

SENECA ARMY DEPOT

ROMULUS, NEW YORK

00882



15 SWMU
(7 Low Priority and 8 Moderately Low Priority)
EXPANDED SITE INSPECTION
VALIDATED DATA TABLES

O C T O B E R 1 9 9 4

PARSONS ENGINEERING SCIENCE, INC.
BOSTON, MASSACHUSETTS

SENECA ARMY DEPOT
SEAD-5 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-5 7 02/20/94 TP5-1 212039 42494	SOIL SEAD-5 7 02/20/94 TP5-6 212041 42494	SOIL SEAD-5 3 02/17/94 TP5-2 211730 42480	SOIL SEAD-5 3 02/17/94 TP5-2RE 211730 42480	SOIL SEAD-5 3 02/18/94 TP5-3 211731 42460	SOIL SEAD-5 3 02/18/94 TP5-3RE 211731 42460	SOIL SEAD-5 3 02/18/94 TP5-4 211732 42460	SOIL SEAD-5 3 02/18/94 TP5-4RE 211732 42460	SOIL SEAD-5 3 02/18/94 TP5-5 211733 42460
VOLATILE ORGANICS									
Chloromethane	ug/Kg	11 U	11 U	12 UJ	12 UJ	11 U	12 U	13 U	13 U
Bromomethane	ug/Kg	11 U	11 U	12 UJ	12 UJ	11 U	12 U	13 U	13 U
Vinyl Chloride	ug/Kg	11 U	11 U	12 UJ	12 UJ	11 U	12 U	13 U	13 U
Chloroethane	ug/Kg	11 U	11 U	12 UJ	12 UJ	11 U	12 U	13 U	13 U
Methylene Chloride	ug/Kg	14 U	12 U	12 UJ	12 UJ	11 U	12 U	13 U	13 U
Acetone	ug/Kg	11 U	11 U	12 UJ	12 UJ	11 U	12 U	13 U	13 U
Carbon Disulfide	ug/Kg	11 U	11 U	12 UJ	12 UJ	11 U	12 U	13 U	13 U
1,1-Dichloroethane	ug/Kg	11 U	11 U	12 UJ	12 UJ	11 U	12 U	13 U	13 U
1,1-Dichloroethane	ug/Kg	11 U	11 U	12 UJ	12 UJ	11 U	12 U	13 U	13 U
1,2-Dichloroethane (total)	ug/Kg	11 U	11 U	12 UJ	12 UJ	11 U	12 U	13 U	13 U
Chloroform	ug/Kg	11 U	11 U	12 UJ	12 UJ	11 U	12 U	13 U	13 U
1,2-Dichloroethane	ug/Kg	11 U	11 U	12 UJ	12 UJ	11 U	12 U	13 U	13 U
2-Butanone	ug/Kg	11 U	11 U	12 UJ	12 UJ	11 U	12 U	13 U	13 U
1,1,1-Trichloroethane	ug/Kg	11 U	11 U	12 UJ	12 UJ	11 U	12 U	13 U	13 U
Carbon Tetrachloride	ug/Kg	11 U	11 U	12 UJ	12 UJ	11 U	12 U	13 U	13 U
Bromodichloromethane	ug/Kg	11 U	11 U	12 UJ	12 UJ	11 U	12 U	13 U	13 U
1,2-Dichloropropane	ug/Kg	11 U	11 U	12 UJ	12 UJ	11 U	12 U	13 U	13 U
cis-1,3-Dichloropropene	ug/Kg	11 U	11 U	12 UJ	12 UJ	11 U	12 U	13 U	13 U
Trichloroethane	ug/Kg	11 U	11 U	12 UJ	12 UJ	11 U	12 U	13 U	13 U
Dibromochloromethane	ug/Kg	11 U	11 U	12 UJ	12 UJ	11 U	12 U	13 U	13 U
1,1,2-Trichloroethane	ug/Kg	11 U	11 U	12 UJ	12 UJ	11 U	12 U	13 U	13 U
Benzene	ug/Kg	11 U	11 U	12 UJ	12 UJ	11 U	12 U	13 U	13 U
trans-1,3-Dichloropropene	ug/Kg	11 U	11 U	12 UJ	12 UJ	11 U	12 U	13 U	13 U
Bromoform	ug/Kg	11 U	11 U	12 UJ	12 UJ	11 U	12 U	13 U	13 U
4-Methyl-2-Pentanone	ug/Kg	11 U	11 U	12 UJ	12 UJ	11 U	12 U	13 U	13 U
2-Hexanone	ug/Kg	11 U	11 U	12 UJ	12 UJ	11 U	12 U	13 U	13 U
Tetrachloroethane	ug/Kg	11 U	11 U	12 UJ	12 UJ	11 U	12 U	13 U	13 U
1,1,2,2-Tetrachloroethane	ug/Kg	11 U	11 U	12 UJ	12 UJ	11 U	12 U	13 U	13 U
Toluene	ug/Kg	11 U	11 U	12 UJ	12 UJ	11 U	12 U	13 U	13 U
Chlorobenzene	ug/Kg	11 U	11 U	12 UJ	12 UJ	11 U	12 U	13 U	13 U
Ethylbenzene	ug/Kg	11 U	11 U	12 UJ	12 UJ	11 U	12 U	13 U	13 U
Styrene	ug/Kg	11 U	11 U	12 UJ	12 UJ	11 U	12 U	13 U	13 U
Xylene (total)	ug/Kg	11 U	11 U	12 UJ	12 UJ	11 U	12 U	13 U	13 U
HERBICIDES									
2,4-D	ug/Kg								
2,4-DB	ug/Kg								
2,4,5-T	ug/Kg								
2,4,5-TP (Silvex)	ug/Kg								
Dalapon	ug/Kg								
Dicamba	ug/Kg								
Dichloroprop	ug/Kg								
Dinoseb	ug/Kg								
MCPA	ug/Kg								
MCPP	ug/Kg								
NITROAROMATICS									
HMX	ug/Kg								
RDX	ug/Kg								
1,3,5-Trinitrobenzene	ug/Kg								
1,3-Dinitrobenzene	ug/Kg								
Tetryl	ug/Kg								
2,4,6-Trinitrotoluene	ug/Kg								
4-amino-2,6-Dinitrotoluene	ug/Kg								
2-amino-4,6-Dinitrotoluene	ug/Kg								
2,6-Dinitrotoluene	ug/Kg								
2,4-Dinitrotoluene	ug/Kg								

SENECA ARMY DEPOT
SEAD-5 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-5	SOIL SEAD-5	SOIL SEAD-5	SOIL SEAD-5	SOIL SEAD-5	SOIL SEAD-5	SOIL SEAD-5	SOIL SEAD-5	SOIL SEAD-5
COMPOUND UNITS									
SEMIVOLATILE ORGANICS									
Phenol	ug/Kg	1000 U	1200 U	31 J	390 U	380 U	380 U	380 U	4500 U
bis(2-Chloroethyl) ether	ug/Kg	1000 U	1200 U	380 U	390 U	380 U	380 U	380 U	4500 U
2-Chlorophenol	ug/Kg	1000 U	1200 U	380 U	390 U	380 U	380 U	380 U	4500 U
1,3-Dichlorobenzene	ug/Kg	1000 U	1200 U	380 U	390 U	380 U	380 U	380 U	4500 U
1,4-Dichlorobenzene	ug/Kg	1000 U	1200 U	380 U	390 U	380 U	380 U	380 U	4500 U
1,2-Dichlorobenzene	ug/Kg	1000 U	1200 U	380 U	390 U	380 U	380 U	380 U	4500 U
2-Methylphenol	ug/Kg	1000 U	1200 U	380 U	390 U	380 U	380 U	380 U	4500 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	1000 U	1200 U	380 U	390 U	380 U	380 U	380 U	4500 U
4-Methylphenol	ug/Kg	1000 U	1200 U	380 U	390 U	380 U	380 U	380 U	4500 U
N-Nitroso-d-n-propylamine	ug/Kg	1000 U	1200 U	380 U	390 U	380 U	380 U	380 U	4500 U
Hexachloroethane	ug/Kg	1000 U	1200 U	380 U	390 U	380 U	380 U	380 U	4500 U
Nitrobenzene	ug/Kg	1000 U	1200 U	380 U	390 U	380 U	380 U	380 U	4500 U
Isophorone	ug/Kg	1000 U	1200 U	380 U	390 U	380 U	380 U	380 U	4500 U
2-Nitrophenol	ug/Kg	1000 U	1200 U	380 U	390 U	380 U	380 U	380 U	4500 U
2,4-Dimethylphenol	ug/Kg	1000 U	1200 U	380 U	390 U	380 U	380 U	380 U	4500 U
bis(2-Chloroethoxy) methane	ug/Kg	1000 U	1200 U	380 U	390 U	380 U	380 U	380 U	4500 U
2,4-Dichlorophenol	ug/Kg	1000 U	1200 U	380 U	390 U	380 U	380 U	380 U	4500 U
1,2,4-Trichlorobenzene	ug/Kg	1000 U	1200 U	380 U	390 U	380 U	380 U	380 U	4500 U
Naphthalene	ug/Kg	1000 U	120 J	380 U	20 J	380 U	380 U	380 U	4500 U
4-Chloroaniline	ug/Kg	1000 U	1200 U	530	24 J	380 U	380 U	380 U	4500 U
Hexachlorobutadiene	ug/Kg	1000 U	1200 U	380 U	390 U	380 U	380 U	380 U	4500 U
4-Chloro-3-methylphenol	ug/Kg	1000 U	1200 U	380 U	390 U	380 U	380 U	380 U	4500 U
2-Methylnaphthalene	ug/Kg	1000 U	1200 U	28 J	390 U	380 U	380 U	380 U	4500 U
Hexachlorocyclopentadiene	ug/Kg	1000 U	1200 U	380 U	390 U	380 U	380 U	380 U	4500 U
2,4,6-Trichlorophenol	ug/Kg	1000 U	1200 U	380 U	390 U	380 U	380 U	380 U	4500 U
2,4,5-Trichlorophenol	ug/Kg	2500 U	2900 U	920 U	940 U	930 U	930 U	930 U	11000 U
2-Chloronaphthalene	ug/Kg	1000 U	1200 U	380 U	390 U	380 U	380 U	380 U	4500 U
2-Nitroaniline	ug/Kg	2500 U	2900 U	920 U	940 U	930 U	930 U	930 U	11000 U
Dimethylphthalate	ug/Kg	1000 U	1200 U	380 U	390 U	380 U	380 U	380 U	4500 U
Acenaphthylene	ug/Kg	84 J	110 J	380 U	54 J	380 U	380 U	380 U	4500 U
2,6-Dinitrotoluene	ug/Kg	1000 U	1200 U	380 U	390 U	380 U	380 U	380 U	4500 U
3-Nitroaniline	ug/Kg	2500 U	2900 U	920 U	940 U	930 U	930 U	930 U	11000 U
Acenaphthene	ug/Kg	270 J	230 J	380 U	27 J	380 U	380 U	380 U	4500 U
2,4-Dinitrophenol	ug/Kg	2500 U	2900 U	920 U	940 U	930 U	930 U	930 U	11000 U
4-Nitrophenol	ug/Kg	2500 U	2900 U	920 U	940 U	930 U	930 U	930 U	11000 U
Dibenzofuran	ug/Kg	120 J	100 J	380 U	20 J	380 U	380 U	380 U	4500 U
2,4-Dinitrotoluene	ug/Kg	1000 U	1200 U	380 U	390 U	380 U	380 U	380 U	4500 U
Diethylphthalate	ug/Kg	1000 U	1200 U	380 U	390 U	380 U	380 U	380 U	4500 U
4-Chlorophenyl-phenylether	ug/Kg	1000 U	1200 U	380 U	390 U	380 U	380 U	380 U	4500 U
Fluorene	ug/Kg	230 J	210 J	380 U	39 J	380 U	380 U	380 U	4500 U
4-Nitroaniline	ug/Kg	2500 U	2900 U	920 U	940 U	930 U	930 U	930 U	11000 U
4,6-Dinitro-2-methylphenol	ug/Kg	2500 U	2900 U	920 U	940 U	930 U	930 U	930 U	11000 U
N-Nitrosodiphenylamine	ug/Kg	1000 U	1200 U	380 U	390 U	380 U	380 U	380 U	4500 U
4-Bromophenyl-phenylether	ug/Kg	1000 U	1200 U	380 U	390 U	380 U	380 U	380 U	4500 U
Hexachlorobenzene	ug/Kg	1000 U	1200 U	380 U	390 U	380 U	380 U	380 U	4500 U
Pentachlorophenol	ug/Kg	2500 U	2900 U	920 U	940 U	930 U	930 U	930 U	11000 U
Phenanthrene	ug/Kg	2700	2400	76 J	520	29 J	29 J	29 J	4500 U
Anthracene	ug/Kg	440 J	430 J	380 U	120 J	380 U	380 U	380 U	4500 U
Carbazole	ug/Kg	780 J	740 J	380 U	50 J	380 U	380 U	380 U	4500 U
Di-n-butylphthalate	ug/Kg	1000 U	1200 U	380 U	390 U	380 U	380 U	380 U	4500 U
Fluoranthene	ug/Kg	5100	5100	120 J	1400	56 J	56 J	56 J	240 J
Pyrene	ug/Kg	3500	3700	150 J	1200	50 J	50 J	50 J	300 J
Butylbenzylphthalate	ug/Kg	1000 U	1200 U	43 J	390 U	380 U	380 U	380 U	4500 U
3,3'-Dichlorobenzidine	ug/Kg	1000 U	1200 U	380 U	390 U	380 U	380 U	380 U	4500 U
Benzo(a)anthracene	ug/Kg	2000	2200	85 J	800	27 J	27 J	27 J	4500 U
Chrysene	ug/Kg	2400	2600	110 J	840	33 J	33 J	33 J	230 J
bis(2-Ethylhexyl)phthalate	ug/Kg	1100	1400	720	890	860	860	860	5600
Di-n-octylphthalate	ug/Kg	1000 U	1200 U	380 U	390 U	380 U	380 U	380 U	4500 U
Benzo(b)fluoranthene	ug/Kg	2000	2300	120 J	900	35 J	35 J	35 J	230 J
Benzo(k)fluoranthene	ug/Kg	2100	2000	89 J	710	33 J	33 J	33 J	4500 U
Benzo(a)pyrene	ug/Kg	2200	2500	110 J	840	32 J	32 J	32 J	220 J
Indeno(1,2,3-cd)pyrene	ug/Kg	1200	1300	80 J	580	21 J	21 J	21 J	4500 U
Dibenz(a,h)anthracene	ug/Kg	1000 U	1200 U	34 J	250 J	380 U	380 U	380 U	4500 U
Benzo(g,h,i)perylene	ug/Kg	1000 U	1100 J	92 J	600	26 J	26 J	26 J	4500 U

SENECA ARMY DEPOT
SEAD-5 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-5	SOIL SEAD-5	SOIL SEAD-5	SOIL SEAD-5	SOIL SEAD-5	SOIL SEAD-5	SOIL SEAD-5	SOIL SEAD-5	SOIL SEAD-5
UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
COMPOUND									
PESTICIDES/PCB									
alpha-BHC	ug/Kg	1.9 U	3.6 U	2 U	4 U	4 U	2 U	2 U	2.3 U
beta-BHC	ug/Kg	1.9 U	3.6 U	2 U	4 U	4 U	2 U	2 U	1.9 J
delta-BHC	ug/Kg	1.9 U	3.6 U	2 U	4 U	4 U	2 U	2 U	2.3 U
gamma-BHC (Lindane)	ug/Kg	1.9 U	3.6 U	2 U	4 U	4 U	2 U	2 U	4.3 J
Heptachlor	ug/Kg	1.9 U	3.6 U	2 U	4 U	4 U	2 U	2 U	7.5 J
Aldrin	ug/Kg	1.9 U	3.6 U	2.4 J	4 U	4 U	2 U	2 U	2.3 U
Heptachlor epoxide	ug/Kg	1.9 U	3.6 U	2 U	4 U	4 U	2 U	2 U	7.5 J
Endosulfan I	ug/Kg	1.9 U	3.6 U	2 U	4 U	4 U	2 U	2 U	2.7 J
Dieldrin	ug/Kg	3.6 U	7.1 U	3.8 U	7.8 U	7.8 U	3.8 U	3.8 U	2.3 U
4,4'-DDE	ug/Kg	8 J	7.6 J	25	12	16 J	3.8 U	3.8 U	4.5 U
Endrin	ug/Kg	3.6 U	3.8 J	3.8 U	7.8 U	7.8 U	3.8 U	3.8 U	9.1
Endosulfan II	ug/Kg	5.6	8.4	3.8 U	7.8 U	7.8 U	3.8 U	3.8 U	4.5 U
4,4'-DDD	ug/Kg	3.6 U	7.1 U	27	3.9 J	5.7 J	3.8 U	3.8 U	4.5 U
Endosulfan sulfate	ug/Kg	3.6 U	7.1 U	3.8 U	7.8 U	7.8 U	3.8 U	3.8 U	12
4,4'-DDT	ug/Kg	12	15	1.9 J	6 J	10	3.8 U	3.8 U	4.5 U
Methoxychlor	ug/Kg	19 U	36 U	20 U	40 U	40 U	20 U	20 U	23 U
Endrin ketone	ug/Kg	3.6 U	7.1 U	3.8 U	7.8 U	7.8 U	3.8 U	3.8 U	4.5 U
Endrin aldehyde	ug/Kg	4.7 J	6.8 J	7.3	7.8 U	7.8 U	3.8 U	3.8 U	6.6 J
alpha-Chlordane	ug/Kg	1.9 U	3.6 U	11	4 U	3.8 J	6.2	8.8	13
gamma-Chlordane	ug/Kg	1.9 U	3.6 U	8.7	4 U	8.7	5.5	7.5	7.9
Toxaphene	ug/Kg	190 U	360 U	200 U	400 U	400 U	200 U	200 U	230 U
Aroclor-1016	ug/Kg	36 U	71 U	38 U	78 U	78 U	38 U	38 U	45 U
Aroclor-1221	ug/Kg	73 U	140 U	77 U	160 U	160 U	78 U	78 U	92 U
Aroclor-1232	ug/Kg	36 U	71 U	38 U	78 U	78 U	38 U	38 U	45 U
Aroclor-1242	ug/Kg	36 U	71 U	38 U	78 U	78 U	38 U	38 U	45 U
Aroclor-1248	ug/Kg	36 U	71 U	38 U	78 U	78 U	38 U	38 U	45 U
Aroclor-1254	ug/Kg	36 U	71 U	38 U	78 U	78 U	38 U	38 U	45 U
Aroclor-1260	ug/Kg	36 U	71 U	38 U	78 U	78 U	38 U	38 U	45 U
METALS									
Aluminum	mg/Kg	7360 J	6010 J	5660 J	13100 J		13900 J		7060 J
Antimony	mg/Kg	0.53 J	0.55 J	9.1 J	8.1 J		6.5 J		4.3 UJ
Arsenic	mg/Kg	5.4 J	5.2 J	4.4 J	4.2 J		3.8 J		3.4 J
Barium	mg/Kg	106 J	148 J	136 J	84.8 J		101 J		166 J
Beryllium	mg/Kg	0.31 J	0.3 J	0.26 J	0.58 J		0.64 J		0.24 J
Cadmium	mg/Kg	0.34 J	0.35 J	1.7	0.44 U		0.49 U		1.4
Calcium	mg/Kg	90700 J	191000 J	107000 J	34700 J		55600 J		48700 J
Chromium	mg/Kg	12.3 J	11.3 J	12.8	21.3		19.5		11.6
Cobalt	mg/Kg	6.5 J	6.7 J	4.8 J	11		9.6 J		4.6 J
Copper	mg/Kg	28.2 J	21.4 J	233	39.5		47.3		285
Iron	mg/Kg	15800 J	14200 J	13500 J	25700 J		23900 J		13300 J
Lead	mg/Kg	42.3 J	47.4 J	59.7	42.4		15.1		38.2
Magnesium	mg/Kg	10100 J	14800 J	31100 J	11700 J		21800 J		13200 J
Manganese	mg/Kg	564 J	816 J	436 R	514 R		534 R		277 R
Mercury	mg/Kg	0.03 J	0.03 J	0.88 J	0.2 J		0.92 J		1.8 J
Nickel	mg/Kg	21.1 J	15.9 J	17	33.5		25.6		14.2
Potassium	mg/Kg	1240 J	1400 J	940 J	1440		1750		1020
Selenium	mg/Kg	0.14 U	0.14 U	0.8 J	0.34 J		0.19 UJ		1.1 J
Silver	mg/Kg	0.15 U	0.15 U	4.7	0.88 U		1.7 J		8
Sodium	mg/Kg	101 J	140 J	202 J	77.4 J		127 J		162 J
Thallium	mg/Kg	1.2 U	1.2 U	0.19 U	0.24 U		0.21 U		0.29 U
Vanadium	mg/Kg	16.1 J	15.8 J	14	21.7		23.2		11.5
Zinc	mg/Kg	101 J	66.3 J	304 J	197 J		91.8 J		242 J
Cyanide	mg/Kg	0.53 U	0.54 U	0.79	0.59 U		0.57 U		0.64 U
OTHER ANALYSES									
Nitrate/Nitrite-Nitrogen	mg/Kg	3.3	3	1.49	8.4		4.1		220
Total Petroleum Hydrocarbons	mg/Kg								
Total Solids	%W/W	90.4	92.3	86.6	85		86.1		72.6

SENECA ARMY DEPOT
SEAD-5 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-5 07/11/94 MW5-1 226650 45282	WATER SEAD-5 03/30/94 MW5-2 216045 43179	WATER SEAD-5 07/11/94 MW5-3 226661 45282
VOLATILE ORGANICS				
Chloromethane	ug/L	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U
HERBICIDES				
2,4-D	ug/L			
2,4-DB	ug/L			
2,4,5-T	ug/L			
2,4,5-TP (Silvex)	ug/L			
Dalapon	ug/L			
Dicamba	ug/L			
Dichloroprop	ug/L			
Dinoseb	ug/L			
MCPA	ug/L			
MCPP	ug/L			
NITROAROMATICS				
HMX	ug/L			
RDX	ug/L			
1,3,5-Trinitrobenzene	ug/L			
1,3-Dinitrobenzene	ug/L			
Tetryl	ug/L			
2,4,6-Trinitrotoluene	ug/L			
4-amino-2,6-Dinitrotoluene	ug/L			
2-amino-4,6-Dinitrotoluene	ug/L			
2,6-Dinitrotoluene	ug/L			
2,4-Dinitrotoluene	ug/L			

NOTES:
NR stands for NOT RECORDED

SENECA ARMY DEPOT
SEAD-5 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMP LE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-5 07/11/94 MW5-1 226660 45282	WATER SEAD-5 03/30/94 MW5-2 216045 43179	WATER SEAD-5 07/11/94 MW5-3 226661 45282
SEMIVOLATILE ORGANICS				
Phenol	ug/L	10 U	10 U	10 U
bis(2-Chloroethyl) ether	ug/L	10 U	10 U	10 U
2-Chlorophenol	ug/L	10 U	10 U	10 U
1,3-Dichlorobenzene	ug/L	10 U	10 U	10 U
1,4-Dichlorobenzene	ug/L	10 U	10 U	10 U
1,2-Dichlorobenzene	ug/L	10 U	10 U	10 U
2-Methylphenol	ug/L	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	10 U	10 U
4-Methylphenol	ug/L	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	ug/L	10 U	10 U	10 U
Hexachloroethane	ug/L	10 U	10 U	10 U
Nitrobenzene	ug/L	10 U	10 U	10 U
Isophorone	ug/L	10 U	10 U	10 U
2-Nitrophenol	ug/L	10 U	10 U	10 U
2,4-Dimethylphenol	ug/L	10 U	10 U	10 U
bis(2-Chloroethoxy) methane	ug/L	10 U	10 U	10 U
2,4-Dichlorophenol	ug/L	10 U	10 U	10 U
1,2,4-Trichlorobenzene	ug/L	10 U	10 U	10 U
Naphthalene	ug/L	10 U	10 U	10 U
4-Chloroaniline	ug/L	10 U	10 U	10 U
Hexachlorobutadiene	ug/L	10 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L	10 U	10 U	10 U
2-Methylnaphthalene	ug/L	10 U	10 U	10 U
Hexachlorocyclopentadiene	ug/L	10 U	10 U	10 U
2,4,6-Trichlorophenol	ug/L	10 U	10 U	10 U
2,4,5-Trichlorophenol	ug/L	25 U	25 U	28 U
2-Chloronaphthalene	ug/L	10 U	10 U	10 U
2-Nitroaniline	ug/L	25 U	25 U	28 U
Dimethylphthalate	ug/L	10 U	10 U	10 U
Acenaphthylene	ug/L	10 U	10 U	10 U
2,6-Dinitrotoluene	ug/L	10 U	10 U	10 U
3-Nitroaniline	ug/L	25 U	25 U	28 U
Acenaphthene	ug/L	10 U	10 U	10 U
2,4-Dinitrophenol	ug/L	25 U	25 U	28 U
4-Nitrophenol	ug/L	25 U	25 U	28 U
Dibenzofuran	ug/L	10 U	10 U	10 U
2,4-Dinitrotoluene	ug/L	10 U	10 U	10 U
Diethylphthalate	ug/L	10 U	10 U	10 U
4-Chlorophenyl-phenyl ether	ug/L	10 U	10 U	10 U
Fluorene	ug/L	10 U	10 U	10 U
4-Nitroaniline	ug/L	25 U	25 U	28 U
4,6-Dinitro-2-methylphenol	ug/L	25 U	25 U	28 U
N-Nitrosodiphenylamine	ug/L	10 U	10 U	10 U
4-Bromophenyl-phenyl ether	ug/L	10 U	10 U	10 U
Hexachlorobenzene	ug/L	10 U	10 U	10 U
Pentachlorophenol	ug/L	25 U	25 U	28 U
Phenanthrene	ug/L	10 U	10 U	10 U
Anthracene	ug/L	10 U	10 U	10 U
Carbazole	ug/L	10 U	10 U	10 U
Di-n-butylphthalate	ug/L	10 U	10 U	10 U
Fluoranthene	ug/L	10 U	10 U	10 U
Pyrene	ug/L	10 U	10 U	10 U
Butylbenzylphthalate	ug/L	10 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L	10 U	10 U	10 U
Benzo(a)anthracene	ug/L	10 U	10 U	10 U
Chrysene	ug/L	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	10 U	10 U
Di-n-octylphthalate	ug/L	10 U	10 U	10 U
Benzo(b)fluoranthene	ug/L	10 U	10 U	10 U
Benzo(k)fluoranthene	ug/L	10 U	10 U	10 U
Benzo(a)pyrene	ug/L	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	10 U	10 U
Dibenz(a,h)anthracene	ug/L	10 U	10 U	10 U
Benzo(g,h,i)perylene	ug/L	10 U	10 U	10 U

SENECA ARMY DEPOT
SEAD-5 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER
	LOCATION	SEAD-5	SEAD-5	SEAD-5
	SAMPLE DATE	07/11/94	03/30/94	07/11/94
	ES ID	MW5-1	MW5-2	MW5-3
	LAB ID	226660	216045	226661
	SDG NUMBER	45282	43179	45282
	UNITS			
PESTICIDES/PCB				
alpha-BHC	ug/L	0.056 U	0.05 U	0.052 U
beta-BHC	ug/L	0.056 U	0.05 U	0.052 U
delta-BHC	ug/L	0.056 U	0.05 U	0.052 U
gamma-BHC (Lindane)	ug/L	0.056 U	0.05 U	0.052 U
Heptachlor	ug/L	0.056 U	0.05 U	0.052 U
Aldrin	ug/L	0.056 U	0.05 U	0.052 U
Heptachlor epoxide	ug/L	0.056 U	0.05 U	0.052 U
Endosulfan I	ug/L	0.056 U	0.05 U	0.052 U
Dieldrin	ug/L	0.11 U	0.1 U	0.1 U
4,4'-DDE	ug/L	0.11 U	0.1 U	0.1 U
Endrin	ug/L	0.11 U	0.1 U	0.1 U
Endosulfan II	ug/L	0.11 U	0.1 U	0.1 U
4,4'-DDD	ug/L	0.11 U	0.1 U	0.1 U
Endosulfan sulfate	ug/L	0.11 U	0.1 U	0.1 U
4,4'-DDT	ug/L	0.11 U	0.1 U	0.1 U
Methoxychlor	ug/L	0.56 U	0.5 U	0.52 U
Endrin ketone	ug/L	0.11 U	0.1 U	0.1 U
Endrin aldehyde	ug/L	0.11 U	0.1 U	0.1 U
alpha-Chlordane	ug/L	0.056 U	0.05 U	0.052 U
gamma-Chlordane	ug/L	0.056 U	0.05 U	0.052 U
Toxaphene	ug/L	5.6 U	5 U	5.2 U
Aroclor-1016	ug/L	1.1 U	1 U	1 U
Aroclor-1221	ug/L	2.2 U	2 U	2.1 U
Aroclor-1232	ug/L	1.1 U	1 U	1 U
Aroclor-1242	ug/L	1.1 U	1 U	1 U
Aroclor-1248	ug/L	1.1 U	1 U	1 U
Aroclor-1254	ug/L	1.1 U	1 U	1 U
Aroclor-1260	ug/L	1.1 U	1 U	1 U
METALS				
Aluminum	ug/L	1310	1090	2610
Antimony	ug/L	1.3 U	1 U	1.3 U
Arsenic	ug/L	2 U	1.5 U	2.8 J
Barium	ug/L	42.2 J	71.3 J	128 J
Beryllium	ug/L	0.1 U	0.06 U	0.16 J
Cadmium	ug/L	0.2 U	0.1 U	0.2 U
Calcium	ug/L	240000	110000	132000
Chromium	ug/L	2.5 J	2.3 J	5.7 J
Cobalt	ug/L	2.6 J	1.6 J	6.4 J
Copper	ug/L	2.2 J	3.2 J	8.2 J
Iron	ug/L	2670	2100	5500
Lead	ug/L	0.89 U	0.8 U	6.5
Magnesium	ug/L	43200	18200	21200
Manganese	ug/L	450	62.5	5230
Mercury	ug/L	0.04 U	0.03 U	0.04 U
Nickel	ug/L	5.3 J	4 J	12.7 J
Potassium	ug/L	4650 J	2090 J	2400 J
Selenium	ug/L	2.7 U	1.7 U	2.7 U
Silver	ug/L	0.5 U	0.7 U	0.5 U
Sodium	ug/L	73500	80000	210000
Thallium	ug/L	1.9 U	1.6 U	1.9 J
Vanadium	ug/L	2.6 J	2.3 J	5.3 J
Zinc	ug/L	11.5 J	10 J	45.8
Cyanide	ug/L	5 U	5 U	5 U
OTHER ANALYSES				
Nitrate/Nitrite - Nitrogen	mg/L	0.24	1.33	0.02 U
Total Petroleum Hydrocarbons	mg/L			
pH	Standard Units	6.9	7.2	6.7
Conductivity	umhos/cm	1220	550	NR
Temperature	°C	13.1	3.4	19.5
Turbidity	NTU	40	70.6	>100

