1.2	U
Chlorodibromomethane	ug/l	0.62	U	0.62	U	0.62	U
Chloroethane	ug/l	2	U	2	U	2	U
Chloroform	ug/l	0.32	U	0.32	U	0.32	U
Dibromomethane	ug/l	NA		NA		NA	
Dichlorobromomethane	ug/l	0.44	U	0.44	U	0.44	U
Dichlorodifluoromethane	ug/l	2	U	2	U	2	U
Ethyl methacrylate	ug/l	NA		NA		NA	
Ethylbenzene	ug/l	NA		NA		NA	
Iodomethane	ug/l	NA		NA		NA	
Methyl bromide	ug/l	2	U	2	U	2	U
Methyl chloride	ug/l	2	U	2	U	2	U
Methyl ethyl ketone	ug/l	NA		NA		NA	
Methyl methacrylate	ug/l	NA		NA		NA	
Methyl-iso-butyl ketone	ug/l	NA		NA		NA	
Methylene chloride	ug/l	0.592	B	0.575	B	4.92	B

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2619		HA2631		HA2630	
SAMPLE POINT		GWPCL-2		GWMW-209		GWFB04	
SAMPLING DATE		900615		900615		900615	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
Pentachloroethane	ug/l	NA		NA		NA	
Styrene	ug/l	NA		NA		NA	
Tetrachloroethylene	ug/l	0.82	U	0.82	U	0.82	U
Toluene	ug/l	NA		NA		NA	
Trichloroethylene	ug/l	0.38	U	0.38	U	0.38	U
Trichlorofluoromethane	ug/l	2.91	B	2	U	2.7	
Vinyl acetate	ug/l	NA		NA		NA	
Vinyl chloride	ug/l	1	U	1	U	1	U
cis-1,3-Dichloropropylene	ug/l	1	U	1	U	1	U
m-Xylene	ug/l	NA		NA		NA	
o+p-Xylenes	ug/l	NA		NA		NA	
trans-1,3-Dichloropropylene	ug/l	2	U	2	U	2	U
Acrolein	ug/l	NA		NA		NA	
Acrylonitrile	ug/l	NA		NA		NA	
1,2,4,5-Tetrachlorobenzene	ug/l	NA		NA		NA	
1,2,4-Trichlorobenzene	ug/l	NA		NA		NA	
1,2-Dichlorobenzene	ug/l	NA		NA		NA	
1,3-Dichlorobenzene	ug/l	NA		NA		NA	
1,4-Dichlorobenzene	ug/l	NA		NA		NA	
1,4-Naphthoquinone	ug/l	NA		NA		NA	
1-Naphthylamine	ug/l	NA		NA		NA	
2,3,4,6-Tetrachlorophenol	ug/l	NA		NA		NA	
2,4,5-Trichlorophenol	ug/l	NA		NA		NA	
2,4,6-Trichlorophenol	ug/l	NA		NA		NA	
2,4-Dichlorophenol	ug/l	NA		NA		NA	
2,4-Dimethylphenol	ug/l	NA		NA		NA	
2,4-Dinitrophenol	ug/l	NA		NA		NA	
2,4-Dinitrotoluene	ug/l	NA		NA		NA	
2,6-Dichlorophenol	ug/l	NA		NA		NA	
2,6-Dinitrotoluene	ug/l	NA		NA		NA	
2-Acetylaminofluorene	ug/l	NA		NA		NA	
2-Chloronaphthalene	ug/l	NA		NA		NA	
2-Chlorophenol	ug/l	NA		NA		NA	
2-Methylnaphthalene	ug/l	NA		NA		NA	
2-Naphthylamine	ug/l	NA		NA		NA	
2-Nitrophenol	ug/l	NA		NA		NA	
2-Picoline	ug/l	NA		NA		NA	

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2619		HA2631		HA2630	
SAMPLE POINT		GWPCL-2		GWMW-209		GWFB04	
SAMPLING DATE		900615		900615		900615	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
2-sec-Butyl-4,6-dinitrophenol	ug/l	NA		NA		NA	
3,3'-Dichlorobenzidine	ug/l	NA		NA		NA	
3,3'-Dimethylbenzidine	ug/l	NA		NA		NA	
3-Methylcholanthrene	ug/l	NA		NA		NA	
4,6-Dinitro-o-cresol	ug/l	NA		NA		NA	
4-Aminobiphenyl	ug/l	NA		NA		NA	
4-Bromophenyl phenyl ether	ug/l	NA		NA		NA	
4-Chlorophenyl phenyl ether	ug/l	NA		NA		NA	
4-Nitrophenol	ug/l	NA		NA		NA	
4-Nitroquinoline-N-oxide	ug/l	NA		NA		NA	
5-Nitro-o-toluidine	ug/l	NA		NA		NA	
7,12-Dimethylbenzo(a)anthracen	ug/l	NA		NA		NA	
Acenaphthene	ug/l	NA		NA		NA	
Acenaphthylene	ug/l	NA		NA		NA	
Acetophenone	ug/l	NA		NA		NA	
Aniline	ug/l	NA		NA		NA	
Anthracene	ug/l	NA		NA		NA	
Aramite	ug/l	NA		NA		NA	
Benzo(a)anthracene	ug/l	NA		NA		NA	
Benzo(a)pyrene	ug/l	NA		NA		NA	
Benzo(b)fluoranthene	ug/l	NA		NA		NA	
Benzo(ghi)perylene	ug/l	NA		NA		NA	
Benzo(k)fluoranthene	ug/l	NA		NA		NA	
Benzyl alcohol	ug/l	NA		NA		NA	
Butyl benzyl phthalate	ug/l	NA		NA		NA	
Chrysene	ug/l	NA		NA		NA	
Di-n-butyl phthalate	ug/l	NA		NA		NA	
Di-n-octyl phthalate	ug/l	NA		NA		NA	
Diallate	ug/l	NA		NA		NA	
Dibenzo(a,h)anthracene	ug/l	NA		NA		NA	
Dibenzofuran	ug/l	NA		NA		NA	
Diethyl phthalate	ug/l	NA		NA		NA	
Dimethyl phthalate	ug/l	NA		NA		NA	
Diphenylamine	ug/l	NA		NA		NA	
Ethyl methanesulfonate	ug/l	NA		NA		NA	
Fluoranthene	ug/l	NA		NA		NA	
Fluorene	ug/l	NA		NA		NA	

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2619		HA2631		HA2630	
SAMPLE POINT		GWPCL-2		GWMW-209		GWFB04	
SAMPLING DATE		900615		900615		900615	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
Hexachlorobenzene	ug/l	NA		NA		NA	
Hexachlorobutadiene	ug/l	NA		NA		NA	
Hexachlorocyclopentadiene	ug/l	NA		NA		NA	
Hexachloroethane	ug/l	NA		NA		NA	
Hexachlorophene	ug/l	NA		NA		NA	
Hexachloropropene	ug/l	NA		NA		NA	
Indeno(1,2,3-c,d)pyrene	ug/l	NA		NA		NA	
Isodrin	ug/l	NA		NA		NA	
Isophorone	ug/l	NA		NA		NA	
Isosafrole	ug/l	NA		NA		NA	
Methapyrilene	ug/l	NA		NA		NA	
Methyl methanesulfonate	ug/l	NA		NA		NA	
N-Nitrosodi-n-butylamine	ug/l	NA		NA		NA	
N-Nitrosodi-n-propylamine	ug/l	NA		NA		NA	
N-Nitrosodiethylamine	ug/l	NA		NA		NA	
N-Nitrosodimethylamine	ug/l	NA		NA		NA	
N-Nitrosodiphenylamine	ug/l	NA		NA		NA	
N-Nitrosomethylethylamine	ug/l	NA		NA		NA	
N-Nitrosomorpholine	ug/l	NA		NA		NA	
N-Nitrosopiperidine	ug/l	NA		NA		NA	
N-Nitrosopyrrolidine	ug/l	NA		NA		NA	
Naphthalene	ug/l	NA		NA		NA	
Nitrobenzene	ug/l	NA		NA		NA	
O,O,O-Triethyl phosphorothioat	ug/l	NA		NA		NA	
Pentachlorobenzene	ug/l	NA		NA		NA	
Pentachloronitrobenzene	ug/l	NA		NA		NA	
Pentachlorophenol	ug/l	NA		NA		NA	
Phenacetin	ug/l	NA		NA		NA	
Phenanthrene	ug/l	NA		NA		NA	
Phenol	ug/l	NA		NA		NA	
Pronamide	ug/l	NA		NA		NA	
Pyrene	ug/l	NA		NA		NA	
Pyridine	ug/l	NA		NA		NA	
Safrole	ug/l	NA		NA		NA	
Tetraethyldithiopyrophosphate	ug/l	NA		NA		NA	
a-a-Dimethylphenethylamine	ug/l	NA		NA		NA	
bis(2-Chloroethoxy)methane	ug/l	NA		NA		NA	

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER		HA2619		HA2631		HA2630	
SAMPLE POINT		GWPCL-2		GWMW-209		GWFB04	
SAMPLING DATE		900615		900615		900615	
PARAMETER	UNITS	VALUE	FLAG	VALUE	FLAG	VALUE	FLAG
bis(2-Chloroethyl) ether	ug/l	NA		NA		NA	
bis(2-Chloroisopropyl)ether	ug/l	NA		NA		NA	
bis(2-Ethylhexyl)phthalate	ug/l	NA		NA		NA	
m+p-Cresols	ug/l	NA		NA		NA	
m-Dinitrobenzene	ug/l	NA		NA		NA	
m-Nitroaniline	ug/l	NA		NA		NA	
o-Cresol	ug/l	NA		NA		NA	
o-Nitroaniline	ug/l	NA		NA		NA	
o-Toluidine	ug/l	NA		NA		NA	
p-Chloro-m-cresol	ug/l	NA		NA		NA	
p-Chloroaniline	ug/l	NA		NA		NA	
p-Dimethylaminoazobenzene	ug/l	NA		NA		NA	
p-Nitroaniline	ug/l	NA		NA		NA	
p-phenylenediamine	ug/l	NA		NA		NA	
sym-Trinitrobenzene	ug/l	NA		NA		NA	
Antimony	ug/l	NA		NA		NA	
Arsenic	ug/l	NA		NA		NA	
Barium	ug/l	NA		NA		NA	
Beryllium	ug/l	NA		NA		NA	
Cadmium	ug/l	NA		NA		NA	
Chromium	ug/l	NA		NA		NA	
Cobalt	ug/l	NA		NA		NA	
Copper	ug/l	NA		NA		NA	
Lead	ug/l	NA		NA		NA	
Mercury	ug/l	NA		NA		NA	
Nickel	ug/l	NA		NA		NA	
Selenium	ug/l	NA		NA		NA	
Silver	ug/l	NA		NA		NA	
Thallium	ug/l	NA		NA		NA	
Tin	ug/l	NA		NA		NA	
Vanadium	ug/l	NA		NA		NA	
Zinc	ug/l	NA		NA		NA	
Cyanide, Total	ug/l	NA		NA		NA	
Sulfide as S	mg/l	NA		NA		NA	

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER	HA2664
SAMPLE POINT	GWMW209-TB
SAMPLING DATE	900615

PARAMETER	UNITS	VALUE	FLAG
1,1,1,2-Tetrachloroethane	ug/l	NA	
1,1,1-Trichloroethane	ug/l	0.76	U
1,1,2,2-Tetrachloroethane	ug/l	1.4	U
1,1,2-Trichloroethane	ug/l	1	U
1,1-Dichloroethane	ug/l	0.94	U
1,1-Dichloroethylene	ug/l	0.56	U
1,2,3-Trichloropropane	ug/l	NA	
1,2-Dibromo-3-chloropropane	ug/l	NA	
1,2-Dibromoethane	ug/l	NA	
1,2-Dichloroethane	ug/l	0.56	U
1,2-Dichloropropane	ug/l	1.2	U
1,2-Trans-dichloroethylene	ug/l	0.32	U
1,4-Dichloro-2-butene	ug/l	NA	
2-Chloro-1,3-butadiene	ug/l	NA	
2-Hexanone	ug/l	NA	
3-chloropropene	ug/l	NA	
Acetone	ug/l	NA	
Benzene	ug/l	NA	
Bromoform	ug/l	0.94	U
Carbon disulfide	ug/l	NA	
Carbon tetrachloride	ug/l	0.56	U
Chlorobenzene	ug/l	1.2	U
Chlorodibromomethane	ug/l	0.62	U
Chloroethane	ug/l	2	U
Chloroform	ug/l	0.32	U
Dibromomethane	ug/l	NA	
Dichlorobromomethane	ug/l	0.44	U
Dichlorodifluoromethane	ug/l	2	U
Ethyl methacrylate	ug/l	NA	
Ethylbenzene	ug/l	NA	
Iodomethane	ug/l	NA	
Methyl bromide	ug/l	2	U
Methyl chloride	ug/l	2	U
Methyl ethyl ketone	ug/l	NA	
Methyl methacrylate	ug/l	NA	
Methyl-iso-butyl ketone	ug/l	NA	
Methylene chloride	ug/l	1.04	B