SENECA ARMY DEPOT
SEAD-9 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-9 0-0.2 05/24/94 SB9-1-00 222207 44345	SOIL SEAD-9 4-6 05/24/94 SB9-1-03 222208 44345	SOIL SEAD-9 8-9 05/24/94 SB9-1-05 222209 44345	SOIL SEAD-9 0-0.2 05/24/94 SB9-2-00 222210 44345	SOIL SEAD-9 4-6 05/24/94 SB9-2-03 222211 44345	SOIL SEAD-9 8-9 05/24/94 SB9-2-05 222212 44345	SOIL SEAD-9 0-0.2 05/24/94 SB9-3-00 222213 44345	SOIL SEAD-9 4-6 05/24/94 SB9-3-03 222214 44345	SOIL SEAD-9 6-8 05/24/94 SB9-3-04 222215 44345
VOLATILE ORGANICS									
Chloromethane	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	12 U	12 U
Bromomethane	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	12 U	12 U
Vinyl Chloride	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	12 U	12 U
Chloroethane	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	12 U	12 U
Methylene Chloride	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	12 U	12 U
Acetone	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	12 U	12 U
Carbon Disulfide	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	12 U	12 U
1,1-Dichloroethane	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	12 U	12 U
1,1-Dichloroethane	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	12 U	12 U
1,2-Dichloroethane (total)	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	12 U	12 U
Chloroform	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	12 U	12 U
1,2-Dichloroethane	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	12 U	12 U
2-Butanone	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	12 U	12 U
1,1,1-Trichloroethane	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	12 U	12 U
Carbon Tetrachloride	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	12 U	12 U
Bromodichloromethane	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	12 U	12 U
1,2-Dichloropropane	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	12 U	12 U
cis-1,3-Dichloropropene	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	12 U	12 U
Trichloroethene	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	12 U	12 U
Dibromochloromethane	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	12 U	12 U
1,1,2-Trichloroethane	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	12 U	12 U
Benzene	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	12 U	12 U
trans-1,3-Dichloropropene	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	12 U	12 U
Bromoform	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	12 U	12 U
4-Methyl-2-Pentanone	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	12 U	12 U
2-Hexanone	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	12 U	12 U
Tetrachloroethene	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	12 U	12 U
1,1,2,2-Tetrachloroethane	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	12 U	12 U
Toluene	ug/Kg	11 U	1 J	12 U	11 U	1 J	12 U	12 U	12 U
Chlorobenzene	ug/Kg	11 U	12 U	12 U	11 U	2 J	12 U	12 U	12 U
Ethylbenzene	ug/Kg	11 U	1 J	12 U	11 U	11 U	12 U	12 U	12 U
Styrene	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	12 U	12 U
Xylene (total)	ug/Kg	11 U	2 J	12 U	11 U	11 U	12 U	12 U	12 U
HERBICIDES									
2,4-D	ug/Kg								
2,4-DB	ug/Kg								
2,4,5-T	ug/Kg								
2,4,5-TP (Silvex)	ug/Kg								
Dalapon	ug/Kg								
Dicamba	ug/Kg								
Dichloroprop	ug/Kg								
Dinoseb	ug/Kg								
MCPA	ug/Kg								
MCPP	ug/Kg								
NITROAROMATICS									
HMX	ug/Kg								
RDX	ug/Kg								
1,3,5-Trinitrobenzene	ug/Kg								
1,3-Dinitrobenzene	ug/Kg								
Tetryl	ug/Kg								
2,4,6-Trinitrotoluene	ug/Kg								
4-amino-2,6-Dinitrotoluene	ug/Kg								
2-amino-4,6-Dinitrotoluene	ug/Kg								
2,6-Dinitrotoluene	ug/Kg								
2,4-Dinitrotoluene	ug/Kg								

SENECA ARMY DEPOT
SEAD-9 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-9 0-0.2 05/24/94 SB9-1-00 222207 44345	SOIL SEAD-9 4-6 05/24/94 SB9-1-03 222208 44345	SOIL SEAD-9 8-9 05/24/94 SB9-1-05 222209 44345	SOIL SEAD-9 0-0.2 05/24/94 SB9-2-00 222210 44345	SOIL SEAD-9 4-6 05/24/94 SB9-2-03 222211 44345	SOIL SEAD-9 8-9 05/24/94 SB9-2-05 222212 44345	SOIL SEAD-9 0-0.2 05/24/94 SB9-3-00 222213 44345	SOIL SEAD-9 4-6 05/24/94 SB9-3-03 222214 44345	SOIL SEAD-9 6-8 05/24/94 SB9-3-04 222215 44345	
SEMIVOLATILE ORGANICS										
Phenol	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
bis(2-Chloroethyl) ether	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
2-Chlorophenol	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
1,3-Dichlorobenzene	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
1,4-Dichlorobenzene	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
1,2-Dichlorobenzene	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
2-Methylphenol	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
2,2'-oxybis(1-Chloropropane)	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
4-Methylphenol	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
N-Nitroso-di-n-propylamine	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
Hexachloroethane	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
Nitrobenzene	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
Isophorone	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
2-Nitrophenol	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
2,4-Dimethylphenol	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
bis(2-Chloroethoxy) methane	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
2,4-Dichlorophenol	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
1,2,4-Trichlorobenzene	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
Naphthalene	ug/Kg 23 J	360 J	380 U	32 J	20 J	410 U	31 J	400 U	370 U	
4-Chloroaniline	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
Hexachlorobutadiene	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
4-Chloro-3-methylphenol	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
2-Methylnaphthalene	ug/Kg 27 J	140 J	380 U	470 U	33 J	410 U	390 U	400 U	370 U	
Hexachlorocyclopentadiene	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
2,4,6-Trichlorophenol	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
2,4,5-Trichlorophenol	ug/Kg 850 U	1900 U	930 U	1100 U	860 U	1000 U	940 U	960 U	910 U	
2-Chloronaphthalene	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
2-Nitroaniline	ug/Kg 850 U	1900 U	930 U	1100 U	860 U	1000 U	940 U	960 U	910 U	
Dimethylphthalate	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
Acenaphthylene	ug/Kg 28 J	40 J	380 U	29 J	350 U	410 U	24 J	400 U	370 U	
2,6-Dinitrotoluene	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
3-Nitroaniline	ug/Kg 850 U	1900 U	930 U	1100 U	860 U	1000 U	940 U	960 U	910 U	
Acenaphthene	ug/Kg 90 J	790 J	380 U	130 J	350 U	410 U	87 J	400 U	370 U	
2,4-Dinitrophenol	ug/Kg 850 U	1900 U	930 U	1100 U	860 U	1000 U	940 U	960 U	910 U	
4-Nitrophenol	ug/Kg 850 U	1900 U	930 U	1100 U	860 U	1000 U	940 U	960 U	910 U	
Dibenzofuran	ug/Kg 39 J	360 J	380 U	39 J	350 U	410 U	36 J	400 U	370 U	
2,4-Dinitrotoluene	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
Diethylphthalate	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
4-Chlorophenyl-phenylether	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
Fluorene	ug/Kg 67 J	610 J	380 U	85 J	350 U	410 U	87 J	400 U	370 U	
4-Nitroaniline	ug/Kg 850 U	1900 U	930 U	1100 U	860 U	1000 U	940 U	960 U	910 U	
4,8-Dinitro-2-methylphenol	ug/Kg 850 U	1900 U	930 U	1100 U	860 U	1000 U	940 U	960 U	910 U	
N-Nitrosodiphenylamine	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
4-Bromophenyl-phenylether	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
Hexachlorobenzene	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
Pentachlorophenol	ug/Kg 850 U	1900 U	930 U	1100 U	860 U	1000 U	940 U	960 U	910 U	
Phenanthrene	ug/Kg 720	4300	380 U	1200	280 J	79 J	910	400 U	370 U	
Anthracene	ug/Kg 210 J	1100	380 U	260 J	88 J	410 U	220 J	400 U	370 U	
Carbazole	ug/Kg 150 J	860	380 U	240 J	350 U	410 U	160 J	400 U	370 U	
Di-n-butylphthalate	ug/Kg 55 J	70 J	380 U	470 U	350 U	410 U	85 J	56 J	43 J	
Fluoranthene	ug/Kg 1700	6200	380 U	2500	540	97 J	1200	25 J	370 U	
Pyrene	ug/Kg 1400	5100	380 U	2400	570	160 J	1400	39 J	370 U	
Butylbenzylphthalate	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
3,3'-Dichlorobenzidine	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
Benzo(a)anthracene	ug/Kg 680	2600	380 U	1200	380	410 U	670	400 U	370 U	
Chrysene	ug/Kg 720	2300	380 U	1200	440	410 U	680	400 U	370 U	
bis(2-Ethylhexyl)phthalate	ug/Kg 88 J	240 J	20 J	84 J	350 U	410 U	95 J	400 U	60 J	
Di-n-octylphthalate	ug/Kg 350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U	
Benzo(b)fluoranthene	ug/Kg 1600 JN	4700 JN	380 U	2400 JN	590 JN	410 U	1600 JN	400 U	370 U	
Benzo(k)fluoranthene	ug/Kg 350 UJN	800 UJN	380 U	470 UJN	350 UJN	410 U	390 UJN	400 U	370 U	
Benzo(a)pyrene	ug/Kg 670	2100	380 U	990	350 J	410 U	750	400 U	370 U	
Indeno(1,2,3-cd)pyrene	ug/Kg 430	1100	380 U	570	350 U	410 U	420	400 U	370 U	
Dibenz(a,h)anthracene	ug/Kg 190 J	670 J	380 U	290 J	350 U	410 U	160 J	400 U	370 U	
Benzo(g,h,i)perylene	ug/Kg 310 J	760 J	380 U	460 J	350 U	410 U	230 J	400 U	370 U	

SENECA ARMY DEPOT
SEAD-9 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-9 0-0.2 05/24/94 SB9-1-00 222207 44345	SOIL SEAD-9 4-6 05/24/94 SB9-1-03 222208 44345	SOIL SEAD-9 8-9 05/24/94 SB9-1-05 222209 44345	SOIL SEAD-9 0-0.2 05/24/94 SB9-2-00 222210 44345	SOIL SEAD-9 4-6 05/24/94 SB9-2-03 222211 44345	SOIL SEAD-9 8-9 05/24/94 SB9-2-05 222212 44345	SOIL SEAD-9 0-0.2 05/24/94 SB9-3-00 222213 44345	SOIL SEAD-9 4-6 05/24/94 SB9-3-03 222214 44345	SOIL SEAD-9 6-8 05/24/94 SB9-3-04 222215 44345	
PESTICIDES/PCB										
alpha-BHC	ug/Kg	3.8 U	4.1 U	2 U	1.8 U	1.8 U	2.1 U	2 U	2 U	1.9 U
beta-BHC	ug/Kg	3.6 U	4.1 U	2 U	1.8 U	1.8 U	2.1 U	2 U	2 U	1.9 U
delta-BHC	ug/Kg	3.6 U	4.1 U	2 U	1.8 U	1.8 U	2.1 U	0.94 J	2 U	1.9 U
gamma-BHC (Lindane)	ug/Kg	3.6 U	4.1 U	2 U	1.8 U	1.3 J	2.1 U	2 U	2 U	1.9 U
Heptachlor	ug/Kg	3.6 U	4.1 U	2 U	1.8 U	5.7	2.1 U	2 U	2 U	1.9 U
Aldrin	ug/Kg	2.4 J	4.1 U	2 U	1.8 U	1.8 U	2.1 U	2 U	2 U	1.9 U
Heptachlor epoxide	ug/Kg	3.6 U	4.1 U	2 U	1.8 U	1.1 J	2.1 U	2 U	2 U	1.9 U
Endosulfan I	ug/Kg	3.6 U	4.1 U	2 U	1.8 U	1.8 U	2.1 U	2 U	2 U	1.9 U
Dieldrin	ug/Kg	7 U	8 U	3.8 U	3.5 U	3.5 U	4.1 U	3 J	4 U	3.7 U
4,4'-DDE	ug/Kg	55	13 J	3.8 U	25	25	4 J	23	4 U	3.7 U
Endrin	ug/Kg	7 U	8 U	3.8 U	3.5 U	3.5 U	4.1 U	3.8 U	4 U	3.7 U
Endosulfan II	ug/Kg	7 U	8 U	3.8 U	3.5 U	3.5 U	4.1 U	3.9 U	4 U	3.7 U
4,4'-DDD	ug/Kg	14 J	8.1 J	3.8 U	16	14	2.6 J	4.2 J	4 U	3.7 U
Endosulfan sulfate	ug/Kg	7 U	8 U	3.8 U	3.5 U	3.5 U	4.1 U	3.9 U	4 U	3.7 U
4,4'-DDT	ug/Kg	73 J	33 J	3.8 U	37	45 J	4 J	27	4 U	3.7 U
Methoxychlor	ug/Kg	36 U	41 U	20 U	18 U	18 U	21 U	20 U	20 U	19 U
Endrin ketone	ug/Kg	7 U	8 U	3.8 U	3.5 U	3.5 U	4.1 U	3.9 U	4 U	3.7 U
Endrin aldehyde	ug/Kg	7 U	8 U	3.8 U	3.5 U	3.5 U	4.1 U	3.9 U	4 U	3.7 U
alpha-Chlordane	ug/Kg	8	4.7 J	2 U	1.8 U	16 J	1.2 J	1.9 J	2 U	1.9 U
gamma-Chlordane	ug/Kg	3.8 U	4.1 U	2 U	1.7 J	19	1.4 J	2 U	2 U	1.9 U
Toxaphene	ug/Kg	380 U	410 U	200 U	180 U	180 U	210 U	200 U	200 U	190 U
Aroclor-1016	ug/Kg	70 U	80 U	38 U	35 U	35 U	41 U	39 U	40 U	37 U
Aroclor-1221	ug/Kg	140 U	160 U	78 U	72 U	72 U	84 U	79 U	81 U	76 U
Aroclor-1232	ug/Kg	70 U	80 U	38 U	35 U	35 U	41 U	39 U	40 U	37 U
Aroclor-1242	ug/Kg	70 U	80 U	38 U	35 U	35 U	41 U	39 U	40 U	37 U
Aroclor-1248	ug/Kg	70 U	80 U	38 U	35 U	35 U	41 U	39 U	40 U	37 U
Aroclor-1254	ug/Kg	140 J	80 U	38 U	35 U	35 U	41 U	39 U	40 U	37 U
Aroclor-1260	ug/Kg	70 U	80 U	38 U	35 U	35 U	41 U	39 U	40 U	37 U
METALS										
Aluminum	mg/Kg	12700	12600	13600	8130	5230	14600	14000	15000	13300
Antimony	mg/Kg	0.34 J	0.13 UJ	0.19 UJ	0.45 J	0.31 J	0.27 J	0.71 J	0.21 UJ	0.13 UJ
Arsenic	mg/Kg	5.7	5.4	5.9	8.5	3.9	6.9	5.4	5.3	4.6
Barium	mg/Kg	76.9	73.1	51.2	91.4	38.3	64.9	88.3	101	70.8
Beryllium	mg/Kg	0.61 J	0.6 J	0.62 J	0.48 J	0.34 J	0.62 J	0.67 J	0.78 J	0.65
Cadmium	mg/Kg	0.97	0.89	0.44 J	1.1	0.61 J	0.68 J	0.76 J	0.65 J	0.65
Calcium	mg/Kg	63000	40900	2790	120000	217000	17100	20600	4780	19800
Chromium	mg/Kg	22.4	17.6	21.3	19.9	12.3	19.9	21	22.8	20.5
Cobalt	mg/Kg	12	10.2	7.8 J	10.5	5.8 J	10.4	11.4	12	11.5
Copper	mg/Kg	33	20.3	23.3	27.4	19.1	15.2	29.5	23.1	24.9
Iron	mg/Kg	24200	22400	25400	16400	10200	27700	25800	28600	26100
Lead	mg/Kg	50.3 J	21.7 J	10.4 J	85.1 J	43 J	20.6 J	47.4 J	16.2 J	11.5 J
Magnesium	mg/Kg	9240	8310	4140	13000	10900	4840	9360	4700	6860
Manganese	mg/Kg	524	635	313	984	320	467	710	681	472
Mercury	mg/Kg	0.05 J	0.08 J	0.26	0.1	0.07 J	0.07 J	0.06 J	0.09 J	0.08 J
Nickel	mg/Kg	35.1	25.1	35.7	41.6	15.8	21.4	24	28.4	23
Potassium	mg/Kg	2140 J	1430 J	1730 J	1790 J	1490 J	1250 J	2070 J	1420 J	1300 J
Selenium	mg/Kg	0.56 J	0.23 J	0.9 J	0.25 U	0.31 U	0.62 J	0.76 J	0.52 J	0.42 J
Silver	mg/Kg	0.12 UJ	0.09 UJ	0.13 UJ	0.1 UJ	0.13 UJ	0.14 UJ	0.13 UJ	0.15 UJ	0.09 UJ
Sodium	mg/Kg	115 J	65 J	64.7 J	139 J	168 J	185 J	29 U	48.2 J	65 J
Thallium	mg/Kg	0.27 U	0.2 U	0.3 U	0.23 U	0.29 U	0.32 U	0.29 U	0.34 U	0.2 U
Vanadium	mg/Kg	24.5	21.1	23.7	22.7	21.1	21.8	26.8	25.5	21.7
Zinc	mg/Kg	126	75.7	82.7	102	59.7	72	96.8	70.3	54.4
Cyanide	mg/Kg	0.47 U	0.58 U	0.54 U	0.53 U	0.48 U	0.61 U	0.48 U	0.59 U	0.55 U
OTHER ANALYSES										
Nitrate/Nitrite-Nitrogen	mg/Kg									
Total Petroleum Hydrocarbons	mg/Kg	245	1170	30 U	580	15900	1520	145	47	33
Total Solids	%W/W	93.9	83.1	85.8	93	93.4	80.2	84.7	83.4	88.2

SENECA ARMY DEPOT
SEAD-9 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER
	LOCATION	SEAD-9	SEAD-9	SEAD-9
	SAMPLE DATE	03/30/94	07/19/94	07/19/94
	ES ID	MW9-2	MW9-3	MW9-4
	LAB ID	216046	227439	227441
	SDG NUMBER	43179	45332	45332
	UNITS			MW9-3DUP
VOLATILE ORGANICS				
Chloromethane	ug/L	10 U	10 U	
Bromomethane	ug/L	10 U	10 U	
Vinyl Chloride	ug/L	10 U	10 U	
Chloroethane	ug/L	10 U	10 U	
Methylene Chloride	ug/L	10 U	10 U	
Acetone	ug/L	10 U	10 U	
Carbon Disulfide	ug/L	10 U	10 U	
1,1-Dichloroethene	ug/L	10 U	10 U	
1,1-Dichloroethane	ug/L	10 U	10 U	
1,2-Dichloroethene (total)	ug/L	10 U	10 U	
Chloroform	ug/L	10 U	10 U	
1,2-Dichloroethane	ug/L	10 U	10 U	
2-Butanone	ug/L	10 U	10 U	
1,1,1-Trichloroethane	ug/L	10 U	10 U	
Carbon Tetrachloride	ug/L	10 U	10 U	
Bromodichloromethane	ug/L	10 U	10 U	
1,2-Dichloropropane	ug/L	10 U	10 U	
cis-1,3-Dichloropropene	ug/L	10 U	10 U	
Trichloroethene	ug/L	10 U	10 U	
Dibromochloromethane	ug/L	10 U	10 U	
1,1,2-Trichloroethane	ug/L	10 U	10 U	
Benzene	ug/L	10 U	10 U	
trans-1,3-Dichloropropene	ug/L	10 U	10 U	
Bromoform	ug/L	10 U	10 U	
4-Methyl-2-Pentanone	ug/L	10 U	10 U	
2-Hexanone	ug/L	10 U	10 U	
Tetrachloroethene	ug/L	10 U	10 U	
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	
Toluene	ug/L	10 U	10 U	
Chlorobenzene	ug/L	10 U	10 U	
Ethylbenzene	ug/L	10 U	10 U	
Styrene	ug/L	10 U	10 U	
Xylene (total)	ug/L	10 U	10 U	
HERBICIDES				
2,4-D	ug/L			
2,4-DB	ug/L			
2,4,5-T	ug/L			
2,4,5-TP (Silvex)	ug/L			
Daipon	ug/L			
Dicamba	ug/L			
Dichloroprop	ug/L			
Dinoseb	ug/L			
MCPA	ug/L			
MCPP	ug/L			
NITROAROMATICS				
HMX	ug/L			
RDX	ug/L			
1,3,5-Trinitrobenzene	ug/L			
1,3-Dinitrobenzene	ug/L			
Tetryl	ug/L			
2,4,6-Trinitrotoluene	ug/L			
4-amino-2,6-Dinitrotoluene	ug/L			
2-amino-4,6-Dinitrotoluene	ug/L			
2,6-Dinitrotoluene	ug/L			
2,4-Dinitrotoluene	ug/L			

SENECA ARMY DEPOT
SEAD-9 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-9 03/30/94 MW9-2 216046 43179	WATER SEAD-9 07/19/94 MW9-3 227439 45332	WATER SEAD-9 07/19/94 MW9-4 227441 45332 MW9-3DUP
SEMIVOLATILE ORGANICS				
Phenol	ug/L	10 U	11 U	
bis(2-Chloroethyl) ether	ug/L	10 U	11 U	
2-Chlorophenol	ug/L	10 U	11 U	
1,3-Dichlorobenzene	ug/L	10 U	11 U	
1,4-Dichlorobenzene	ug/L	10 U	11 U	
1,2-Dichlorobenzene	ug/L	10 U	11 U	
2-Methylphenol	ug/L	10 U	11 U	
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	11 U	
4-Methylphenol	ug/L	10 U	11 U	
N-Nitroso-di-n-propylamine	ug/L	10 U	11 U	
Hexachloroethane	ug/L	10 U	11 U	
Nitrobenzene	ug/L	10 U	11 U	
Isophorone	ug/L	10 U	11 U	
2-Nitrophenol	ug/L	10 U	11 U	
2,4-Dimethylphenol	ug/L	10 U	11 U	
bis(2-Chloroethoxy) methane	ug/L	10 U	11 U	
2,4-Dichlorophenol	ug/L	10 U	11 U	
1,2,4-Trichlorobenzene	ug/L	10 U	11 U	
Naphthalene	ug/L	10 U	11 U	
4-Chloroaniline	ug/L	10 U	11 U	
Hexachlorobutadiene	ug/L	10 U	11 U	
4-Chloro-3-methylphenol	ug/L	10 U	11 U	
2-Methylnaphthalene	ug/L	10 U	11 U	
Hexachlorocyclopentadiene	ug/L	10 U	11 U	
2,4,6-Trichlorophenol	ug/L	10 U	11 U	
2,4,5-Trichlorophenol	ug/L	26 U	26 U	
2-Chloronaphthalene	ug/L	10 U	11 U	
2-Nitroaniline	ug/L	26 U	26 U	
Dimethylphthalate	ug/L	10 U	11 U	
Acenaphthylene	ug/L	10 U	11 U	
2,6-Dinitrotoluene	ug/L	10 U	11 U	
3-Nitroaniline	ug/L	26 U	26 U	
Acenaphthene	ug/L	10 U	11 U	
2,4-Dinitrophenol	ug/L	26 U	26 U	
4-Nitrophenol	ug/L	26 U	26 U	
Dibenzofuran	ug/L	10 U	11 U	
2,4-Dinitrotoluene	ug/L	10 U	11 U	
Diethylphthalate	ug/L	10 U	11 U	
4-Chlorophenyl-phenyl ether	ug/L	10 U	11 U	
Fluorene	ug/L	10 U	11 U	
4-Nitroaniline	ug/L	26 U	26 U	
4,6-Dinitro-2-methylphenol	ug/L	26 U	26 U	
N-Nitrosodiphenylamine	ug/L	10 U	11 U	
4-Bromophenyl-phenyl ether	ug/L	10 U	11 U	
Hexachlorobenzene	ug/L	10 U	11 U	
Pentachlorophenol	ug/L	26 U	26 U	
Phenanthrene	ug/L	10 U	11 U	
Anthracene	ug/L	10 U	11 U	
Carbazole	ug/L	10 U	11 U	
Di-n-butylphthalate	ug/L	10 U	11 U	
Fluoranthene	ug/L	10 U	11 U	
Pyrene	ug/L	10 U	11 U	
Butylbenzylphthalate	ug/L	10 U	11 U	
3,3'-Dichlorobenzidine	ug/L	10 U	11 U	
Benzo(a)anthracene	ug/L	10 U	11 U	
Chrysene	ug/L	10 U	11 U	
bis(2-Ethylhexyl)phthalate	ug/L	10 U	11 U	
Di-n-octylphthalate	ug/L	10 U	11 U	
Benzo(b)fluoranthene	ug/L	10 U	11 U	
Benzo(k)fluoranthene	ug/L	10 U	11 U	
Benzo(a)pyrene	ug/L	10 U	11 U	
Indeno(1,2,3-cd)pyrene	ug/L	10 U	11 U	
Dibenz(a,h)anthracene	ug/L	10 U	11 U	
Benzo(g,h,i)perylene	ug/L	10 U	11 U	

SENECA ARMY DEPOT
SEAD-9 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER
	LOCATION	SEAD-9	SEAD-9	SEAD-9
	SAMPLE DATE	03/30/94	07/19/94	07/19/94
	ES ID	MW9-2	MW9-3	MW9-4
	LAB ID	216046	227439	227441
	SDG NUMBER	43179	45332	45332
	UNITS			MW9-3DUP
PESTICIDES/PCB				
alpha-BHC	ug/L	0.052 U	0.051 U	
beta-BHC	ug/L	0.052 U	0.051 U	
delta-BHC	ug/L	0.052 U	0.051 U	
gamma-BHC (Lindane)	ug/L	0.052 U	0.051 U	
Heptachlor	ug/L	0.052 U	0.051 U	
Aldrin	ug/L	0.052 U	0.051 U	
Heptachlor epoxide	ug/L	0.052 U	0.051 U	
Endosulfan I	ug/L	0.052 U	0.051 U	
Dieldrin	ug/L	0.1 U	0.1 U	
4,4'-DDE	ug/L	0.1 U	0.1 U	
Endrin	ug/L	0.1 U	0.1 U	
Endosulfan II	ug/L	0.1 U	0.1 U	
4,4'-DDD	ug/L	0.1 U	0.1 U	
Endosulfan sulfate	ug/L	0.1 U	0.1 U	
4,4'-DDT	ug/L	0.1 U	0.1 U	
Methoxychlor	ug/L	0.52 U	0.51 U	
Endrin ketone	ug/L	0.1 U	0.1 U	
Endrin aldehyde	ug/L	0.1 U	0.1 U	
alpha-Chlordane	ug/L	0.052 U	0.051 U	
gamma-Chlordane	ug/L	0.052 U	0.051 U	
Toxaphene	ug/L	5.2 U	5.1 U	
Aroclor-1016	ug/L	1 U	1 U	
Aroclor-1221	ug/L	2.1 U	2 U	
Aroclor-1232	ug/L	1 U	1 U	
Aroclor-1242	ug/L	1 U	1 U	
Aroclor-1248	ug/L	1 U	1 U	
Aroclor-1254	ug/L	1 U	1 U	
Aroclor-1260	ug/L	1 U	1 U	
METALS				
Aluminum	ug/L	5000	1570 J	
Antimony	ug/L	0.99 U	1.3 U	
Arsenic	ug/L	1.6 J	2 U	
Barium	ug/L	102 J	105 J	
Beryllium	ug/L	0.13 J	0.1 U	
Cadmium	ug/L	0.1 U	0.2 U	
Calcium	ug/L	192000	186000	
Chromium	ug/L	8.4 J	2.6 J	
Cobalt	ug/L	5.6 J	2.1 J	
Copper	ug/L	5.4 J	2.3 J	
Iron	ug/L	9350	2950	
Lead	ug/L	1.7 J	0.89 U	
Magnesium	ug/L	26000	30900	
Manganese	ug/L	411	222	
Mercury	ug/L	0.03 U	0.04 U	
Nickel	ug/L	13 J	4.9 J	
Potassium	ug/L	1700 J	2700 J	
Selenium	ug/L	1.7 U	2.7 U	
Silver	ug/L	0.69 U	1 J	
Sodium	ug/L	26600	106000	
Thallium	ug/L	1.6 U	1.9 U	
Vanadium	ug/L	7 J	2.6 J	
Zinc	ug/L	29.1	13 J	
Cyanide	ug/L	5 U	5 U	
OTHER ANALYSES				
Nitrate/Nitrite - Nitrogen	mg/L			
Total Petroleum Hydrocarbons	mg/L	0.59	3	3
pH	Standard Units	7.7	7.4	
Conductivity	umhos/cm	550	1100	
Temperature	°C	3.9	14.1	
Turbidity	NTU	309	160	

SENECA ARMY DEPOT
SEAD-12 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12
DEPTH (FEET)	2.5	3	6	5	2.5	6	4	4	4	3	1
SAMPLE DATE	06/24/94	06/24/94	06/22/94	06/22/94	06/22/94	06/22/94	06/21/94	06/21/94	06/21/94	06/23/94	06/23/94
ES ID	TP12A-1-1	TP12A-1-2	TP12A-2-1	TP12A-2-2	TP12A-3-1	TP12A-3-2	TP12A-4-1	TP12A-4-2	TP12A-5-1	TP12A-5-2	TP12A-6-1
LAB ID	225531	225532	225398	225399	225400	225401	224878	224879	225539	225540	
SDG NUMBER	45048	45048	44799	44799	44799	44799	44799	44799	44799	45048	45048
COMPOUND	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
VOLATILE ORGANICS											
Chloromethane	ug/Kg	12 U	11 U	14 U	12 U	13 U	11 U	12 U	12 U	11 U	11 U
Bromomethane	ug/Kg	12 U	11 U	14 U	12 U	13 U	11 U	12 U	12 U	11 U	11 U
Vinyl Chloride	ug/Kg	12 U	11 U	14 U	12 U	13 U	11 U	12 U	12 U	11 U	11 U
Chloroethane	ug/Kg	12 U	11 U	14 U	12 U	13 U	11 U	12 U	12 U	11 U	11 U
Methylene Chloride	ug/Kg	12 U	11 U	14 U	12 U	13 U	1 J	12 U	12 U	11 U	11 U
Acetone	ug/Kg	12 U	11 U	14 U	12 U	13 U	1 J	12 U	12 U	11 U	11 U
Carbon Disulfide	ug/Kg	12 U	11 U	14 U	12 U	13 U	11 U	12 U	12 U	11 U	11 U
1,1-Dichloroethane	ug/Kg	12 U	11 U	14 U	12 U	13 U	11 U	12 U	12 U	11 U	11 U
1,1-Dichloroethane	ug/Kg	12 U	11 U	14 U	12 U	13 U	11 U	12 U	12 U	11 U	11 U
1,2-Dichloroethane (total)	ug/Kg	12 U	11 U	14 U	12 U	13 U	11 U	12 U	12 U	11 U	11 U
Chloroform	ug/Kg	12 U	11 U	14 U	12 U	13 U	11 U	12 U	12 U	11 U	11 U
1,2-Dichloroethane	ug/Kg	12 U	11 U	14 U	12 U	13 U	11 U	12 U	12 U	11 U	11 U
2-Butanone	ug/Kg	12 U	11 U	14 U	12 U	13 U	11 U	12 U	12 U	11 U	11 U
1,1,1-Trichloroethane	ug/Kg	12 U	11 U	14 U	12 U	13 U	11 U	12 U	12 U	11 U	11 U
Carbon Tetrachloride	ug/Kg	12 U	11 U	14 U	12 U	13 U	11 U	12 U	12 U	11 U	11 U
Bromodichloromethane	ug/Kg	12 U	11 U	14 U	12 U	13 U	11 U	12 U	12 U	11 U	11 U
1,2-Dichloropropane	ug/Kg	12 U	11 U	14 U	12 U	13 U	11 U	12 U	12 U	11 U	11 U
cis-1,3-Dichloropropene	ug/Kg	12 U	11 U	14 U	12 U	13 U	11 U	12 U	12 U	11 U	11 U
Trichloroethene	ug/Kg	3 J	26	14 U	12 U	13 U	11 U	2 J	12 U	11 U	11 U
Dibromochloromethane	ug/Kg	12 U	11 U	14 U	12 U	13 U	11 U	12 U	12 U	11 U	11 U
1,1,2-Trichloroethane	ug/Kg	12 U	11 U	14 U	12 U	13 U	11 U	12 U	12 U	11 U	11 U
Benzene	ug/Kg	12 U	11 U	14 U	12 U	13 U	11 U	12 U	12 U	11 U	11 U
trans-1,3-Dichloropropene	ug/Kg	12 U	11 U	14 U	12 U	13 U	11 U	12 U	12 U	11 U	11 U
Bromoform	ug/Kg	12 U	11 U	14 U	12 U	13 U	11 U	12 U	12 U	11 U	11 U
4-Methyl-2-Pentanone	ug/Kg	12 U	11 U	14 U	12 U	13 U	11 U	12 U	12 U	11 U	11 U
2-Hexanone	ug/Kg	12 U	11 U	14 U	12 U	13 U	11 U	12 U	12 U	11 U	11 U
Tetrachloroethene	ug/Kg	12 U	11 U	14 U	12 U	13 U	11 U	12 U	12 U	11 U	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	11 U	14 U	12 U	13 U	11 U	12 U	12 U	11 U	11 U
Toluene	ug/Kg	12 U	11 U	14 U	12 U	13 U	11 U	2 J	12 U	11 U	11 U
Chlorobenzene	ug/Kg	12 U	11 U	14 U	12 U	13 U	11 U	5 J	1 J	11 U	11 U
Ethylbenzene	ug/Kg	12 U	11 U	14 U	12 U	13 U	11 U	12 U	12 U	11 U	11 U
Styrene	ug/Kg	12 U	11 U	14 U	12 U	13 U	11 U	12 U	12 U	11 U	11 U
Xylene (total)	ug/Kg	12 U	11 U	14 U	12 U	13 U	11 U	12 U	12 U	11 U	11 U
HERBICIDES											
2,4-D	ug/Kg										
2,4-DB	ug/Kg										
2,4,5-T	ug/Kg										
2,4,5-TP (Silvex)	ug/Kg										
Dalapon	ug/Kg										
Dicamba	ug/Kg										
Dichloroprop	ug/Kg										
Dinoseb	ug/Kg										
MCPA	ug/Kg										
MCPP	ug/Kg										
NITROAROMATICS											
HMX	ug/Kg										
RDX	ug/Kg										
1,3,5-Trinitrobenzene	ug/Kg										
1,3-Dinitrobenzene	ug/Kg										
Tetryl	ug/Kg										
2,4,6-Trinitrotoluene	ug/Kg										
4-amino-2,6-Dinitrotoluene	ug/Kg										
2-amino-4,6-Dinitrotoluene	ug/Kg										
2,6-Dinitrotoluene	ug/Kg										
2,4-Dinitrotoluene	ug/Kg										