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER	HA2664
SAMPLE POINT	GWMW209-TB
SAMPLING DATE	900615

PARAMETER	UNITS	VALUE	FLAG
Pentachloroethane	ug/l	NA	
Styrene	ug/l	NA	
Tetrachloroethylene	ug/l	0.82	U
Toluene	ug/l	NA	
Trichloroethylene	ug/l	0.38	U
Trichlorofluoromethane	ug/l	2	U
Vinyl acetate	ug/l	NA	
Vinyl chloride	ug/l	1	U
cis-1,3-Dichloropropylene	ug/l	1	U
m-Xylene	ug/l	NA	
o+p-Xylenes	ug/l	NA	
trans-1,3-Dichloropropylene	ug/l	2	U
Acrolein	ug/l	NA	
Acrylonitrile	ug/l	NA	
1,2,4,5-Tetrachlorobenzene	ug/l	NA	
1,2,4-Trichlorobenzene	ug/l	NA	
1,2-Dichlorobenzene	ug/l	NA	
1,3-Dichlorobenzene	ug/l	NA	
1,4-Dichlorobenzene	ug/l	NA	
1,4-Naphthoquinone	ug/l	NA	
1-Naphthylamine	ug/l	NA	
2,3,4,6-Tetrachlorophenol	ug/l	NA	
2,4,5-Trichlorophenol	ug/l	NA	
2,4,6-Trichlorophenol	ug/l	NA	
2,4-Dichlorophenol	ug/l	NA	
2,4-Dimethylphenol	ug/l	NA	
2,4-Dinitrophenol	ug/l	NA	
2,4-Dinitrotoluene	ug/l	NA	
2,6-Dichlorophenol	ug/l	NA	
2,6-Dinitrotoluene	ug/l	NA	
2-Acetylaminofluorene	ug/l	NA	
2-Chloronaphthalene	ug/l	NA	
2-Chlorophenol	ug/l	NA	
2-Methylnaphthalene	ug/l	NA	
2-Naphthylamine	ug/l	NA	
2-Nitrophenol	ug/l	NA	
2-Picoline	ug/l	NA	

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER	HA2664
SAMPLE POINT	GWMW209-TB
SAMPLING DATE	900615

PARAMETER	UNITS	VALUE	FLAG
2-sec-Butyl-4,6-dinitrophenol	ug/l	NA	
3,3'-Dichlorobenzidine	ug/l	NA	
3,3'-Dimethylbenzidine	ug/l	NA	
3-Methylcholanthrene	ug/l	NA	
4,6-Dinitro-o-cresol	ug/l	NA	
4-Aminobiphenyl	ug/l	NA	
4-Bromophenyl phenyl ether	ug/l	NA	
4-Chlorophenyl phenyl ether	ug/l	NA	
4-Nitrophenol	ug/l	NA	
4-Nitroquinoline-N-oxide	ug/l	NA	
5-Nitro-o-toluidine	ug/l	NA	
7,12-Dimethylbenzo(a)anthracen	ug/l	NA	
Acenaphthene	ug/l	NA	
Acenaphthylene	ug/l	NA	
Acetophenone	ug/l	NA	
Aniline	ug/l	NA	
Anthracene	ug/l	NA	
Aramite	ug/l	NA	
Benzo(a)anthracene	ug/l	NA	
Benzo(a)pyrene	ug/l	NA	
Benzo(b)fluoranthene	ug/l	NA	
Benzo(ghi)perylene	ug/l	NA	
Benzo(k)fluoranthene	ug/l	NA	
Benzyl alcohol	ug/l	NA	
Butyl benzyl phthalate	ug/l	NA	
Chrysene	ug/l	NA	
Di-n-butyl phthalate	ug/l	NA	
Di-n-octyl phthalate	ug/l	NA	
Diallate	ug/l	NA	
Dibenzo(a,h)anthracene	ug/l	NA	
Dibenzofuran	ug/l	NA	
Diethyl phthalate	ug/l	NA	
Dimethyl phthalate	ug/l	NA	
Diphenylamine	ug/l	NA	
Ethyl methanesulfonate	ug/l	NA	
Fluoranthene	ug/l	NA	
Fluorene	ug/l	NA	

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER	HA2664
SAMPLE POINT	GWMW209-TB
SAMPLING DATE	900615

PARAMETER	UNITS	VALUE	FLAG
Hexachlorobenzene	ug/l	NA	
Hexachlorobutadiene	ug/l	NA	
Hexachlorocyclopentadiene	ug/l	NA	
Hexachloroethane	ug/l	NA	
Hexachlorophene	ug/l	NA	
Hexachloropropene	ug/l	NA	
Indeno(1,2,3-c,d)pyrene	ug/l	NA	
Isodrin	ug/l	NA	
Isophorone	ug/l	NA	
Isosafrole	ug/l	NA	
Methapyrilene	ug/l	NA	
Methyl methanesulfonate	ug/l	NA	
N-Nitrosodi-n-butylamine	ug/l	NA	
N-Nitrosodi-n-propylamine	ug/l	NA	
N-Nitrosodiethylamine	ug/l	NA	
N-Nitrosodimethylamine	ug/l	NA	
N-Nitrosodiphenylamine	ug/l	NA	
N-Nitrosomethylethylamine	ug/l	NA	
N-Nitrosomorpholine	ug/l	NA	
N-Nitrosopiperidine	ug/l	NA	
N-Nitrosopyrrolidine	ug/l	NA	
Naphthalene	ug/l	NA	
Nitrobenzene	ug/l	NA	
O,O,O-Triethyl phosphorothioat	ug/l	NA	
Pentachlorobenzene	ug/l	NA	
Pentachloronitrobenzene	ug/l	NA	
Pentachlorophenol	ug/l	NA	
Phenacetin	ug/l	NA	
Phenanthrene	ug/l	NA	
Phenol	ug/l	NA	
Pronamide	ug/l	NA	
Pyrene	ug/l	NA	
Pyridine	ug/l	NA	
Safrole	ug/l	NA	
Tetraethyldithiopyrophosphate	ug/l	NA	
a-a-Dimethylphenethylamine	ug/l	NA	
bis(2-Chloroethoxy)methane	ug/l	NA	

PIERSON CREEK LANDFILL
GROUNDWATER

ETC SAMPLE NUMBER	HA2664
SAMPLE POINT	GWMW209-TB
SAMPLING DATE	900615

PARAMETER	UNITS	VALUE	FLAG
bis(2-Chloroethyl) ether	ug/l	NA	
bis(2-Chloroisopropyl)ether	ug/l	NA	
bis(2-Ethylhexyl)phthalate	ug/l	NA	
m+p-Cresols	ug/l	NA	
m-Dinitrobenzene	ug/l	NA	
m-Nitroaniline	ug/l	NA	
o-Cresol	ug/l	NA	
o-Nitroaniline	ug/l	NA	
o-Toluidine	ug/l	NA	
p-Chloro-m-cresol	ug/l	NA	
p-Chloroaniline	ug/l	NA	
p-Dimethylaminoazobenzene	ug/l	NA	
p-Nitroaniline	ug/l	NA	
p-phenylenediamine	ug/l	NA	
sym-Trinitrobenzene	ug/l	NA	
Antimony	ug/l	NA	
Arsenic	ug/l	NA	
Barium	ug/l	NA	
Beryllium	ug/l	NA	
Cadmium	ug/l	NA	
Chromium	ug/l	NA	
Cobalt	ug/l	NA	
Copper	ug/l	NA	
Lead	ug/l	NA	
Mercury	ug/l	NA	
Nickel	ug/l	NA	
Selenium	ug/l	NA	
Silver	ug/l	NA	
Thallium	ug/l	NA	
Tin	ug/l	NA	
Vanadium	ug/l	NA	
Zinc	ug/l	NA	
Cyanide, Total	ug/l	NA	
Sulfide as S	mg/l	NA	

Phase IIA Remedial Investigation of Four Inactive Solid Waste Landfills

at the
Du Pont Montague Facility
Montague, Michigan

Prepared for
E.I. du Pont de Nemours and Co., Inc.

Prepared by

CH2M HILL

Milwaukee, Wisconsin

April 1992

GLT221/059.51-1

Conventional Analyses

Introduction

Conventional analyses are the analytical tests involving colorimetric techniques for sulfide, cyanide, total organic halides, percent ash, Btu content, and percent solids parameters. The analyses were performed in accordance with the *Test Methods for Evaluating Solid Waste* [8] and the QAPP.

The conventional analyses data generated were reviewed and validated using procedures similar to organic and inorganic analyses protocols and criteria defined in the QAPP. The review of the data consisted of checking that the QA/QC measures were performed and acceptable for holding time, calibration, blanks, spikes, duplicates, reporting limits, and overall system performance.

Laboratory Chronicle

The Laboratory Chronicle form is used as a bench log to record preparation and analysis dates, preparation volumes, analyte response, calibrations, blanks, duplicates, and reported values. Review of this information is necessary for verifying QC batch frequency, appropriate preparation procedures, and calculating holding times. Information regarding calibrations, blanks, spikes, and duplicates is contained on this form.

Evaluation

Data that do not meet the criteria are flagged. Flags used in the results summary tables and their meaning are:

U **Undetected.** Analyte was analyzed for but not detected above reported value.

B Analyte was detected in the sample and in the associated method, field, or trip blank. Quantitation of the analyte is biased high by the presence of the contaminant. The presence of the analyte in the sample may or may not be wholly attributed to the contamination.

J **Estimated Concentration Values.** Analyte was present but reported value may not be accurate or precise because QA/QC measures were outside acceptance limits.

BMDL **Estimated Concentration Value.** Analyte concentration is above instrument detection limit but below quantitation limit for the method. The identity of the analyte is not confirmed, but because of the analytical technique used the identity of the analyte is credible.

UJ, L **Undetected.** Analyte was analyzed for but not detected at the reported limit. The reported value may be biased low, and the reported value is expected to be higher.

Specific Discussions for Conventional Analyses

All QA/QC objectives were met, and the data are usable without qualification.

Conclusions

The organic, inorganic, and conventional data were reviewed and validated using procedures analogous to the EPA *Data Validation Functional Guidelines* and performance criteria defined in the QAPP. The data were acceptable and met the data quality objectives.

GLT287/004.51

DU PONT-MONTAGUE FACILITY
PIERSON CREEK LANDFILL

		Lab ID:	GC5765	GC5764	GC5757	GC5759
		Sample ID:	FB-PCL-03	FR-PCL-05D	MW-250	PCL-05D
		Collect Date:	08/14/91	08/14/91	08/14/91	08/14/91
Parameter	Units	Test	Value Q	Value Q	Value Q	Value Q
1,1,1,2-Tetrachloroethane	ug/l	VOC	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/l	VOC	3.8 U	3.8 U	2.43 J	3.8 U
1,1,2,2-Tetrachloroethane	ug/l	VOC	6.9 U	6.9 U	6.9 U	6.9 U
1,1,2-Trichloroethane	ug/l	VOC	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/l	VOC	4.7 U	4.7 U	4.7 U	4.7 U
1,1-Dichloroethylene	ug/l	VOC	2.8 U	2.8 U	2.8 U	2.8 U
1,2,3-Trichloropropane	ug/l	VOC	10 U	10 U	10 U	10 U
1,2-Dibromo-3-chloropropane	ug/l	VOC	10 U	10 U	10 U	10 U
1,2-Dibromoethane	ug/l	VOC	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/l	VOC	2.8 U	2.8 U	2.8 U	2.8 U
1,2-Dichloropropane	ug/l	VOC	6 U	6 U	6 U	6 U
1,2-Trans-dichloroethylene	ug/l	VOC	1.6 U	1.6 U	8.5	1.6 U
1,4-Dichloro-2-butene	ug/l	VOC	10 U	10 U	10 U	10 U
2-Chloro-1,3-butadiene	ug/l	VOC	-- IND	-- IND	-- IND	-- IND
2-Hexanone	ug/l	VOC	10 U	10 U	10 U	10 U
Acetone	ug/l	VOC	10 U	10 U	10 U	10 U
Acrolein	ug/l	VOC	100 U	100 U	100 U	100 U
Acrylonitrile	ug/l	VOC	100 U	100 U	100 U	100 U
Benzene	ug/l	VOC	4.4 U	4.4 U	4.4 U	4.4 U
Bromoform	ug/l	VOC	4.7 U	4.7 U	4.7 U	4.7 U
Carbon disulfide	ug/l	VOC	10 U	10 U	10 U	10 U
Carbon tetrachloride	ug/l	VOC	2.8 U	2.8 U	2.8 U	2.8 U
Chlorobenzene	ug/l	VOC	6 U	6 U	6 U	6 U
Chlorodibromomethane	ug/l	VOC	3.1 U	3.1 U	3.1 U	3.1 U
Chloroethane	ug/l	VOC	10 U	10 U	10 U	10 U
Chloroform	ug/l	VOC	1.6 U	1.6 U	1.6 U	1.6 U
Dibromomethane	ug/l	VOC	10 U	10 U	10 U	10 U
Dichlorobromomethane	ug/l	VOC	2.2 U	2.2 U	2.2 U	2.2 U
Dichlorodifluoromethane	ug/l	VOC	10 U	10 U	10 U	10 U
Ethyl methacrylate	ug/l	VOC	10 U	10 U	10 U	10 U
Ethylbenzene	ug/l	VOC	7.2 U	7.2 U	7.2 U	7.2 U
Iodomethane	ug/l	VOC	10 U	10 U	10 U	10 U
Methyl bromide	ug/l	VOC	10 U	10 U	10 U	10 U
Methyl chloride	ug/l	VOC	10 U	10 U	10 U	10 U
Methyl ethyl ketone	ug/l	VOC	10 U	10 U	10 U	10 U
Methyl methacrylate	ug/l	VOC	10 U	10 U	10 U	10 U
Methyl-iso-butyl ketone	ug/l	VOC	10 U	10 U	10 U	10 U
Methylene chloride	ug/l	VOC	2.8 U	2.8 U	2.8 U	2.8 U
Pentachloroethane	ug/l	VOC	0 U	0 U	0 U	0 U
Styrene	ug/l	VOC	10 U	10 U	10 U	10 U
Tetrachloroethylene	ug/l	VOC	4.1 U	4.1 U	254	4.1 U
Toluene	ug/l	VOC	6 U	6 U	6 U	6 U
Trichloroethylene	ug/l	VOC	1.9 U	1.9 U	12.6	1.9 U
Trichlorofluoromethane	ug/l	VOC	10 U	10 U	10 U	10 U
Vinyl acetate	ug/l	VOC	10 U	10 U	10 U	10 U
Vinyl chloride	ug/l	VOC	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropylene	ug/l	VOC	5 U	5 U	5 U	5 U
m-Xylene	ug/l	VOC	10 U	10 U	10 U	10 U
o+p-Xylenes	ug/l	VOC	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropylene	ug/l	VOC	10 U	10 U	10 U	10 U

DU PONT-MONTAGUE FACILITY
PIERSON CREEK LANDFILL

		Lab ID:	GC5765	GC5764	GC5757	GC5759
		Sample ID:	FB-PCL-03	FR-PCL-05D	MW-250	PCL-05D
		Collect Date:	08/14/91	08/14/91	08/14/91	08/14/91
Parameter	Units	Test	Value Q	Value Q	Value Q	Value Q
1,2,4,5-Tetrachlorobenzene	ug/l	SVOC	10 U	10 U	11 U	10 U
1,2,4-Trichlorobenzene	ug/l	SVOC	1.9 U	1.9 U	2 U	1.9 U
1,2-Dichlorobenzene	ug/l	SVOC	1.9 U	1.9 U	2 U	1.9 U
1,3-Dichlorobenzene	ug/l	SVOC	1.9 U	1.9 U	2 U	1.9 U
1,4-Dichlorobenzene	ug/l	SVOC	4.4 U	4.4 U	4.7 U	4.4 U
1,4-Naphthoquinone	ug/l	SVOC	10 U	10 U	11 U	10 U
1-Naphthylamine	ug/l	SVOC	10 U	10 U	11 U	10 U
2,3,4,6-Tetrachlorophenol	ug/l	SVOC	10 U	10 U	11 U	10 U
2,4,5-Trichlorophenol	ug/l	SVOC	10 U	10 U	11 U	10 U
2,4,6-Trichlorophenol	ug/l	SVOC	2.7 U	2.7 U	2.9 U	2.7 U
2,4-Dichlorophenol	ug/l	SVOC	2.7 U	2.7 U	2.9 U	2.7 U
2,4-Dimethylphenol	ug/l	SVOC	2.7 U	2.7 U	2.9 U	2.7 U
2,4-Dinitrophenol	ug/l	SVOC	42 U	42 U	45 U	42 U
2,4-Dinitrotoluene	ug/l	SVOC	5.8 U	5.8 U	6.1 U	5.8 U
2,6-Dichlorophenol	ug/l	SVOC	10 U	10 U	11 U	10 U
2,6-Dinitrotoluene	ug/l	SVOC	1.9 U	1.9 U	2 U	1.9 U
2-Acetylaminofluorene	ug/l	SVOC	10 U	10 U	11 U	10 U
2-Chloronaphthalene	ug/l	SVOC	1.9 U	1.9 U	2 U	1.9 U
2-Chlorophenol	ug/l	SVOC	3.3 U	3.3 U	3.5 U	3.3 U
2-Methylnaphthalene	ug/l	SVOC	10 U	10 U	0.621 J	10 U
2-Naphthylamine	ug/l	SVOC	10 U	10 U	11 U	10 U
2-Nitrophenol	ug/l	SVOC	3.6 U	3.6 U	3.8 U	3.6 U
2-Picoline	ug/l	SVOC	10 U	10 U	11 U	10 U
2-sec-Butyl-4,6-dinitrophenol	ug/l	SVOC	10 U	10 U	11 U	10 U
3,3'-Dichlorobenzidine	ug/l	SVOC	16.7 U	16.7 U	17.6 U	16.7 U
3,3'-Dimethylbenzidine	ug/l	SVOC	10 U	10 U	11 U	10 U
3-Methylcholanthrene	ug/l	SVOC	5.6 U	5.6 U	5.9 U	5.6 U
4,6-Dinitro-o-cresol	ug/l	SVOC	24 U	24 U	26 U	24 U
4-Aminobiphenyl	ug/l	SVOC	10 U	10 U	11 U	10 U
4-Bromophenyl phenyl ether	ug/l	SVOC	1.9 U	1.9 U	2 U	1.9 U
4-Chlorophenyl phenyl ether	ug/l	SVOC	4.2 U	4.2 U	4.5 U	4.2 U
4-Nitrophenol	ug/l	SVOC	2.4 U	2.4 U	2.6 U	2.4 U
4-Nitroquinoline-N-oxide	ug/l	SVOC	-- IND	-- IND	-- IND	-- IND
5-Nitro-o-toluidine	ug/l	SVOC	10 U	10 U	11 U	10 U
7,12-Dimethylbenzo(a)anthracene	ug/l	SVOC	10 U	10 U	11 U	10 U
Acenaphthene	ug/l	SVOC	1.9 U	1.9 U	2 U	1.9 U
Acenaphthylene	ug/l	SVOC	3.5 U	3.5 U	8.34 J	3.5 U
Acetophenone	ug/l	SVOC	10 U	10 U	11 U	10 U
Aniline	ug/l	SVOC	10 U	10 U	11 U	10 U
Anthracene	ug/l	SVOC	1.9 U	1.9 U	2 U	1.9 U
Aramite	ug/l	SVOC	-- IND	-- IND	-- IND	-- IND
Benzo(a)anthracene	ug/l	SVOC	7.9 U	7.9 U	8.3 U	7.9 U
Benzo(a)pyrene	ug/l	SVOC	2.5 U	2.5 U	2.7 U	2.5 U
Benzo(b)fluoranthene	ug/l	SVOC	4.8 U	4.8 U	5.1 U	4.8 U
Benzo(ghi)perylene	ug/l	SVOC	4.1 U	4.1 U	4.4 U	4.1 U
Benzo(k)fluoranthene	ug/l	SVOC	2.5 U	2.5 U	2.7 U	2.5 U
Benzyl alcohol	ug/l	SVOC	10 U	10 U	11 U	10 U
Butyl benzyl phthalate	ug/l	SVOC	10 U	10 U	11 U	10 U
Chrysene	ug/l	SVOC	2.5 U	2.5 U	2.7 U	2.5 U
Di-n-butyl phthalate	ug/l	SVOC	10 U	10 U	1.97 J	10 U

DU PONT-MONTAGUE FACILITY
PIERSON CREEK LANDFILL

		Lab ID:	GC5765	GC5764	GC5757	GC5759
		Sample ID:	FB-PCL-03	FR-PCL-05D	MW-250	PCL-05D
		Collect Date:	08/14/91	08/14/91	08/14/91	08/14/91
Parameter	Units	Test	Value Q	Value Q	Value Q	Value Q
Di-n-octyl phthalate	ug/l	SVOC	10 U	10 U	11 U	10 U
Diallate	ug/l	SVOC	10 U	10 U	11 U	10 U
Dibenzo(a,h)anthracene	ug/l	SVOC	2.5 U	2.5 U	2.7 U	2.5 U
Dibenzofuran	ug/l	SVOC	10 U	10 U	11 U	10 U
Diethyl phthalate	ug/l	SVOC	10 U	10 U	11 U	10 U
Dimethyl phthalate	ug/l	SVOC	10 U	10 U	11 U	10 U
Diphenylamine	ug/l	SVOC	10 U	10 U	11 U	10 U
Ethyl methanesulfonate	ug/l	SVOC	10 U	10 U	11 U	10 U
Fluoranthene	ug/l	SVOC	2.2 U	2.2 U	2.3 U	2.2 U
Fluorene	ug/l	SVOC	1.9 U	1.9 U	2 U	1.9 U
Hexachlorobenzene	ug/l	SVOC	1.9 U	1.9 U	2 U	1.9 U
Hexachlorobutadiene	ug/l	SVOC	0.91 U	0.91 U	0.96 U	0.91 U
Hexachlorocyclopentadiene	ug/l	SVOC	10 U	10 U	11 U	10 U
Hexachloroethane	ug/l	SVOC	1.6 U	1.6 U	1.7 U	1.6 U
Hexachlorophene	ug/l	SVOC	10 U	10 U	11 U	10 U
Hexachloropropene	ug/l	SVOC	10 U	10 U	11 U	10 U
Indeno(1,2,3-c,d)pyrene	ug/l	SVOC	3.7 U	3.7 U	3.9 U	3.7 U
Isodrin	ug/l	SVOC	6 U	6 U	6.3 U	6 U
Isophorone	ug/l	SVOC	2.2 U	2.2 U	2.3 U	2.2 U
Isosafrole	ug/l	SVOC	10 U	10 U	11 U	10 U
Methapyrilene	ug/l	SVOC	-- IND	-- IND	-- IND	-- IND
Methyl methanesulfonate	ug/l	SVOC	10 U	10 U	11 U	10 U
N-Nitrosodi-n-butylamine	ug/l	SVOC	10 U	10 U	11 U	10 U
N-Nitrosodi-n-propylamine	ug/l	SVOC	10 U	10 U	11 U	10 U
N-Nitrosodiethylamine	ug/l	SVOC	10 U	10 U	11 U	10 U
N-Nitrosodimethylamine	ug/l	SVOC	10 U	10 U	11 U	10 U
N-Nitrosodiphenylamine	ug/l	SVOC	1.9 U	1.9 U	2 U	1.9 U
N-Nitrosomethylethylamine	ug/l	SVOC	10 U	10 U	11 U	10 U
N-Nitrosomorpholine	ug/l	SVOC	10 U	10 U	11 U	10 U
N-Nitrosopiperidine	ug/l	SVOC	10 U	10 U	11 U	10 U
N-Nitrosopyrrolidine	ug/l	SVOC	10 U	10 U	11 U	10 U
Naphthalene	ug/l	SVOC	1.6 U	1.6 U	1.7 U	1.6 U
Nitrobenzene	ug/l	SVOC	1.9 U	1.9 U	2 U	1.9 U
Pentachlorobenzene	ug/l	SVOC	10 U	10 U	11 U	10 U
Pentachloronitrobenzene	ug/l	SVOC	10 U	10 U	11 U	10 U
Pentachlorophenol	ug/l	SVOC	3.6 U	3.6 U	3.8 U	3.6 U
Phenacetin	ug/l	SVOC	10 U	10 U	11 U	10 U
Phenanthrene	ug/l	SVOC	5.5 U	5.5 U	5.7 U	5.5 U
Phenol	ug/l	SVOC	1.5 U	1.5 U	1.6 U	1.5 U
Pronamide	ug/l	SVOC	10 U	10 U	11 U	10 U
Pyrene	ug/l	SVOC	1.9 U	1.9 U	2 U	1.9 U
Pyridine	ug/l	SVOC	10 U	10 U	11 U	10 U
Safrole	ug/l	SVOC	10 U	10 U	11 U	10 U
Tetraethyldithiopyrophosphate	ug/l	SVOC	0 U	0 U	0 U	0 U
bis(2-Chloroethoxy)methane	ug/l	SVOC	5.4 U	5.4 U	5.6 U	5.4 U
bis(2-Chloroethyl) ether	ug/l	SVOC	5.8 U	5.8 U	6.1 U	5.8 U
bis(2-Chloroisopropyl)ether	ug/l	SVOC	5.8 U	5.8 U	6.1 U	5.8 U
bis(2-Ethylhexyl)phthalate	ug/l	SVOC	10 U	10.3	6.33 J	4.04 J
m+p-Cresols	ug/l	SVOC	10 U	10 U	11 U	10 U
m-Dinitrobenzene	ug/l	SVOC	10 U	10 U	11 U	10 U