SENECA ARMY DEPOT
 SEAD-12 ENVIRONMENTAL SITE INSPECTION
 SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-12 2.5 06/24/94 TP12A-1-1 225531 45048	SOIL SEAD-12 3 06/24/94 TP12A-1-2 225532 45048	SOIL SEAD-12 6 06/22/94 TP12A-2-1 225398 44799	SOIL SEAD-12 5 06/22/94 TP12A-2-2 225399 44799	SOIL SEAD-12 2.5 06/22/94 TP12A-3-1 225400 44799	SOIL SEAD-12 6 06/22/94 TP12A-3-2 225401 44799	SOIL SEAD-12 4 06/21/94 TP12A-4-1 224878 44799	SOIL SEAD-12 4 06/21/94 TP12A-4-2 224879 44799	SOIL SEAD-12 3 06/23/94 TP12A-5-1 225539 45048	SOIL SEAD-12 1 06/23/94 TP12A-6-1 225540 45048
COMPOUND UNITS										
SEMIVOLATILE ORGANICS										
Phend	ug/Kg 300 J	48 J	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
bis(2-Chloroethyl) ether	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
2-Chlorophend	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
1,3-Dichlorobenzene	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
1,4-Dichlorobenzene	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
1,2-Dichlorobenzene	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
2-Methylphend	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
2,2'-oxybis(1-Chloropropane)	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
4-Methylphend	ug/Kg 140 J	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
N-Nitroso-d-n-propylamine	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
Hexachloroethane	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
Nitrobenzene	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
Isophorone	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
2-Nitrophenol	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
2,4-Dimethylphenol	ug/Kg 25 J	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
bis(2-Chloroethoxy) methane	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
2,4-Dichlorophenol	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
1,2,4-Trichlorobenzene	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
Naphthalene	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
4-Chloroaniline	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
Hexachlorobutadiene	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
4-Chloro-3-methylphenol	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
2-Methylnaphthalene	ug/Kg 400 U	21 J	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
Hexachlorocyclopentadiene	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
2,4,6-Trichlorophenol	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
2,4,5-Trichlorophenol	ug/Kg 980 U	920 U	11000 U	940 U	1100 U	900 U	940 U	960 U	900 U	920 U
2-Chloronaphthalene	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
2-Nitroaniline	ug/Kg 980 U	920 U	11000 U	940 U	1100 U	900 U	940 U	960 U	900 U	920 U
Dimethylphthalate	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
Aceraphthylene	ug/Kg 400 U	33 J	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
2,6-Dinitrotoluene	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
3-Nitroaniline	ug/Kg 980 U	920 U	11000 U	940 U	1100 U	900 U	940 U	960 U	900 U	920 U
Aceraphthene	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	44 J
2,4-Dinitrophenol	ug/Kg 980 U	920 U	11000 U	940 U	1100 U	900 U	940 U	960 U	900 U	920 U
4-Nitrophenol	ug/Kg 980 U	920 U	11000 U	940 U	1100 U	900 U	940 U	960 U	900 U	920 U
Dibenzofuran	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
2,4-Dinitrotoluene	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
Diethylphthalate	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
4-Chlorophenyl-phenylether	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
Fluorene	ug/Kg 400 U	52 J	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	35 J
4-Nitroaniline	ug/Kg 980 U	920 U	11000 U	940 U	1100 U	900 U	940 U	960 U	900 U	920 U
4,6-Dinitro-2-methylphenol	ug/Kg 980 U	920 U	11000 U	940 U	1100 U	900 U	940 U	960 U	900 U	920 U
N-Nitrosodiphenylamine	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
4-Bromophenyl-phenylether	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
Hexachlorobenzene	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
Pentachlorophend	ug/Kg 980 U	920 U	11000 U	940 U	1100 U	900 U	940 U	960 U	900 U	920 U
Phenanthrene	ug/Kg 27 J	340 J	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	280 J
Anthracene	ug/Kg 400 U	98 J	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	83 J
Carbazole	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	40 J
Di-n-butylphthalate	ug/Kg 400 U	1700	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	47 J
Fluoranthene	ug/Kg 40 J	420	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	300 J
Pyrene	ug/Kg 37 J	380	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	230 J
Butylbenzylphthalate	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
3,3'-Dichlorobenzidine	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
Benzo(a)anthracene	ug/Kg 21 J	180 J	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	99 J
Chrysene	ug/Kg 28 J	240 J	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	130 J
bis(2-Ethylhexyl)phthalate	ug/Kg 230 J	860	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
Di-n-octylphthalate	ug/Kg 400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
Benzo(b)fluoranthene	ug/Kg 28 J	190 J	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	95 J
Benzo(k)fluoranthene	ug/Kg 32 J	160 J	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	76 J
Benzo(a)pyrene	ug/Kg 30 J	200 J	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	92 J
Indeno(1,2,3-cd)pyrene	ug/Kg 400 U	120 J	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	69 J
Dibenz(a,h)anthracene	ug/Kg 400 U	57 J	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	43 J
Benzo(g,h)perylene	ug/Kg 400 U	120 J	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	29 J

SENECA ARMY DEPOT
SEAD-12 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SOIL SEAD-12 2.5 06/24/94 TP12A-1-1 225531 45048	SOIL SEAD-12 3 06/24/94 TP12A-1-2 225532 45048	SOIL SEAD-12 6 06/22/94 TP12A-2-1 225398 44799	SOIL SEAD-12 5 06/22/94 TP12A-2-2 225399 44799	SOIL SEAD-12 2.5 06/22/94 TP12A-3-1 225400 44799	SOIL SEAD-12 6 06/22/94 TP12A-3-2 225401 44799	SOIL SEAD-12 4 06/21/94 TP12A-4-1 224878 44799	SOIL SEAD-12 4 06/21/94 TP12A-4-2 224879 44799	SOIL SEAD-12 3 06/23/94 TP12A-5-1 225539 45048	SOIL SEAD-12 1 06/23/94 TP12A-6-1 225540 45048	
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2.1 U	2 U	4.7 U	2 U	2.2 U	1.9 U	2 U	2 U	1.9 U	2 U
beta-BHC	ug/Kg	2.1 U	2 U	4.7 U	2 U	2.2 U	1.9 U	2 U	2 U	1.9 U	2 U
delta-BHC	ug/Kg	2.1 U	2 U	4.7 U	2 U	2.2 U	1.9 U	2 U	2 U	1.9 U	2 U
gamma-BHC (Lindane)	ug/Kg	2.1 U	2 U	4.7 U	2 U	2.2 U	1.9 U	2 U	2 U	1.9 U	2 U
Heptachlor	ug/Kg	2.1 U	2 U	4.7 U	2 U	2.2 U	1.9 U	2 U	2 U	1.9 U	2 U
Aldrin	ug/Kg	0.79 J	2 U	4.7 U	2 U	2.2 U	1.9 U	2 U	2 U	1.9 U	2 U
Heptachlor epoxide	ug/Kg	2.1 U	2 U	4.7 U	2 U	2.2 U	1.9 U	2 U	2 U	1.9 U	2 U
Endosulfan I	ug/Kg	2.1 U	2 U	4.7 U	2 U	2.2 U	1.9 U	2 U	2 U	1.9 U	2 U
Dieldrin	ug/Kg	4 U	3.8 U	9 U	3.9 U	4.3 U	3.7 U	3.9 U	4 U	3.7 U	3.8 U
4,4'-DDE	ug/Kg	4 U	2.2 J	9 U	3.9 U	4.3 U	3.7 U	3.9 U	4 U	3.7 U	6.4
Endrin	ug/Kg	4 U	3.8 U	20 J	3.8 J	4.3 U	3.7 U	3.9 U	4 U	3.7 U	3.8 U
Endosulfan II	ug/Kg	4 U	3.8 U	9 U	3.9 U	4.3 U	3.7 U	3.9 U	4 U	3.7 U	3.8 U
4,4'-DDD	ug/Kg	4 U	3.8 U	9 U	3.9 U	4.3 U	3.7 U	3.9 U	4 U	3.7 U	5.1
Endosulfan sulfate	ug/Kg	4 U	3.8 U	9 U	3.9 U	4.3 U	3.7 U	3.9 U	4 U	3.7 U	3.8 U
4,4'-DDT	ug/Kg	4 U	3.8 U	9 U	3.9 U	4.3 U	3.7 U	3.9 U	4 U	3.7 U	3.8
Methoxychlor	ug/Kg	21 U	20 U	47 U	20 U	22 U	19 U	20 U	20 U	19 U	20 U
Endrin ketone	ug/Kg	4 U	3.8 U	9 U	3.9 U	4.3 U	3.7 U	3.9 U	4 U	3.7 U	3.8 U
Endrin aldehyde	ug/Kg	4 U	3.8 U	9 U	3.9 U	4.3 U	3.7 U	3.9 U	4 U	3.7 U	3.8 U
alpha-Chlordane	ug/Kg	2.1 U	1.5 J	4.7 U	2 U	2.2 U	1.9 U	2 U	2 U	1.9 U	2 U
gamma-Chlordane	ug/Kg	2.1 U	2 U	4.7 U	2.1 J	2.2 U	1.9 U	2 U	2 U	1.9 U	2 U
Toxaphene	ug/Kg	210 U	200 U	470 U	200 U	220 U	190 U	200 U	200 U	190 U	200 U
Aroclor-1016	ug/Kg	40 U	38 U	90 U	39 U	43 U	37 U	39 U	40 U	37 U	38 U
Aroclor-1221	ug/Kg	82 U	77 U	180 U	79 U	88 U	75 U	79 U	81 U	75 U	77 U
Aroclor-1232	ug/Kg	40 U	38 U	90 U	39 U	43 U	37 U	39 U	40 U	37 U	38 U
Aroclor-1242	ug/Kg	40 U	38 U	90 U	39 U	43 U	37 U	39 U	40 U	37 U	38 U
Aroclor-1248	ug/Kg	40 U	38 U	90 U	39 U	43 U	37 U	39 U	40 U	37 U	38 U
Aroclor-1254	ug/Kg	49	73	2300	500	43 U	37 U	39 U	40 U	37 U	38 U
Aroclor-1260	ug/Kg	40 U	38 U	150	31 J	43 U	37 U	39 U	40 U	37 U	38 U
METALS											
Aluminum	mg/Kg	11400	11400	10900	17100	13200	9720	9600	13400	9750	14000
Antimony	mg/Kg	0.31 J	1.9 J	7.2 J	1.9 J	0.25 UJ	0.27 UJ	0.25 UJ	0.16 UJ	0.26 UJ	0.25 J
Arsenic	mg/Kg	3.8	5.2	4.7	4.9	5	3.7	4.2	4.9	3.8	5.2
Barium	mg/Kg	96.3	93.3	81	73.6	89	73.6	72	102	94.5	78.7
Beryllium	mg/Kg	0.5 J	0.82 J	0.74 J	0.74 J	0.71 J	0.49 J	0.48 J	0.63 J	0.45 J	0.61 J
Cadmium	mg/Kg	7.8	94.3	27.3	37.3	3.6	0.68 J	0.57 J	0.82	0.4 J	0.7 J
Calcium	mg/Kg	38900 J	81800 J	77700	10900	5600	85400	82800	39100	78800 J	22000 J
Chromium	mg/Kg	27.5	83.3	16.5	32.4	18.1	14.8	14.1	18.5	15.1	20.7
Cobalt	mg/Kg	9.9	9.4 J	13.1	26.5	10.2	8.3 J	8.6 J	9.6	8.2 J	10.1
Copper	mg/Kg	25.7	215	43.8	128	18.6	18	21.2	24.2	19.5	21.2
Iron	mg/Kg	20100	24200	19000	27500	24100	19400	18700	23300	18900	26100
Lead	mg/Kg	18.9 J	366 J	20	20.2	25.7	10	8.9	18.8	15.5 J	22.7 J
Magnesium	mg/Kg	8390	9310	5360	5290	4530	12700	15700	9930	19100	6840
Manganese	mg/Kg	518	495	502	428	490	429	395	419	394	524
Mercury	mg/Kg	0.04 J	0.05 J	0.04 J	0.03 J	0.06 J	0.02 J	0.03 J	0.03 J	0.04 J	0.06 J
Nickel	mg/Kg	25.3	29.9	39	201	27.2	25	24.8	30.9	24	28.4
Potassium	mg/Kg	1640 J	1490 J	1530 J	1370 J	1290 J	1700 J	1990 J	2880 J	2350 J	1430 J
Selenium	mg/Kg	1.1	0.6 J	1.2	1	1.9	0.65 J	0.95 J	1.6	0.54 U	1.2
Silver	mg/Kg	0.1 U	11.9	0.49 J	0.33 J	0.1 U	0.1 U	0.1 U	0.07 U	0.1 U	0.08 U
Sodium	mg/Kg	45.2 J	101 J	46.2 J	66.6 J	30.3 J	129 J	124 J	107 J	115 J	51.5 J
Thallium	mg/Kg	0.37 U	0.44 J	0.98 J	0.59 J	0.56 J	0.7 J	0.41 J	0.56 J	0.38 U	0.48 J
Vanadium	mg/Kg	17.9	19.2	17.9	19.8	22.5	15.4	16.2	21.5	17.5	22.7
Zinc	mg/Kg	95.4	285	93.3	424	112	53.8	79.3	281	51.1	78.8
Cyanide	mg/Kg	0.48 U	0.54 U	0.63 U	0.48 U	0.58 U	0.45 U	0.46 U	0.5 U	0.52 U	0.48 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	82.2	86.6	72.9	84.8	76.4	89.1	84.8	83.4	88.7	87.1

SENECA ARMY DEPOT
SEAD-12 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12
DEPTH (FEET)	7	4	4	7	4	2.5	2.5	2.5	2.5	0-0.2	4-6
SAMPLE DATE	06/23/94	06/23/94	06/23/94	06/24/94	06/25/94	06/24/94	06/25/94	06/25/94	06/25/94	06/10/94	06/10/94
ES ID	TP12A-6-2	TP12A-7-1	TP12A-7-1RE	TP12A-8-1	TP12B-1	TP12B-2-1	TP12B-3	TP12B-53	TP12B-53	MW12A-1-00	MW12A-1-03
LAB ID	225541	225543	225543	225533	225582	225550	225551	225553	225553	223886	223887
SDG NUMBER	45048	45048	45048	45048	45058	45058	45058	45058	45058	44725	44725
COMPOUND	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
VOLATILE ORGANICS											
Chloromethane	ug/Kg	11 U	15 UJ	15 UJ	11 U	11 U	12 U	11 U	11 U	13 U	11 U
Bromomethane	ug/Kg	11 U	15 UJ	15 UJ	11 U	11 U	12 U	11 U	11 U	13 U	11 U
Vinyl Chloride	ug/Kg	11 U	15 UJ	15 UJ	11 U	11 U	12 U	11 U	11 U	13 U	11 U
Chloroethane	ug/Kg	11 U	15 UJ	15 UJ	11 U	11 U	12 U	11 U	11 U	13 U	11 U
Methylene Chloride	ug/Kg	11 U	15 UJ	15 UJ	11 U	1 J	12 U	11 U	11 U	13 U	11 U
Acetone	ug/Kg	11 U	15 UJ	15 UJ	11 U	11 U	12 U	11 U	11 U	13 U	11 U
Carbon Disulfide	ug/Kg	11 U	15 UJ	15 UJ	11 U	11 U	12 U	11 U	11 U	13 U	11 U
1,1-Dichloroethane	ug/Kg	11 U	15 UJ	15 UJ	11 U	11 U	12 U	11 U	11 U	13 U	11 U
1,1-Dichloroethane	ug/Kg	11 U	15 UJ	15 UJ	11 U	11 U	12 U	11 U	11 U	13 U	11 U
1,2-Dichloroethane (total)	ug/Kg	11 U	15 UJ	15 UJ	11 U	11 U	12 U	11 U	11 U	13 U	11 U
Chloroform	ug/Kg	11 U	15 UJ	15 UJ	11 U	11 U	12 U	11 U	11 U	13 U	11 U
1,2-Dichloroethane	ug/Kg	11 U	15 UJ	15 UJ	11 U	11 U	12 U	11 U	11 U	13 U	11 U
2-Butanone	ug/Kg	11 U	15 UJ	15 UJ	11 U	11 U	12 U	11 U	11 U	13 U	11 U
1,1,1-Trichloroethane	ug/Kg	11 U	15 UJ	15 UJ	11 U	11 U	12 U	11 U	11 U	13 U	11 U
Carbon Tetrachloride	ug/Kg	11 U	15 UJ	15 UJ	11 U	11 U	12 U	11 U	11 U	13 U	11 U
Bromodichloromethane	ug/Kg	11 U	15 UJ	15 UJ	11 U	11 U	12 U	11 U	11 U	13 U	11 U
1,2-Dichloropropane	ug/Kg	11 U	15 UJ	15 UJ	11 U	11 U	12 U	11 U	11 U	13 U	11 U
cis-1,3-Dichloropropane	ug/Kg	11 U	15 UJ	15 UJ	11 U	11 U	12 U	11 U	11 U	13 U	11 U
Trichloroethene	ug/Kg	11 U	15 UJ	15 UJ	11 U	11 U	12 U	11 U	11 U	13 U	11 U
Dibromochloromethane	ug/Kg	11 U	15 UJ	15 UJ	11 U	11 U	12 U	11 U	11 U	13 U	11 U
1,1,2-Trichloroethane	ug/Kg	11 U	15 UJ	15 UJ	11 U	11 U	12 U	11 U	11 U	13 U	11 U
Benzene	ug/Kg	11 U	15 UJ	15 UJ	11 U	11 U	12 U	11 U	11 U	13 U	11 U
trans-1,3-Dichloropropane	ug/Kg	11 U	15 UJ	15 UJ	11 U	11 U	12 U	11 U	11 U	13 U	11 U
Bromoform	ug/Kg	11 U	15 UJ	15 UJ	11 U	11 U	12 U	11 U	11 U	13 U	11 U
4-Methyl-2-Pentanone	ug/Kg	11 U	15 UJ	15 UJ	11 U	11 U	12 U	11 U	11 U	13 U	11 U
2-Hexanone	ug/Kg	11 U	15 UJ	15 UJ	11 U	11 U	12 U	11 U	11 U	13 U	11 U
Tetrachloroethene	ug/Kg	11 U	15 UJ	15 UJ	11 U	11 U	12 U	11 U	11 U	13 U	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	11 U	15 UJ	15 UJ	11 U	11 U	12 U	11 U	11 U	13 U	11 U
Toluene	ug/Kg	11 U	15 UJ	15 UJ	11 U	11 U	12 U	11 U	11 U	13 U	11 U
Chlorobenzene	ug/Kg	11 U	15 UJ	15 UJ	11 U	11 U	12 U	11 U	11 U	13 U	11 U
Ethylbenzene	ug/Kg	11 U	15 UJ	15 UJ	11 U	11 U	12 U	11 U	11 U	13 U	11 U
Styrene	ug/Kg	11 U	15 UJ	15 UJ	11 U	11 U	12 U	11 U	11 U	13 U	11 U
Xylene (total)	ug/Kg	11 U	15 UJ	15 UJ	11 U	11 U	12 U	11 U	11 U	13 U	11 U
HERBICIDES											
2,4-D	ug/Kg										
2,4-DB	ug/Kg										
2,4,5-T	ug/Kg										
2,4,5-TP (Silvex)	ug/Kg										
Dalapon	ug/Kg										
Dicamba	ug/Kg										
Dichloroprop	ug/Kg										
Dinoseb	ug/Kg										
MCPA	ug/Kg										
MCPP	ug/Kg										
NITROAROMATICS											
HMX	ug/Kg										
RDX	ug/Kg										
1,3,5-Trinitrobenzene	ug/Kg										
1,3-Dinitrobenzene	ug/Kg										
Tetryl	ug/Kg										
2,4,6-Trinitrotoluene	ug/Kg										
4-amino-2,6-Dinitrotoluene	ug/Kg										
2-amino-4,6-Dinitrotoluene	ug/Kg										
2,6-Dinitrotoluene	ug/Kg										
2,4-Dinitrotoluene	ug/Kg										

SENECA ARMY DEPOT
SEAD-12 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-12 7 TP12A-6--2 225541 45048	SOIL SEAD-12 4 TP12A-7-1 225543 45048	SOIL SEAD-12 4 06/23/94 TP12A-7-1RE 225543 45048	SOIL SEAD-12 7 06/23/94 TP12A-8-1 225533 45048	SOIL SEAD-12 4 06/25/94 TP12B-1 225582 45058	SOIL SEAD-12 2.5 06/24/94 TP12B-2-1 225550 45058	SOIL SEAD-12 2.5 06/25/94 TP12B-3 225551 45058	SOIL SEAD-12 2.5 06/25/94 TP12B-53 MW12A-1-00 223886 44725	SOIL SEAD-12 0-0.2 MW12A-1-00 223887 44725	SOIL SEAD-12 4-6 MW12A-1-03 223887 44725
COMPOUND UNITS								TP12B-3DUP		
SEMIVOLATILE ORGANICS										
Phend	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
bis(2-Chloroethyl) ether	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
2-Chlorophend	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
1,3-Dichlorobenzene	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
1,4-Dichlorobenzene	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
1,2-Dichlorobenzene	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
2-Methylphenol	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
4-Methylphenol	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
N-Nitroso-di-n-propylamine	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
Hexachloroethane	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
Nitrobenzene	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
Isophorone	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
2-Nitrophenol	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
2,4-Dimethylphenol	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
bis(2-Chloroethoxy) methane	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
2,4-Dichlorophenol	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
1,2,4-Trichlorobenzene	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
Naphthalene	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
4-Chloroaniline	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
Hexachlorobutadiene	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
4-Chloro-3-methylphenol	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
2-Methylnaphthalene	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
Hexachlorocyclopentadiene	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
2,4,6-Trichlorophenol	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
2,4,5-Trichlorophenol	ug/Kg	900 U	1300 U	890 U	880 U	930 U	900 U	900 U	1000 U	890 U
2-Chloronaphthalene	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
2-Nitroaniline	ug/Kg	900 U	1300 U	890 U	880 U	930 U	900 U	900 U	1000 U	890 U
Dimethylphthalate	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
Acenaphthylene	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
2,6-Dinitrotoluene	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
3-Nitroaniline	ug/Kg	900 U	1300 U	890 U	880 U	930 U	900 U	900 U	1000 U	890 U
Acenaphthene	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
2,4-Dinitrophenol	ug/Kg	900 U	1300 U	890 U	880 U	930 U	900 U	900 U	1000 U	890 U
4-Nitrophenol	ug/Kg	900 U	1300 U	890 U	880 U	930 U	900 U	900 U	1000 U	890 U
Dibenzofuran	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
2,4-Dinitrotoluene	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
Diethylphthalate	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
4-Chlorophenyl-phenylether	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
Fluorene	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
4-Nitroaniline	ug/Kg	900 U	1300 U	890 U	880 U	930 U	900 U	900 U	1000 U	890 U
4,6-Dinitro-2-methylphenol	ug/Kg	900 U	1300 U	890 U	880 U	930 U	900 U	900 U	1000 U	890 U
N-Nitrosodiphenylamine	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
4-Bromophenyl-phenylether	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
Hexachlorobenzene	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
Pentachlorophend	ug/Kg	900 U	1300 U	890 U	880 U	930 U	900 U	900 U	1000 U	890 U
Phenanthrene	ug/Kg	370 U	120 J	370 U	360 U	380 U	370 U	370 U	430 U	370 U
Anthracene	ug/Kg	370 U	43 J	370 U	360 U	380 U	370 U	370 U	430 U	370 U
Carbazole	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
Di-n-butylphthalate	ug/Kg	32 J	50 J	52 J	44 J	380 U	370 U	370 U	430 U	370 U
Fluoranthene	ug/Kg	370 U	320 J	370 U	360 U	380 U	370 U	370 U	430 U	370 U
Pyrene	ug/Kg	370 U	230 J	370 U	360 U	380 U	370 U	370 U	430 U	370 U
Butylbenzylphthalate	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
3,3'-Dichlorobenzidine	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
Benzo(a)anthracene	ug/Kg	370 U	150 J	370 U	360 U	380 U	370 U	370 U	430 U	370 U
Chrysene	ug/Kg	370 U	210 J	370 U	360 U	380 U	370 U	370 U	430 U	370 U
bis(2-Ethylhexyl)phthalate	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	73 J
Di-n-octylphthalate	ug/Kg	370 U	540 U	370 U	360 U	380 U	370 U	370 U	430 U	370 U
Benzo(b)fluoranthene	ug/Kg	370 U	320 J	370 U	360 U	380 U	370 U	370 U	430 U	370 U
Benzo(k)fluoranthene	ug/Kg	370 U	540 UJ	370 U	360 U	380 U	370 U	370 U	430 U	370 U
Benzo(a)pyrene	ug/Kg	370 U	180 J	370 U	360 U	380 U	370 U	370 U	430 U	370 U
Indeno(1,2,3-cd)pyrene	ug/Kg	370 U	140 J	370 U	360 U	380 U	370 U	370 U	430 U	370 U
Dibenz(a,h)anthracene	ug/Kg	370 U	99 J	370 U	360 U	380 U	370 U	370 U	430 U	370 U
Benzo(g,h,i)perylene	ug/Kg	370 U	98 J	370 U	360 U	380 U	370 U	370 U	430 U	370 U

SENECA ARMY DEPOT
SEAD-12 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-12 7 06/23/94 TP12A-6-2 225541 45048	SOIL SEAD-12 4 06/23/94 TP12A-7-1 225543 45048	SOIL SEAD-12 4 06/23/94 TP12A-7-1RE 225543 45048	SOIL SEAD-12 7 06/24/94 TP12A-8-1 225533 45048	SOIL SEAD-12 4 06/25/94 TP12B-1 225582 45058	SOIL SEAD-12 2.5 06/24/94 TP12B-2-1 225550 45058	SOIL SEAD-12 2.5 06/25/94 TP12B-3 225551 45058	SOIL SEAD-12 2.5 06/25/94 TP12B-53 225553 45058 TP12B-3DUP	SOIL SEAD-12 0-0.2 06/10/94 MW12A-1-00 223886 44725	SOIL SEAD-12 4-6 06/10/94 MW12A-1-03 223887 44725
COMPOUND UNITS										
PESTICIDES/PCB										
alpha-BHC ug/Kg	1.9 U	2.8 U		1.9 U	1.9 UJ	2 U	1.9 U	1.9 U	2.2 U	1.9 U
beta-BHC ug/Kg	1.9 U	2.8 U		1.9 U	1.9 UJ	2 U	1.9 U	1.9 U	2.2 U	1.9 U
delta-BHC ug/Kg	1.9 U	2.8 U		1.9 U	1.9 UJ	2 U	1.9 U	1.9 U	2.2 U	1.9 U
gamma-BHC (Lindane) ug/Kg	1.9 U	2.8 U		1.9 U	1.9 UJ	2 U	1.9 U	1.9 U	2.2 U	1.9 U
Heptachlor ug/Kg	1.9 U	2.8 U		1.9 U	1.9 UJ	2 U	1.9 U	1.9 U	2.2 U	1.9 U
Aldrin ug/Kg	1.9 U	2.8 U		1.9 U	1.9 UJ	2 U	1.9 U	1.9 U	2.2 U	1.9 U
Heptachlor epoxide ug/Kg	1.9 U	2.8 U		1.9 U	1.9 UJ	2 U	1.9 U	1.9 U	2.2 U	1.9 U
Endosulfan I ug/Kg	1.9 U	2.8 U		1.9 U	1.9 UJ	2 U	1.9 U	1.9 U	2.2 U	1.9 U
Dieldrin ug/Kg	3.7 U	5.4 U		3.7 U	3.6 UJ	3.8 U	3.7 U	3.7 U	4.3 U	3.7 U
4,4'-DDE ug/Kg	3.7 U	2.3 J		3.7 U	3.6 UJ	3.8 U	3.7 U	3.7 U	4.3 U	3.7 U
Endrin ug/Kg	3.7 U	5.4 U		3.7 U	3.6 UJ	3.8 U	3.7 U	3.7 U	4.3 U	3.7 U
Endosulfan II ug/Kg	3.7 U	5.4 U		3.7 U	3.6 UJ	3.8 U	3.7 U	3.7 U	4.3 U	3.7 U
4,4'-DDD ug/Kg	3.7 U	5.4 U		3.7 U	3.6 UJ	3.8 U	3.7 U	3.7 U	4.3 U	3.7 U
Endosulfan sulfate ug/Kg	3.7 U	5.4 U		3.7 U	3.8 UJ	3.8 U	3.7 U	3.7 U	4.3 U	3.7 U
4,4'-DDT ug/Kg	3.7 U	5.4 U		3.7 U	3.6 UJ	3.8 U	3.7 U	3.7 U	4.3 U	3.7 U
Methoxychlor ug/Kg	19 U	28 U		19 U	19 UJ	20 U	19 U	19 U	22 U	19 U
Endrin ketone ug/Kg	3.7 U	5.4 U		3.7 U	3.6 UJ	3.8 U	3.7 U	3.7 U	4.3 U	3.7 U
Endrin aldehyde ug/Kg	3.7 U	5.4 U		3.7 U	3.6 UJ	3.8 U	3.7 U	3.7 U	4.3 U	3.7 U
alpha-Chlordane ug/Kg	1.9 U	2.6 J		1.9 U	1.9 UJ	2 U	1.9 U	1.9 U	2.2 U	1.9 U
gamma-Chlordane ug/Kg	1.9 U	2.3 J		1.9 U	1.9 UJ	2 U	1.9 U	1.9 U	2.2 U	1.9 U
Toxaphene ug/Kg	190 U	280 U		190 U	190 UJ	200 U	190 U	190 U	220 U	190 U
Aroclor-1016 ug/Kg	37 U	54 U		37 U	36 UJ	38 U	37 U	37 U	43 U	37 U
Aroclor-1221 ug/Kg	75 U	110 U		74 U	74 UJ	78 U	75 U	75 U	87 U	74 U
Aroclor-1232 ug/Kg	37 U	54 U		37 U	36 UJ	38 U	37 U	37 U	43 U	37 U
Aroclor-1242 ug/Kg	37 U	54 U		37 U	36 UJ	38 U	37 U	37 U	43 U	37 U
Aroclor-1248 ug/Kg	37 U	54 U		37 U	36 UJ	38 U	37 U	37 U	43 U	37 U
Aroclor-1254 ug/Kg	37 U	54 U		37 U	36 UJ	38 U	37 U	37 U	43 U	37 U
Aroclor-1260 ug/Kg	37 U	54 U		37 U	36 UJ	38 U	37 U	37 U	43 U	37 U
METALS										
Aluminum mg/Kg	8460	18600		6610	7400	10300	6850	6120	18700	11000
Antimony mg/Kg	0.28 J	0.39 J		0.26 UJ	0.23 UJ	0.24 UJ	0.26 UJ	0.22 UJ	0.22 UJ	0.24 UJ
Arsenic mg/Kg	2.9	7.7		3.1	4.4 J	4.6 J	3.3 J	2.8 J	5.2	3.5
Barium mg/Kg	78.2	135		67.4	78.3	90.5	36.5 J	32.5 J	125	82.8
Beryllium mg/Kg	0.4 J	0.83 J		0.31 J	0.37 J	0.52 J	0.26 J	0.24 J	0.8 J	0.46 J
Cadmium mg/Kg	0.35 J	1 J		0.5 J	0.36 J	0.43 J	0.18 J	0.17 J	0.86	0.52 J
Calcium mg/Kg	82000 J	25400 J		86700 J	85300	76400	44100	45500	3370	71200
Chromium mg/Kg	14	25		10.8	11.4	15.9	9.1	8	23.1	15.3
Cobalt mg/Kg	6.8 J	15.7		7.1 J	7.6 J	9.7	4.2 J	4.3 J	10.9	10.1
Copper mg/Kg	16.4	38.4		17.7	22.1	21.9	13.8	12.9	19.1	20.6
Iron mg/Kg	17100	34500		14400	15600	20100	11700	11000	23500	17400
Lead mg/Kg	431 J	49 J		12.3 J	7.9	10.6	4.8	4.3	21.6	7.6
Magnesium mg/Kg	11600	10800		36100	22800	16900	15800	18300	3880	19200
Manganese mg/Kg	358	857		326	340	383	316	337	939	414
Mercury mg/Kg	0.03 J	0.11		0.02 J	0.03 J	0.02 J	0.03 J	0.03 J	0.06 J	0.02 J
Nickel mg/Kg	22	39.4		18.9	19.9	29	9.2	8.7	25.7	23.7
Potassium mg/Kg	1700 J	3670 J		1480 J	1940 J	2330 J	2150 J	1840 J	2660 J	3460 J
Selenium mg/Kg	0.48 U	1.2 J		0.54 U	0.48 U	0.5 U	0.54 U	0.45 U	1.2	0.5 U
Silver mg/Kg	0.09 U	0.13 U		0.1 U	0.09 U	0.09 U	0.1 U	0.08 U	0.09 U	0.09 U
Sodium mg/Kg	95 J	26.5 U		112 J	252 J	233 J	157 J	144 J	16.9 U	79.9 J
Thallium mg/Kg	0.34 U	0.98 J		0.38 U	0.39 J	0.79 J	0.46 J	0.32 U	0.32 U	0.35 U
Vanadium mg/Kg	14.1	36.4		11	18.5	18.5	15.4	13.5	33.1	21.7
Zinc mg/Kg	53.8	155		42.8	40.7 J	51.7 J	28.9 J	26 J	77.8	41.4
Cyanide mg/Kg	0.48 U	0.8 U		0.49 U	0.53 UJ	0.53 UJ	0.54 UJ	0.54 UJ	0.6 U	0.53 U
OTHER ANALYSES										
Nitrate/Nitrite-Nitrogen mg/Kg										
Total Petroleum Hydrocarbons mg/Kg										
Total Solids %W/W	89.1	81.4		89.8	91	86	88.8	88.7	76.8	89.6