DU PONT-MONTAGUE FACILITY
PIERSON CREEK LANDFILL

		Lab ID:	GC5765	GC5764	GC5757	GC5759
		Sample ID:	FB-PCL-03	FR-PCL-05D	MW-250	PCL-05D
		Collect Date:	08/14/91	08/14/91	08/14/91	08/14/91
Parameter	Units	Test	Value Q	Value Q	Value Q	Value Q
m-Nitroaniline	ug/l	SVOC	10 U	10 U	11 U	10 U
o-Cresol	ug/l	SVOC	10 U	10 U	11 U	10 U
o-Nitroaniline	ug/l	SVOC	10 U	10 U	11 U	10 U
o-Toluidine	ug/l	SVOC	10 U	10 U	11 U	10 U
p-Chloro-m-cresol	ug/l	SVOC	3 U	3 U	3.2 U	3 U
p-Chloroaniline	ug/l	SVOC	10 U	10 U	11 U	10 U
p-Dimethylaminoazobenzene	ug/l	SVOC	10 U	10 U	11 U	10 U
p-Nitroaniline	ug/l	SVOC	10 U	10 U	11 U	10 U
p-phenylenediamine	ug/l	SVOC	-- IND	-- IND	-- IND	-- IND
sym-Trinitrobenzene	ug/l	SVOC	-- IND	-- IND	-- IND	-- IND
a,a-Dimethylphenethylamine	ug/l	SVOC	-- IND	-- IND	-- IND	-- IND
o,o,o-Triethyl Phosphorothioate	ug/l	SVOC	-- IND	-- IND	-- IND	-- IND
Cyanide, Total	mg/l	CONV	0.025 U	0.025 U	0.025 U	0.025 U
Sulfide as S	mg/l	CONV	0.05 U	0.05 U	0.05 U	0.05 U
Antimony	ug/l	METAL	18 BMDL	60 U	60 U	60 U
Arsenic	ug/l	METAL	10 U	10 U	4 BMDL	10 U
Barium	ug/l	METAL	20 U	13 BMDL	20	20 U
Beryllium	ug/l	METAL	1 U	1 U	1 U	1 U
Cadmium	ug/l	METAL	2 U	2 U	2 U	2 U
Chromium	ug/l	METAL	10 U	10 U	10 U	10 U
Cobalt	ug/l	METAL	20 U	20 U	20 U	20 U
Copper	ug/l	METAL	7 BMDL	4.4 BMDL	9.2 BMDL	2.4 BMDL
Lead	ug/l	METAL	4.3 B	9.6 B	6.7 B	2.3 B
Mercury	ug/l	METAL	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	ug/l	METAL	20 U	20 U	4.3 BMDL	20 U
Selenium	ug/l	METAL	5 U	5 U	5 U	5 U
Silver	ug/l	METAL	10 U	10 U	10 U	10 U
Thallium	ug/l	METAL	10 U	10 U	10 U	10 U
Tin	ug/l	METAL	12 BMDL	50 U	50 U	50 U
Vanadium	ug/l	METAL	20 U	20 U	20 U	20 U
Zinc	ug/l	METAL	97 B	79 B	83 B	39 B
1,1,1-Trichloroethane	ug/l	VOCLL	0.76 U	0.76 U	1.5	0.76 U
1,1,2,2-Tetrachloroethane	ug/l	VOCLL	1.4 U	1.4 U	1.4 U	1.4 U
1,1,2-Trichloroethane	ug/l	VOCLL	1 U	1 U	1 U	1 U
1,1-Dichloroethane	ug/l	VOCLL	0.94 U	0.94 U	0.94 U	0.94 U
1,1-Dichloroethylene	ug/l	VOCLL	0.56 U	0.56 U	0.56 U	0.56 U
1,2-Dichloroethane	ug/l	VOCLL	0.56 U	0.56 U	0.56 U	0.56 U
1,2-Dichloropropane	ug/l	VOCLL	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Trans-dichloroethylene	ug/l	VOCLL	0.32 U	0.32 U	7.86	0.32 U
Acrolein	ug/l	VOCLL	20 U	20 U	20 U	20 U
Acrylonitrile	ug/l	VOCLL	20 U	20 U	20 U	20 U
Benzene	ug/l	VOCLL	0.88 U	0.88 U	0.88 U	0.88 U
Bromoform	ug/l	VOCLL	0.94 U	0.94 U	0.94 U	0.94 U
Carbon tetrachloride	ug/l	VOCLL	0.56 U	0.56 U	0.56 U	0.56 U
Chlorobenzene	ug/l	VOCLL	1.2 U	1.2 U	1.2 U	1.2 U

DU PONT-MONTAGUE FACILITY
PIERSON CREEK LANDFILL

		Lab ID:	GC5765	GC5764	GC5757	GC5759
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		Collect Date:	08/14/91	08/14/91	08/14/91	08/14/91
Parameter	Units	Test	Value Q	Value Q	Value Q	Value Q
Chlorodibromomethane	ug/l	VOCLL	0.62 U	0.62 U	0.62 U	0.62 U
Chloroethane	ug/l	VOCLL	2 U	2 U	2 U	2 U
Chloroform	ug/l	VOCLL	0.32 U	0.32 U	1.31	0.32 U
Dichlorobromomethane	ug/l	VOCLL	0.44 U	0.44 U	0.44 U	0.44 U
Dichlorodifluoromethane	ug/l	VOCLL	2 U	2 U	2 U	2 U
Ethylbenzene	ug/l	VOCLL	1.4 U	1.4 U	1.4 U	1.4 U
Methyl bromide	ug/l	VOCLL	2 U	2 U	2 U	2 U
Methyl chloride	ug/l	VOCLL	2 U	2 U	2 U	2 U
Methylene chloride	ug/l	VOCLL	2.1	0.56 U	0.56 U	0.56 U
Tetrachloroethylene	ug/l	VOCLL	0.82 U	0.82 U	120	0.82 U
Toluene	ug/l	VOCLL	1.2 U	1.2 U	2.44	1.2 U
Trichloroethylene	ug/l	VOCLL	0.38 U	0.38 U	9.63	0.38 U
Trichlorofluoromethane	ug/l	VOCLL	2 U	2 U	2 U	2 U
Vinyl chloride	ug/l	VOCLL	2 U	2 U	2 U	2 U
cis-1,3-Dichloropropylene	ug/l	VOCLL	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropylene	ug/l	VOCLL	2 U	2 U	2 U	2 U

DU PONT-MONTAGUE FACILITY
PIERSON CREEK LANDFILL

		Lab ID:	GC5766	GC5754	GC5755	GC5758
		Sample ID:	PCL-05DTB	PCL-208D	PCL-208S	PCL-209
		Collect Date:	08/14/91	08/13/91	08/13/91	08/14/91
Parameter	Units	Test	Value Q	Value Q	Value Q	Value Q
1,1,1,2-Tetrachloroethane	ug/l	VOC	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/l	VOC	3.8 U	3.8 U	2.68 J	3.8 U
1,1,2,2-Tetrachloroethane	ug/l	VOC	6.9 U	6.9 U	6.9 U	6.9 U
1,1,2-Trichloroethane	ug/l	VOC	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/l	VOC	4.7 U	4.7 U	4.7 U	4.7 U
1,1-Dichloroethylene	ug/l	VOC	2.8 U	2.8 U	2.8 U	2.8 U
1,2,3-Trichloropropane	ug/l	VOC	10 U	10 U	10 U	10 U
1,2-Dibromo-3-chloropropane	ug/l	VOC	10 U	10 U	10 U	10 U
1,2-Dibromoethane	ug/l	VOC	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/l	VOC	2.8 U	2.8 U	2.8 U	2.8 U
1,2-Dichloropropane	ug/l	VOC	6 U	6 U	6 U	6 U
1,2-Trans-dichloroethylene	ug/l	VOC	1.6 U	1.6 U	1.6 U	1.6 U
1,4-Dichloro-2-butene	ug/l	VOC	10 U	10 U	10 U	10 U
2-Chloro-1,3-butadiene	ug/l	VOC	-- IND	-- IND	-- IND	-- IND
2-Hexanone	ug/l	VOC	10 U	10 U	10 U	10 U
Acetone	ug/l	VOC	10 U	10 U	10 U	10 U
Acrolein	ug/l	VOC	100 U	100 U	100 U	100 U
Acrylonitrile	ug/l	VOC	100 U	100 U	100 U	100 U
Benzene	ug/l	VOC	4.4 U	4.4 U	5.81	4.4 U
Bromoform	ug/l	VOC	4.7 U	4.7 U	4.7 U	4.7 U
Carbon disulfide	ug/l	VOC	10 U	10 U	10 U	10 U
Carbon tetrachloride	ug/l	VOC	2.8 U	2.8 U	2.8 U	2.8 U
Chlorobenzene	ug/l	VOC	6 U	6 U	6 U	6 U
Chlorodibromomethane	ug/l	VOC	3.1 U	3.1 U	3.1 U	3.1 U
Chloroethane	ug/l	VOC	10 U	10 U	10 U	10 U
Chloroform	ug/l	VOC	1.6 U	1.6 U	4.87	1.6 U
Dibromomethane	ug/l	VOC	10 U	10 U	10 U	10 U
Dichlorobromomethane	ug/l	VOC	2.2 U	2.2 U	2.2 U	2.2 U
Dichlorodifluoromethane	ug/l	VOC	10 U	10 U	10 U	10 U
Ethyl methacrylate	ug/l	VOC	10 U	10 U	10 U	10 U
Ethylbenzene	ug/l	VOC	7.2 U	7.2 U	7.2 U	7.2 U
Iodomethane	ug/l	VOC	10 U	10 U	10 U	10 U
Methyl bromide	ug/l	VOC	10 U	10 U	10 U	10 U
Methyl chloride	ug/l	VOC	10 U	10 U	10 U	10 U
Methyl ethyl ketone	ug/l	VOC	10 U	10 U	10 U	10 U
Methyl methacrylate	ug/l	VOC	10 U	10 U	10 U	10 U
Methyl-iso-butyl ketone	ug/l	VOC	10 U	10 U	10 U	10 U
Methylene chloride	ug/l	VOC	2.8 U	2.8 U	2.8 U	2.8 U
Pentachloroethane	ug/l	VOC	0 U	0 U	0 U	0 U
Styrene	ug/l	VOC	10 U	10 U	10 U	10 U
Tetrachloroethylene	ug/l	VOC	4.1 U	4.1 U	12.7	4.1 U
Toluene	ug/l	VOC	6 U	6 U	6 U	6 U
Trichloroethylene	ug/l	VOC	1.9 U	1.9 U	1.9 U	1.9 U
Trichlorofluoromethane	ug/l	VOC	10 U	10 U	10 U	10 U
Vinyl acetate	ug/l	VOC	10 U	10 U	10 U	10 U
Vinyl chloride	ug/l	VOC	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropylene	ug/l	VOC	5 U	5 U	5 U	5 U
m-Xylene	ug/l	VOC	10 U	10 U	10 U	10 U
o+p-Xylenes	ug/l	VOC	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropylene	ug/l	VOC	10 U	10 U	10 U	10 U

DU PONT-MONTAGUE FACILITY
PIERSON CREEK LANDFILL

		Lab ID:	GC5766	GC5754	GC5755	GC5758
		Sample ID:	PCL-05DTB	PCL-208D	PCL-208S	PCL-209
		Collect Date:	08/14/91	08/13/91	08/13/91	08/14/91
Parameter	Units	Test	Value Q	Value Q	Value Q	Value Q
1,2,4,5-Tetrachlorobenzene	ug/l	SVOC	NR	10 U	10 U	10 U
1,2,4-Trichlorobenzene	ug/l	SVOC	NR	1.9 U	1.9 U	1.9 U
1,2-Dichlorobenzene	ug/l	SVOC	NR	1.9 U	1.9 U	1.9 U
1,3-Dichlorobenzene	ug/l	SVOC	NR	1.9 U	1.9 U	1.9 U
1,4-Dichlorobenzene	ug/l	SVOC	NR	4.4 U	4.4 U	4.4 U
1,4-Naphthoquinone	ug/l	SVOC	NR	10 U	10 U	10 U
1-Naphthylamine	ug/l	SVOC	NR	10 U	10 U	10 U
2,3,4,6-Tetrachlorophenol	ug/l	SVOC	NR	10 U	10 U	10 U
2,4,5-Trichlorophenol	ug/l	SVOC	NR	10 U	10 U	10 U
2,4,6-Trichlorophenol	ug/l	SVOC	NR	2.7 U	2.7 U	2.7 U
2,4-Dichlorophenol	ug/l	SVOC	NR	2.7 U	2.7 U	2.7 U
2,4-Dimethylphenol	ug/l	SVOC	NR	2.7 U	2.7 U	2.7 U
2,4-Dinitrophenol	ug/l	SVOC	NR	42 U	42 U	42 U
2,4-Dinitrotoluene	ug/l	SVOC	NR	5.8 U	5.8 U	5.8 U
2,6-Dichlorophenol	ug/l	SVOC	NR	10 U	10 U	10 U
2,6-Dinitrotoluene	ug/l	SVOC	NR	1.9 U	1.9 U	1.9 U
2-Acetylaminofluorene	ug/l	SVOC	NR	10 U	10 U	10 U
2-Chloronaphthalene	ug/l	SVOC	NR	1.9 U	1.9 U	1.9 U
2-Chlorophenol	ug/l	SVOC	NR	3.3 U	3.3 U	3.3 U
2-Methylnaphthalene	ug/l	SVOC	NR	10 U	10 U	10 U
2-Naphthylamine	ug/l	SVOC	NR	10 U	10 U	10 U
2-Nitrophenol	ug/l	SVOC	NR	3.6 U	3.6 U	3.6 U
2-Picoline	ug/l	SVOC	NR	10 U	10 U	10 U
2-sec-Butyl-4,6-dinitrophenol	ug/l	SVOC	NR	10 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/l	SVOC	NR	16.7 U	16.7 U	16.7 U
3,3'-Dimethylbenzidine	ug/l	SVOC	NR	10 U	10 U	10 U
3-Methylcholanthrene	ug/l	SVOC	NR	5.6 U	5.6 U	5.6 U
4,6-Dinitro-o-cresol	ug/l	SVOC	NR	24 U	24 U	24 U
4-Aminobiphenyl	ug/l	SVOC	NR	10 U	10 U	10 U
4-Bromophenyl phenyl ether	ug/l	SVOC	NR	1.9 U	1.9 U	1.9 U
4-Chlorophenyl phenyl ether	ug/l	SVOC	NR	4.2 U	4.2 U	4.2 U
4-Nitrophenol	ug/l	SVOC	NR	2.4 U	2.4 U	2.4 U
4-Nitroquinoline-N-oxide	ug/l	SVOC	NR	-- IND	-- IND	-- IND
5-Nitro-o-toluidine	ug/l	SVOC	NR	10 U	10 U	10 U
7,12-Dimethylbenzo(a)anthracene	ug/l	SVOC	NR	10 U	10 U	10 U
Acenaphthene	ug/l	SVOC	NR	1.9 U	1.9 U	1.9 U
Acenaphthylene	ug/l	SVOC	NR	3.5 U	3.5 U	3.5 U
Acetophenone	ug/l	SVOC	NR	10 U	10 U	10 U
Aniline	ug/l	SVOC	NR	10 U	10 U	10 U
Anthracene	ug/l	SVOC	NR	1.9 U	1.9 U	1.9 U
Aramite	ug/l	SVOC	NR	-- IND	-- IND	-- IND
Benzo(a)anthracene	ug/l	SVOC	NR	7.9 U	7.9 U	7.9 U
Benzo(a)pyrene	ug/l	SVOC	NR	2.5 U	2.5 U	2.5 U
Benzo(b)fluoranthene	ug/l	SVOC	NR	4.8 U	4.8 U	4.8 U
Benzo(ghi)perylene	ug/l	SVOC	NR	4.1 U	4.1 U	4.1 U
Benzo(k)fluoranthene	ug/l	SVOC	NR	2.5 U	2.5 U	2.5 U
Benzyl alcohol	ug/l	SVOC	NR	10 U	10 U	10 U
Butyl benzyl phthalate	ug/l	SVOC	NR	10 U	10 U	10 U
Chrysene	ug/l	SVOC	NR	2.5 U	2.5 U	2.5 U
Di-n-butyl phthalate	ug/l	SVOC	NR	10 U	10 U	10 U

DU PONT-MONTAGUE FACILITY
PIERSON CREEK LANDFILL

		Lab ID:	GC5766	GC5754	GC5755	GC5758
		Sample ID:	PCL-05DTB	PCL-208D	PCL-208S	PCL-209
		Collect Date:	08/14/91	08/13/91	08/13/91	08/14/91
Parameter	Units	Test	Value Q	Value Q	Value Q	Value Q
Di-n-octyl phthalate	ug/l	SVOC	NR	10 U	10 U	10 U
Diallate	ug/l	SVOC	NR	10 U	10 U	10 U
Dibenzo(a,h)anthracene	ug/l	SVOC	NR	2.5 U	2.5 U	2.5 U
Dibenzofuran	ug/l	SVOC	NR	10 U	10 U	10 U
Diethyl phthalate	ug/l	SVOC	NR	10 U	10 U	10 U
Dimethyl phthalate	ug/l	SVOC	NR	10 U	10 U	10 U
Diphenylamine	ug/l	SVOC	NR	10 U	10 U	10 U
Ethyl methanesulfonate	ug/l	SVOC	NR	10 U	10 U	10 U
Fluoranthene	ug/l	SVOC	NR	2.2 U	2.2 U	2.2 U
Fluorene	ug/l	SVOC	NR	1.9 U	1.9 U	1.9 U
Hexachlorobenzene	ug/l	SVOC	NR	1.9 U	1.9 U	1.9 U
Hexachlorobutadiene	ug/l	SVOC	NR	0.91 U	0.91 U	0.91 U
Hexachlorocyclopentadiene	ug/l	SVOC	NR	10 U	10 U	10 U
Hexachloroethane	ug/l	SVOC	NR	1.6 U	1.6 U	1.6 U
Hexachlorophene	ug/l	SVOC	NR	10 U	10 U	10 U
Hexachloropropene	ug/l	SVOC	NR	10 U	10 U	10 U
Indeno(1,2,3-c,d)pyrene	ug/l	SVOC	NR	3.7 U	3.7 U	3.7 U
Isodrin	ug/l	SVOC	NR	6 U	6 U	6 U
Isophorone	ug/l	SVOC	NR	2.2 U	2.2 U	2.2 U
Isosafrole	ug/l	SVOC	NR	10 U	10 U	10 U
Methapyrilene	ug/l	SVOC	NR	-- IND	-- IND	-- IND
Methyl methanesulfonate	ug/l	SVOC	NR	10 U	10 U	10 U
N-Nitrosodi-n-butylamine	ug/l	SVOC	NR	10 U	10 U	10 U
N-Nitrosodi-n-propylamine	ug/l	SVOC	NR	10 U	10 U	10 U
N-Nitrosodiethylamine	ug/l	SVOC	NR	10 U	10 U	10 U
N-Nitrosodimethylamine	ug/l	SVOC	NR	10 U	10 U	10 U
N-Nitrosodiphenylamine	ug/l	SVOC	NR	1.9 U	1.9 U	1.9 U
N-Nitrosomethylethylamine	ug/l	SVOC	NR	10 U	10 U	10 U
N-Nitrosomorpholine	ug/l	SVOC	NR	10 U	10 U	10 U
N-Nitrosopiperidine	ug/l	SVOC	NR	10 U	10 U	10 U
N-Nitrosopyrrolidine	ug/l	SVOC	NR	10 U	10 U	10 U
Naphthalene	ug/l	SVOC	NR	1.6 U	0.496 J	1.6 U
Nitrobenzene	ug/l	SVOC	NR	1.9 U	1.9 U	1.9 U
Pentachlorobenzene	ug/l	SVOC	NR	10 U	10 U	10 U
Pentachloronitrobenzene	ug/l	SVOC	NR	10 U	10 U	10 U
Pentachlorophenol	ug/l	SVOC	NR	3.6 U	3.6 U	3.6 U
Phenacetin	ug/l	SVOC	NR	10 U	10 U	10 U
Phenanthrene	ug/l	SVOC	NR	5.5 U	5.5 U	5.5 U
Phenol	ug/l	SVOC	NR	1.5 U	1.5 U	1.5 U
Pronamide	ug/l	SVOC	NR	10 U	10 U	10 U
Pyrene	ug/l	SVOC	NR	1.9 U	1.9 U	1.9 U
Pyridine	ug/l	SVOC	NR	10 U	10 U	10 U
Safrole	ug/l	SVOC	NR	10 U	10 U	10 U
Tetraethyldithiopyrophosphate	ug/l	SVOC	NR	0 U	0 U	0 U
bis(2-Chloroethoxy)methane	ug/l	SVOC	NR	5.4 U	5.4 U	5.4 U
bis(2-Chloroethyl) ether	ug/l	SVOC	NR	5.8 U	5.8 U	5.8 U
bis(2-Chloroisopropyl)ether	ug/l	SVOC	NR	5.8 U	5.8 U	5.8 U
bis(2-Ethylhexyl)phthalate	ug/l	SVOC	NR	3.58 J	11.4	1.74 J
m+p-Cresols	ug/l	SVOC	NR	10 U	10 U	10 U
m-Dinitrobenzene	ug/l	SVOC	NR	10 U	10 U	10 U

DU PONT-MONTAGUE FACILITY
PIERSON CREEK LANDFILL

		Lab ID:	GC5766	GC5754	GC5755	GC5758
		Sample ID:	PCL-05DTB	PCL-208D	PCL-208S	PCL-209
		Collect Date:	08/14/91	08/13/91	08/13/91	08/14/91
Parameter	Units	Test	Value Q	Value Q	Value Q	Value Q
m-Nitroaniline	ug/l	SVOC	NR	10 U	10 U	10 U
o-Cresol	ug/l	SVOC	NR	10 U	10 U	10 U
o-Nitroaniline	ug/l	SVOC	NR	10 U	10 U	10 U
o-Toluidine	ug/l	SVOC	NR	10 U	10 U	10 U
p-Chloro-m-cresol	ug/l	SVOC	NR	3 U	3 U	3 U
p-Chloroaniline	ug/l	SVOC	NR	10 U	10 U	10 U
p-Dimethylaminoazobenzene	ug/l	SVOC	NR	10 U	10 U	10 U
p-Nitroaniline	ug/l	SVOC	NR	10 U	10 U	10 U
p-phenylenediamine	ug/l	SVOC	NR	-- IND	-- IND	-- IND
sym-Trinitrobenzene	ug/l	SVOC	NR	-- IND	-- IND	-- IND
a,a-Dimethylphenethylamine	ug/l	SVOC	NR	-- IND	-- IND	-- IND
o,o,o-Triethyl Phosphorothioate	ug/l	SVOC	NR	-- IND	-- IND	-- IND
Cyanide, Total	mg/l	CONV	NR	0.025 U	0.025 U	0.025 U
Sulfide as S	mg/l	CONV	NR	0.13	0.05 U	0.05 U
Antimony	ug/l	METAL	NR	60 U	60 U	60 U
Arsenic	ug/l	METAL	NR	10 U	38	10 U
Barium	ug/l	METAL	NR	7.5 BMDL	34	20 U
Beryllium	ug/l	METAL	NR	1 U	1 U	1 U
Cadmium	ug/l	METAL	NR	2 U	2 U	2 U
Chromium	ug/l	METAL	NR	10 U	10 U	10 U
Cobalt	ug/l	METAL	NR	20 U	20 U	20 U
Copper	ug/l	METAL	NR	6.8 BMDL	40	8 BMDL
Lead	ug/l	METAL	NR	5.1 B	3.4 B	1.6 B
Mercury	ug/l	METAL	NR	0.2 U	0.2 U	0.2 U
Nickel	ug/l	METAL	NR	20 U	6.8 BMDL	20 U
Selenium	ug/l	METAL	NR	5 U	5 U	5 U
Silver	ug/l	METAL	NR	10 U	10 U	10 U
Thallium	ug/l	METAL	NR	10 U	10 U	10 U
Tin	ug/l	METAL	NR	18 BMDL	50 U	31 BMDL
Vanadium	ug/l	METAL	NR	20 U	20 U	20 U
Zinc	ug/l	METAL	NR	92 B	79 B	95 B
1,1,1-Trichloroethane	ug/l	VOCLL	NA	0.76 U	2.72	0.452 J
1,1,2,2-Tetrachloroethane	ug/l	VOCLL	NA	1.4 U	1.4 U	1.4 U
1,1,2-Trichloroethane	ug/l	VOCLL	NA	1 U	1 U	1 U
1,1-Dichloroethane	ug/l	VOCLL	NA	0.94 U	0.808 J	0.94 U
1,1-Dichloroethylene	ug/l	VOCLL	NA	0.56 U	0.56 U	0.56 U
1,2-Dichloroethane	ug/l	VOCLL	NA	0.56 U	0.56 U	0.56 U
1,2-Dichloropropane	ug/l	VOCLL	NA	1.2 U	1.2 U	1.2 U
1,2-Trans-dichloroethylene	ug/l	VOCLL	NA	0.32 U	2.16	0.32 U
Acrolein	ug/l	VOCLL	NA	20 U	20 U	20 U
Acrylonitrile	ug/l	VOCLL	NA	20 U	20 U	20 U
Benzene	ug/l	VOCLL	NA	0.88 U	9.47	0.88 U
Bromoform	ug/l	VOCLL	NA	0.94 U	0.94 U	0.94 U
Carbon tetrachloride	ug/l	VOCLL	NA	0.56 U	0.56 U	0.56 U
Chlorobenzene	ug/l	VOCLL	NA	1.2 U	1.2 U	1.2 U