SENECA ARMY DEPOT
SEAD-12 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12
DEPTH (FEET)	8-9.5	0-0.2	4-6	4-6	12-13.5	18-21	
SAMPLE DATE	06/10/94	06/13/94	06/13/94	06/13/94	06/13/94	06/29/94	
ES ID	MW12A-1-05	MW12B-1-00	MW12B-1-03	MW12B-1-20	MW12B-1-07	SB12B-1	
LAB ID	223888	224233	224234	224236	224235	225902	
SDG NUMBER	44725	44799	44799	44799	44799	45062	
COMPOUND	UNITS						
VOLATILE ORGANICS							
Chloromethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Bromomethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Vinyl Chloride	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Chloroethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Methylene Chloride	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Acetone	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Carbon Disulfide	ug/Kg	11 U	11 U	11 U	11 U	11 U	1 J
1,1-Dichloroethene	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
1,1-Dichloroethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
1,2-Dichloroethene (total)	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Chloroform	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
1,2-Dichloroethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
2-Butanone	ug/Kg	11 U	11 U	11 U	11 U	11 U	3 J
1,1,1-Trichloroethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Carbon Tetrachloride	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Bromodichloromethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
1,2-Dichloropropane	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
cis-1,3-Dichloropropene	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Trichloroethene	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Dibromochloromethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
1,1,2-Trichloroethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Benzene	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
trans-1,3-Dichloropropene	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Bromofom	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
4-Methyl-2-Pentanone	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
2-Hexanone	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Tetrachloroethene	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Toluene	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Chlorobenzene	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Ethylbenzene	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Styrene	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Xylene (total)	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
HERBICIDES							
2,4-D	ug/Kg						
2,4-DB	ug/Kg						
2,4,5-T	ug/Kg						
2,4,5-TP (Silvex)	ug/Kg						
Dalapon	ug/Kg						
Dicamba	ug/Kg						
Dichloroprop	ug/Kg						
Dinoseb	ug/Kg						
MCPA	ug/Kg						
MCPP	ug/Kg						
NITROAROMATICS							
HMX	ug/Kg						
RDX	ug/Kg						
1,3,5-Trinitrobenzene	ug/Kg						
1,3-Dinitrobenzene	ug/Kg						
Tetryl	ug/Kg						
2,4,6-Trinitrotoluene	ug/Kg						
4-amino-2,6-Dinitrotoluene	ug/Kg						
2-amino-4,6-Dinitrotoluene	ug/Kg						
2,6-Dinitrotoluene	ug/Kg						
2,4-Dinitrotoluene	ug/Kg						

SENECA ARMY DEPOT
SEAD-12 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-12 8-9.5 06/10/94 MW12A-1-05 223888 44725	SOIL SEAD-12 0-0.2 06/13/94 MW12B-1-00 224233 44799	SOIL SEAD-12 4-6 06/13/94 MW12B-1-03 224234 44799	SOIL SEAD-12 4-6 06/13/94 MW12B-1-20 224238 44799	SOIL SEAD-12 12-13.5 06/13/94 MW12B-1-07 224235 44799	SOIL SEAD-12 18-21 06/29/94 SB12B-1 225902 45062
COMPOUND	UNITS					
SEMIVOLATILE ORGANICS						
Phend	ug/Kg	350 U	360 U	360 U	360 U	360 U
bis(2-Chloroethyl) ether	ug/Kg	350 U	360 U	360 U	360 U	360 U
2-Chlorophend	ug/Kg	350 U	360 U	360 U	360 U	360 U
1,3-Dichlorobenzene	ug/Kg	350 U	360 U	360 U	360 U	360 U
1,4-Dichlorobenzene	ug/Kg	350 U	360 U	360 U	360 U	360 U
1,2-Dichlorobenzene	ug/Kg	350 U	360 U	360 U	360 U	360 U
2-Methylphenol	ug/Kg	350 U	360 U	360 U	360 U	360 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	350 U	360 U	360 U	360 U	360 U
4-Methylphenol	ug/Kg	350 U	360 U	360 U	360 U	360 U
N-Nitroso-di-n-propylamine	ug/Kg	350 U	360 U	360 U	360 U	360 U
Hexachloroethane	ug/Kg	350 U	360 U	360 U	360 U	360 U
Nitrobenzene	ug/Kg	350 U	360 U	360 U	360 U	360 U
Isophorone	ug/Kg	350 U	360 U	360 U	360 U	360 U
2-Nitrophenol	ug/Kg	350 U	360 U	360 U	360 U	360 U
2,4-Dimethylphenol	ug/Kg	350 U	360 U	360 U	360 U	360 U
bis(2-Chloroethoxy) methane	ug/Kg	350 U	360 U	360 U	360 U	360 U
2,4-Dichlorophenol	ug/Kg	350 U	360 U	360 U	360 U	360 U
1,2,4-Trichlorobenzene	ug/Kg	350 U	360 U	360 U	360 U	360 U
Naphthalene	ug/Kg	350 U	360 U	360 U	360 U	360 U
4-Chloroaniline	ug/Kg	350 U	360 U	360 U	360 U	360 U
Hexachlorobutadiene	ug/Kg	350 U	360 U	360 U	360 U	360 U
4-Chloro-3-methylphenol	ug/Kg	350 U	360 U	360 U	360 U	360 U
2-Methylnaphthalene	ug/Kg	350 U	360 U	360 U	360 U	360 U
Hexachlorocyclopentadiene	ug/Kg	350 U	360 U	360 U	360 U	360 U
2,4,6-Trichlorophenol	ug/Kg	350 U	360 U	360 U	360 U	360 U
2,4,5-Trichlorophenol	ug/Kg	860 U	880 U	870 U	880 U	910 U
2-Chloronaphthalene	ug/Kg	350 U	360 U	360 U	360 U	360 U
2-Nitroaniline	ug/Kg	860 U	880 U	870 U	880 U	910 U
Dimethylphthalate	ug/Kg	350 U	360 U	360 U	360 U	360 U
Acephenylene	ug/Kg	350 U	360 U	360 U	360 U	360 U
2,6-Dinitrotoluene	ug/Kg	350 U	360 U	360 U	360 U	360 U
3-Nitroaniline	ug/Kg	860 U	880 U	870 U	880 U	910 U
Acephenylene	ug/Kg	350 U	360 U	360 U	360 U	360 U
2,4-Dinitrophenol	ug/Kg	860 U	880 U	870 U	880 U	910 U
4-Nitrophenol	ug/Kg	860 U	880 U	870 U	880 U	910 U
Dibenzofuran	ug/Kg	350 U	360 U	360 U	360 U	360 U
2,4-Dinitrotoluene	ug/Kg	350 U	360 U	360 U	360 U	360 U
Diethylphthalate	ug/Kg	350 U	360 U	360 U	360 U	360 U
4-Chlorophenyl-phenylether	ug/Kg	350 U	360 U	360 U	360 U	360 U
Fluorene	ug/Kg	350 U	360 U	360 U	360 U	360 U
4-Nitroaniline	ug/Kg	860 U	880 U	870 U	880 U	910 U
4,8-Dinitro-2-methylphenol	ug/Kg	860 U	880 U	870 U	880 U	910 U
N-Nitrosodiphenylamine	ug/Kg	350 U	360 U	360 U	360 U	360 U
4-Bromophenyl-phenylether	ug/Kg	350 U	360 U	360 U	360 U	360 U
Hexachlorobenzene	ug/Kg	350 U	360 U	360 U	360 U	360 U
Pentachlorophenol	ug/Kg	860 U	880 U	870 U	880 U	910 U
Phenanthrene	ug/Kg	350 U	34 J	360 U	360 U	360 U
Anthracene	ug/Kg	350 U	360 U	360 U	360 U	360 U
Carbazole	ug/Kg	350 U	360 U	360 U	360 U	360 U
Di-n-butylphthalate	ug/Kg	350 U	360 U	360 U	360 U	360 U
Fluoranthene	ug/Kg	350 U	64 J	360 U	360 U	360 U
Pyrene	ug/Kg	350 U	51 J	360 U	360 U	360 U
Butylbenzylphthalate	ug/Kg	350 U	360 U	360 U	360 U	360 U
3,3'-Dichlorobenzidine	ug/Kg	350 U	360 U	360 U	360 U	360 U
Benzo(a)anthracene	ug/Kg	350 U	26 J	360 U	360 U	360 U
Chrysene	ug/Kg	350 U	32 J	360 U	360 U	360 U
bis(2-Ethylhexyl)phthalate	ug/Kg	350 U	360 U	360 U	45 J	83 J
Di-n-octylphthalate	ug/Kg	350 U	360 U	360 U	360 U	360 U
Benzo(b)fluoranthene	ug/Kg	350 U	34 J	360 U	360 U	360 U
Benzo(k)fluoranthene	ug/Kg	350 U	20 J	360 U	360 U	360 U
Benzo(a)pyrene	ug/Kg	350 U	20 J	360 U	360 U	360 U
Indeno(1,2,3-cd)pyrene	ug/Kg	350 U	360 U	360 U	360 U	360 U
Dibenz(a,h)anthracene	ug/Kg	350 U	360 U	360 U	360 U	360 U
Benzo(g,h,i)perylene	ug/Kg	350 U	360 U	360 U	360 U	360 U

SENECA ARMY DEPOT
SEAD-12 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-12 8-9.5 MW12A-1-05 223888 44725	SOIL SEAD-12 0-0.2 06/13/94 MW12B-1-00 224233 44799	SOIL SEAD-12 4-8 06/13/94 MW12B-1-03 224234 44799	SOIL SEAD-12 4-6 06/13/94 MW12B-1-20 224236 44799	SOIL SEAD-12 12-13.5 MW12B-1-07 224235 44799	SOIL SEAD-12 18-21 SB12B-1 225902 45062
COMPOUND UNITS						
PESTICIDES/PCB						
alpha-BHC	ug/Kg 1.8 U	1.9 U	1.9 U	1.8 U	1.9 U	2 U
beta-BHC	ug/Kg 1.8 U	1.9 U	1.9 U	1.8 U	1.9 U	2 U
delta-BHC	ug/Kg 1.8 U	1.9 U	1.9 U	1.8 U	1.9 U	2 U
gamma-BHC (Lindane)	ug/Kg 1.8 U	1.9 U	1.9 U	1.8 U	1.9 U	2 U
Heptachlor	ug/Kg 1.8 U	1.9 U	1.9 U	1.8 U	1.9 U	2 U
Aldrin	ug/Kg 1.8 U	1.9 U	1.9 U	1.8 U	1.9 U	2 U
Heptachlor epoxide	ug/Kg 1.8 U	1.9 U	1.9 U	1.8 U	1.9 U	2 U
Endosulfan I	ug/Kg 1.8 U	1.9 U	1.9 U	1.8 U	1.9 U	2 U
Dieldrin	ug/Kg 3.5 U	3.6 U	3.6 U	3.6 U	3.6 U	3.8 U
4,4'-DDE	ug/Kg 3.5 U	2 J	3.6 U	3.6 U	3.6 U	3.8 U
Endrin	ug/Kg 3.5 U	3.6 U	3.6 U	3.6 U	3.6 U	3.8 U
Endosulfan II	ug/Kg 3.5 U	3.6 U	3.6 U	3.6 U	3.6 U	3.8 U
4,4'-DDD	ug/Kg 3.5 U	3.6 U	3.6 U	3.6 U	3.6 U	3.8 U
Endosulfan sulfate	ug/Kg 3.5 U	3.6 U	3.6 U	3.6 U	3.6 U	3.8 U
4,4'-DDT	ug/Kg 3.5 U	3.6 U	3.6 U	3.6 U	3.6 U	3.8 U
Methoxychlor	ug/Kg 18 U	19 U	19 U	18 U	19 U	20 U
Endrin ketone	ug/Kg 3.5 U	3.6 U	3.6 U	3.6 U	3.6 U	3.8 U
Endrin aldehyde	ug/Kg 3.5 U	3.6 U	3.6 U	3.6 U	3.6 U	3.8 U
alpha-Chlordane	ug/Kg 1.6 U	1.9 U	1.9 U	1.8 U	1.9 U	2 U
gamma-Chlordane	ug/Kg 1.8 U	1.9 U	1.9 U	1.8 U	1.9 U	2 U
Toxaphene	ug/Kg 180 U	190 U	190 U	180 U	190 U	200 U
Aroclor-1016	ug/Kg 35 U	36 U	36 U	36 U	36 U	38 U
Aroclor-1221	ug/Kg 72 U	74 U	74 U	73 U	74 U	77 U
Aroclor-1232	ug/Kg 35 U	36 U	36 U	36 U	36 U	38 U
Aroclor-1242	ug/Kg 35 U	17 J	16 J	36 U	36 U	38 U
Aroclor-1248	ug/Kg 35 U	36 U	36 U	36 U	36 U	38 U
Aroclor-1254	ug/Kg 35 U	36 U	36 U	36 U	36 U	38 U
Aroclor-1260	ug/Kg 35 U	36 U	36 U	38 U	38 U	38 U
METALS						
Aluminum	mg/Kg 12400	10800	6080	7510	5940	9050 J
Antimony	mg/Kg 0.2 UJ	0.23 UJ	0.2 UJ	0.25 UJ	0.26 UJ	0.26 UJ
Arsenic	mg/Kg 3.6	8.6	4.6	4.6	2.9	1.9 J
Barium	mg/Kg 78.3	102	89.1	88.3	43.8	138 J
Beryllium	mg/Kg 0.58 J	0.53 J	0.4 J	0.38 J	0.27 J	0.44 J
Cadmium	mg/Kg 0.85	0.83 J	0.52 J	0.46 J	0.32 J	0.29 J
Calcium	mg/Kg 70300	45900	74200	79400	51100	83400 J
Chromium	mg/Kg 19.7	18	12.7	12.6	12	13.8 J
Cobalt	mg/Kg 10.8	9.2	8.3	8.6 J	5.2 J	4.6 J
Copper	mg/Kg 29.6	30.4	22.5	20.3	17.3	15.6 J
Iron	mg/Kg 22600	23400	17200	17000	13500	14100 J
Lead	mg/Kg 10.8	17.1	10.3	8.4	7.3	7.5
Magnesium	mg/Kg 12000	11400	16300	16000	8320	12200 J
Manganese	mg/Kg 409	418	369	388	244	366 J
Mercury	mg/Kg 0.03 J	0.04 J	0.5	0.11	0.03 J	0.03 J
Nickel	mg/Kg 35.5	28	23.5	23.6	19	18.2 J
Potassium	mg/Kg 2910 J	1870 J	1660 J	1390 J	1040 J	1650 J
Selenium	mg/Kg 0.41 U	1.3	0.72 J	0.54 J	2.1	0.53 U
Silver	mg/Kg 0.08 U	0.09 U	0.08 U	0.1 U	0.1 U	0.1 U
Sodium	mg/Kg 138 J	76.2 J	135 J	120 J	77.3 J	115 J
Thallium	mg/Kg 0.29 U	0.41 J	0.37 J	0.64 J	0.39 J	0.37 U
Vanadium	mg/Kg 20.2	20.9	13.8	13.2	11.5	13.5 J
Zinc	mg/Kg 82.1	62.7	50.5	46.9	38.2	46.7 J
Cyanide	mg/Kg 0.43 U	0.5 U	0.47 U	0.46 U	0.47 U	0.41 U
OTHER ANALYSES						
Nitrate/Nitrite-Nitrogen	mg/Kg					
Total Petroleum Hydrocarbons	mg/Kg					
Total Solids	%W/W 93	91.4	90.6	92.3	90.9	87.1

SENECA ARMY DEPOT
SEAD-12 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-12 07/20/94 MW12A-1 227608 45448	WATER SEAD-12 07/20/94 MW12A-2 227609 45448	WATER SEAD-12 07/20/94 MW12A-3 227610 45448	WATER SEAD-12 07/19/94 MW12B-1 227442 45332	WATER SEAD-12 07/19/94 MW12B-2 227443 45332	WATER SEAD-12 07/19/94 MW12B-3 227444 45332
VOLATILE ORGANICS							
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	9 J	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
HERBICIDES							
2,4-D	ug/L						
2,4-DB	ug/L						
2,4,5-T	ug/L						
2,4,5-TP (Silvex)	ug/L						
Dalapon	ug/L						
Dicamba	ug/L						
Dichloroprop	ug/L						
Dinoseb	ug/L						
MCPA	ug/L						
MCPP	ug/L						
NITROAROMATICS							
HMX	ug/L						
RDX	ug/L						
1,3,5-Trinitrobenzene	ug/L						
1,3-Dinitrobenzene	ug/L						
Tetryl	ug/L						
2,4,6-Trinitrotoluene	ug/L						
4-amino-2,6-Dinitrotoluene	ug/L						
2-amino-4,6-Dinitrotoluene	ug/L						
2,6-Dinitrotoluene	ug/L						
2,4-Dinitrotoluene	ug/L						

SENECA ARMY DEPOT
SEAD-12 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER	WATER SEAD-12 07/20/94 MW12A-1 227608 45448	WATER SEAD-12 07/20/94 MW12A-2 227609 45448	WATER SEAD-12 07/20/94 MW12A-3 227610 45448	WATER SEAD-12 07/19/94 MW12B-1 227442 45332	WATER SEAD-12 07/19/94 MW12B-2 227443 45332	WATER SEAD-12 07/19/94 MW12B-3 227444 45332
COMPOUND						
SEMIVOLATILE ORGANICS						
Phenol	ug/L	10 U	10 U	11 U	11 U	10 U
bis(2-Chloroethyl) ether	ug/L	10 U	10 U	11 U	11 U	10 U
2-Chlorophenol	ug/L	10 U	10 U	11 U	11 U	10 U
1,3-Dichlorobenzene	ug/L	10 U	10 U	11 U	11 U	10 U
1,4-Dichlorobenzene	ug/L	10 U	10 U	11 U	11 U	10 U
1,2-Dichlorobenzene	ug/L	10 U	10 U	11 U	11 U	10 U
2-Methylphenol	ug/L	10 U	10 U	11 U	11 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	10 U	11 U	11 U	10 U
4-Methylphenol	ug/L	10 U	10 U	11 U	11 U	10 U
N-Nitroso-dl-n-propylamine	ug/L	10 U	10 U	11 U	11 U	10 U
Hexachloroethane	ug/L	10 U	10 U	11 U	11 U	10 U
Nitrobenzene	ug/L	10 U	10 U	11 U	11 U	10 U
Isophorone	ug/L	10 U	10 U	11 U	11 U	10 U
2-Nitrophenol	ug/L	10 U	10 U	11 U	11 U	10 U
2,4-Dimethylphenol	ug/L	10 U	10 U	11 U	11 U	10 U
bis(2-Chloroethoxy) methane	ug/L	10 U	10 U	11 U	11 U	10 U
2,4-Dichlorophenol	ug/L	10 U	10 U	11 U	11 U	10 U
1,2,4-Trichlorobenzene	ug/L	10 U	10 U	11 U	11 U	10 U
Naphthalene	ug/L	10 U	10 U	11 U	11 U	10 U
4-Chloroaniline	ug/L	10 U	10 U	11 U	11 U	10 U
Hexachlorobutadiene	ug/L	10 U	10 U	11 U	11 U	10 U
4-Chloro-3-methylphenol	ug/L	10 U	10 U	11 U	11 U	10 U
2-Methylnaphthalene	ug/L	10 U	10 U	11 U	11 U	10 U
Hexachlorocyclopentadiene	ug/L	10 U	10 U	11 U	11 U	10 U
2,4,6-Trichlorophenol	ug/L	10 U	10 U	11 U	11 U	10 U
2,4,5-Trichlorophenol	ug/L	26 U	26 U	29 U	28 U	26 U
2-Chloronaphthalene	ug/L	10 U	10 U	11 U	11 U	10 U
2-Nitroaniline	ug/L	26 U	26 U	29 U	28 U	26 U
Dimethylphthalate	ug/L	10 U	10 U	11 U	11 U	10 U
Acenaphthylene	ug/L	10 U	10 U	11 U	11 U	10 U
2,6-Dinitrotoluene	ug/L	10 U	10 U	11 U	11 U	10 U
3-Nitroaniline	ug/L	26 U	26 U	29 U	28 U	26 U
Acenaphthene	ug/L	10 U	10 U	11 U	11 U	10 U
2,4-Dinitrophenol	ug/L	26 U	26 U	29 U	28 U	26 U
4-Nitrophenol	ug/L	26 U	26 U	29 U	28 U	26 U
Dibenzofuran	ug/L	10 U	10 U	11 U	11 U	10 U
2,4-Dinitrotoluene	ug/L	10 U	10 U	11 U	11 U	10 U
Diethylphthalate	ug/L	10 U	10 U	11 U	11 U	10 U
4-Chlorophenyl-phenylether	ug/L	10 U	10 U	11 U	11 U	10 U
Fluorene	ug/L	10 U	10 U	11 U	11 U	10 U
4-Nitroaniline	ug/L	26 U	26 U	29 U	28 U	26 U
4,6-Dinitro-2-methylphenol	ug/L	26 U	26 U	29 U	28 U	26 U
N-Nitrosodiphenylamine	ug/L	10 U	10 U	11 U	11 U	10 U
4-Bromophenyl-phenylether	ug/L	10 U	10 U	11 U	11 U	10 U
Hexachlorobenzene	ug/L	10 U	10 U	11 U	11 U	10 U
Pentachlorophenol	ug/L	26 U	26 U	29 U	28 U	26 U
Phenanthrene	ug/L	10 U	10 U	11 U	11 U	10 U
Anthracene	ug/L	10 U	10 U	11 U	11 U	10 U
Carbazole	ug/L	10 U	10 U	11 U	11 U	10 U
Di-n-butylphthalate	ug/L	10 U	10 U	11 U	11 U	10 U
Fluoranthene	ug/L	10 U	10 U	11 U	11 U	10 U
Pyrene	ug/L	10 U	10 U	11 U	11 U	10 U
Butylbenzylphthalate	ug/L	10 U	10 U	11 U	11 U	10 U
3,3'-Dichlorobenzidine	ug/L	10 U	10 U	11 U	11 U	10 U
Benzo(a)anthracene	ug/L	10 U	10 U	11 U	11 U	10 U
Chrysene	ug/L	10 U	10 U	11 U	11 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	10 U	11 U	11 U	10 U
Di-n-octylphthalate	ug/L	10 U	10 U	11 U	11 U	10 U
Benzo(b)fluoranthene	ug/L	10 U	10 U	11 U	11 U	10 U
Benzo(k)fluoranthene	ug/L	10 U	10 U	11 U	11 U	10 U
Benzo(a)pyrene	ug/L	10 U	10 U	11 U	11 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	10 U	11 U	11 U	10 U
Dibenz(a,h)anthracene	ug/L	10 U	10 U	11 U	11 U	10 U
Benzo(g,h,i)perylene	ug/L	10 U	10 U	11 U	11 U	10 U

SENECA ARMY DEPOT
SEAD-12 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SEAD-12	SEAD-12	SEAD-12	SEAD-12	SEAD-12	SEAD-12
	SAMPLE DATE	07/20/94	07/20/94	07/20/94	07/19/94	07/19/94	07/19/94
	ES ID	MW12A-1	MW12A-2	MW12A-3	MW12B-1	MW12B-2	MW12B-3
	LAB ID	227608	227609	227610	227442	227443	227444
	SDG NUMBER	45448	45448	45448	45332	45332	45332
	UNITS						
PESTICIDES/PCB							
alpha-BHC	ug/L	0.052 U	0.054 U	0.054 U	0.058 U	0.058 U	0.056 U
beta-BHC	ug/L	0.052 U	0.054 U	0.054 U	0.058 U	0.058 U	0.056 U
delta-BHC	ug/L	0.052 U	0.054 U	0.054 U	0.058 U	0.058 U	0.056 U
gamma-BHC (Lindane)	ug/L	0.052 U	0.054 U	0.054 U	0.058 U	0.058 U	0.056 U
Heptachlor	ug/L	0.052 U	0.054 U	0.054 U	0.058 U	0.058 U	0.056 U
Aldrin	ug/L	0.052 U	0.054 U	0.054 U	0.058 U	0.058 U	0.056 U
Heptachlor epoxide	ug/L	0.052 U	0.054 U	0.054 U	0.058 U	0.058 U	0.056 U
Endosulfan I	ug/L	0.052 U	0.054 U	0.054 U	0.058 U	0.058 U	0.056 U
Dieldrin	ug/L	0.1 U	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U
4,4'-DDE	ug/L	0.1 U	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U
Endrin	ug/L	0.1 U	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U
Endosulfan II	ug/L	0.1 U	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U
4,4'-DDD	ug/L	0.1 U	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U
Endosulfan sulfate	ug/L	0.1 U	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U
4,4'-DDT	ug/L	0.1 U	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U
Methoxychlor	ug/L	0.52 U	0.54 U	0.54 U	0.58 U	0.58 U	0.56 U
Endrin ketone	ug/L	0.1 U	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U
Endrin aldehyde	ug/L	0.1 U	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U
alpha-Chlordane	ug/L	0.052 U	0.054 U	0.054 U	0.058 U	0.058 U	0.056 U
gamma-Chlordane	ug/L	0.052 U	0.054 U	0.054 U	0.058 U	0.058 U	0.056 U
Toxaphene	ug/L	5.2 U	5.4 U	5.4 U	5.8 U	5.8 U	5.6 U
Aroclor-1016	ug/L	1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U
Aroclor-1221	ug/L	2.1 U	2.1 U	2.2 U	2.3 U	2.3 U	2.2 U
Aroclor-1232	ug/L	1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U
Aroclor-1242	ug/L	1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U
Aroclor-1248	ug/L	1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U
Aroclor-1254	ug/L	1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U
Aroclor-1260	ug/L	1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U
METALS							
Aluminum	ug/L	5840	2910	1040	4860 J	9880 J	6940 J
Antimony	ug/L	1.3 U	1.3 U	1.3 U	1.4 J	1.3 U	1.3 U
Arsenic	ug/L	2 U	2 U	2 U	3.2 J	3 J	2 U
Barium	ug/L	94.2 J	79.1 J	148 J	102 J	171 J	189 J
Beryllium	ug/L	0.1 U	0.1 U	0.1 U	0.21 J	0.71 J	0.41 J
Cadmium	ug/L	0.2 U	0.2 U	0.2 U	0.2 U	0.26 J	0.27 J
Calcium	ug/L	123000	108000	109000	183000	260000	169000
Chromium	ug/L	9.4 J	4.1 J	1.7 J	9.8 J	18.5	13.5
Cobalt	ug/L	6.2 J	2.4 J	1.1 J	8 J	15.2 J	12 J
Copper	ug/L	11.7 J	4.5 J	1.3 J	16.8 J	25.1	19 J
Iron	ug/L	9830 J	4030 J	2140 J	10500	20700	14700
Lead	ug/L	4.5	2 J	0.89 U	11	18.6	18.8
Magnesium	ug/L	32800	17500	29900	46800	71100	37900
Manganese	ug/L	223	237	77	536	800	522
Mercury	ug/L	0.08 J	0.05 J	0.06 J	0.08 J	0.05 J	0.05 J
Nickel	ug/L	17.3 J	6.9 J	2.6 J	24.4 J	38.8 J	32.5 J
Potassium	ug/L	4180 J	2470 J	4730 J	13000 J	5510 J	2900 J
Selenium	ug/L	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Silver	ug/L	0.5 U	0.7 J	0.5 U	2.7 J	0.59 J	0.62 J
Sodium	ug/L	9020	5120	8770	18500	16400	4510 J
Thallium	ug/L	1.9 U	1.9 U	1.9 U	2.8 J	1.9 U	5 J
Vanadium	ug/L	10 J	4.9 J	2.2 J	9.5 J	18.3 J	12.7 J
Zinc	ug/L	50.3	18.7 J	18.6 J	32.8	55.7	41.1
Cyanide	ug/L	5 UJ	5 UJ	5 UJ	5 U	5 U	5 U
OTHER ANALYSES							
Nitrate/Nitrite - Nitrogen	mg/L						
Total Petroleum Hydrocarbons	mg/L						
pH	Standard Units	7.9	7.4	7.1	5.8	6.9	8.2
Conductivity	umhos/cm	625	500	575	1100	875	1075
Temperature	°C	13.7	11.5	13.2	12.9	14	14.3
Turbidity	NTU	198	114	165	>1000	>1000	>1000