DU PONT-MONTAGUE FACILITY
PIERSON CREEK LANDFILL

		Lab ID:	GC5766	GC5754	GC5755	GC5758
		Sample ID:	PCL-05DTB	PCL-208D	PCL-208S	PCL-209
		Collect Date:	08/14/91	08/13/91	08/13/91	08/14/91
Parameter	Units	Test	Value Q	Value Q	Value Q	Value Q
Chlorodibromomethane	ug/l	VOCLL	NA	0.62 U	0.62 U	0.62 U
Chloroethane	ug/l	VOCLL	NA	2 U	2 U	2 U
Chloroform	ug/l	VOCLL	NA	0.32 U	4.51	0.32 U
Dichlorobromomethane	ug/l	VOCLL	NA	0.44 U	0.44 U	0.44 U
Dichlorodifluoromethane	ug/l	VOCLL	NA	2 U	2 U	2 U
Ethylbenzene	ug/l	VOCLL	NA	1.4 U	1.4 U	1.4 U
Methyl bromide	ug/l	VOCLL	NA	2 U	2 U	2 U
Methyl chloride	ug/l	VOCLL	NA	2 U	2 U	2 U
Methylene chloride	ug/l	VOCLL	NA	3.17 U	0.56 U	0.56 U
Tetrachloroethylene	ug/l	VOCLL	NA	0.82 U	14.2	0.82 U
Toluene	ug/l	VOCLL	NA	1.2 U	1.2 U	1.2 U
Trichloroethylene	ug/l	VOCLL	NA	0.38 U	0.589	0.38 U
Trichlorofluoromethane	ug/l	VOCLL	NA	2 U	2 U	2 U
Vinyl chloride	ug/l	VOCLL	NA	2 U	2 U	2 U
cis-1,3-Dichloropropylene	ug/l	VOCLL	NA	1 U	1 U	1 U
trans-1,3-Dichloropropylene	ug/l	VOCLL	NA	2 U	2 U	2 U

DU PONT-MONTAGUE FACILITY
PIERSON CREEK LANDFILL

		Lab ID:	GC5760	GC5787	GC5756	GC5762
		Sample ID:	PCL-5S	PCL-B1TB	PCL1	PCL2
		Collect Date:	08/14/91	08/09/91	08/13/91	08/13/91
Parameter	Units	Test	Value Q	Value Q	Value Q	Value Q
1,1,1,2-Tetrachloroethane	ug/l	VOC	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/l	VOC	3.8 U	3.8 U	3.8 U	3.8 U
1,1,2,2-Tetrachloroethane	ug/l	VOC	6.9 U	6.9 U	6.9 U	6.9 U
1,1,2-Trichloroethane	ug/l	VOC	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/l	VOC	4.7 U	4.7 U	4.7 U	4.7 U
1,1-Dichloroethylene	ug/l	VOC	2.8 U	2.8 U	2.8 U	2.8 U
1,2,3-Trichloropropane	ug/l	VOC	10 U	10 U	10 U	10 U
1,2-Dibromo-3-chloropropane	ug/l	VOC	10 U	10 U	10 U	10 U
1,2-Dibromoethane	ug/l	VOC	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/l	VOC	2.8 U	2.8 U	2.8 U	2.8 U
1,2-Dichloropropane	ug/l	VOC	6 U	6 U	6 U	6 U
1,2-Trans-dichloroethylene	ug/l	VOC	1.6 U	1.6 U	1.6 U	1.6 U
1,4-Dichloro-2-butene	ug/l	VOC	10 U	10 U	10 U	10 U
2-Chloro-1,3-butadiene	ug/l	VOC	-- IND	-- IND	-- IND	-- IND
2-Hexanone	ug/l	VOC	10 U	10 U	10 U	10 U
Acetone	ug/l	VOC	10 U	10 U	10 U	10 U
Acrolein	ug/l	VOC	100 U	100 U	100 U	100 U
Acrylonitrile	ug/l	VOC	100 U	100 U	100 U	100 U
Benzene	ug/l	VOC	4.4 U	4.4 U	4.4 U	4.4 U
Bromoform	ug/l	VOC	4.7 U	4.7 U	4.7 U	4.7 U
Carbon disulfide	ug/l	VOC	10 U	10 U	10 U	10 U
Carbon tetrachloride	ug/l	VOC	2.8 U	2.8 U	2.8 U	2.8 U
Chlorobenzene	ug/l	VOC	6 U	6 U	6 U	6 U
Chlorodibromomethane	ug/l	VOC	3.1 U	3.1 U	3.1 U	3.1 U
Chloroethane	ug/l	VOC	10 U	10 U	10 U	10 U
Chloroform	ug/l	VOC	1.6 U	1.6 U	1.6 U	1.6 U
Dibromomethane	ug/l	VOC	10 U	10 U	10 U	10 U
Dichlorobromomethane	ug/l	VOC	2.2 U	2.2 U	2.2 U	2.2 U
Dichlorodifluoromethane	ug/l	VOC	10 U	10 U	10 U	10 U
Ethyl methacrylate	ug/l	VOC	10 U	10 U	10 U	10 U
Ethylbenzene	ug/l	VOC	7.2 U	7.2 U	7.2 U	7.2 U
Iodomethane	ug/l	VOC	10 U	10 U	10 U	10 U
Methyl bromide	ug/l	VOC	10 U	10 U	10 U	10 U
Methyl chloride	ug/l	VOC	10 U	10 U	10 U	10 U
Methyl ethyl ketone	ug/l	VOC	10 U	10 U	10 U	10 U
Methyl methacrylate	ug/l	VOC	10 U	10 U	10 U	10 U
Methyl-iso-butyl ketone	ug/l	VOC	10 U	10 U	10 U	10 U
Methylene chloride	ug/l	VOC	2.8 U	2.8 U	2.8 U	2.8 U
Pentachloroethane	ug/l	VOC	0 U	0 U	0 U	0 U
Styrene	ug/l	VOC	10 U	10 U	10 U	10 U
Tetrachloroethylene	ug/l	VOC	4.1 U	4.1 U	4.69	4.1 U
Toluene	ug/l	VOC	6 U	6 U	6 U	6 U
Trichloroethylene	ug/l	VOC	1.9 U	1.9 U	1.9 U	1.9 U
Trichlorofluoromethane	ug/l	VOC	10 U	10 U	10 U	10 U
Vinyl acetate	ug/l	VOC	10 U	10 U	10 U	10 U
Vinyl chloride	ug/l	VOC	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropylene	ug/l	VOC	5 U	5 U	5 U	5 U
m-Xylene	ug/l	VOC	10 U	10 U	10 U	10 U
o+p-Xylenes	ug/l	VOC	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropylene	ug/l	VOC	10 U	10 U	10 U	10 U

DU PONT-MONTAGUE FACILITY
PIERSON CREEK LANDFILL

		Lab ID:	GC5760	GC5787	GC5756	GC5762
		Sample ID:	PCL-5S	PCL-B1TB	PCL1	PCL2
		Collect Date:	08/14/91	08/09/91	08/13/91	08/13/91
Parameter	Units	Test	Value Q	Value Q	Value Q	Value Q
1,2,4,5-Tetrachlorobenzene	ug/l	SVOC	17 U	NR	10 U	11 U
1,2,4-Trichlorobenzene	ug/l	SVOC	3.2 U	NR	1.9 U	2 U
1,2-Dichlorobenzene	ug/l	SVOC	3.2 U	NR	1.9 U	2 U
1,3-Dichlorobenzene	ug/l	SVOC	3.2 U	NR	1.9 U	2 U
1,4-Dichlorobenzene	ug/l	SVOC	7.3 U	NR	4.4 U	4.7 U
1,4-Naphthoquinone	ug/l	SVOC	17 U	NR	10 U	11 U
1-Naphthylamine	ug/l	SVOC	17 U	NR	10 U	11 U
2,3,4,6-Tetrachlorophenol	ug/l	SVOC	17 U	NR	10 U	11 U
2,4,5-Trichlorophenol	ug/l	SVOC	17 U	NR	10 U	11 U
2,4,6-Trichlorophenol	ug/l	SVOC	4.5 U	NR	2.7 U	2.9 U
2,4-Dichlorophenol	ug/l	SVOC	4.5 U	NR	2.7 U	2.9 U
2,4-Dimethylphenol	ug/l	SVOC	4.5 U	NR	2.7 U	2.9 U
2,4-Dinitrophenol	ug/l	SVOC	70 U	NR	42 U	45 U
2,4-Dinitrotoluene	ug/l	SVOC	9.5 U	NR	5.8 U	6.1 U
2,6-Dichlorophenol	ug/l	SVOC	17 U	NR	10 U	11 U
2,6-Dinitrotoluene	ug/l	SVOC	3.2 U	NR	1.9 U	2 U
2-Acetylaminofluorene	ug/l	SVOC	17 U	NR	10 U	11 U
2-Chloronaphthalene	ug/l	SVOC	3.2 U	NR	1.9 U	2 U
2-Chlorophenol	ug/l	SVOC	5.5 U	NR	3.3 U	3.5 U
2-Methylnaphthalene	ug/l	SVOC	17 U	NR	10 U	11 U
2-Naphthylamine	ug/l	SVOC	17 U	NR	10 U	11 U
2-Nitrophenol	ug/l	SVOC	6 U	NR	3.6 U	3.8 U
2-Picoline	ug/l	SVOC	17 U	NR	10 U	11 U
2-sec-Butyl-4,6-dinitrophenol	ug/l	SVOC	17 U	NR	10 U	11 U
3,3'-Dichlorobenzidine	ug/l	SVOC	27.5 U	NR	16.7 U	17.6 U
3,3'-Dimethylbenzidine	ug/l	SVOC	17 U	NR	10 U	11 U
3-Methylcholanthrene	ug/l	SVOC	9.2 U	NR	5.6 U	5.9 U
4,6-Dinitro-o-cresol	ug/l	SVOC	40 U	NR	24 U	26 U
4-Aminobiphenyl	ug/l	SVOC	17 U	NR	10 U	11 U
4-Bromophenyl phenyl ether	ug/l	SVOC	3.2 U	NR	1.9 U	2 U
4-Chlorophenyl phenyl ether	ug/l	SVOC	7 U	NR	4.2 U	4.5 U
4-Nitrophenol	ug/l	SVOC	4 U	NR	2.4 U	2.6 U
4-Nitroquinoline-N-oxide	ug/l	SVOC	-- IND	NR	-- IND	-- IND
5-Nitro-o-toluidine	ug/l	SVOC	17 U	NR	10 U	11 U
7,12-Dimethylbenzo(a)anthracene	ug/l	SVOC	17 U	NR	10 U	11 U
Acenaphthene	ug/l	SVOC	3.2 U	NR	1.9 U	2 U
Acenaphthylene	ug/l	SVOC	5.8 U	NR	3.5 U	3.7 U
Acetophenone	ug/l	SVOC	17 U	NR	10 U	11 U
Aniline	ug/l	SVOC	17 U	NR	10 U	11 U
Anthracene	ug/l	SVOC	3.2 U	NR	1.9 U	2 U
Aramite	ug/l	SVOC	-- IND	NR	-- IND	-- IND
Benzo(a)anthracene	ug/l	SVOC	13 U	NR	7.9 U	8.3 U
Benzo(a)pyrene	ug/l	SVOC	4.2 U	NR	2.5 U	2.7 U
Benzo(b)fluoranthene	ug/l	SVOC	8 U	NR	4.8 U	5.1 U
Benzo(ghi)perylene	ug/l	SVOC	6.8 U	NR	4.1 U	4.4 U
Benzo(k)fluoranthene	ug/l	SVOC	4.2 U	NR	2.5 U	2.7 U
Benzyl alcohol	ug/l	SVOC	17 U	NR	10 U	11 U
Butyl benzyl phthalate	ug/l	SVOC	17 U	NR	10 U	11 U
Chrysene	ug/l	SVOC	4.2 U	NR	2.5 U	2.7 U
Di-n-butyl phthalate	ug/l	SVOC	17 U	NR	10 U	11 U

DU PONT-MONTAGUE FACILITY
PIERSON CREEK LANDFILL

		Lab ID:	GC5760	GC5787	GC5756	GC5762
		Sample ID:	PCL-5S	PCL-B1TB	PCL1	PCL2
		Collect Date:	08/14/91	08/09/91	08/13/91	08/13/91
Parameter	Units	Test	Value Q	Value Q	Value Q	Value Q
Di-n-octyl phthalate	ug/l	SVOC	17 U	NR	10 U	11 U
Diallate	ug/l	SVOC	17 U	NR	10 U	11 U
Dibenzo(a,h)anthracene	ug/l	SVOC	4.2 U	NR	2.5 U	2.7 U
Dibenzofuran	ug/l	SVOC	17 U	NR	10 U	11 U
Diethyl phthalate	ug/l	SVOC	17 U	NR	10 U	11 U
Dimethyl phthalate	ug/l	SVOC	17 U	NR	10 U	11 U
Diphenylamine	ug/l	SVOC	17 U	NR	10 U	11 U
Ethyl methanesulfonate	ug/l	SVOC	17 U	NR	10 U	11 U
Fluoranthene	ug/l	SVOC	3.7 U	NR	2.2 U	2.3 U
Fluorene	ug/l	SVOC	3.2 U	NR	1.9 U	2 U
Hexachlorobenzene	ug/l	SVOC	3.2 U	NR	1.9 U	2 U
Hexachlorobutadiene	ug/l	SVOC	1.5 U	NR	0.91 U	0.96 U
Hexachlorocyclopentadiene	ug/l	SVOC	17 U	NR	10 U	11 U
Hexachloroethane	ug/l	SVOC	2.7 U	NR	1.6 U	1.7 U
Hexachlorophene	ug/l	SVOC	17 U	NR	10 U	11 U
Hexachloropropene	ug/l	SVOC	17 U	NR	10 U	11 U
Indeno(1,2,3-c,d)pyrene	ug/l	SVOC	6.2 U	NR	3.7 U	3.9 U
Isodrin	ug/l	SVOC	9.8 U	NR	6 U	6.3 U
Isophorone	ug/l	SVOC	3.7 U	NR	2.2 U	2.3 U
Isosafrole	ug/l	SVOC	17 U	NR	10 U	11 U
Methapyrilene	ug/l	SVOC	-- IND	NR	-- IND	-- IND
Methyl methanesulfonate	ug/l	SVOC	17 U	NR	10 U	11 U
N-Nitrosodi-n-butylamine	ug/l	SVOC	17 U	NR	10 U	11 U
N-Nitrosodi-n-propylamine	ug/l	SVOC	17 U	NR	10 U	11 U
N-Nitrosodiethylamine	ug/l	SVOC	17 U	NR	10 U	11 U
N-Nitrosodimethylamine	ug/l	SVOC	17 U	NR	10 U	11 U
N-Nitrosodiphenylamine	ug/l	SVOC	3.2 U	NR	1.9 U	2 U
N-Nitrosomethylethylamine	ug/l	SVOC	17 U	NR	10 U	11 U
N-Nitrosomorpholine	ug/l	SVOC	17 U	NR	10 U	11 U
N-Nitrosopiperidine	ug/l	SVOC	17 U	NR	10 U	11 U
N-Nitrosopyrrolidine	ug/l	SVOC	17 U	NR	10 U	11 R
Naphthalene	ug/l	SVOC	2.7 U	NR	1.6 U	1.7 U
Nitrobenzene	ug/l	SVOC	3.2 U	NR	1.9 U	2 U
Pentachlorobenzene	ug/l	SVOC	17 U	NR	10 U	11 U
Pentachloronitrobenzene	ug/l	SVOC	17 U	NR	10 U	11 U
Pentachlorophenol	ug/l	SVOC	6 U	NR	3.6 U	3.8 U
Phenacetin	ug/l	SVOC	17 U	NR	10 U	11 U
Phenanthrene	ug/l	SVOC	9 U	NR	5.5 U	5.7 U
Phenol	ug/l	SVOC	2.5 U	NR	1.5 U	1.6 U
Pronamide	ug/l	SVOC	17 U	NR	10 U	11 U
Pyrene	ug/l	SVOC	3.2 U	NR	1.9 U	2 U
Pyridine	ug/l	SVOC	17 U	NR	10 U	11 U
Safrole	ug/l	SVOC	17 U	NR	10 U	11 U
Tetraethyldithiopyrophosphate	ug/l	SVOC	0 U	NR	0 U	0 U
bis(2-Chloroethoxy)methane	ug/l	SVOC	8.8 U	NR	5.4 U	5.6 U
bis(2-Chloroethyl) ether	ug/l	SVOC	9.5 U	NR	5.8 U	6.1 U
bis(2-Chloroisopropyl)ether	ug/l	SVOC	9.5 U	NR	5.8 U	6.1 U
bis(2-Ethylhexyl)phthalate	ug/l	SVOC	8.9 J	NR	10 U	5.47 J
m+p-Cresols	ug/l	SVOC	17 U	NR	10 U	11 U
m-Dinitrobenzene	ug/l	SVOC	17 U	NR	10 U	11 U

DU PONT-MONTAGUE FACILITY
PIERSON CREEK LANDFILL

		Lab ID:	GC5760		GC5787		GC5756		GC5762	
		Sample ID:	PCL-5S		PCL-B1TB		PCL1		PCL2	
		Collect Date:	08/14/91		08/09/91		08/13/91		08/13/91	
Parameter	Units	Test	Value	Q	Value	Q	Value	Q	Value	Q
m-Nitroaniline	ug/l	SVOC	17	U		NR	10	U	11	U
o-Cresol	ug/l	SVOC	17	U		NR	10	U	11	U
o-Nitroaniline	ug/l	SVOC	17	U		NR	10	U	11	U
o-Toluidine	ug/l	SVOC	17	U		NR	10	U	11	U
p-Chloro-m-cresol	ug/l	SVOC	5	U		NR	3	U	3.2	U
p-Chloroaniline	ug/l	SVOC	17	U		NR	10	U	11	U
p-Dimethylaminoazobenzene	ug/l	SVOC	17	U		NR	10	U	11	U
p-Nitroaniline	ug/l	SVOC	17	U		NR	10	U	11	U
p-phenylenediamine	ug/l	SVOC	--	IND		NR	--	IND	--	IND
sym-Trinitrobenzene	ug/l	SVOC	--	IND		NR	--	IND	--	IND
a,a-Dimethylphenethylamine	ug/l	SVOC	--	IND		NR	--	IND	--	IND
o,o,o-Triethyl Phosphorothioate	ug/l	SVOC	--	IND		NR	--	IND	--	IND
Cyanide, Total	mg/l	CONV	0.025	U		NR	0.025	U	0.025	U
Sulfide as S	mg/l	CONV	0.05	U		NR	0.05	U	0.05	U
Antimony	ug/l	METAL	60	U		NR	60	U	60	U
Arsenic	ug/l	METAL	10	U		NR	10	U	10	U
Barium	ug/l	METAL	20	UJ		NR	20	U	20	U
Beryllium	ug/l	METAL	1	U		NR	1	U	1	U
Cadmium	ug/l	METAL	2	U		NR	2	U	2	U
Chromium	ug/l	METAL	10	U		NR	10	U	10	U
Cobalt	ug/l	METAL	20	U		NR	4	BMDL	20	U
Copper	ug/l	METAL	10			NR	5.8	BMDL	6.3	BMDL
Lead	ug/l	METAL	2.1	B		NR	4.9	B	5.3	B
Mercury	ug/l	METAL	0.2	U		NR	0.2	U	0.2	U
Nickel	ug/l	METAL	4.2	BMDL		NR	20	U	20	U
Selenium	ug/l	METAL	5	U		NR	5	U	5	U
Silver	ug/l	METAL	2.6	BMDL		NR	10	U	10	U
Thallium	ug/l	METAL	10	UJ		NR	10	U	10	U
Tin	ug/l	METAL	50	U		NR	50	U	50	U
Vanadium	ug/l	METAL	20	U		NR	20	U	20	U
Zinc	ug/l	METAL	12	B		NR	130	B	140	B
1,1,1-Trichloroethane	ug/l	VOCLL	0.76	U		NA	0.272	J	0.76	U
1,1,2,2-Tetrachloroethane	ug/l	VOCLL	1.4	U		NA	1.4	U	1.4	U
1,1,2-Trichloroethane	ug/l	VOCLL	1	U		NA	1	U	1	U
1,1-Dichloroethane	ug/l	VOCLL	0.94	U		NA	0.94	U	0.94	U
1,1-Dichloroethylene	ug/l	VOCLL	0.56	U		NA	0.56	U	0.56	U
1,2-Dichloroethane	ug/l	VOCLL	0.56	U		NA	0.56	U	0.56	U
1,2-Dichloropropane	ug/l	VOCLL	1.2	U		NA	1.2	U	1.2	U
1,2-Trans-dichloroethylene	ug/l	VOCLL	0.32	U		NA	0.32	U	0.32	U
Acrolein	ug/l	VOCLL	20	U		NA	20	U	20	U
Acrylonitrile	ug/l	VOCLL	20	U		NA	20	U	20	U
Benzene	ug/l	VOCLL	0.88	U		NA	0.88	U	0.88	U
Bromoform	ug/l	VOCLL	0.94	U		NA	0.94	U	0.94	U
Carbon tetrachloride	ug/l	VOCLL	0.56	U		NA	0.56	U	0.56	U
Chlorobenzene	ug/l	VOCLL	1.2	U		NA	1.2	U	1.2	U

DU PONT-MONTAGUE FACILITY
PIERSON CREEK LANDFILL

		Lab ID:	GC5760	GC5787	GC5756	GC5762
		Sample ID:	PCL-5S	PCL-B1TB	PCL1	PCL2
		Collect Date:	08/14/91	08/09/91	08/13/91	08/13/91
Parameter	Units	Test	Value Q	Value Q	Value Q	Value Q
Chlorodibromomethane	ug/l	VOCLL	0.62 U	NA	0.62 U	0.62 U
Chloroethane	ug/l	VOCLL	2 U	NA	2 U	2 U
Chloroform	ug/l	VOCLL	0.32 U	NA	0.32 U	0.32 U
Dichlorobromomethane	ug/l	VOCLL	0.44 U	NA	0.44 U	0.44 U
Dichlorodifluoromethane	ug/l	VOCLL	2 U	NA	2 U	2 U
Ethylbenzene	ug/l	VOCLL	1.4 U	NA	1.4 U	1.4 U
Methyl bromide	ug/l	VOCLL	2 U	NA	2 U	2 U
Methyl chloride	ug/l	VOCLL	2 U	NA	2 U	2 U
Methylene chloride	ug/l	VOCLL	0.56 U	NA	0.56 U	0.56 U
Tetrachloroethylene	ug/l	VOCLL	0.82 U	NA	4.34	0.82 U
Toluene	ug/l	VOCLL	1.2 U	NA	1.2 U	1.2 U
Trichloroethylene	ug/l	VOCLL	0.38 U	NA	0.38 U	0.38 U
Trichlorofluoromethane	ug/l	VOCLL	2 U	NA	2 U	2 U
Vinyl chloride	ug/l	VOCLL	2 U	NA	2 U	2 U
cis-1,3-Dichloropropylene	ug/l	VOCLL	1 U	NA	1 U	1 U
trans-1,3-Dichloropropylene	ug/l	VOCLL	2 U	NA	2 U	2 U

DU PONT-MONTAGUE FACILITY
PIERSON CREEK LANDFILL

		Lab ID:	GC5763	GC5761
		Sample ID:	PCL3S	PCL4S
		Collect Date:	08/13/91	08/13/91
Parameter	Units	Test	Value Q	Value Q
1,1,1,2-Tetrachloroethane	ug/l	VOC	10 U	10 U
1,1,1-Trichloroethane	ug/l	VOC	3.8 U	3.8 U
1,1,2,2-Tetrachloroethane	ug/l	VOC	6.9 U	6.9 U
1,1,2-Trichloroethane	ug/l	VOC	5 U	5 U
1,1-Dichloroethane	ug/l	VOC	4.7 U	4.7 U
1,1-Dichloroethylene	ug/l	VOC	2.8 U	2.8 U
1,2,3-Trichloropropane	ug/l	VOC	10 U	10 U
1,2-Dibromo-3-chloropropane	ug/l	VOC	10 U	10 U
1,2-Dibromoethane	ug/l	VOC	10 U	10 U
1,2-Dichloroethane	ug/l	VOC	2.8 U	2.8 U
1,2-Dichloropropane	ug/l	VOC	6 U	6 U
1,2-Trans-dichloroethylene	ug/l	VOC	1.6 U	1.6 U
1,4-Dichloro-2-butene	ug/l	VOC	10 U	10 U
2-Chloro-1,3-butadiene	ug/l	VOC	-- IND	-- IND
2-Hexanone	ug/l	VOC	10 U	10 U
Acetone	ug/l	VOC	7.35 J	10 U
Acrolein	ug/l	VOC	100 U	100 U
Acrylonitrile	ug/l	VOC	100 U	100 U
Benzene	ug/l	VOC	4.4 U	4.4 U
Bromoform	ug/l	VOC	4.7 U	4.7 U
Carbon disulfide	ug/l	VOC	10 U	10 U
Carbon tetrachloride	ug/l	VOC	2.8 U	2.8 U
Chlorobenzene	ug/l	VOC	6 U	6 U
Chlorodibromomethane	ug/l	VOC	3.1 U	3.1 U
Chloroethane	ug/l	VOC	10 U	10 U
Chloroform	ug/l	VOC	1.6 U	1.6 U
Dibromomethane	ug/l	VOC	10 U	10 U
Dichlorobromomethane	ug/l	VOC	2.2 U	2.2 U
Dichlorodifluoromethane	ug/l	VOC	10 U	10 U
Ethyl methacrylate	ug/l	VOC	10 U	10 U
Ethylbenzene	ug/l	VOC	7.2 U	7.2 U
Iodomethane	ug/l	VOC	10 U	10 U
Methyl bromide	ug/l	VOC	10 U	10 U
Methyl chloride	ug/l	VOC	10 U	10 U
Methyl ethyl ketone	ug/l	VOC	10 U	10 U
Methyl methacrylate	ug/l	VOC	10 U	10 U
Methyl-iso-butyl ketone	ug/l	VOC	10 U	10 U
Methylene chloride	ug/l	VOC	5.73 U	2.8 U
Pentachloroethane	ug/l	VOC	0 U	0 U
Styrene	ug/l	VOC	10 U	10 U
Tetrachloroethylene	ug/l	VOC	4.1 U	4.1 U
Toluene	ug/l	VOC	6 U	6 U
Trichloroethylene	ug/l	VOC	1.9 U	1.9 U
Trichlorofluoromethane	ug/l	VOC	10 U	10 U
Vinyl acetate	ug/l	VOC	10 U	10 U
Vinyl chloride	ug/l	VOC	10 U	10 U
cis-1,3-Dichloropropylene	ug/l	VOC	5 U	5 U
m-Xylene	ug/l	VOC	10 U	10 U
o+p-Xylenes	ug/l	VOC	10 U	10 U
trans-1,3-Dichloropropylene	ug/l	VOC	10 U	10 U