SENECA ARMY DEPOT
SEAD-12 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER
	LOCATION	SEAD-12	SEAD-12	SEAD-12	SEAD-12
	SAMPLE DATE	06/24/94	06/24/94	06/11/94	06/11/94
	ES ID	SW12A-1	SW12A-20	SW12A-2	SW12A-3
	LAB ID	225429	225430	223898	223899
	SDG NUMBER	44745	44745	44745	44745
	UNITS		SW12A-1DUP		
VOLATILE ORGANICS					
Chloromethane	ug/L	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U
1,2-Dichloroethane (total)	ug/L	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U
Trichloroethane	ug/L	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U
Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U	10 U
HERBICIDES					
2,4-D	ug/L				
2,4-DB	ug/L				
2,4,5-T	ug/L				
2,4,5-TP (Sivex)	ug/L				
Dalapon	ug/L				
Dicamba	ug/L				
Dichloroprop	ug/L				
Dinoseb	ug/L				
MCPA	ug/L				
MCPP	ug/L				
NITROAROMATICS					
HMX	ug/L				
RDX	ug/L				
1,3,5-Trinitrobenzene	ug/L				
1,3-Dinitrobenzene	ug/L				
Tetryl	ug/L				
2,4,6-Trinitrotoluene	ug/L				
4-amino-2,6-Dinitrotoluene	ug/L				
2-amino-4,6-Dinitrotoluene	ug/L				
2,6-Dinitrotoluene	ug/L				
2,4-Dinitrotoluene	ug/L				

SENECA ARMY DEPOT
SEAD-12 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER
	LOCATION	SEAD-12	SEAD-12	SEAD-12	SEAD-12
SEMIVOLATILE ORGANICS	SAMPLE DATE	06/24/94	06/24/94	06/11/94	06/11/94
	ES ID	SW12A-1	SW12A-20	SW12A-2	SW12A-3
	LAB ID	225429	225430	223898	223899
	SDG NUMBER	44745	44745	44745	44745
	UNITS		SW12A-1DUP		
Phenol	ug/L	10 U	10 U	10 U	10 U
bis(2-Chloroethyl) ether	ug/L	10 U	10 U	10 U	10 U
2-Chlorophenol	ug/L	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	ug/L	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	ug/L	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	ug/L	10 U	10 U	10 U	10 U
2-Methylphenol	ug/L	10 U	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	10 U	10 U	10 U
4-Methylphenol	ug/L	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	ug/L	10 U	10 U	10 U	10 U
Hexachloroethane	ug/L	10 U	10 U	10 U	10 U
Nitrobenzene	ug/L	10 U	10 U	10 U	10 U
Isophorone	ug/L	10 U	10 U	10 U	10 U
2-Nitrophenol	ug/L	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	ug/L	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy) methane	ug/L	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	ug/L	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	ug/L	10 U	10 U	10 U	10 U
Naphthalene	ug/L	10 U	10 U	10 U	10 U
4-Chloroaniline	ug/L	10 U	10 U	10 U	10 U
Hexachlorobutadiene	ug/L	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L	10 U	10 U	10 U	10 U
2-Methylnaphthalene	ug/L	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	ug/L	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	ug/L	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	ug/L	25 U	25 U	25 U	26 U
2-Chloronaphthalene	ug/L	10 U	10 U	10 U	10 U
2-Nitroaniline	ug/L	25 U	25 U	25 U	26 U
Dimethylphthalate	ug/L	10 U	10 U	10 U	10 U
Acenaphthylene	ug/L	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	ug/L	10 U	10 U	10 U	10 U
3-Nitroaniline	ug/L	25 U	25 U	25 U	26 U
Acenaphthene	ug/L	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	ug/L	25 U	25 U	25 U	26 U
4-Nitrophenol	ug/L	25 U	25 U	25 U	26 U
Dibenzofuran	ug/L	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	ug/L	10 U	10 U	10 U	10 U
Disthyphthalate	ug/L	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	ug/L	10 U	10 U	10 U	10 U
Fluorene	ug/L	10 U	10 U	10 U	10 U
4-Nitroaniline	ug/L	25 U	25 U	25 U	26 U
4,6-Dinitro-2-methylphenol	ug/L	25 U	25 U	25 U	26 U
N-Nitrosodiphenylamine	ug/L	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	ug/L	10 U	10 U	10 U	10 U
Hexachlorobenzene	ug/L	10 U	10 U	10 U	10 U
Pentachlorophenol	ug/L	2 J	25 U	25 U	26 U
Phenanthrene	ug/L	10 U	10 U	10 U	10 U
Anthracene	ug/L	10 U	10 U	10 U	10 U
Carbazole	ug/L	10 U	10 U	10 U	10 U
Di-n-butylphthalate	ug/L	1 J	0.9 J	2 J	10 U
Fluoranthene	ug/L	10 U	10 U	10 U	10 U
Pyrene	ug/L	1 J	10 U	10 U	10 U
Butylbenzylphthalate	ug/L	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L	10 U	10 U	10 U	10 U
Benzo(a)anthracene	ug/L	10 U	0.5 J	10 U	10 U
Chrysene	ug/L	10 U	0.5 J	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	10 U	10 U	10 U
Di-n-octylphthalate	ug/L	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	ug/L	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	ug/L	10 U	1 J	10 U	10 U
Benzo(a)pyrene	ug/L	10 U	0.6 J	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	ug/L	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	ug/L	10 U	10 U	10 U	10 U

SENECA ARMY DEPOT
SEAD-12 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER
	LOCATION	SEAD-12	SEAD-12	SEAD-12	SEAD-12
	SAMPLE DATE	06/24/94	06/24/94	06/11/94	06/11/94
	ES ID	SW12A-1	SW12A-20	SW12A-2	SW12A-3
	LAB ID	225429	225430	223898	223899
	SDG NUMBER	44745	44745	44745	44745
	UNITS		SW12A-1DUP		
PESTICIDES/PCB					
alpha-BHC	ug/L	0.052 U	0.051 U	0.054 U	0.052 U
beta-BHC	ug/L	0.052 U	0.051 U	0.054 U	0.052 U
delta-BHC	ug/L	0.052 U	0.051 U	0.054 U	0.052 U
gamma-BHC (Lindane)	ug/L	0.052 U	0.051 U	0.054 U	0.052 U
Heptachlor	ug/L	0.052 U	0.051 U	0.054 U	0.052 U
Aldrin	ug/L	0.052 U	0.051 U	0.054 U	0.052 U
Heptachlor epoxide	ug/L	0.052 U	0.051 U	0.054 U	0.052 U
Endosulfan I	ug/L	0.052 U	0.051 U	0.054 U	0.052 U
Dieldrin	ug/L	0.1 U	0.1 U	0.11 U	0.1 U
4,4'-DDE	ug/L	0.1 U	0.1 U	0.11 U	0.1 U
Endrin	ug/L	0.1 U	0.1 U	0.11 U	0.1 U
Endosulfan II	ug/L	0.1 U	0.1 U	0.11 U	0.1 U
4,4'-DDD	ug/L	0.1 U	0.1 U	0.11 U	0.1 U
Endosulfan sulfate	ug/L	0.1 U	0.1 U	0.11 U	0.1 U
4,4'-DDT	ug/L	0.1 U	0.1 U	0.11 U	0.1 U
Methoxychlor	ug/L	0.52 U	0.51 U	0.54 U	0.52 U
Endrin ketone	ug/L	0.1 U	0.1 U	0.11 U	0.1 U
Endrin aldehyde	ug/L	0.1 U	0.1 U	0.11 U	0.1 U
alpha-Chlordane	ug/L	0.052 U	0.051 U	0.054 U	0.052 U
gamma-Chlordane	ug/L	0.052 U	0.051 U	0.054 U	0.052 U
Toxaphene	ug/L	5.2 U	5.1 U	5.4 U	5.2 U
Aroclor-1016	ug/L	1 U	1 U	1.1 U	1 U
Aroclor-1221	ug/L	2.1 U	2 U	2.2 U	2.1 U
Aroclor-1232	ug/L	1 U	1 U	1.1 U	1 U
Aroclor-1242	ug/L	1 U	1 U	1.1 U	1 U
Aroclor-1248	ug/L	1 U	1 U	1.1 U	1 U
Aroclor-1254	ug/L	1 U	1 U	1.1 U	1 U
Aroclor-1260	ug/L	1 U	1 U	1.1 U	1 U
METALS					
Aluminum	ug/L	175 J	153 J	86.7 J	879
Antimony	ug/L	1.3 U	1.3 U	1.3 U	1.3 U
Arsenic	ug/L	2 U	2 U	2 U	2 U
Barium	ug/L	28.6 J	27.9 J	30.9 J	41.2 J
Beryllium	ug/L	0.1 U	0.1 U	0.1 U	0.1 U
Cadmium	ug/L	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	ug/L	85700	84600	77400	83700
Chromium	ug/L	0.89 J	0.85 J	0.56 J	1.5 J
Cobalt	ug/L	0.5 U	0.53 J	0.81 J	0.73 J
Copper	ug/L	1.2 J	1.2 J	1.6 J	2 J
Iron	ug/L	250	221	126	966
Lead	ug/L	0.9 U	0.89 U	0.9 U	0.89 U
Magnesium	ug/L	15000	14700	17600	18100
Manganese	ug/L	20.1	18.2	492	104
Mercury	ug/L	0.11 J	0.03 J	0.08 J	0.03 U
Nickel	ug/L	0.7 U	0.69 U	0.7 U	1.3 J
Potassium	ug/L	1610 J	1550 J	3360 J	1650 J
Selenium	ug/L	2.7 U	2.7 U	2.7 U	2.7 U
Silver	ug/L	0.5 U	0.57 J	0.58 J	0.5 U
Sodium	ug/L	7030	6830	70700	6940
Thallium	ug/L	1.9 U	1.9 U	2 J	1.9 U
Vanadium	ug/L	0.98 J	0.89 J	0.86 J	1.6 J
Zinc	ug/L	5.4 J	3.4 J	2.2 J	12.9 J
Cyanide	ug/L	5 U	5 U	5 U	5 U
OTHER ANALYSES					
Nitrate/Nitrite - Nitrogen	mg/L				
Total Petroleum Hydrocarbons	mg/L				
pH	Standard Units	7.9		6.8	5.6
Conductivity	umhos/cm	530		600	825
Temperature	°C	20.3		14	25
Turbidity	NTU	4.8		2.8	3.5

SENECA ARMY DEPOT
SEAD-12 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

MATRIX LOCATION	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12
DEPTH (FEET)	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
SAMPLE DATE	06/22/94	06/22/94	06/11/94	06/11/94	06/11/94
ES ID	SD12A-1	SD12A-20	SD12A-2	SD12A-3	SD12A-4
LAB ID	225396	225397	223908	223909	223910
SDG NUMBER	44799	44799	44748	44748	44748
COMPOUND UNITS	UNITS	SD12A-1DUP			
VOLATILE ORGANICS					
Chloromethane	ug/Kg	13 U	12 U	20 U	19 U
Bromomethane	ug/Kg	13 U	12 U	20 U	19 U
Vinyl Chloride	ug/Kg	13 U	12 U	20 U	19 U
Chloroethane	ug/Kg	13 U	12 U	20 U	19 U
Methylene Chloride	ug/Kg	13 U	12 U	20 U	19 U
Acetone	ug/Kg	13 U	12 U	20 U	24 U
Carbon Disulfide	ug/Kg	13 U	12 U	20 U	19 U
1,1-Dichloroethene	ug/Kg	13 U	12 U	20 U	19 U
1,1-Dichloroethane	ug/Kg	13 U	12 U	20 U	19 U
1,2-Dichloroethene (total)	ug/Kg	13 U	12 U	20 U	19 U
Chloroform	ug/Kg	13 U	12 U	20 U	19 U
1,2-Dichloroethane	ug/Kg	13 U	12 U	20 U	19 U
2-Butanone	ug/Kg	13 U	12 U	20 U	19 U
1,1,1-Trichloroethane	ug/Kg	13 U	12 U	20 U	19 U
Carbon Tetrachloride	ug/Kg	13 U	12 U	20 U	19 U
Bromodichloromethane	ug/Kg	13 U	12 U	20 U	19 U
1,2-Dichloropropane	ug/Kg	13 U	12 U	20 U	19 U
cis-1,3-Dichloropropene	ug/Kg	13 U	12 U	20 U	19 U
Trichloroethene	ug/Kg	13 U	12 U	20 U	19 U
Dibromochloromethane	ug/Kg	13 U	12 U	20 U	19 U
1,1,2-Trichloroethane	ug/Kg	13 U	12 U	20 U	19 U
Benzene	ug/Kg	13 U	12 U	20 U	19 U
trans-1,3-Dichloropropene	ug/Kg	13 U	12 U	20 U	19 U
Bromoform	ug/Kg	13 U	12 U	20 U	19 U
4-Methyl-2-Pentanone	ug/Kg	13 U	12 U	20 U	19 U
2-Hexanone	ug/Kg	13 U	12 U	20 U	19 U
Tetrachloroethane	ug/Kg	13 U	12 U	20 U	19 U
1,1,2,2-Tetrachloroethane	ug/Kg	13 U	12 U	20 U	19 U
Toluene	ug/Kg	13 U	12 U	20 U	19 U
Chlorobenzene	ug/Kg	13 U	12 U	20 U	19 U
Ethylbenzene	ug/Kg	13 U	12 U	20 U	19 U
Styrene	ug/Kg	13 U	12 U	20 U	19 U
Xylene (total)	ug/Kg	13 U	12 U	20 U	19 U
HERBICIDES					
2,4-D	ug/Kg				
2,4-DB	ug/Kg				
2,4,5-T	ug/Kg				
2,4,5-TP (Silvex)	ug/Kg				
Dalapon	ug/Kg				
Dicamba	ug/Kg				
Dichloroprop	ug/Kg				
Dinoseb	ug/Kg				
MCPA	ug/Kg				
MCPP	ug/Kg				
NITROAROMATICS					
HMX	ug/Kg				
RDX	ug/Kg				
1,3,5-Trinitrobenzene	ug/Kg				
1,3-Dinitrobenzene	ug/Kg				
Tetryl	ug/Kg				
2,4,6-Trinitrotoluene	ug/Kg				
4-amino-2,6-Dinitrotoluene	ug/Kg				
2-amino-4,6-Dinitrotoluene	ug/Kg				
2,6-Dinitrotoluene	ug/Kg				
2,4-Dinitrotoluene	ug/Kg				

SENECA ARMY DEPOT
SEAD-12 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

MATRIX LOCATION DEPTH FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-12 0-0.2 06/22/94 SD12A-1 225396 44799	SOIL SEAD-12 0-0.2 06/22/94 SD12A-20 225397 44799	SOIL SEAD-12 0-0.2 06/11/94 SD12A-2 223908 44748	SOIL SEAD-12 0-0.2 06/11/94 SD12A-3 223909 44748	SOIL SEAD-12 0-0.2 06/11/94 SD12A-4 223910 44748	
COMPOUND	UNITS	UNITS	UNITS	UNITS	UNITS	
SEMIVOLATILE ORGANICS						
Phenol	ug/Kg	430 U	450 U	610 U	450 U	400 U
bis(2-Chloroethyl) ether	ug/Kg	430 U	450 U	610 U	450 U	400 U
2-Chlorophenol	ug/Kg	430 U	450 U	610 U	450 U	400 U
1,3-Dichlorobenzene	ug/Kg	430 U	450 U	610 U	450 U	400 U
1,4-Dichlorobenzene	ug/Kg	430 U	450 U	610 U	450 U	400 U
1,2-Dichlorobenzene	ug/Kg	430 U	450 U	610 U	450 U	400 U
2-Methylphenol	ug/Kg	430 U	450 U	610 U	450 U	400 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	430 U	450 U	610 U	450 U	400 U
4-Methylphenol	ug/Kg	430 U	450 U	610 U	450 U	400 U
N-Nitroso-di-n-propylamine	ug/Kg	430 U	450 U	610 U	450 U	400 U
Hexachloroethane	ug/Kg	430 U	450 U	610 U	450 U	400 U
Nitrobenzene	ug/Kg	430 U	450 U	610 U	450 U	400 U
Isophorone	ug/Kg	430 U	450 U	610 U	450 U	400 U
2-Nitrophenol	ug/Kg	430 U	450 U	610 U	450 U	400 U
2,4-Dimethylphenol	ug/Kg	430 U	450 U	610 U	450 U	400 U
bis(2-Chloroethoxy) methane	ug/Kg	430 U	450 U	610 U	450 U	400 U
2,4-Dichlorophenol	ug/Kg	430 U	450 U	610 U	450 U	400 U
1,2,4-Trichlorobenzene	ug/Kg	430 U	450 U	610 U	450 U	400 U
Naphthalene	ug/Kg	430 U	450 U	610 U	450 U	400 U
4-Chloroaniline	ug/Kg	430 U	450 U	610 U	450 U	400 U
Hexachlorobutadiene	ug/Kg	430 U	450 U	610 U	450 U	400 U
4-Chloro-3-methylphenol	ug/Kg	430 U	450 U	610 U	450 U	400 U
2-Methylnaphthalene	ug/Kg	430 U	450 U	610 U	450 U	400 U
Hexachlorocyclopentadiene	ug/Kg	430 U	450 U	610 U	450 U	400 U
2,4,6-Trichlorophenol	ug/Kg	430 U	450 U	610 U	450 U	400 U
2,4,5-Trichlorophenol	ug/Kg	1000 U	1100 U	1500 U	1100 U	960 U
2-Chloronaphthalene	ug/Kg	430 U	450 U	610 U	450 U	400 U
2-Nitroaniline	ug/Kg	1000 U	1100 U	1500 U	1100 U	960 U
Dimethylphthalate	ug/Kg	430 U	450 U	610 U	450 U	400 U
Acenaphthylene	ug/Kg	430 U	450 U	610 U	450 U	400 U
2,6-Dinitrotoluene	ug/Kg	430 U	450 U	610 U	450 U	400 U
3-Nitroaniline	ug/Kg	1000 U	1100 U	1500 U	1100 U	960 U
Acenaphthene	ug/Kg	430 U	450 U	610 U	450 U	400 U
2,4-Dinitrophenol	ug/Kg	1000 U	1100 U	1500 U	1100 U	960 U
4-Nitrophenol	ug/Kg	1000 U	1100 U	1500 U	1100 U	960 U
Dibenzofuran	ug/Kg	430 U	450 U	610 U	450 U	400 U
2,4-Dinitrotoluene	ug/Kg	430 U	450 U	610 U	450 U	400 U
Diethylphthalate	ug/Kg	430 U	450 U	610 U	450 U	400 U
4-Chlorophenyl-phenyl ether	ug/Kg	430 U	450 U	610 U	450 U	400 U
Fluorene	ug/Kg	430 U	450 U	610 U	450 U	400 U
4-Nitroaniline	ug/Kg	1000 U	1100 U	1500 U	1100 U	960 U
4,6-Dinitro-2-methylphenol	ug/Kg	1000 U	1100 U	1500 U	1100 U	960 U
N-Nitrosodiphenylamine	ug/Kg	430 U	450 U	610 U	450 U	400 U
4-Bromophenyl-phenyl ether	ug/Kg	430 U	450 U	610 U	450 U	400 U
Hexachlorobenzene	ug/Kg	430 U	450 U	610 U	450 U	400 U
Pentachlorophenol	ug/Kg	1000 U	1100 U	1500 U	1100 U	960 U
Phenanthrene	ug/Kg	430 U	450 U	610 U	450 U	400 U
Anthracene	ug/Kg	430 U	450 U	610 U	450 U	400 U
Carbazole	ug/Kg	430 U	450 U	610 U	450 U	400 U
Di-n-butylphthalate	ug/Kg	430 U	53 J	610 U	450 U	400 U
Fluoranthene	ug/Kg	430 U	450 U	610 U	26 J	400 U
Pyrene	ug/Kg	430 U	450 U	610 U	450 U	400 U
Butylbenzylphthalate	ug/Kg	430 U	450 U	610 U	450 U	400 U
3,3'-Dichlorobenzidine	ug/Kg	430 U	450 U	610 U	450 U	400 U
Benzo(a)anthracene	ug/Kg	430 U	450 U	610 U	450 U	400 U
Chrysene	ug/Kg	430 U	450 U	610 U	450 U	400 U
bis(2-Ethylhexyl)phthalate	ug/Kg	430 U	450 U	610 U	450 U	400 U
Di-n-octylphthalate	ug/Kg	430 U	450 U	610 U	450 U	400 U
Benzo(b)fluoranthene	ug/Kg	430 U	450 U	610 U	450 U	400 U
Benzo(k)fluoranthene	ug/Kg	430 U	450 U	610 U	450 U	400 U
Benzo(a)pyrene	ug/Kg	430 U	450 U	610 U	450 U	400 U
Indeno(1,2,3-cd)pyrene	ug/Kg	430 U	450 U	610 U	450 U	400 U
Dibenz(a,h)anthracene	ug/Kg	430 U	450 U	610 U	450 U	400 U
Benzo(g,h,i)perylene	ug/Kg	430 U	450 U	610 U	450 U	400 U

SENECA ARMY DEPOT
SEAD-12 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

MATRIX LOCATION	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12
DEPTH (FEET)	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
SAMPLE DATE	06/22/94	06/22/94	06/11/94	06/11/94	06/11/94
ES ID	SD12A-1	SD12A-20	SD12A-2	SD12A-3	SD12A-4
LAB ID	225396	225397	223908	223909	223910
SDG NUMBER	44799	44799	44748	44748	44748
COMPOUND	UNITS	UNITS	UNITS	UNITS	UNITS
PESTICIDES/PCB					
alpha-BHC	ug/Kg	2.2 U	2.3 U	3.1 U	2.3 U
beta-BHC	ug/Kg	2.2 U	2.3 U	3.1 U	2.3 U
delta-BHC	ug/Kg	2.2 U	2.3 U	3.1 U	2.3 U
gamma-BHC (Lindane)	ug/Kg	2.2 U	2.3 U	3.1 U	2.3 U
Heptachlor	ug/Kg	2.2 U	2.3 U	3.1 U	2.3 U
Aldrin	ug/Kg	2.2 U	2.3 U	3.1 U	2.3 U
Heptachlor epoxide	ug/Kg	2.2 U	2.3 U	3.1 U	2.3 U
Endosulfan I	ug/Kg	2.2 U	2.3 U	3.1 U	2.3 U
Dieldrin	ug/Kg	4.3 U	4.5 U	6.1 U	4.5 U
4,4'-DDE	ug/Kg	4.3 U	4.5 U	6.1 U	4.5 U
Endrin	ug/Kg	4.3 U	4.5 U	6.1 U	4.5 U
Endosulfan II	ug/Kg	4.3 U	4.5 U	6.1 U	4.5 U
4,4'-DDD	ug/Kg	4.3 U	4.5 U	6.1 U	4.5 U
Endosulfan sulfate	ug/Kg	4.3 U	4.5 U	6.1 U	4.5 U
4,4'-DDT	ug/Kg	4.3 U	4.5 U	6.1 U	4.5 U
Methoxychlor	ug/Kg	22 U	23 U	31 U	23 U
Endrin ketone	ug/Kg	4.3 U	4.5 U	6.1 U	4.5 U
Endrin aldehyde	ug/Kg	4.3 U	4.5 U	6.1 U	4.5 U
alpha-Chlordane	ug/Kg	2.2 U	2.3 U	3.1 U	2.3 U
gamma-Chlordane	ug/Kg	2.2 U	2.3 U	3.1 U	2.3 U
Toxaphene	ug/Kg	220 U	230 U	310 U	230 U
Aroclor-1016	ug/Kg	43 U	45 U	61 U	45 U
Aroclor-1221	ug/Kg	87 U	91 U	120 U	92 U
Aroclor-1232	ug/Kg	43 U	45 U	61 U	45 U
Aroclor-1242	ug/Kg	43 U	45 U	61 U	45 U
Aroclor-1248	ug/Kg	43 U	45 U	61 U	45 U
Aroclor-1254	ug/Kg	43 U	45 U	61 U	45 U
Aroclor-1260	ug/Kg	43 U	45 U	61 U	45 U
METALS					
Aluminum	mg/Kg	17400	16600	11800	13600
Antimony	mg/Kg	0.34 UJ	0.34 UJ	0.3 UJ	0.23 UJ
Arsenic	mg/Kg	8	15.8	4	5.8
Barium	mg/Kg	349	848	84.1	83.7
Beryllium	mg/Kg	1 J	1.2 J	0.62 J	0.66 J
Cadmium	mg/Kg	1.5	3.8	0.62 J	0.65 J
Calcium	mg/Kg	8060	5560	8630	18200
Chromium	mg/Kg	25.2	26.3	19.1 J	22.2 J
Cobalt	mg/Kg	26.1	71.3	10.3 J	12.6
Copper	mg/Kg	14.1	17.5	29.7	28.9
Iron	mg/Kg	48900	76200	21800	30400
Lead	mg/Kg	21.4	22.9	18.8 R	15.8 R
Magnesium	mg/Kg	5210	4450	4900	7620
Manganese	mg/Kg	4200 J	13500 J	340	478
Mercury	mg/Kg	0.07	0.05 J	0.25	0.06 J
Nickel	mg/Kg	35.7	52.8	31.8	38.8
Potassium	mg/Kg	1810 J	1810 J	1450 J	1830 J
Selenium	mg/Kg	3.3	4.3	0.82 J	0.89
Silver	mg/Kg	0.13 U	0.44 J	0.12 U	0.09 U
Sodium	mg/Kg	96.2 J	87.1 J	136 J	139 J
Thallium	mg/Kg	0.49 U	0.49 U	0.44 U	0.33 U
Vanadium	mg/Kg	31.7	40.1	21.7	23.7
Zinc	mg/Kg	158	170	172	147
Cyanide	mg/Kg	0.57 U	0.82 U	0.87 U	0.67 U
OTHER ANALYSES					
Nitrate/Nitrite-Nitrogen	mg/Kg				
Total Petroleum Hydrocarbons	mg/Kg				
Total Solids	%W/W	76.8	73.8	54.2	72.9

**SENECA ARMY DEPOT
SEAD-12 EXPANDED SITE INSPECTION
SOIL RADIOACTIVITY ANALYSIS RESULTS**

	MEDIA SWMU	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12
	DEPTH (FT)	0-0.2	4-6	8-9.5	2.5	3	6	5	2.5
	DATE SAMPLED	6/10/94	6/10/94	6/10/94	6/24/94	6/24/94	6/22/94	6/22/94	6/22/94
	ES ID	MW12A-1-00	MW12A-1-03	MW12A-1-05	TP12A-1-1	TP12A-1-2	TP12A-2-1	TP12A-2-2	TP12A-3-1
	LAB ID	224295	224296	224297	225663	225664	255657	225658	225659
	UNITS								
Gross Alpha	pCi/g	13 ± 5	8 ± 4	6 ± 4	17 ± 8	74 ± 14	21 ± 7	15 ± 7	21 ± 8
Gross Beta	pCi/g	27 ± 6	21 ± 5	24 ± 6	33 ± 6	52 ± 7	28 ± 6	27 ± 6	30 ± 6
Gamma Spectral									
Lead-210 @ 46KeV	pCi/g	2.8 ± 7	1.2 ± 0.6	1.5 ± 0.6	6.9 ± 1.4	14 ± 3	1.9 ± 0.5	2.3 ± 0.7	1.9 ± 0.5
Thorium-234 @ 63.3 KeV	pCi/g	0.76 ± 0.4	0.38 ± 0.39	0.27 ± 0.26	0.91 ± 0.48	-0.24 ± 0.62	0.31 ± 0.29	0.56 ± 0.43	0.58 ± 0.28
Thorium-234 @ 92.6 KeV	pCi/g	0.38 ± 0.39	0.3 ± 0.39	0.3 ± 0.22	0.15 ± 0.65	1.6 ± 0.6	0.10 ± 0.23	0.30 ± 0.34	0.34 ± 0.22
Radium-226 @ 186 KeV	pCi/g	0.75 ± 0.35	0.88 ± 0.35	1.2 ± 0.4	7.6 ± 1.0	22 ± 2	1.9 ± 0.4	2.1 ± 0.5	1.3 ± 0.4
Lead-214 @ 295.2 KeV	pCi/g	0.78 ± 0.13	0.74 ± 0.13	0.84 ± 0.14	6.9 ± 0.8	25 ± 2	1.6 ± 0.2	1.7 ± 0.2	1.0 ± 0.2
Lead-214 @ 352 KeV	pCi/g	0.83 ± 0.11	0.78 ± 0.1	0.78 ± 0.1	6.8 ± 0.7	25 ± 2	1.6 ± 0.2	1.9 ± 0.2	0.96 ± 0.12
Bismuth-214 @ 609.4 KeV	pCi/g	0.7 ± 0.11	0.69 ± 0.11	0.8 ± 0.13	6.8 ± 0.6	23 ± 2	1.5 ± 0.2	1.8 ± 0.2	0.93 ± 0.12
Bismuth-214 @ 1120.4 KeV	pCi/g	0.54 ± 0.24	0.36 ± 0.42	0.88 ± 0.27	7.0 ± 0.8	25 ± 2	1.7 ± 0.3	1.7 ± 0.4	0.84 ± 0.26
Bismuth-214 @ 1764.7 KeV	pCi/g	0.72 ± 0.28	0.58 ± 0.27	0.69 ± 0.21	5.7 ± 0.8	22 ± 2	1.4 ± 0.3	1.5 ± 0.3	0.86 ± 0.25
Actinium-228 @ 338 KeV	pCi/g	0.78 ± 0.34	0.68 ± 0.3	0.64 ± 0.29	0.74 ± 0.33	0.65 ± 0.35	0.74 ± 0.32	0.60 ± 0.27	0.91 ± 0.38
Actinium-228 @ 911 KeV	pCi/g	0.61 ± 0.2	0.67 ± 0.2	0.81 ± 0.23	0.68 ± 0.21	0.90 ± 0.27	0.84 ± 0.23	0.67 ± 0.20	1.2 ± 0.3
Actinium-228 @ 968 KeV	pCi/g	0.5 ± 0.25	0.34 ± 0.23	0.84 ± 0.28	0.67 ± 0.27	0.91 ± 0.34	0.70 ± 0.26	0.81 ± 0.27	0.84 ± 0.29
Lead-212 @ 238 KeV	pCi/g	0.66 ± 0.15	0.61 ± 0.14	0.86 ± 0.17	0.40 ± 0.39	-0.07 ± 0.12	0.75 ± 0.18	0.59 ± 0.20	0.92 ± 0.19
Bismuth-212 @ 727 KeV	pCi/g	1.1 ± 0.4	0.75 ± 0.38	1.2 ± 0.6	0.86 ± 0.47	1.2 ± 0.6	1.3 ± 0.4	1.3 ± 0.4	1.3 ± 0.4
Thallium-208 @ 583 KeV	pCi/g	0.26 ± 0.05	0.21 ± 0.05	0.29 ± 0.05	0.26 ± 0.05	0.25 ± 0.06	0.27 ± 0.05	0.23 ± 0.05	0.35 ± 0.06
Thallium-208 @ 860 KeV	pCi/g	0.2 ± 0.69	0.39 ± 0.23	0.41 ± 0.22	0.43 ± 0.27	0.88 ± 1.4	0.35 ± 0.21	0.49 ± 0.74	0.49 ± 0.23
Uranium-235 @ 143.8 KeV	pCi/g	-0.02 ± 0.14	0.04 ± 0.05	0.08 ± 0.02	0.05 ± 0.08	-0.18 ± 0.49	0.15 ± 0.22	0.06 ± 0.07	-0.04 ± 0.22
Cesium-137 @ 661 KeV	pCi/g	0.51 ± 0.06	-0.02 ± 0.08	-0.07 ± 0.11	-0.02 ± 0.07	0.05 ± 0.04	0.10 ± 0.03	0.04 ± 0.03	0.29 ± 0.04
Potassium-40 @ 1460 KeV	pCi/g	14 ± 1	15 ± 2	20 ± 2	16 ± 2	18 ± 2	17 ± 1	16 ± 2	15 ± 1