DU PONT-MONTAGUE FACILITY
PIERSON CREEK LANDFILL

		Lab ID:	GC5763	GC5761
		Sample ID:	PCL3S	PCL4S
		Collect Date:	08/13/91	08/13/91
Parameter	Units	Test	Value Q	Value Q
1,2,4,5-Tetrachlorobenzene	ug/l	SVOC	10 U	10 U
1,2,4-Trichlorobenzene	ug/l	SVOC	2 U	1.9 U
1,2-Dichlorobenzene	ug/l	SVOC	2 U	1.9 U
1,3-Dichlorobenzene	ug/l	SVOC	2 U	1.9 U
1,4-Dichlorobenzene	ug/l	SVOC	4.6 U	4.4 U
1,4-Naphthoquinone	ug/l	SVOC	10 U	10 U
1-Naphthylamine	ug/l	SVOC	10 U	10 U
2,3,4,6-Tetrachlorophenol	ug/l	SVOC	10 U	10 U
2,4,5-Trichlorophenol	ug/l	SVOC	10 U	10 U
2,4,6-Trichlorophenol	ug/l	SVOC	2.8 U	2.7 U
2,4-Dichlorophenol	ug/l	SVOC	2.8 U	2.7 U
2,4-Dimethylphenol	ug/l	SVOC	2.8 U	2.7 U
2,4-Dinitrophenol	ug/l	SVOC	44 U	42 U
2,4-Dinitrotoluene	ug/l	SVOC	5.9 U	5.8 U
2,6-Dichlorophenol	ug/l	SVOC	10 U	10 U
2,6-Dinitrotoluene	ug/l	SVOC	2 U	1.9 U
2-Acetylaminofluorene	ug/l	SVOC	10 U	10 U
2-Chloronaphthalene	ug/l	SVOC	2 U	1.9 U
2-Chlorophenol	ug/l	SVOC	3.4 U	3.3 U
2-Methylnaphthalene	ug/l	SVOC	10 U	10 U
2-Naphthylamine	ug/l	SVOC	10 U	10 U
2-Nitrophenol	ug/l	SVOC	3.8 U	3.6 U
2-Picoline	ug/l	SVOC	10 U	10 U
2-sec-Butyl-4,6-dinitrophenol	ug/l	SVOC	10 U	10 U
3,3'-Dichlorobenzidine	ug/l	SVOC	17.2 U	16.7 U
3,3'-Dimethylbenzidine	ug/l	SVOC	10 U	10 U
3-Methylcholanthrene	ug/l	SVOC	5.7 U	5.6 U
4,6-Dinitro-o-cresol	ug/l	SVOC	25 U	24 U
4-Aminobiphenyl	ug/l	SVOC	10 U	10 U
4-Bromophenyl phenyl ether	ug/l	SVOC	2 U	1.9 U
4-Chlorophenyl phenyl ether	ug/l	SVOC	4.4 U	4.2 U
4-Nitrophenol	ug/l	SVOC	2.5 U	2.4 U
4-Nitroquinoline-N-oxide	ug/l	SVOC	-- IND	-- IND
5-Nitro-o-toluidine	ug/l	SVOC	10 U	10 U
7,12-Dimethylbenzo(a)anthracene	ug/l	SVOC	10 U	10 U
Acenaphthene	ug/l	SVOC	2 U	1.9 U
Acenaphthylene	ug/l	SVOC	3.6 U	3.5 U
Acetophenone	ug/l	SVOC	10 U	10 U
Aniline	ug/l	SVOC	10 U	10 U
Anthracene	ug/l	SVOC	2 U	1.9 U
Aramite	ug/l	SVOC	-- IND	-- IND
Benzo(a)anthracene	ug/l	SVOC	8.1 U	7.9 U
Benzo(a)pyrene	ug/l	SVOC	2.6 U	2.5 U
Benzo(b)fluoranthene	ug/l	SVOC	5 U	4.8 U
Benzo(ghi)perylene	ug/l	SVOC	4.3 U	4.1 U
Benzo(k)fluoranthene	ug/l	SVOC	2.6 U	2.5 U
Benzyl alcohol	ug/l	SVOC	10 U	10 U
Butyl benzyl phthalate	ug/l	SVOC	10 U	10 U
Chrysene	ug/l	SVOC	2.6 U	2.5 U
Di-n-butyl phthalate	ug/l	SVOC	10 U	10 U

DU PONT-MONTAGUE FACILITY
PIERSON CREEK LANDFILL

		Lab ID:	GC5763	GC5761
		Sample ID:	PCL3S	PCL4S
		Collect Date:	08/13/91	08/13/91
Parameter	Units	Test	Value Q	Value Q
Di-n-octyl phthalate	ug/l	SVOC	10 U	10 U
Diallate	ug/l	SVOC	10 U	10 U
Dibenzo(a,h)anthracene	ug/l	SVOC	2.6 U	2.5 U
Dibenzofuran	ug/l	SVOC	10 U	10 U
Diethyl phthalate	ug/l	SVOC	10 U	10 U
Dimethyl phthalate	ug/l	SVOC	10 U	10 U
Diphenylamine	ug/l	SVOC	10 U	10 U
Ethyl methanesulfonate	ug/l	SVOC	10 U	10 U
Fluoranthene	ug/l	SVOC	2.3 U	2.2 U
Fluorene	ug/l	SVOC	2 U	1.9 U
Hexachlorobenzene	ug/l	SVOC	2 U	1.9 U
Hexachlorobutadiene	ug/l	SVOC	0.94 U	0.91 U
Hexachlorocyclopentadiene	ug/l	SVOC	10 U	10 U
Hexachloroethane	ug/l	SVOC	1.7 U	1.6 U
Hexachlorophene	ug/l	SVOC	10 U	10 U
Hexachloropropene	ug/l	SVOC	10 U	10 U
Indeno(1,2,3-c,d)pyrene	ug/l	SVOC	3.9 U	3.7 U
Isodrin	ug/l	SVOC	6.1 U	6 U
Isophorone	ug/l	SVOC	2.3 U	2.2 U
Isosafrole	ug/l	SVOC	10 U	10 U
Methapyrilene	ug/l	SVOC	-- IND	-- IND
Methyl methanesulfonate	ug/l	SVOC	10 U	10 U
N-Nitrosodi-n-butylamine	ug/l	SVOC	10 U	10 U
N-Nitrosodi-n-propylamine	ug/l	SVOC	10 U	10 U
N-Nitrosodiethylamine	ug/l	SVOC	10 U	10 U
N-Nitrosodimethylamine	ug/l	SVOC	10 U	10 U
N-Nitrosodiphenylamine	ug/l	SVOC	2 U	1.9 U
N-Nitrosomethylethylamine	ug/l	SVOC	10 U	10 U
N-Nitrosomorpholine	ug/l	SVOC	10 U	10 U
N-Nitrosopiperidine	ug/l	SVOC	10 U	10 U
N-Nitrosopyrrolidine	ug/l	SVOC	10 U	10 R
Naphthalene	ug/l	SVOC	1.7 U	1.6 U
Nitrobenzene	ug/l	SVOC	2 U	1.9 U
Pentachlorobenzene	ug/l	SVOC	10 U	10 U
Pentachloronitrobenzene	ug/l	SVOC	10 U	10 U
Pentachlorophenol	ug/l	SVOC	3.8 U	3.6 U
Phenacetin	ug/l	SVOC	10 U	10 U
Phenanthrene	ug/l	SVOC	5.6 U	5.5 U
Phenol	ug/l	SVOC	1.6 U	1.5 U
Pronamide	ug/l	SVOC	10 U	10 U
Pyrene	ug/l	SVOC	2 U	1.9 U
Pyridine	ug/l	SVOC	10 U	10 U
Safrole	ug/l	SVOC	10 U	10 U
Tetraethyldithiopyrophosphate	ug/l	SVOC	0 U	0 U
bis(2-Chloroethoxy)methane	ug/l	SVOC	5.5 U	5.4 U
bis(2-Chloroethyl) ether	ug/l	SVOC	5.9 U	5.8 U
bis(2-Chloroisopropyl)ether	ug/l	SVOC	5.9 U	5.8 U
bis(2-Ethylhexyl)phthalate	ug/l	SVOC	10 U	10 U
m+p-Cresols	ug/l	SVOC	10 U	10 U
m-Dinitrobenzene	ug/l	SVOC	10 U	10 U

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Parameter	Units	Test	Value	Q	Value	Q
m-Nitroaniline	ug/l	SVOC	10	U	10	U
o-Cresol	ug/l	SVOC	10	U	10	U
o-Nitroaniline	ug/l	SVOC	10	U	10	U
o-Toluidine	ug/l	SVOC	10	U	10	U
p-Chloro-m-cresol	ug/l	SVOC	3.1	U	3	U
p-Chloroaniline	ug/l	SVOC	10	U	10	U
p-Dimethylaminoazobenzene	ug/l	SVOC	10	U	10	U
p-Nitroaniline	ug/l	SVOC	10	U	10	U
p-phenylenediamine	ug/l	SVOC	--	IND	--	IND
sym-Trinitrobenzene	ug/l	SVOC	--	IND	--	IND
a,a-Dimethylphenethylamine	ug/l	SVOC	--	IND	--	IND
o,o,o-Triethyl Phosphorothioate	ug/l	SVOC	--	IND	--	IND
Cyanide, Total	mg/l	CONV	0.025	U	0.025	U
Sulfide as S	mg/l	CONV		NR	0.05	U
Antimony	ug/l	METAL	60	U	60	U
Arsenic	ug/l	METAL	10	U	10	U
Barium	ug/l	METAL	20	U	20	U
Beryllium	ug/l	METAL	1	U	1	U
Cadmium	ug/l	METAL	2	U	2	U
Chromium	ug/l	METAL	10	U	10	U
Cobalt	ug/l	METAL	20	U	20	U
Copper	ug/l	METAL	6.6	BMDL	10	
Lead	ug/l	METAL	8.7	B	5.3	B
Mercury	ug/l	METAL	0.2	U	0.2	U
Nickel	ug/l	METAL	5.6	BMDL	20	U
Selenium	ug/l	METAL	5	U	5	U
Silver	ug/l	METAL	10	U	10	U
Thallium	ug/l	METAL	10	U	10	U
Tin	ug/l	METAL	30	BMDL	50	U
Vanadium	ug/l	METAL	20	U	20	U
Zinc	ug/l	METAL	100	B	190	B
1,1,1-Trichloroethane	ug/l	VOCLL	0.76	U	0.76	U
1,1,2,2-Tetrachloroethane	ug/l	VOCLL	1.4	U	1.4	U
1,1,2-Trichloroethane	ug/l	VOCLL	1	U	1	U
1,1-Dichloroethane	ug/l	VOCLL	0.94	U	0.94	U
1,1-Dichloroethylene	ug/l	VOCLL	0.56	U	0.56	U
1,2-Dichloroethane	ug/l	VOCLL	0.56	U	0.56	U
1,2-Dichloropropane	ug/l	VOCLL	1.2	U	1.2	U
1,2-Trans-dichloroethylene	ug/l	VOCLL	0.32	U	0.32	U
Acrolein	ug/l	VOCLL	20	U	20	U
Acrylonitrile	ug/l	VOCLL	20	U	20	U
Benzene	ug/l	VOCLL	0.88	U	0.88	U
Bromoform	ug/l	VOCLL	0.94	U	0.94	U
Carbon tetrachloride	ug/l	VOCLL	0.56	U	0.56	U
Chlorobenzene	ug/l	VOCLL	1.2	U	1.2	U

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		Collect Date:	08/13/91	08/13/91
Parameter	Units	Test	Value Q	Value Q
Chlorodibromomethane	ug/l	VOCLL	0.62 U	0.62 U
Chloroethane	ug/l	VOCLL	2 U	2 U
Chloroform	ug/l	VOCLL	0.32 U	0.32 U
Dichlorobromomethane	ug/l	VOCLL	0.44 U	0.44 U
Dichlorodifluoromethane	ug/l	VOCLL	2 U	2 U
Ethylbenzene	ug/l	VOCLL	1.4 U	1.4 U
Methyl bromide	ug/l	VOCLL	2 U	2 U
Methyl chloride	ug/l	VOCLL	2 U	2 U
Methylene chloride	ug/l	VOCLL	0.56 U	0.56 U
Tetrachloroethylene	ug/l	VOCLL	1.24	0.82 U
Toluene	ug/l	VOCLL	1.2 U	1.2 U
Trichloroethylene	ug/l	VOCLL	0.38 U	0.38 U
Trichlorofluoromethane	ug/l	VOCLL	2 U	2 U
Vinyl chloride	ug/l	VOCLL	2 U	2 U
cis-1,3-Dichloropropylene	ug/l	VOCLL	1 U	1 U
trans-1,3-Dichloropropylene	ug/l	VOCLL	2 U	2 U