**SENECA ARMY DEPOT
SEAD-12 EXPANDED SITE INSPECTION
SOIL RADIOACTIVITY ANALYSIS RESULTS**

	MEDIA SWMU	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12
	DEPTH (FT)	6	4	4	3	1	7	4	7
	DATE SAMPLED	6/22/94	6/21/94	6/21/94	6/23/94	6/23/94	6/23/94	6/23/94	6/24/94
	ES ID	TP12A-3-2	TP12A-4-1	TP12A-4-2	TP12A-5-1	TP12A-6-1	TP12A-6-2	TP12A-7-1	TP12A-8-1
	LAB ID	225660	224946	224947	225650	225651	225652	225653	225665
	UNITS								
Gross Alpha	pCi/g	10 ± 6	12 ± 6	7 ± 5	8 ± 6	14 ± 7	10 ± 6	20 ± 7	5 ± 6
Gross Beta	pCi/g	27 ± 6	17 ± 6	21 ± 6	22 ± 6	29 ± 6	21 ± 6	30 ± 6	23 ± 6
Gamma Spectral									
Lead-210 @ 46KeV	pCi/g	1.7 ± 0.6	1.3 ± 0.7	1.5 ± 0.4	1.3 ± 0.4	2.0 ± 0.6	1.4 ± 0.5	3.8 ± 0.8	1.3 ± 0.7
Thorium-234 @ 63.3 KeV	pCi/g	0.52 ± 0.39	0.88 ± 0.41	0.24 ± 0.24	0.36 ± 0.24	1.1 ± 0.4	0.15 ± 0.23	0.54 ± 0.43	0.44 ± 0.38
Thorium-234 @ 92.6 KeV	pCi/g	0.26 ± 0.38	0.33 ± 0.39	0.20 ± 0.16	0.27 ± 0.18	0.48 ± 0.39	0.38 ± 0.17	0.24 ± 0.30	0.19 ± 0.40
Radium-226 @ 186 KeV	pCi/g	1.1 ± 0.4	0.88 ± 0.35	1.1 ± 0.3	0.77 ± 0.31	1.1 ± 0.4	0.96 ± 0.33	1.3 ± 0.4	1.0 ± 0.40
Lead-214 @ 295.2 KeV	pCi/g	0.85 ± 0.15	0.84 ± 0.15	0.71 ± 0.14	0.68 ± 0.14	0.88 ± 0.16	0.71 ± 0.15	0.78 ± 0.14	0.65 ± 0.13
Lead-214 @ 352 KeV	pCi/g	0.80 ± 0.11	0.83 ± 0.11	0.77 ± 0.10	0.72 ± 0.10	0.82 ± 0.11	0.67 ± 0.09	0.94 ± 0.12	0.60 ± 0.09
Bismuth-214 @ 609.4 KeV	pCi/g	0.74 ± 0.11	0.86 ± 0.12	0.73 ± 0.10	0.61 ± 0.10	0.69 ± 0.14	0.64 ± 0.11	0.96 ± 0.13	0.68 ± 0.11
Bismuth-214 @ 1120.4 KeV	pCi/g	0.84 ± 0.28	0.86 ± 0.29	0.69 ± 0.24	0.56 ± 0.23	0.86 ± 0.29	0.78 ± 0.25	0.75 ± 0.29	0.52 ± 0.26
Bismuth-214 @ 1764.7 KeV	pCi/g	0.68 ± 0.25	0.92 ± 0.31	0.68 ± 0.23	0.44 ± 0.21	0.66 ± 0.24	0.70 ± 0.23	0.64 ± 0.24	0.78 ± 0.26
Actinium-228 @ 338 KeV	pCi/g	0.83 ± 0.35	0.84 ± 0.35	0.55 ± 0.26	0.47 ± 0.23	0.85 ± 0.36	0.63 ± 0.28	0.79 ± 0.34	0.70 ± 0.31
Actinium-228 @ 911 KeV	pCi/g	0.96 ± 0.26	0.72 ± 0.21	0.75 ± 0.21	0.71 ± 0.21	0.87 ± 0.24	0.66 ± 0.19	0.84 ± 0.24	0.52 ± 0.18
Actinium-228 @ 968 KeV	pCi/g	0.79 ± 0.26	0.93 ± 0.29	0.54 ± 0.22	0.72 ± 0.25	0.98 ± 0.30	0.57 ± 0.23	0.68 ± 0.25	0.74 ± 0.26
Lead-212 @ 238 KeV	pCi/g	0.68 ± 0.15	0.62 ± 0.13	0.72 ± 0.15	0.61 ± 0.12	0.71 ± 0.17	0.66 ± 0.13	0.66 ± 0.15	0.54 ± 0.11
Bismuth-212 @ 727 KeV	pCi/g	0.81 ± 0.39	1.1 ± 0.4	0.85 ± 0.37	0.56 ± 0.34	0.96 ± 0.39	0.61 ± 0.36	0.78 ± 0.38	0.69 ± 0.37
Thallium-208 @ 583 KeV	pCi/g	0.24 ± 0.05	0.28 ± 0.05	0.27 ± 0.05	0.24 ± 0.05	0.27 ± 0.05	0.23 ± 0.04	0.30 ± 0.06	0.20 ± 0.04
Thallium-208 @ 860 KeV	pCi/g	0.89 ± 0.66	1.6 ± 0.7	0.55 ± 0.22	-0.05 ± 0.8	0.49 ± 0.23	0.67 ± 0.75	0.37 ± 0.22	0.34 ± 0.21
Uranium-235 @ 143.8 KeV	pCi/g	0.00 ± 0.12	0.07 ± 0.06	0.11 ± 0.20	0.23 ± 0.20	0.18 ± 0.15	0.05 ± 0.2	0.05 ± 0.06	0.03 ± 0.05
Cesium-137 @ 661 KeV	pCi/g	0.02 ± 0.08	0.05 ± 0.03	-0.11 ± 0.11	-0.03 ± 0.10	0.33 ± 0.05	-0.02 ± 0.10	1.3 ± 0.1	0.04 ± 0.07
Potassium-40 @ 1460 KeV	pCi/g	19 ± 2	16 ± 2	17 ± 1	15 ± 1	19 ± 2	16 ± 1	18 ± 2	15 ± 2

**SENECA ARMY DEPOT
SEAD-12 EXPANDED SITE INSPECTION
SOIL RADIOACTIVITY ANALYSIS RESULTS**

	MEDIA SWMU DEPTH (FT) DATE SAMPLED ES ID LAB ID UNITS	SOIL SEAD-12 18-21 6/29/94 SB12B-1 225920	SOIL SEAD-12 4-6 6/13/94 MW12B-1-03 224318	SOIL SEAD-12 4-6 6/13/94 MW12B-1-20 224320	SOIL SEAD-12 12-13.5 6/13/94 MW12B-1-07 224319	SOIL SEAD-12 4 6/25/94 TP12B-1 225671	SOIL SEAD-12 2.5 6/24/94 TP12B-2-1 225666	SOIL SEAD-12 2.5 6/25/94 TP12B-3 225667	SOIL SEAD-12 2.5 6/25/94 TP12B-53 225669 TP12B-3DUP
Gross Alpha	pCi/g	12 ± 5	3 ± 3	6 ± 4	7 ± 5	8 ± 6	8 ± 6	6 ± 6	7 ± 6
Gross Beta	pCi/g	26 ± 6	22 ± 5	18 ± 5	25 ± 6	25 ± 6	28 ± 6	20 ± 6	14 ± 5
Gamma Spectral									
Lead-210 @ 46KeV	pCi/g	1.2 ± 0.5	1.2 ± 0.4	1.1 ± 0.4	1.9 ± 0.6	1.4 ± 0.5	1.4 ± 0.4	1.0 ± 0.6	2.1 ± 0.6
Thorium-234 @ 63.3 KeV	pCi/g	0.36 ± 0.25	0.23 ± 0.24	0.27 ± 0.25	0.38 ± 0.38	0.20 ± 0.23	0.35 ± 0.25	0.28 ± 0.37	0.39 ± 0.41
Thorium-234 @ 92.6 KeV	pCi/g	0.33 ± 0.18	0.17 ± 0.17	0.11 ± 0.16	0.25 ± 0.34	0.21 ± 0.16	0.16 ± 0.18	0.38 ± 0.31	0.06 ± 0.27
Radium-226 @ 186 KeV	pCi/g	1.2 ± 0.3	0.86 ± 0.34	1.4 ± 0.4	-0.19 ± 0.97	0.78 ± 0.31	0.95 ± 0.33	0.43 ± 0.32	0.94 ± 0.35
Lead-214 @ 295.2 KeV	pCi/g	0.76 ± 0.14	0.76 ± 0.13	0.79 ± 0.14	0.74 ± 0.13	0.66 ± 0.13	0.82 ± 0.14	0.56 ± 0.12	0.54 ± 0.12
Lead-214 @ 352 KeV	pCi/g	0.78 ± 0.10	0.76 ± 0.1	0.73 ± 0.1	0.74 ± 0.1	0.72 ± 0.10	0.84 ± 0.11	0.50 ± 0.08	0.49 ± 0.08
Bismuth-214 @ 609.4 KeV	pCi/g	0.76 ± 0.11	0.73 ± 0.11	0.82 ± 0.12	0.75 ± 0.11	0.68 ± 0.11	0.84 ± 0.11	0.49 ± 0.09	0.52 ± 0.10
Bismuth-214 @ 1120.4 KeV	pCi/g	0.62 ± 0.24	0.91 ± 0.27	0.85 ± 0.26	0.68 ± 0.26	0.69 ± 0.24	0.76 ± 0.24	0.41 ± 0.24	0.45 ± 0.25
Bismuth-214 @ 1764.7 KeV	pCi/g	0.62 ± 0.23	0.98 ± 0.24	0.55 ± 0.19	0.93 ± 0.32	0.51 ± 0.22	0.57 ± 0.22	0.47 ± 0.22	0.51 ± 0.22
Actinium-228 @ 338 KeV	pCi/g	0.65 ± 0.29	0.59 ± 0.26	0.45 ± 0.22	0.57 ± 0.26	0.48 ± 0.23	0.56 ± 0.26	0.41 ± 0.21	0.51 ± 0.24
Actinium-228 @ 911 KeV	pCi/g	0.73 ± 0.21	0.67 ± 0.2	0.67 ± 0.2	0.63 ± 0.2	0.63 ± 0.19	0.74 ± 0.21	0.56 ± 0.18	0.52 ± 0.17
Actinium-228 @ 968 KeV	pCi/g	0.74 ± 0.25	0.67 ± 0.25	0.81 ± 0.26	0.48 ± 0.25	0.51 ± 0.23	0.53 ± 0.21	0.51 ± 0.22	0.46 ± 0.21
Lead-212 @ 238 KeV	pCi/g	0.62 ± 0.13	0.65 ± 0.15	0.65 ± 0.14	0.52 ± 0.13	0.56 ± 0.12	0.70 ± 0.14	0.45 ± 0.11	0.39 ± 0.09
Bismuth-212 @ 727 KeV	pCi/g	0.66 ± 0.37	0.91 ± 0.53	0.55 ± 0.53	0.68 ± 0.36	0.72 ± 0.34	0.88 ± 0.37	0.73 ± 0.37	0.69 ± 0.35
Thallium-208 @ 583 KeV	pCi/g	0.24 ± 0.05	0.22 ± 0.04	0.19 ± 0.04	0.22 ± 0.5	0.21 ± 0.04	0.23 ± 0.05	0.13 ± 0.04	0.14 ± 0.04
Thallium-208 @ 860 KeV	pCi/g	0.33 ± 0.78	0.32 ± 0.2	-0.45 ± 0.88	0.38 ± 0.23	0.35 ± 0.20	0.44 ± 0.22	0.21 ± 0.70	0.46 ± 0.22
Uranium-235 @ 143.8 KeV	pCi/g	0.13 ± 0.21	0.61 ± 0.2	0.09 ± 0.21	0.02 ± 0.05	0.05 ± 0.20	-0.14 ± 0.21	0.05 ± 0.05	0.02 ± 0.13
Cesium-137 @ 661 KeV	pCi/g	-0.01 ± 0.10	0.01 ± 0.1	0.03 ± 0.03	0.02 ± 0.07	0.03 ± 0.10	0.07 ± 0.10	0.00 ± 0.08	0.04 ± 0.07
Potassium-40 @ 1460 KeV	pCi/g	16 ± 1	15 ± 1	16 ± 1	14 ± 2	14 ± 1	17 ± 1	13 ± 1	11 ± 2

**SENECA ARMY DEPOT
SEAD-12 EXPANDED SITE INSPECTION
GROUNDWATER RADIOACTIVITY ANALYSIS RESULTS**

	MEDIA SWMU	WATER SEAD-12	WATER SEAD-12	WATER SEAD-12	WATER SEAD-12	WATER SEAD-12	WATER SEAD-12	WATER SEAD-12
	DATE SAMPLED	7/20/94	7/20/94	7/20/94	7/19/94	7/19/94	7/19/94	7/19/94
	ES ID	MW12A-1	MW12A-2	MW12A-3	MW12B-1	MW12B-5	MW12B-2	MW12B-3
	LAB ID	227883	227884	227885	227878	227882	227880	227881
	UNITS					MW12B-1DUP		
Gross Alpha	pCi/L	5 ± 10	18 ± 20	0 ± 5	50 ± 26	23 ± 22	6 ± 25	10 ± 24
Gross Beta	pCi/L	30 ± 9	110 ± 20	10 ± 5	100 ± 30	59 ± 17	100 ± 20	94 ± 22
Tritium (Oxide)	pCi/mL				-0.12 ± 0.21	0.00 ± 0.21	0.06 ± 0.21	-0.14 ± 0.20
Gamma Spectral								
Lead-210 @ 46KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Thorium-234 @ 63.3 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Thorium-234 @ 92.6 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Radium-226 @ 186 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Lead-214 @ 295.2 KeV	pCi/L	ND	ND	ND	44 ± 15	ND	ND	ND
Lead-214 @ 352 KeV	pCi/L	ND	ND	ND	45 ± 11	ND	ND	ND
Bismuth-214 @ 609.4 KeV	pCi/L	ND	ND	ND	66 ± 14	ND	ND	ND
Bismuth-214 @ 1120.4 KeV	pCi/L	ND	ND	ND	75 ± 34	ND	ND	ND
Bismuth-214 @ 1764.7 KeV	pCi/L	ND	ND	ND	65 ± 34	ND	ND	ND
Actinium-228 @ 338 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Actinium-228 @ 911 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Actinium-228 @ 968 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Lead-212 @ 238 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Bismuth-212 @ 727 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Thallium-208 @ 583 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Thallium-208 @ 860 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Uranium-235 @ 143.8 KeV	pCi/L	ND	ND	ND	28 ± 16	ND	ND	ND
Cesium-137 @ 661 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Potassium-40 @ 1460 KeV	pCi/L	ND	120 ± 73	ND	170 ± 72	84 ± 65	85 ± 66	140 ± 69
Radon-226 @ 186 KeV	pCi/L	ND	ND	ND	22 ± 75	ND	ND	ND

**SENECA ARMY DEPOT
SEAD-12 EXPANDED SITE INSPECTION
SURFACE WATER RADIOACTIVITY ANALYSIS RESULTS**

	MEDIA SWMU	WATER SEAD-12	WATER SEAD-12	WATER SEAD-12	WATER SEAD-12
	DATE SAMPLED	6/24/94	6/24/94	6/11/94	6/11/94
	ES ID	SW12A-1	SW12A-20	SW12A-2	SW12A-3
	LAB ID	225648	225649	224301	224302
	UNITS		SW12A-1DUP		
Gross Alpha	pCi/L	8 ± 3	9 ± 3	-1 ± 3	2 ± 3
Gross Beta	pCi/L	13 ± 3	9 ± 3	5 ± 4	6 ± 4
Tritium (Oxide)	pCi/mL				
Gamma Spectral					
Lead-210 @ 46KeV	pCi/L	ND	ND	ND	ND
Thorium-234 @ 63.3 KeV	pCi/L	ND	ND	ND	ND
Thorium-234 @ 92.6 KeV	pCi/L	ND	ND	ND	ND
Radium-226 @ 186 KeV	pCi/L	ND	ND	ND	ND
Lead-214 @ 295.2 KeV	pCi/L	ND	ND	ND	ND
Lead-214 @ 352 KeV	pCi/L	ND	ND	ND	ND
Bismuth-214 @ 609.4 KeV	pCi/L	ND	ND	ND	ND
Bismuth-214 @ 1120.4 KeV	pCi/L	ND	ND	ND	ND
Bismuth-214 @ 1764.7 KeV	pCi/L	ND	ND	ND	ND
Actinium-228 @ 338 KeV	pCi/L	ND	ND	ND	ND
Actinium-228 @ 911 KeV	pCi/L	ND	ND	ND	ND
Actinium-228 @ 968 KeV	pCi/L	ND	ND	ND	ND
Lead-212 @ 238 KeV	pCi/L	ND	ND	ND	ND
Bismuth-212 @ 727 KeV	pCi/L	ND	ND	ND	ND
Thallium-208 @ 583 KeV	pCi/L	ND	ND	ND	ND
Thallium-208 @ 860 KeV	pCi/L	ND	ND	ND	ND
Uranium-235 @ 143.8 KeV	pCi/L	ND	ND	ND	ND
Cesium-137 @ 661 KeV	pCi/L	ND	ND	ND	ND
Potassium-40 @ 1460 KeV	pCi/L	-3 ± 58	26 ± 72	4 ± 70	-38 ± 56
Radon-226 @ 186 KeV	pCi/L	ND	ND	ND	ND

**SENECA ARMY DEPOT
SEAD-12 EXPANDED SITE INSPECTION
SEDIMENT RADIOACTIVITY ANALYSIS RESULTS**

	MEDIA SWMU	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12	SOIL SEAD-12
	DEPTH (FT)	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	18-21
	DATE SAMPLED	6/22/94	6/22/94	6/11/94	6/11/94	6/11/94	6/29/94
	ES ID	SD12A-1	SD12A-20	SD12A-2	SD12A-3	SD12A-4	SB12B-1
	LAB ID	225654	255656	224298	224299	224300	225920
	UNITS		SD12A-1DUP				
Gross Alpha	pCi/g	18 ± 7	17 ± 7	8 ± 4	12 ± 5	9 ± 5	12 ± 5
Gross Beta	pCi/g	27 ± 6	26 ± 6	28 ± 6	36 ± 6	28 ± 5	26 ± 6
Gamma Spectral							
Lead-210 @ 46KeV	pCi/g	1.7 ± 0.5	1.7 ± 0.6	3.2 ± 0.9	1.6 ± 0.6	1.5 ± 0.6	1.2 ± 0.5
Thorium-234 @ 63.3 KeV	pCi/g	0.56 ± 0.39	1.6 ± 0.4	0.61 ± 0.47	0.44 ± 0.26	0.43 ± 0.5	0.36 ± 0.25
Thorium-234 @ 92.6 KeV	pCi/g	0.42 ± 0.23	0.67 ± 0.41	0.19 ± 0.32	0.18 ± 0.2	0.54 ± 0.37	0.33 ± 0.18
Radium-226 @ 186 KeV	pCi/g	1.9 ± 0.4	1.7 ± 0.4	0.98 ± 0.36	1.3 ± 0.4	0.93 ± 0.35	1.2 ± 0.3
Lead-214 @ 295.2 KeV	pCi/g	1.2 ± 0.2	1.1 ± 0.2	0.92 ± 0.15	0.76 ± 0.13	0.82 ± 0.14	0.76 ± 0.14
Lead-214 @ 352 KeV	pCi/g	1.1 ± 0.1	1.1 ± 0.1	0.89 ± 0.11	0.83 ± 0.11	0.86 ± 0.11	0.78 ± 0.10
Bismuth-214 @ 609.4 KeV	pCi/g	0.99 ± 0.13	1.0 ± 0.1	0.85 ± 0.13	0.92 ± 0.13	0.82 ± 0.12	0.76 ± 0.11
Bismuth-214 @ 1120.4 KeV	pCi/g	1.1 ± 0.3	1.2 ± 0.3	0.97 ± 0.28	1.1 ± 0.3	0.69 ± 0.45	0.62 ± 0.24
Bismuth-214 @ 1764.7 KeV	pCi/g	0.92 ± 0.25	1.1 ± 0.3	0.87 ± 0.3	0.71 ± 0.21	0.78 ± 0.29	0.62 ± 0.23
Actinium-228 @ 338 KeV	pCi/g	0.92 ± 0.38	1.1 ± 0.5	0.63 ± 0.28	0.74 ± 0.32	0.65 ± 0.29	0.65 ± 0.29
Actinium-228 @ 911 KeV	pCi/g	0.88 ± 0.24	0.69 ± 0.21	0.62 ± 0.2	0.83 ± 0.23	0.72 ± 0.22	0.73 ± 0.21
Actinium-228 @ 968 KeV	pCi/g	0.67 ± 0.24	0.95 ± 0.29	0.57 ± 0.27	0.88 ± 0.27	0.72 ± 0.28	0.74 ± 0.25
Lead-212 @ 238 KeV	pCi/g	0.81 ± 0.18	0.75 ± 0.20	0.68 ± 0.14	0.9 ± 0.18	0.7 ± 0.16	0.62 ± 0.13
Bismuth-212 @ 727 KeV	pCi/g	1.3 ± 0.4	0.83 ± 0.38	1.4 ± 0.5	1.5 ± 0.6	0.82 ± 0.39	0.66 ± 0.37
Thallium-208 @ 583 KeV	pCi/g	0.28 ± 0.05	0.28 ± 0.06	0.26 ± 0.05	0.29 ± 0.05	0.25 ± 0.05	0.24 ± 0.05
Thallium-208 @ 860 KeV	pCi/g	0.39 ± 0.21	0.52 ± 0.23	-0.58 ± 0.8	0.39 ± 0.21	0.85 ± 0.28	0.33 ± 0.78
Uranium-235 @ 143.8 KeV	pCi/g	0.10 ± 0.21	0.04 ± 0.06	0.04 ± 0.06	0.2 ± 0.21	0.04 ± 0.14	0.13 ± 0.21
Cesium-137 @ 661 KeV	pCi/g	0.06 ± 0.03	0.05 ± 0.03	0.27 ± 0.05	0.12 ± 0.03	0.12 ± 0.04	-0.01 ± 0.10
Potassium-40 @ 1460 KeV	pCi/g	19 ± 2	17 ± 2	17 ± 2	19 ± 2	16 ± 2	16 ± 1

SENECA ARMY DEPOT
SEAD-43, 56, AND 89 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-43 0-0.2 06/10/94 SB43-1-00 223689 44725	SOIL SEAD-43 0-0.2 06/10/94 SB43-1-20 223893 44725	SOIL SEAD-43 4-5 06/10/94 SB43-1-03 223891 44725	SOIL SEAD-43 14-16 06/10/94 SB43-1-08 223892 44725	SOIL SEAD-43 14-16 06/10/94 SB43-1-08RE 223892 44725	SOIL SEAD-43 0-0.2 06/10/94 SB43-2-00 223682 44694	SOIL SEAD-43 4-6 06/10/94 SB43-2-03 223684 44694	SOIL SEAD-43 10-12 06/10/94 SB43-2-06 223685 44694	SOIL SEAD-43 10-12 06/10/94 SB43-2-06RE 223685 44694	SOIL SEAD-43 0-0.2 06/09/94 SB43-3-00 223688 44694
VOLATILE ORGANICS										
Chloromethane	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
Bromomethane	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
Vinyl Chloride	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
Chloroethane	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
Methylene Chloride	13 U	10 UJ	11 U	11 U R	10 J R	12 U	11 U	11 U R	11 U R	11 U
Acetone	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	16 U R	21 U R
Carbon Disulfide	13 U	10 UJ	11 U	11 U R	1 J R	12 U	11 U	11 U R	11 U R	11 U
1,1-Dichloroethane	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
1,1-Dichloroethane	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
1,2-Dichloroethane (total)	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
Chloroform	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
1,2-Dichloroethane	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
2-Butanone	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
1,1,1-Trichloroethane	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
Carbon Tetrachloride	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
Bromochloromethane	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
1,2-Dichloropropane	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
cis-1,3-Dichloropropene	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
Trichloroethene	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
Dibromochloromethane	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
1,1,2-Trichloroethane	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
Benzene	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
trans-1,3-Dichloropropene	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
Bromoform	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
4-Methyl-2-Pentanone	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
2-Hexanone	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
Tetrachloroethene	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
1,1,2,2-Tetrachloroethane	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
Toluene	13 U	10 UJ	11 U	11 U R	2 J R	12 U	11 U	11 U R	11 U R	11 U
Chlorobenzene	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
Ethylbenzene	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
Styrene	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
Xylene (total)	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
HERBICIDES										
2,4-D	62 U	62 U	58 U	53 U		64 U	55 U	54 U		55 U
2,4-DB	62 U	62 U	58 U	53 U		64 U	55 U	54 U		55 U
2,4,5-T	6.2 U	12 J	5.8 U	5.3 U		6.4 U	5.5 U	5.4 U		5.5 U
2,4,5-TP (Silvex)	6.2 U	6.2 U	5.8 U	5.3 U		6.4 U	5.5 U	5.4 U		5.5 U
Dalapon	146 U	146 U	140 U	130 U		160 U	140 U	130 U		130 U
Dicamba	6.2 U	11 J	5.6 U	5.3 U		6.4 U	5.5 U	5.4 U		5.5 U
Dichloroprop	62 U	72 J	58 U	53 U		64 U	55 U	54 U		55 U
Dinoseb	31 UJ	31 UJ	28 UJ	27 UJ		32 U	28 U	27 U		28 U
MCPA	6200 U	6200 U	5600 U	5300 U		6400 U	5500 U	5400 U		5500 U
MCPP	6200 U	7300 J	5600 U	5300 U		6400 U	5500 U	5400 U		7100
NITROAROMATICS										
HMX	130 U	130 U	130 U	130 U		130 U	130 U	130 U		130 U
RDX	130 U	130 U	130 U	130 U		130 U	130 U	130 U		130 U
1,3,5-Trinitrobenzene	130 U	130 U	130 U	130 U		130 U	130 U	130 U		130 U
1,3-Dinitrobenzene	130 U	130 U	130 U	130 U		130 U	130 U	130 U		130 U
Tetryl	130 U	130 U	130 U	130 U		130 U	130 U	130 U		130 U
2,4,6-Trinitrotoluene	130 U	130 U	130 U	130 U		130 U	130 U	130 U		130 U
4-amino-2,6-Dinitrotoluene	130 U	130 U	130 U	130 U		130 U	130 U	130 U		130 U
2-amino-4,6-Dinitrotoluene	130 U	130 U	130 U	130 U		130 U	130 U	130 U		130 U
2,6-Dinitrotoluene	130 U	130 U	130 U	130 U		130 U	130 U	130 U		130 U
2,4-Dinitrotoluene	130 U	130 U	130 U	130 U		130 U	130 U	130 U		130 U

SENECA ARMY DEPOT
SEAD-43, 56, AND 69 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION	SOIL SEAD-43	SOIL SEAD-43	SOIL SEAD-43	SOIL SEAD-43	SOIL SEAD-43	SOIL SEAD-43	SOIL SEAD-43	SOIL SEAD-43	SOIL SEAD-43	SOIL SEAD-43	SOIL SEAD-43
DEPTH (FEET)	0-0.2	0-0.2	4-5	14-16	14-16	0-0.2	4-6	10-12	10-12	10-12	0-0.2
SAMPLE DATE	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94
ES ID	SB43-1-00	SB43-1-20	SB43-1-03	SB43-1-08	SB43-1-08RE	SB43-2-00	SB43-2-03	SB43-2-06	SB43-2-06	SB43-2-06RE	SB43-3-00
LAB ID	223889	223893	223891	223892	223892	223882	223684	223685	223685	223685	223686
SDG NUMBER	44725	44725	44725	44725	44725	44694	44694	44694	44694	44694	44694
COMPOUND		SB43-1-00DUP									
SEMIVOLATILE ORGANICS											
Phend	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
bis(2-Chloroethyl) ether	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
2-Chlorophend	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
1,3-Dichlorobenzene	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
1,4-Dichlorobenzene	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
1,2-Dichlorobenzene	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
2-Methylphend	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
4-Methylphend	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
N-Nitroso-di-n-propylamine	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
Hexachloroethane	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
Nitrobenzene	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
Isophorone	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
2-Nitrophenol	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
2,4-Dimethylphend	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
bis(2-Chloroethoxy) methane	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
2,4-Dichlorophenol	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
1,2,4-Trichlorobenzene	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
Naphthalene	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
4-Chloroaniline	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
Hexachlorobutadiene	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
4-Chloro-3-methylphenol	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
2-Methylnaphthalene	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
Hexachlorocyclopentadiene	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
2,4,6-Trichlorophenol	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
2,4,5-Trichlorophenol	ug/Kg	990 U	1000 U	890 U	850 U	1000 U	870 U	850 U	850 U	870 U	870 U
2-Chloronaphthalene	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
2-Nitroaniline	ug/Kg	990 U	1000 U	890 U	850 U	1000 U	870 U	850 U	850 U	870 U	870 U
Dimethylphthalate	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
Acenaphthylene	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
2,6-Dinitrotoluene	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
3-Nitroaniline	ug/Kg	990 U	1000 U	890 U	850 U	1000 U	870 U	850 U	850 U	870 U	870 U
Acenaphthene	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
2,4-Dinitrophenol	ug/Kg	990 U	1000 U	890 U	850 U	1000 U	870 U	850 U	850 U	870 U	870 U
4-Nitrophenol	ug/Kg	990 U	1000 U	890 U	850 U	1000 U	870 U	850 U	850 U	870 U	870 U
Dibenzofuran	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
2,4-Dinitrotoluene	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
Diethylphthalate	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
4-Chlorophenyl-phenylether	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
Fluorene	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
4-Nitroaniline	ug/Kg	990 U	1000 U	890 U	850 U	1000 U	870 U	850 U	850 U	870 U	870 U
4,6-Dinitro-2-methylphenol	ug/Kg	990 U	1000 U	890 U	850 U	1000 U	870 U	850 U	850 U	870 U	870 U
N-Nitrosodiphenylamine	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
4-Bromophenyl-phenylether	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
Hexachlorobenzene	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
Pentachlorophend	ug/Kg	990 U	1000 U	890 U	850 U	1000 U	870 U	850 U	850 U	870 U	870 U
Phenanthrene	ug/Kg	410 U	410 U	370 U	350 U	27 J	360 U	350 U	350 U	360 U	140 J
Anthracene	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	35 J
Carbazole	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	20 J
Di-n-butylphthalate	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
Fluoranthene	ug/Kg	410 U	410 U	370 U	350 U	42 J	360 U	350 U	350 U	360 U	240 J
Pyrene	ug/Kg	410 U	410 U	370 U	350 U	45 J	360 U	350 U	350 U	360 U	230 J
Butylbenzylphthalate	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
3,3'-Dichlorobenzidine	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
Benzo(a)anthracene	ug/Kg	410 U	410 U	370 U	350 U	22 J	360 U	350 U	350 U	360 U	110 J
Chrysene	ug/Kg	410 U	410 U	370 U	350 U	25 J	360 U	350 U	350 U	360 U	120 J
bis(2-Ethylhexyl)phthalate	ug/Kg	82 J	510 J	370 U	70 J	53 J	50 J	29 J	29 J	530	530
Di-n-octylphthalate	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	360 U
Benzo(b)fluoranthene	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	100 J
Benzo(k)fluoranthene	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	85 J
Benzo(a)pyrene	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	95 J
Indeno(1,2,3-cd)pyrene	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	75 J
Dibenz(a,h)anthracene	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	33 J
Benzo(g,h,i)perylene	ug/Kg	410 U	410 U	370 U	350 U	420 U	360 U	350 U	350 U	360 U	88 J

SENECA ARMY DEPOT
SEAD-43, 56, AND 69 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SOIL SEAD-43 0-0.2 06/10/94 SB43-1-00 223889 44725	SOIL SEAD-43 0-0.2 06/10/94 SB43-1-20 223893 44725 SB43-1-00DUP	SOIL SEAD-43 4-5 06/10/94 SB43-1-03 223891 44725	SOIL SEAD-43 14-16 06/10/94 SB43-1-08 223892 44725	SOIL SEAD-43 14-16 06/10/94 SB43-1-08RE 223892 44725	SOIL SEAD-43 0-0.2 06/10/94 SB43-2-00 223682 44694	SOIL SEAD-43 4-6 06/10/94 SB43-2-03 223684 44694	SOIL SEAD-43 10-12 06/10/94 SB43-2-06 223685 44694	SOIL SEAD-43 10-12 06/10/94 SB43-2-06RE 223685 44694	SOIL SEAD-43 0-0.2 06/09/94 SB43-3-00 223686 44694
PESTICIDES/PCB										
alpha-BHC	ug/Kg	2.1 U	2.1 U	1.9 U	1.8 U	2.2 U	1.8 U	1.8 U	1.8 U	1.8 U
beta-BHC	ug/Kg	2.1 U	2.1 U	1.9 U	1.8 U	2.2 U	1.8 U	1.8 U	1.8 U	1.8 U
delta-BHC	ug/Kg	2.1 U	2.1 U	1.9 U	1.8 U	2.2 U	1.8 U	1.8 U	1.8 U	1.8 U
gamma-BHC (Lindane)	ug/Kg	2.1 U	2.1 U	1.9 U	1.8 U	2.2 U	1.8 U	1.8 U	1.8 U	1.8 U
Heptachlor	ug/Kg	2.1 U	2.1 U	1.9 U	1.8 U	2.2 U	1.8 U	1.8 U	1.8 U	1.8 U
Aldrin	ug/Kg	2.1 U	2.1 U	1.9 U	1.8 U	2.2 U	1.8 U	1.8 U	1.8 U	1.8 U
Heptachlor epoxide	ug/Kg	2.1 U	2.1 U	1.9 U	1.8 U	2.2 U	1.8 U	1.8 U	1.8 U	1.8 U
Endosulfan I	ug/Kg	2.1 U	2.1 U	1.9 U	1.8 U	2.2 U	1.8 U	1.8 U	1.8 U	1.2 J
Dieldrin	ug/Kg	4.1 U	4.1 U	3.7 U	3.5 U	4.2 U	3.6 U	3.5 U	3.5 U	3.6 U
4,4'-DDE	ug/Kg	4.1 U	4.1 U	3.7 U	3.5 U	4.2 U	3.6 U	3.5 U	3.5 U	3.6 U
Endrin	ug/Kg	4.1 U	4.1 U	3.7 U	3.5 U	4.2 U	3.6 U	3.5 U	3.5 U	3.6 U
Endosulfan II	ug/Kg	4.1 U	4.1 U	3.7 U	3.5 U	4.2 U	3.6 U	3.5 U	3.5 U	3.6 U
4,4'-DDD	ug/Kg	4.1 U	4.1 U	3.7 U	3.5 U	4.2 U	3.6 U	3.5 U	3.5 U	3.6 U
Endosulfan sulfate	ug/Kg	4.1 U	4.1 U	3.7 U	3.5 U	4.2 U	3.6 U	3.5 U	3.5 U	3.6 U
4,4'-DDT	ug/Kg	4.1 U	4.1 U	3.7 U	3.5 U	4.2 U	3.6 U	3.5 U	3.5 U	3.6 U
Methoxychlor	ug/Kg	21 U	21 U	19 U	18 U	22 U	18 U	18 U	18 U	18 U
Endrin ketone	ug/Kg	4.1 U	4.1 U	3.7 U	3.5 U	4.2 U	3.6 U	3.5 U	3.5 U	3.6 U
Endrin aldehyde	ug/Kg	4.1 U	4.1 U	3.7 U	3.5 U	4.2 U	3.6 U	3.5 U	3.5 U	3.6 U
alpha-Chlordane	ug/Kg	2.1 U	2.1 U	1.9 U	1.8 U	2.2 U	1.8 U	1.8 U	1.8 U	1.8 U
gamma-Chlordane	ug/Kg	2.1 U	2.1 U	1.9 U	1.8 U	2.2 U	1.8 U	1.8 U	1.8 U	1.8 U
Toxaphene	ug/Kg	210 U	210 U	190 U	180 U	220 U	180 U	180 U	180 U	180 U
Aroclor-1016	ug/Kg	41 U	41 U	37 U	35 U	42 U	36 U	35 U	35 U	36 U
Aroclor-1221	ug/Kg	83 U	84 U	74 U	71 U	85 U	73 U	71 U	73 U	73 U
Aroclor-1232	ug/Kg	41 U	41 U	37 U	35 U	42 U	36 U	35 U	35 U	36 U
Aroclor-1242	ug/Kg	41 U	41 U	37 U	35 U	42 U	36 U	35 U	35 U	36 U
Aroclor-1246	ug/Kg	41 U	41 U	37 U	35 U	42 U	36 U	35 U	35 U	36 U
Aroclor-1254	ug/Kg	41 U	41 U	37 U	35 U	42 U	36 U	35 U	35 U	36 U
Aroclor-1260	ug/Kg	41 U	41 U	37 U	35 U	42 U	36 U	35 U	35 U	36 U
METALS										
Aluminum	mg/Kg	20800	15700	8620	16200	14700 J	11600 J	12800 J	12800 J	10900 J
Antimony	mg/Kg	0.23 UJ	0.26 UJ	0.19 UJ	0.21 UJ	0.32 UJ	0.24 J	0.23 UJ	0.24 J	0.24 J
Arsenic	mg/Kg	6.1	5.4	3.9	6.2	6.1	5.4	5.5	5.5	5.3
Barium	mg/Kg	145	112	46	54.8	104 J	72.1 J	70.9 J	70.9 J	60.3 J
Beryllium	mg/Kg	0.86 J	0.77 J	0.41 J	0.73 J	0.69 J	0.52 J	0.58 J	0.58 J	0.44 J
Cadmium	mg/Kg	0.96	0.85 J	0.91	0.98	0.68 J	0.71 J	0.64 J	0.64 J	0.58 J
Calcium	mg/Kg	8980	7830	87800	48900	11800 J	69200 J	77400 J	77400 J	41900 J
Chromium	mg/Kg	26.2	21.6	13.3	25.7	21.2 J	18.5 J	20.5 J	20.5 J	15.7 J
Cobalt	mg/Kg	10.9	9 J	7.2 J	13.1	9.3 J	10.2 J	10.8 J	10.8 J	8.2 J
Copper	mg/Kg	21.8	21.4	24.5	24.7	21 J	22.8 J	20.3 J	20.3 J	23.6 J
Iron	mg/Kg	26800	25400	17200	30900	26800 J	23000 J	24900 J	24900 J	19200 J
Lead	mg/Kg	19.2	18.6	7.8	6.8	19.8	8.2	8.8	8.8	19.1
Magnesium	mg/Kg	5440	5400	17600	11500	6080 J	18500 J	12700 J	12700 J	20000 J
Manganese	mg/Kg	782	502	387	510	546 J	416 J	493 J	493 J	593 J
Mercury	mg/Kg	0.06 J	0.07 J	0.01 J	0.02 J	0.06 J	0.03 J	0.03 J	0.03 J	0.06 J
Nickel	mg/Kg	28.1	26.2	22.8	41.5	26.7 J	31.6 J	33.3 J	33.3 J	20.6 J
Potassium	mg/Kg	3560 J	2050 J	2000 J	2670 J	2060	2160	2630	2630	2550
Selenium	mg/Kg	1.1	0.85 J	0.39 U	0.54 J	1.3	0.43 U	0.47 U	0.47 U	0.48 J
Silver	mg/Kg	0.09 U	0.1 U	0.07 U	0.08 U	0.12 UJ	0.08 UJ	0.09 UJ	0.09 UJ	0.09 UJ
Sodium	mg/Kg	17.8 U	19.6 U	88.3 J	138 J	24.8 U	101 J	151 J	151 J	27.5 J
Thallium	mg/Kg	0.34 U	0.37 U	0.28 U	0.31 U	0.47 U	0.3 U	0.33 U	0.33 U	0.33 U
Vanadium	mg/Kg	36.7	27	17.6	23.8	27 J	18.8 J	20.1 J	20.1 J	21.1 J
Zinc	mg/Kg	98.8	92	116	122	91.1 J	94.7 J	59.9 J	59.9 J	121 J
Cyanide	mg/Kg	0.58 U	0.58 U	0.58 U	0.48 U	0.58 U	0.48 U	0.34 U	0.34 U	0.45 U
OTHER ANALYSES										
Nitrate/Nitrite-Nitrogen	mg/Kg	0.94 J	0.22 J	0.26	0.04 U	0.01 U	0.03	0.01 U	0.01 U	0.08
Total Petroleum Hydrocarbons	mg/Kg									
Total Solids	%W/W	80.7	80.5	89.6	94	78.6	91.6	94.4	94.4	92

SENECA ARMY DEPOT
SEAD-43, 56, AND 69 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-43 2-4 06/09/94 SB43-3-02 223687 44694	SOIL SEAD-43 4-5.5 08/09/94 SB43-3-03 223688 44694	SOIL SEAD-43 1.0-1.5 02/17/94 SB43-4.01 211724 42460	SOIL SEAD-43 2-4 02/17/94 SB43-4.02 211725 42460	SOIL SEAD-43 2-4 02/17/94 SB43-4.20 211727 42460	SOIL SEAD-43 1.0-1.2 02/18/94 SB43-4.07 211726 42460	SOIL SEAD-43 1.0-1.2 02/18/94 SB43-4.07RE 211726 42460	SOIL SEAD-56 0-0.2 05/23/94 SB56-1-00 222124 44090	SOIL SEAD-56 4-6 05/23/94 SB56-1-03 222125 44090	SOIL SEAD-56 12-13 05/23/94 SB56-1-07 222126 44090
VOLATILE ORGANICS										
Chloromethane	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 UJ
Bromomethane	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 UJ
Vinyl Chloride	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 UJ
Chloroethane	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 UJ
Methylene Chloride	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	4 J
Acetone	ug/Kg	13 U	11 U	15 U	12 U	12 U	52 U R	20 UJ	11 U	19 U
Carbon Disulfide	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 UJ
1,1-Dichloroethane	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 UJ
1,1-Dichloroethane	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 UJ
1,2-Dichloroethane (total)	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 UJ
Chloroform	ug/Kg	13 U	11 U	3 J	4 J	4 J	11 U R	11 UJ	11 U	11 UJ
1,2-Dichloroethane	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 UJ
2-Butanone	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 UJ
1,1,1-Trichloroethane	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 UJ
Carbon Tetrachloride	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 UJ
Bromodichloromethane	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 UJ
1,2-Dichloropropane	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 UJ
cis-1,3-Dichloropropane	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 UJ
Trichloroethene	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 UJ
Dibromochloromethane	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 UJ
1,1,2-Trichloroethane	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 UJ
Benzene	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 UJ
trans-1,3-Dichloropropene	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 UJ
Bromoform	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 UJ
4-Methyl-2-Pentanone	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 UJ
2-Hexanone	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 UJ
Tetrachloroethene	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 UJ
1,1,2,2-Tetrachloroethane	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 UJ
Toluene	ug/Kg	13 U	11 U	3 J	12 U	12 U	11 J	11 J	11 U	2 J
Chlorobenzene	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 UJ
Ethylbenzene	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 UJ
Styrene	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 UJ
Xylene (total)	ug/Kg	13 U	11 U	4 J	12 U	12 U	12 J	12 J	11 U	11 UJ
HERBICIDES										
2,4-D	ug/Kg	60 U	55 U	59 U	61 U	61 U	54 U	65 U	56 U	53 U
2,4-DB	ug/Kg	60 U	55 U	59 U	61 U	61 U	54 U	65 U	56 U	53 U
2,4,5-T	ug/Kg	8 U	5.5 U	5.9 U	6.1 U	6.1 U	5.4 U	6.5 U	5.6 U	5.3 U
2,4,5-TP (Silvex)	ug/Kg	8 U	5.5 U	5.9 U	6.1 U	6.1 U	5.4 U	6.5 U	5.6 U	5.3 U
Dalapon	ug/Kg	143 U	140 U	150 U	150 U	150 U	130 U	160 U	140 U	130 U
Dicamba	ug/Kg	6 U	5.5 U	5.9 U	6.1 U	6.1 U	5.4 U	6.5 U	5.6 U	5.3 U
Dichloroprop	ug/Kg	60 U	55 U	59 U	61 U	61 U	54 U	65 U	56 U	53 U
Dinoseb	ug/Kg	30 U	28 U	30 U	31 U	31 U	27 U	33 U	28 U	27 U
MCPA	ug/Kg	6000 U	5500 U	5900 U	6100 U	6100 U	5400 U	6500 U	5600 U	5300 U
MCPP	ug/Kg	7700	5500 U	5900 U	6100 U	6100 U	5400 U	6500 U	5600 U	5300 U
NITROAROMATICS										
HMX	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
RDX	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
1,3,5-Trinitrobenzene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
1,3-Dinitrobenzene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
Tetryl	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,4,6-Trinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
4-amino-2,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2-amino-4,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,4-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U

SENECA ARMY DEPOT
SEAD-43, 56, AND 69 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-43 2-4 06/09/94 SB43-3-02 223687 44694	SOIL SEAD-43 4-5.5 06/09/94 SB43-3-03 223688 44694	SOIL SEAD-43 1.0-1.5 02/17/94 SB43-4.01 211724 42460	SOIL SEAD-43 2-4 02/17/94 SB43-4.02 211725 42460	SOIL SEAD-43 2-4 02/17/94 SB43-4.20 211727 42460	SOIL SEAD-43 1.0-1.2 02/18/94 SB43-4.07 211726 42460	SOIL SEAD-43 1.0-1.2 02/18/94 SB43-4.07RE 211726 42460	SOIL SEAD-56 0-0.2 05/23/94 SB56-1-00 222124 44090	SOIL SEAD-56 4-6 05/23/94 SB56-1-03 222125 44090	SOIL SEAD-56 12-13 05/23/94 SB56-1-07 222126 44090
COMPOUND	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
SEMIVOLATILE ORGANICS										
Phend	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
bis(2-Chloroethyl) ether	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
2-Chlorophend	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
1,3-Dichlorobenzene	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
1,4-Dichlorobenzene	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
1,2-Dichlorobenzene	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
2,2-Methylphend	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
2,2-oxybis(1-Chloropropane)	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
4-Methylphend	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
N-Nitroso-d-n-propylamine	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
Hexachloroethane	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
Nitrobenzene	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
Isophorone	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
2-Nitrophenol	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
2,4-Dimethylphenol	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
bis(2-Chloroethoxy) methane	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
2,4-Dichlorophenol	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
1,2,4-Trichlorobenzene	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
Naphthalene	ug/Kg	390 U	360 U	140 J	200 J	400 U	350 U	430 U	370 U	350 U
4-Chloroaniline	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
Hexachlorobutadiene	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
4-Chloro-3-methylphenol	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
2-Methylnaphthalene	ug/Kg	390 U	360 U	46 J	88 J	400 U	350 U	430 U	370 U	350 U
Hexachlorocyclopentadiene	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
2,4,6-Trichlorophenol	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
2,4,5-Trichlorophenol	ug/Kg	950 U	880 U	1200 U	2800 U	980 U	860 U	1000 U	890 U	850 U
2-Chloronaphthalene	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
2-Nitroaniline	ug/Kg	950 U	880 U	1200 U	2800 U	980 U	860 U	1000 U	890 U	850 U
Dimethylphthalate	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
Aceraphthylene	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
2,6-Dinitrotoluene	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
3-Nitroaniline	ug/Kg	950 U	880 U	1200 U	2800 U	980 U	860 U	1000 U	890 U	850 U
Aceraphthene	ug/Kg	390 U	360 U	300 J	570 J	400 U	350 U	430 U	370 U	350 U
2,4-Dinitrophenol	ug/Kg	950 U	880 U	1200 U	2800 U	980 U	860 U	1000 U	890 U	850 U
4-Nitrophenol	ug/Kg	950 U	880 U	1200 U	2800 U	980 U	860 U	1000 U	890 U	850 U
Dibenzofuran	ug/Kg	390 U	360 U	170 J	310 J	400 U	350 U	430 U	370 U	350 U
2,4-Dinitrotoluene	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
Diethylphthalate	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
4-Chlorophenyl-phenylether	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
Fluorene	ug/Kg	390 U	360 U	320 J	610 J	400 U	350 U	430 U	370 U	350 U
4-Nitroaniline	ug/Kg	950 U	880 U	1200 U	2800 U	980 U	860 U	1000 U	890 U	850 U
4,6-Dinitro-2-methylphenol	ug/Kg	950 U	880 U	1200 U	2800 U	980 U	860 U	1000 U	890 U	850 U
N-Nitrosodiphenylamine	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
4-Bromophenyl-phenylether	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
Hexachlorobenzene	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
Pentachlorophend	ug/Kg	950 U	880 U	1200 U	2800 U	980 U	860 U	1000 U	890 U	850 U
Phenanthrene	ug/Kg	390 U	360 U	2600	5200 J	82 J	350 U	430 U	370 U	350 U
Anthracene	ug/Kg	390 U	360 U	700	1300 J	21 J	350 U	430 U	370 U	350 U
Carbazole	ug/Kg	390 U	360 U	350 J	620 J	400 U	350 U	430 U	370 U	350 U
Di-n-butylphthalate	ug/Kg	390 U	360 U	48 J	1100 U	400 U	350 U	430 U	370 U	350 U
Fluoranthene	ug/Kg	390 U	360 U	3200	6300 J	96 J	350 U	430 U	370 U	350 U
Pyrene	ug/Kg	390 U	360 U	2700	4700 J	80 J	350 U	430 U	370 U	350 U
Butylbenzylphthalate	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
3,3'-Dichlorobenzidine	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
Benzo(a)anthracene	ug/Kg	390 U	360 U	1200	2400 J	38 J	350 U	430 U	370 U	350 U
Chrysene	ug/Kg	390 U	360 U	1200	2400 J	38 J	350 U	430 U	370 U	350 U
bis(2-Ethylhexyl)phthalate	ug/Kg	36 J	2100	2700	700 J	540	1300	280 J	89 J	350 U
Di-n-octylphthalate	ug/Kg	390 U	360 U	520 U	1100 U	400 U	350 U	430 U	370 U	350 U
Benzo(b)fluoranthene	ug/Kg	390 U	360 U	1000	1600 J	26 J	350 U	430 U	370 U	350 U
Benzo(k)fluoranthene	ug/Kg	390 U	360 U	960	2000 J	30 J	350 U	430 U	370 U	350 U
Benzo(a)pyrene	ug/Kg	390 U	360 U	1200	2000 J	29 J	350 U	430 U	370 U	350 U
Indeno(1,2,3-cd)pyrene	ug/Kg	390 U	360 U	660	1200 J	400 U	350 U	430 U	370 U	350 U
Dibenzo(a,h)anthracene	ug/Kg	390 U	360 U	300 J	520 J	400 U	350 U	430 U	370 U	350 U
Benzo(g,h,i)perylene	ug/Kg	390 U	360 U	730	1300 J	400 U	350 U	430 U	370 U	350 U

SENECA ARMY DEPOT
SEAD-43, 56, AND 69 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION	SOIL SEAD-43	SOIL SEAD-43	SOIL SEAD-43	SOIL SEAD-43	SOIL SEAD-43	SOIL SEAD-43	SOIL SEAD-43	SOIL SEAD-43	SOIL SEAD-56	SOIL SEAD-56	SOIL SEAD-56
DEPTH (FEET)	2-4	4-5.5	1.0-1.5	2-4	2-4	2-4	1.0-1.2	1.0-1.2	0-0.2	4-6	12-13
SAMPLE DATE	06/09/94	06/09/94	02/17/94	02/17/94	02/17/94	02/18/94	02/18/94	02/18/94	05/23/94	05/23/94	05/23/94
ES ID	SB43-3-02	SB43-3-03	SB43-4.01	SB43-4.02	SB43-4.20	SB43-4.07	SB43-4.07	SB43-4.07	SB56-1-00	SB56-1-03	SB56-1-07
LAB ID	223687	223688	211724	211725	211727	211726	211726	211726	222124	222125	222126
SDG NUMBER	44694	44694	42460	42460	42460	42460	42460	42460	44090	44090	44090
COMPOUND	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2 U	1.9 U	2 U	2.1 U	2.1 U	1.8 U	2.2 U	1.9 U	1.9 U	1.8 U
beta-BHC	ug/Kg	2 U	1.9 U	2 U	2.1 U	2.1 U	1.8 U	2.2 U	1.9 U	1.9 U	1.8 U
delta-BHC	ug/Kg	2 U	1.9 U	2 U	2.1 U	2.1 U	1.8 U	2.2 U	1.9 U	1.9 U	1.8 U
gamma-BHC (Lindane)	ug/Kg	2 U	1.9 U	2 U	2.1 U	2.1 U	1.8 U	2.2 U	1.9 U	1.9 U	1.8 U
Heptachlor	ug/Kg	2 U	1.9 U	2 U	2.1 U	2.1 U	1.8 U	2.2 U	1.9 U	1.9 U	1.8 U
Aldrin	ug/Kg	2 U	1.9 U	2 U	2.1 U	2.1 U	1.8 U	2.2 U	1.9 U	1.9 U	1.8 U
Heptachlor epoxide	ug/Kg	2 U	1.9 U	2 U	2.1 U	2.1 U	1.8 U	2.2 U	1.9 U	1.9 U	1.8 U
Endosulfan I	ug/Kg	2 U	1.9 U	2 U	2.1 U	2.1 U	1.8 U	2.2 U	1.9 U	1.9 U	1.8 U
Dieldrin	ug/Kg	3.9 U	3.6 U	3.9 U	4 U	4 U	3.5 U	4.3 U	3.7 U	3.7 U	3.5 U
4,4'-DDE	ug/Kg	3.9 U	3.6 U	3.9 U	4 U	4 U	3.5 U	4.3 U	3.7 U	3.7 U	3.5 U
Endrin	ug/Kg	3.9 U	3.6 U	3.9 U	4 U	4 U	3.5 U	4.3 U	3.7 U	3.7 U	3.5 U
Endosulfan II	ug/Kg	3.9 U	3.6 U	3.9 U	4 U	4 U	3.5 U	4.3 U	3.7 U	3.7 U	3.5 U
4,4'-DDD	ug/Kg	3.9 U	3.6 U	3.9 U	4 U	4 U	3.5 U	4.3 U	3.7 U	3.7 U	3.5 U
Endosulfan sulfate	ug/Kg	3.9 U	3.6 U	3.9 U	4 U	4 U	3.5 U	4.3 U	3.7 U	3.7 U	3.5 U
4,4'-DDT	ug/Kg	3.9 U	3.6 U	3.9 U	4 U	4 U	3.5 U	4.3 U	3.7 U	3.7 U	3.5 U
Methoxychlor	ug/Kg	20 U	19 U	20 U	21 U	21 U	18 U	22 U	19 U	19 U	18 U
Endrin ketone	ug/Kg	3.9 U	3.6 U	3.9 U	4 U	4 U	3.5 U	4.3 U	3.7 U	3.7 U	3.5 U
Endrin aldehyde	ug/Kg	3.9 U	3.6 U	3.9 U	4 U	4 U	3.5 U	4.3 U	3.7 U	3.7 U	3.5 U
alpha-Chlordane	ug/Kg	2 U	1.9 U	2.4 J	2.1 U	2.1 U	1.8 U	2.2 U	1.9 U	1.9 U	1.8 U
gamma-Chlordane	ug/Kg	2 U	1.9 U	2 U	2.1 U	2.1 U	1.8 U	2.2 U	1.9 U	1.9 U	1.8 U
Toxaphene	ug/Kg	200 U	190 U	200 U	210 U	210 U	180 U	220 U	190 U	190 U	180 U
Aroclor-1016	ug/Kg	39 U	36 U	39 U	40 U	40 U	35 U	43 U	37 U	37 U	35 U
Aroclor-1221	ug/Kg	80 U	74 U	79 U	82 U	82 U	72 U	87 U	74 U	74 U	71 U
Aroclor-1232	ug/Kg	39 U	36 U	39 U	40 U	40 U	35 U	43 U	37 U	37 U	35 U
Aroclor-1242	ug/Kg	39 U	36 U	39 U	40 U	40 U	35 U	43 U	37 U	37 U	35 U
Aroclor-1248	ug/Kg	39 U	36 U	39 U	40 U	40 U	35 U	43 U	37 U	37 U	35 U
Aroclor-1254	ug/Kg	39 U	36 U	39 U	40 U	40 U	35 U	43 U	37 U	37 U	35 U
Aroclor-1260	ug/Kg	39 U	36 U	39 U	40 U	40 U	35 U	43 U	37 U	37 U	35 U
METALS											
Aluminum	mg/Kg	27000 J	10600 J	13300 J	15500 J	15200 J	15200 J	4620	11700	11700	13200
Antimony	mg/Kg	0.26 J	0.25 UJ	4.6 J	7.2 J	4.9 UJ	3.3 J	0.21 UJ	0.19 UJ	0.19 UJ	0.19 UJ
Arsenic	mg/Kg	4.3	4	6 J	6.5 J	4.8 J	4 J	3.5	6	6	3.5
Barium	mg/Kg	175 J	62.2 J	92.1 J	123 J	121 J	49.9 J	26 J	70.7	70.7	49.7
Beryllium	mg/Kg	1.2	0.48 J	0.56 J	0.72 J	0.74 J	0.72	0.22 J	0.59 J	0.59 J	0.6 J
Cadmium	mg/Kg	0.7 J	0.58 J	0.41 U	0.51 U	0.46 U	0.26 U	1.5	0.76 J	0.76 J	0.7 J
Calcium	mg/Kg	7280 J	62400 J	60500 J	6420 J	15900 J	21500 J	62200	51500	51500	31200
Chromium	mg/Kg	30.7 J	18.8 J	23.1	23.9	22.3	25.7	7.1	18.6	18.6	22.8
Cobalt	mg/Kg	6.7 J	8.5 J	8.7 J	13.4	11.3 J	15.7	3.8 J	10.7	10.7	13.6
Copper	mg/Kg	23.8 J	22.5 J	23.8	26	23.4	26.1	18.8	24.5	24.5	25.6
Iron	mg/Kg	26100 J	20700 J	23900 J	30700 J	29500 J	31000 J	10900	26300	26300	29000
Lead	mg/Kg	12.7	9	15.9	11.8	13.8	15.6	30.2	11.1	11.1	17.1
Magnesium	mg/Kg	5210 J	13400 J	18800 J	6050 J	7270 J	8540 J	29500	11700	11700	8440
Manganese	mg/Kg	182 J	453 J	530 R	1100 R	724 R	479 R	529	575	575	404
Mercury	mg/Kg	0.05 J R	0.04 J R	0.04 J	0.06 J	0.05 J	0.02 J	0.02 J	0.02 J	0.02 J	0.01 U
Nickel	mg/Kg	27 J	29.1 J	27	43.8	32.7	53.4	10.9	32.5	32.5	41.5
Potassium	mg/Kg	3130	2070	1940	1740	1590	1580	1020 J	1180	1180	1430
Selenium	mg/Kg	1.1	0.52 U	0.17 UJ	0.2 UJ	0.17 J	1.8 J	0.35 U	0.51 J	0.51 J	1
Silver	mg/Kg	0.08 UJ	0.1 UJ	0.82 U	1 U	0.96 U	0.51 U	0.14 UJ	0.13 UJ	0.13 UJ	0.13 UJ
Sodium	mg/Kg	72.5 J	96.5 J	128 J	65 J	82.5 J	98.5 J	100 J	94.6 J	94.6 J	94.6 J
Thallium	mg/Kg	0.3 U	0.36 U	0.18 U	1.1 U	0.18 U	0.21 U	0.33 U	0.31 U	0.31 U	0.3 U
Vanadium	mg/Kg	41.8 J	18.3 J	24.6	26.8	28.2	21.3	10.2 J	18	18	17.9
Zinc	mg/Kg	94 J	89.8 J	71.7 J	79.6 J	84.4 J	126 J	295	84.6	84.6	83.6
Cyanide	mg/Kg	0.49 U	0.37 U	0.56 U	0.54 U	0.59 U	0.51 U	0.61 U	0.42 U	0.42 U	0.53 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg	0.64	0.12	1.63	1.25	1.18	0.13	0.58	0.18	0.18	0.04
Total Petroleum Hydrocarbons	mg/Kg			32 U	42 J	31 U	28 U				
Total Solids	%W/W	83.8	90.6	84.8	82.1	82.2	92.8	77.4	90.4	90.4	94.1

SENECA ARMY DEPOT
SEAD-43, 56, AND 69 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
DEPTH (FEET)	SEAD-56	SEAD-56	SEAD-56	SEAD-56	SEAD-56	SEAD-56	SEAD-56	SEAD-56	SEAD-56	SEAD-69	SEAD-69	
SAMPLE DATE	12-13	0-0.2	4-6	8-10	0-0.2	6-8	14-16	0-0.2	8-10	0-0.2	8-10	
ES ID	05/23/94	05/23/94	05/23/94	05/23/94	05/18/94	05/18/94	05/18/94	05/17/94	05/17/94	05/17/94	05/17/94	
LAB ID	SB56-1-07RE	SB56-2-00	SB56-2-03	SB56-2-05	SB56-3-00	SB56-3-04	SB56-3-08	SB69-1-00	SB69-1-20	SB69-1-05	SB69-1-05	
SDG NUMBER	222126	222127	222128	222129	221480	221481	221482	221354	221355	221483	221483	
COMPOUND UNITS	44090	44090	44345	44345	44090	44090	44090	44090	44090	44090	44090	
											SB69-1-00DUP	
VOLATILE ORGANICS												
Chloromethane	ug/Kg	11 U R	11 U	12 U	11 U	12 U	11 U	11 U	11 U	15 U	14 U	11 U
Bromomethane	ug/Kg	11 U R	11 U	12 U	11 U	12 U	11 U	11 U	11 U	15 U	14 U	11 U
Vinyl Chloride	ug/Kg	11 U R	11 U	12 U	11 U	12 U	11 U	11 U	11 U	15 U	14 U	11 U
Chloroethane	ug/Kg	11 U R	11 U	12 U	11 U	12 U	11 U	11 U	11 U	15 U	14 U	11 U
Methylene Chloride	ug/Kg	3 J	11 U	12 U	11 U	12 U	11 U	3 J	11 U	15 U	14 U	11 U
Acetone	ug/Kg	11 U R	11 U	5 J	5 J	12 U	11 U	11 U	11 U	15 U	14 U	11 U
Carbon Disulfide	ug/Kg	11 U R	11 U	12 U	11 U	12 U	11 U	11 U	11 U	15 U	14 U	11 U
1,1-Dichloroethane	ug/Kg	11 U R	11 U	12 U	11 U	12 U	11 U	11 U	11 U	15 U	14 U	11 U
1,1-Dichloroethane	ug/Kg	11 U R	11 U	12 U	11 U	12 U	11 U	11 U	11 U	15 U	14 U	11 U
1,2-Dichloroethane (total)	ug/Kg	11 U R	11 U	12 U	11 U	12 U	11 U	11 U	11 U	15 U	14 U	11 U
Chloroform	ug/Kg	11 U R	11 U	12 U	11 U	12 U	11 U	11 U	11 U	15 U	14 U	11 U
1,2-Dichloroethane	ug/Kg	11 U R	11 U	12 U	11 U	12 U	11 U	11 U	11 U	15 U	14 U	11 U
2-Butanone	ug/Kg	11 U R	11 U	12 U	11 U	12 U	11 U	11 U	11 U	15 U	14 U	11 U
1,1,1-Trichloroethane	ug/Kg	11 U R	11 U	12 U	11 U	12 U	11 U	11 U	11 U	15 U	14 U	11 U
Carbon Tetrachloride	ug/Kg	11 U R	11 U	12 U	11 U	12 U	11 U	11 U	11 U	15 U	14 U	11 U
Bromodichloromethane	ug/Kg	11 U R	11 U	12 U	11 U	12 U	11 U	11 U	11 U	15 U	14 U	11 U
1,2-Dichloropropane	ug/Kg	11 U R	11 U	12 U	11 U	12 U	11 U	11 U	11 U	15 U	14 U	11 U
cis-1,3-Dichloropropene	ug/Kg	11 U R	11 U	12 U	11 U	12 U	11 U	11 U	11 U	15 U	14 U	11 U
Trichloroethane	ug/Kg	11 U R	11 U	12 U	11 U	12 U	11 U	11 U	11 U	15 U	14 U	11 U
Dibromochloromethane	ug/Kg	11 U R	11 U	12 U	11 U	12 U	11 U	11 U	11 U	15 U	14 U	11 U
1,1,2-Trichloroethane	ug/Kg	11 U R	11 U	12 U	11 U	12 U	11 U	11 U	11 U	15 U	14 U	11 U
Benzene	ug/Kg	11 U R	11 U	12 U	11 U	12 U	11 U	11 U	11 U	15 U	14 U	11 U
trans-1,3-Dichloropropene	ug/Kg	11 U R	11 U	12 U	11 U	12 U	11 U	11 U	11 U	15 U	14 U	11 U
Bromofom	ug/Kg	11 U R	11 U	12 U	11 U	12 U	11 U	11 U	11 U	15 U	14 U	11 U
4-Methyl-2-Pentanone	ug/Kg	11 U R	11 U	12 U	11 U	12 U	11 U	11 U	11 U	15 U	14 U	11 U
2-Hexanone	ug/Kg	11 U R	11 U	12 U	11 U	12 U	11 U	11 U	11 U	15 U	14 U	11 U
Tetrachloroethane	ug/Kg	11 U R	11 U	12 U	11 U	12 U	11 U	11 U	11 U	15 U	14 U	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	11 U R	11 U	12 U	11 U	12 U	11 U	11 U	11 U	15 U	14 U	11 U
Toluene	ug/Kg	2 J	11 U	12 U	11 U	12 U	11 U	2 J	11 U	15 U	14 U	11 U
Chlorobenzene	ug/Kg	11 U R	11 U	12 U	11 U	12 U	11 U	11 U	11 U	15 U	14 U	11 U
Ethylbenzene	ug/Kg	11 U R	11 U	12 U	11 U	12 U	11 U	11 U	11 U	15 U	14 U	11 U
Styrene	ug/Kg	11 U R	11 U	12 U	11 U	12 U	11 U	11 U	11 U	15 U	14 U	11 U
Xylene (total)	ug/Kg	11 U R	11 U	12 U	11 U	12 U	11 U	11 U	11 U	15 U	14 U	11 U
HERBICIDES												
2,4-D	ug/Kg		59 U	58 U	58 U	61 U	61 U	54 U	54 U	74 U	75 U	57 U
2,4-DB	ug/Kg		59 U	58 U	58 U	61 U	61 U	54 U	54 U	74 U	75 U	57 U
2,4,5-T	ug/Kg		5.9 U	5.8 U	5.6 U	6.1 U	6.1 U	5.4 U	5.4 U	7.4 U	7.5 U	5.7 U
2,4,5-TP (Silvex)	ug/Kg		5.9 U	5.8 U	5.6 U	6.1 U	6.1 U	5.4 U	5.4 U	7.4 U	7.5 U	5.7 U
Dalapon	ug/Kg		140 U	140 U	140 U	150 U	150 U	130 U	130 U	180 U	180 U	140 U
Dicamba	ug/Kg		5.9 U	5.8 U	5.6 U	6.1 U	6.1 U	5.4 U	5.4 U	7.4 U	7.5 U	5.7 U
Dichloroprop	ug/Kg		59 U	58 U	56 U	61 U	61 U	54 U	54 U	74 U	75 U	57 U
Dinoseb	ug/Kg		30 U	29 U	28 U	31 U	31 U	27 U	27 U	37 U	38 U	29 U
MCPA	ug/Kg		5900 U	5800 U	5600 U	6100 U	6100 U	5400 U	5400 U	7400 U	7500 U	5700 U
MCPP	ug/Kg		5900 U	5800 U	5600 U	6100 U	6100 U	5400 U	5400 U	7400 U	7500 U	5700 U
NITROAROMATICS												
HMX	ug/Kg		130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
RDX	ug/Kg		130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
1,3,5-Trinitrobenzene	ug/Kg		130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
1,3-Dinitrobenzene	ug/Kg		130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
Tetryl	ug/Kg		130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,4,6-Trinitrotoluene	ug/Kg		130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
4-amino-2,6-Dinitrotoluene	ug/Kg		130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2-amino-4,6-Dinitrotoluene	ug/Kg		130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,6-Dinitrotoluene	ug/Kg		130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,4-Dinitrotoluene	ug/Kg		130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U

SENECA ARMY DEPOT
SEAD-43, 56, AND 69 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-56 12-13 05/23/94 SB56-1-07RE 222126 44090	SOIL SEAD-56 0-0.2 05/23/94 SB56-2-00 222127 44090	SOIL SEAD-56 4-6 05/23/94 SB56-2-03 222128 44345	SOIL SEAD-56 6-10 05/23/94 SB56-2-05 222129 44345	SOIL SEAD-56 0-0.2 05/18/94 SB56-3-00 221480 44090	SOIL SEAD-56 6-8 05/18/94 SB56-3-04 221481 44090	SOIL SEAD-56 14-16 05/18/94 SB56-3-08 221482 44090	SOIL SEAD-69 0-0.2 05/17/94 SB69-1-00 221354 44090	SOIL SEAD-69 0-0.2 05/17/94 SB69-1-20 221355 44090	SOIL SEAD-69 8-10 05/17/94 SB69-1-05 221483 44090	SOIL SEAD-69 8-10 05/17/94 SB69-1-05 221483 44090
COMPOUND	UNITS										
SEMIVOLATILE ORGANICS											
Phend	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
bis(2-Chloroethyl) ether	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
2-Chlorophend	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
1,3-Dichlorobenzene	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
1,4-Dichlorobenzene	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
1,2-Dichlorobenzene	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
2-Methylphenol	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
4-Methylphenol	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
N-Nitroso-di-n-propylamine	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
Hexachloroethane	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
Nitrobenzene	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
Isophorone	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
2-Nitrophenol	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
2,4-Dimethylphenol	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
bis(2-Chloroethoxy) methane	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
2,4-Dichlorophenol	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
1,2,4-Trichlorobenzene	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
Naphthalene	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
4-Chloroaniline	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
Hexachlorobutadiene	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
4-Chloro-3-methylphenol	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
2-Methylnaphthalene	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
Hexachlorocyclopentadiene	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
2,4,6-Trichlorophenol	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
2,4,5-Trichlorophenol	ug/Kg	930 U	930 U	890 U	970 U	960 U	860 U	1200 U	1200 U	890 U	890 U
2-Chloronaphthalene	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
2-Nitroaniline	ug/Kg	930 U	930 U	890 U	970 U	960 U	860 U	1200 U	1200 U	890 U	890 U
Dimethylphthalate	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
Acenaphthylene	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
2,6-Dinitrotoluene	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
3-Nitroaniline	ug/Kg	930 U	930 U	890 U	970 U	960 U	860 U	1200 U	1200 U	890 U	890 U
Acenaphthene	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
2,4-Dinitrophenol	ug/Kg	930 U	930 U	890 U	970 U	960 U	860 U	1200 U	1200 U	890 U	890 U
4-Nitrophenol	ug/Kg	930 U	930 U	890 U	970 U	960 U	860 U	1200 U	1200 U	890 U	890 U
Dibenzofuran	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
2,4-Dinitrotoluene	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
Diethylphthalate	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
4-Chlorophenyl-phenylether	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
Fluorene	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
4-Nitroaniline	ug/Kg	930 U	930 U	890 U	970 U	960 U	860 U	1200 U	1200 U	890 U	890 U
4,6-Dinitro-2-methylphenol	ug/Kg	930 U	930 U	890 U	970 U	960 U	860 U	1200 U	1200 U	890 U	890 U
N-Nitrosodiphenylamine	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
4-Bromophenyl-phenylether	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
Hexachlorobenzene	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
Pentachlorophenol	ug/Kg	930 U	930 U	890 U	970 U	960 U	860 U	1200 U	1200 U	890 U	890 U
Phenanthrene	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
Anthracene	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
Carbazole	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
Di-n-butylphthalate	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
Fluoranthene	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
Pyrene	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
Butylbenzylphthalate	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
3,3'-Dichlorobenzidine	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
Benzo(a)anthracene	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
Chrysene	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
bis(2-Ethylhexyl)phthalate	ug/Kg	81 J	40 J	32 J	1300	400 U	350 U	490 U	490 U	370 U	370 U
Di-n-octylphthalate	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
Benzo(b)fluoranthene	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
Benzo(k)fluoranthene	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
Benzo(a)pyrene	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
Indeno(1,2,3-cd)pyrene	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
Dibenz(a,h)anthracene	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U
Benzo(g,h,i)perylene	ug/Kg	380 U	380 U	370 U	400 U	400 U	350 U	490 U	490 U	370 U	370 U

SENECA ARMY DEPOT
SEAD-43, 56, AND 69 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER COMPOUND	SOIL SEAD-56 12-13 05/23/94 SB56-1-07RE 222128 44090	SOIL SEAD-58 0-0.2 05/23/94 SB56-2-00 222127 44090	SOIL SEAD-56 4-6 05/23/94 SB56-2-03 222128 44345	SOIL SEAD-56 8-10 05/23/94 SB56-2-05 222129 44345	SOIL SEAD-56 0-0.2 05/18/94 SB56-3-00 221480 44090	SOIL SEAD-56 6-8 05/18/94 SB56-3-04 221481 44090	SOIL SEAD-56 14-16 05/18/94 SB56-3-08 221482 44090	SOIL SEAD-69 0-0.2 05/17/94 SB69-1-00 221355 44090	SOIL SEAD-69 0-0.2 05/17/94 SB69-1-20 221355 44090	SOIL SEAD-69 8-10 05/17/94 SB69-1-05 221483 44090
PESTICIDES/PCB										
alpha-BHC	ug/Kg	2 U	2 U	1.9 U	2.1 U	2 U	1.8 U	2.5 U	2.5 U	1.9 U
beta-BHC	ug/Kg	2 U	2 U	1.9 U	2.1 U	2 U	1.8 U	2.5 U	2.5 U	1.9 U
delta-BHC	ug/Kg	2 U	2 U	1.9 U	2.1 U	2 U	1.8 U	2.5 U	2.5 U	1.9 U
gamma-BHC (Undane)	ug/Kg	2 U	2 U	1.9 U	2.1 U	2 U	1.8 U	2.5 U	2.5 U	1.9 U
Heptachlor	ug/Kg	2 U	2 U	1.9 U	2.1 U	2 U	1.8 U	2.5 U	2.5 U	1.9 U
Aldrin	ug/Kg	2 U	2 U	1.9 U	2.1 U	2 U	1.8 U	2.5 U	2.5 U	1.9 U
Heptachlor epoxide	ug/Kg	2 U	2 U	1.9 U	2.1 U	2 U	1.8 U	2.5 U	2.5 U	1.9 U
Endosulfan I	ug/Kg	2 U	2 U	1.9 U	2.1 U	2 U	1.8 U	2.5 U	2.5 U	1.9 U
Dieldrin	ug/Kg	3.8 U	3.8 U	3.7 U	4 U	4 U	3.5 U	4.9 U	4.9 U	3.7 U
4,4'-DDE	ug/Kg	3.8 U	3.8 U	3.7 U	4 U	4 U	3.5 U	4.9 U	4.9 U	3.7 U
Endrin	ug/Kg	3.8 U	3.8 U	3.7 U	4 U	4 U	3.5 U	4.9 U	4.9 U	3.7 U
Endosulfan II	ug/Kg	3.8 U	3.8 U	3.7 U	4 U	4 U	3.5 U	4.9 U	4.9 U	3.7 U
4,4'-DDD	ug/Kg	3.8 U	3.8 U	3.7 U	4 U	4 U	3.5 U	4.9 U	4.9 U	3.7 U
Endosulfan sulfate	ug/Kg	3.8 U	3.8 U	3.7 U	4 U	4 U	3.5 U	4.9 U	4.9 U	3.7 U
4,4'-DDT	ug/Kg	3.8 U	3.8 U	3.7 U	4 U	4 U	3.5 U	4.9 U	4.9 U	3.7 U
Methoxychlor	ug/Kg	20 U	20 U	19 U	21 U	20 U	18 U	25 U	25 U	19 U
Endrin ketone	ug/Kg	3.8 U	3.8 U	3.7 U	4 U	4 U	3.5 U	4.9 U	4.9 U	3.7 U
Endrin aldehyde	ug/Kg	3.8 U	3.8 U	3.7 U	4 U	4 U	3.5 U	4.9 U	4.9 U	3.7 U
alpha-Chlordane	ug/Kg	2 U	2 U	1.9 U	2.1 U	2 U	1.8 U	2.5 U	2.5 U	1.9 U
gamma-Chlordane	ug/Kg	2 U	2 U	1.9 U	2.1 U	2 U	1.8 U	2.5 U	2.5 U	1.9 U
Toxaphene	ug/Kg	200 U	200 U	190 U	210 U	200 U	180 U	250 U	250 U	190 U
Aroclor-1016	ug/Kg	38 U	38 U	37 U	40 U	40 U	35 U	49 U	49 U	37 U
Aroclor-1221	ug/Kg	78 U	78 U	74 U	81 U	81 U	72 U	99 U	99 U	75 U
Aroclor-1232	ug/Kg	38 U	38 U	37 U	40 U	40 U	35 U	49 U	49 U	37 U
Aroclor-1242	ug/Kg	38 U	38 U	37 U	40 U	40 U	35 U	49 U	49 U	37 U
Aroclor-1248	ug/Kg	38 U	38 U	37 U	40 U	40 U	35 U	49 U	49 U	37 U
Aroclor-1254	ug/Kg	38 U	38 U	37 U	40 U	40 U	35 U	49 U	49 U	37 U
Aroclor-1260	ug/Kg	38 U	38 U	37 U	40 U	40 U	35 U	49 U	49 U	37 U
METALS										
Aluminum	mg/Kg	4850	12700	11700	2900	10200	9590	13800	13900	13700
Antimony	mg/Kg	0.19 UJ	0.15 UJ	0.21 UJ	0.17 UJ	0.21 UJ	0.17 UJ	0.26 UJ	0.3 UJ	0.15 UJ
Arsenic	mg/Kg	3.3	5.7	4	4.5	3.9	3.6	5.3	5.8	4.8
Barium	mg/Kg	33 J	70.1	49	14.4 J	53.4	43.1	124	132	52.7
Beryllium	mg/Kg	0.22 J	0.62 J	0.58 J	0.17 J	0.5 J	0.46 J	0.74 J	0.75 J	0.63 J
Cadmium	mg/Kg	0.51 J	0.63 J	0.58 J	0.55 J	0.67 J	0.63 J	0.79 J	0.83 J	0.87
Calcium	mg/Kg	68400	8840	39800	111000	77700	50500	8360	6320	26800
Chromium	mg/Kg	7	20.8	19.9	5.4	17.3	16.7	19.5	19.9	22.6
Cobalt	mg/Kg	4.5 J	12.1	12.5	2.8 J	8.3 J	9.6	7.5 J	9.2 J	14.8
Copper	mg/Kg	17.3	23.1	23.2	11.4	19.7	17.1	20.3	20.5	23.8
Iron	mg/Kg	11500	29200	25500	8520	21200	21600	23500	24600	29300
Lead	mg/Kg	12.8	14.8 J	12.1 J	19.3	10.2	9.8	23.2	23.9	15.6
Magnesium	mg/Kg	26400	7550	13200	17800	18900	14700	4290	3810	10500
Manganese	mg/Kg	533	421	373	502	394	386	395	540	373
Mercury	mg/Kg	0.03 J	0.06	0.06 J	0.01 J	0.02 J	0.01 U	0.06 J	0.06 J	0.02 J
Nickel	mg/Kg	10.3	28.6	33.4	6.8	28.6	29.7	22.2	22.5	44.8
Potassium	mg/Kg	1030	1250 J	1440 J	730 J	1630	1230	2140	2080	1770
Selenium	mg/Kg	0.55 J	0.6 J	0.52 J	0.29 U	0.36 U	0.28 U	1.4	1.2 J	0.28 J
Silver	mg/Kg	0.13 UJ	0.11 UJ	0.15 UJ	0.12 UJ	0.15 UJ	0.12 UJ	0.18 UJ	0.21 UJ	0.1 UJ
Sodium	mg/Kg	52 J	50.3 J	88.4 J	88.1 J	117 J	41 U	47.2 U	47.2 U	90.2 J
Thallium	mg/Kg	0.31 U	0.24 U	0.34 U	0.27 U	0.34 U	0.26 U	0.41 U	0.48 U	0.23 U
Vanadium	mg/Kg	10.8	21.4	17.6	8.4 J	14	24.5	25	25	19.4
Zinc	mg/Kg	75.4	89	98	139	89.1	81.9	92.8	94.2	162
Cyanide	mg/Kg	0.55 U	0.55 U	0.48 U	0.54 U	1.7	0.45 U	0.5 U	0.74 U	0.52 U
OTHER ANALYSES										
Nitrate/Nitrite-Nitrogen	mg/Kg	1.02	0.08	0.2	0.02	0.67	0.15	9.7	6.9	0.29
Total Petroleum Hydrocarbons	mg/Kg									
Total Solids	%W/W	88.4	86.5	90.3	82	83.4	93	67.9	66.5	89.4

SENECA ARMY DEPOT
SEAD-43, 56, AND 69 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION	SOIL SEAD-69	SOIL SEAD-69	SOIL SEAD-69	SOIL SEAD-69	SOIL SEAD-69	SOIL SEAD-69	SOIL SEAD-69	SOIL SEAD-69	SOIL SEAD-69	SOIL SEAD-69
DEPTH (FEET)	10-12	10-12	0-0.2	6-8	12-14	0-0.2	6-8	10-12	10-12	10-12
SAMPLE DATE	05/17/94	05/17/94	02/19/94	05/16/94	05/16/94	05/16/94	05/16/94	02/18/94	02/18/94	02/18/94
ES ID	SB69-1-06	SB69-1-06RE	SB69-2-01	SB69-2-04	SB69-2-07	SB69-2-07RE	SB69-3-01	SB69-3-04	SB69-3-06	SB69-3-06
LAB ID	221484	221484	211964	221356	221357	221357	211967	212007	211970	211970
SDG NUMBER	44090	44090	42460	44090	44090	44090	42493	42493	42493	42493
COMPOUND	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
VOLATILE ORGANICS										
Chloromethane	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Bromomethane	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Vinyl Chloride	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Chloroethane	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Methylene Chloride	ug/Kg	11 UJ	3 J	24 U	11 U	4 J	4 J	19 U	11 U	11 U R
Acetone	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Carbon Disulfide	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
1,1-Dichloroethane	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
1,1-Dichloroethane	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
1,2-Dichloroethane (total)	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Chloroform	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
1,2-Dichloroethane	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
2-Butanone	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
1,1,1-Trichloroethane	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Carbon Tetrachloride	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Bromodichloromethane	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
1,2-Dichloropropane	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
cis-1,3-Dichloropropene	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Trichloroethene	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Dibromochloromethane	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
1,1,2-Trichloroethane	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Benzene	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
trans-1,3-Dichloropropene	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Bromoform	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
4-Methyl-2-Pentanone	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
2-Hexanone	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Tetrachloroethene	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
1,1,2,2-Tetrachloroethane	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Toluene	ug/Kg	2 J	3 J	24 U	11 U	27 J	6 J	19 U	11 U	4 J
Chlorobenzene	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Ethylbenzene	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Styrene	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Xylene (total)	ug/Kg	11 UJ	2 J	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
HERBICIDES										
2,4-D	ug/Kg	54 U		94 U	54 U	53 U		98 U	55 U	54 U
2,4-DB	ug/Kg	54 U		94 U	54 U	53 U		98 U	55 U	54 U
2,4,5-T	ug/Kg	5.4 U		9.4 U	5.4 U	5.3 U		9.8 U	5.5 U	5.4 U
2,4,5-TP (Silvex)	ug/Kg	5.4 U		9.4 U	5.4 U	5.3 U		9.8 U	5.5 U	5.4 U
Dalapon	ug/Kg	130 U		230 U	130 U	130 U		240 U	140 U	130 U
Dicamba	ug/Kg	5.4 U		9.4 U	5.4 U	5.3 U		9.8 U	5.5 U	5.4 U
Dichloroprop	ug/Kg	54 U		94 U	54 U	53 U		98 U	55 U	54 U
Dinoseb	ug/Kg	27 U		47 U	27 U	27 U		49 U	28 U	27 UJ
MCPA	ug/Kg	5400 U		9400 U	5400 U	5300 U		9800 U	5500 U	5400 U
MCPP	ug/Kg	5400 U		9400 U	5400 U	5300 U		9800 U	5500 U	5400 U
NITROAROMATICS										
HMX	ug/Kg	130 U		130 U	130 U	130 U		130 U	130 U	130 U
RDX	ug/Kg	130 U		130 U	130 U	130 U		130 U	130 U	130 U
1,3,5-Trinitrobenzene	ug/Kg	130 U		130 U	130 U	130 U		130 U	130 U	130 U
1,3-Dinitrobenzene	ug/Kg	130 U		130 U	130 U	130 U		130 U	130 U	130 U
Tetryl	ug/Kg	130 U		130 U	130 U	130 U		130 U	130 U	130 U
2,4,6-Trinitrotoluene	ug/Kg	130 U		130 U	130 U	130 U		130 U	130 U	130 U
4-amino-2,6-Dinitrotoluene	ug/Kg	130 U		130 U	130 U	130 U		130 U	130 U	130 U
2-amino-4,6-Dinitrotoluene	ug/Kg	130 U		130 U	130 U	130 U		130 U	130 U	130 U
2,6-Dinitrotoluene	ug/Kg	130 U		130 U	130 U	130 U		130 U	130 U	130 U
2,4-Dinitrotoluene	ug/Kg	130 U		130 U	130 U	130 U		130 U	130 U	130 U

SENECA ARMY DEPOT
SEAD-43, 56, AND 69 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-69 10-12 05/17/94 SB69-1-06 221484 44090	SOIL SEAD-69 10-12 05/17/94 SB69-1-06RE 221484 44090	SOIL SEAD-89 0-0.2 02/19/94 SB69-2.01 211964 42460	SOIL SEAD-69 6-8 05/16/94 SB69-2-04 221358 44090	SOIL SEAD-69 12-14 05/16/94 SB69-2-07 221357 44090	SOIL SEAD-69 12-14 05/16/94 SB69-2-07RE 221357 44090	SOIL SEAD-69 0-0.2 02/18/94 SB69-3.01 211967 42493	SOIL SEAD-69 6-8 02/18/94 SB69-3.04 212007 42493	SOIL SEAD-69 10-12 02/18/94 SB69-3.06 211970 42493
COMPOUND									
SEMIVOLATILE ORGANICS									
Phend	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
bis(2-Chloroethyl) ether	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
2-Chlorophend	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
1,3-Dichlorobenzene	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
1,4-Dichlorobenzene	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
1,2-Dichlorobenzene	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
2-Methylphend	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
4-Methylphend	ug/Kg	360 U	580 J	350 U	350 U		650 U	360 U	350 U
N-Nitroso-di-n-propylamine	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
Hexachloroethane	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
Nitrobenzene	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
Isophorone	ug/Kg	360 U	820 U	350 U	350 U		850 U	360 U	350 U
2-Nitrophenol	ug/Kg	380 U	820 U	350 U	350 U		650 U	360 U	350 U
2,4-Dimethylphend	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
bis(2-Chloroethoxy) methane	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
2,4-Dichlorophenol	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
1,2,4-Trichlorobenzene	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
Naphthalene	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
4-Chloroaniline	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
Hexachlorobutadiene	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
4-Chloro-3-methylphenol	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
2-Methylnaphthalene	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
Hexachlorocyclopentadiene	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
2,4,6-Trichlorophenol	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
2,4,5-Trichlorophenol	ug/Kg	860 U	1500 U	850 U	840 U		1600 U	880 U	860 U
2-Chloronaphthalene	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
2-Nitroaniline	ug/Kg	860 U	1500 U	850 U	840 U		1600 U	880 U	860 U
Dimethylphthalate	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
Aceraphthylene	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
2,6-Dinitrotoluene	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
3-Nitroaniline	ug/Kg	860 U	1500 U	850 U	840 U		1600 U	880 U	860 U
Aceraphthene	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
2,4-Dinitrophenol	ug/Kg	860 U	1500 U	850 U	840 U		1600 U	880 U	860 U
4-Nitrophenol	ug/Kg	860 U	1500 U	850 U	840 U		1600 U	880 U	860 U
Dibenzofuran	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
2,4-Dinitrotoluene	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
Diethylphthalate	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
4-Chlorophenyl-phenylether	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
Fluorene	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
4-Nitroaniline	ug/Kg	860 U	1500 U	850 U	840 U		1600 U	880 U	860 U
4,6-Dinitro-2-methylphenol	ug/Kg	860 U	1500 U	850 U	840 U		1600 U	880 U	860 U
N-Nitrosodiphenylamine	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
4-Bromophenyl-phenylether	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
Hexachlorobenzene	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
Pentachlorophend	ug/Kg	860 U	1500 U	850 U	840 U		1600 U	880 U	860 U
Pheanthrene	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
Anthracene	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
Carbazole	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
Di-n-butylphthalate	ug/Kg	360 U	820 U	350 U	350 U		62 J	25 J	350 U
Fluoranthene	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
Pyrene	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
Butylbenzylphthalate	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
3,3'-Dichlorobenzidine	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
Benzo(a)anthracene	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
Chrysene	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
bis(2-Ethylhexyl)phthalate	ug/Kg	360 U	890	350 U	350 U		580 J	140 J	340 J
Di-n-octylphthalate	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
Benzo(f)fluoranthene	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
Benzo(k)fluoranthene	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
Benzo(a)pyrene	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
Indeno(1,2,3-cd)pyrene	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
Dibenz(b,h)anthracene	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U
Benzo(g,h,i)perylene	ug/Kg	360 U	820 U	350 U	350 U		650 U	360 U	350 U

SENECA ARMY DEPOT
SEAD-43, 56, AND 69 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-69 10-12 05/17/94 SB69-1-06 221484 44090	SOIL SEAD-69 10-12 05/17/94 SB69-1-06RE 221484 44090	SOIL SEAD-69 0-0.2 02/19/94 SB69-2.01 211964 42460	SOIL SEAD-69 6-8 05/16/94 SB69-2-04 221356 44090	SOIL SEAD-69 12-14 05/16/94 SB69-2-07 221357 44090	SOIL SEAD-69 12-14 05/16/94 SB69-2-07RE 221357 44090	SOIL SEAD-69 0-0.2 02/18/94 SB69-3.01 211967 42493	SOIL SEAD-69 6-8 02/18/94 SB69-3.04 212007 42493	SOIL SEAD-69 10-12 02/18/94 SB69-3.06 211970 42493
COMPOUND UNITS									
PESTICIDES/PCB									
alpha-BHC	ug/Kg	1.8 U	3.3 U	1.8 U	1.8 U	3.3 U	1.9 U	1.8 U	1.8 U
beta-BHC	ug/Kg	1.8 U	3.3 U	1.8 U	1.8 U	3.3 U	1.9 U	1.8 U	1.8 U
delta-BHC	ug/Kg	1.8 U	3.3 U	1.8 U	1.8 U	3.3 U	1.9 U	1.8 U	1.8 U
gamma-BHC (Lindane)	ug/Kg	1.8 U	3.3 U	1.8 U	1.8 U	3.3 U	1.9 U	1.8 U	1.8 U
Heptachlor	ug/Kg	1.8 U	3.3 U	1.8 U	1.8 U	3.3 U	1.9 U	1.8 U	1.8 U
Aldrin	ug/Kg	1.8 U	3.3 U	1.8 U	1.8 U	3.3 U	1.9 U	1.8 U	1.8 U
Heptachlor epoxide	ug/Kg	1.8 U	3.3 U	1.8 U	1.8 U	3.3 U	1.9 U	1.8 U	1.8 U
Endosulfan I	ug/Kg	1.8 U	3.3 U	1.8 U	1.8 U	3.3 U	1.9 U	1.8 U	1.8 U
Dieldrin	ug/Kg	3.6 U	6.3 U	3.5 U	3.5 U	6.5 U	3.6 U	3.5 U	3.5 U
4,4'-DDE	ug/Kg	3.6 U	6.3 U	3.5 U	3.5 U	6.5 U	3.6 U	3.5 U	3.5 U
Endrin	ug/Kg	3.6 U	6.3 U	3.5 U	3.5 U	6.5 U	3.6 U	3.5 U	3.5 U
Endosulfan II	ug/Kg	3.6 U	6.3 U	3.5 U	3.5 U	6.5 U	3.6 U	3.5 U	3.5 U
4,4'-DDD	ug/Kg	3.6 U	6.3 U	3.5 U	3.5 U	6.5 U	3.6 U	3.5 U	3.5 U
Endosulfan sulfate	ug/Kg	3.6 U	6.3 U	3.5 U	3.5 U	6.5 U	3.6 U	3.5 U	3.5 U
4,4'-DDT	ug/Kg	3.6 U	6.3 U	3.5 U	3.5 U	6.5 U	3.6 U	3.5 U	3.5 U
Methoxychlor	ug/Kg	18 U	33 U	18 U	18 U	33 U	19 U	18 U	18 U
Endrin ketone	ug/Kg	3.6 U	6.3 U	3.5 U	3.5 U	6.5 U	3.6 U	3.5 U	3.5 U
Endrin aldehyde	ug/Kg	3.6 U	6.3 U	3.5 U	3.5 U	6.5 U	3.6 U	3.5 U	3.5 U
alpha-Chlordane	ug/Kg	1.8 U	3.3 U	1.8 U	1.8 U	3.3 U	1.9 U	1.8 U	1.8 U
gamma-Chlordane	ug/Kg	1.8 U	3.3 U	1.8 U	1.8 U	3.3 U	1.9 U	1.8 U	1.8 U
Toxaphene	ug/Kg	180 U	330 U	180 U	180 U	330 U	190 U	180 U	180 U
Aroclor-1016	ug/Kg	36 U	63 U	35 U	35 U	65 U	36 U	35 U	35 U
Aroclor-1221	ug/Kg	73 U	130 U	71 U	71 U	130 U	73 U	72 U	72 U
Aroclor-1232	ug/Kg	36 U	63 U	35 U	35 U	65 U	36 U	35 U	35 U
Aroclor-1242	ug/Kg	36 U	63 U	35 U	35 U	65 U	36 U	35 U	35 U
Aroclor-1248	ug/Kg	36 U	63 U	35 U	35 U	65 U	36 U	35 U	35 U
Aroclor-1254	ug/Kg	36 U	63 U	35 U	35 U	65 U	36 U	35 U	35 U
Aroclor-1260	ug/Kg	36 U	63 U	35 U	35 U	65 U	36 U	35 U	35 U
METALS									
Aluminum	mg/Kg	8550	16000 J	14100	17500	14900	11500	10900	10900
Antimony	mg/Kg	0.13 UJ	6 UJ	0.16 UJ	0.12 J	0.37 UJ	0.23 J	0.32 J	0.32 J
Arsenic	mg/Kg	3.1	5.4 J	5.1	7.1	4.7	5.1	6.5	6.5
Barium	mg/Kg	50.9	133 J	42.7	82.1	118	80.4	80.2	80.2
Beryllium	mg/Kg	0.46 J	0.9 J	0.66 J	0.78	0.67 J	0.55 J	0.49 J	0.49 J
Cadmium	mg/Kg	0.64 J	0.58 U	0.83	1.1	0.31 J	0.28 J	0.23 J	0.23 J
Calcium	mg/Kg	112000	7760 J	28900	22000	7510 J	141000 J	58900 J	58900 J
Chromium	mg/Kg	14.1	22.6	24.1	30.2	21.5	17.9	18.4	18.4
Cobalt	mg/Kg	8.1	8.9 J	17.8	20.9	8.2 J	10.5	10.8	10.8
Copper	mg/Kg	16.3	22.9	27.8	25	20.6	21.1	23	23
Iron	mg/Kg	17800	27100 J	31400	40300	24900	22300	24200	24200
Lead	mg/Kg	9.1	21.1	9.7	13.6	25.1	6.1	5.9	5.9
Magnesium	mg/Kg	47500	4940 J	10200	9880	4730	10900	10900	10900
Manganese	mg/Kg	423	576 R	488	539	368	403	484	484
Mercury	mg/Kg	0.01 J	0.08 J	0.02 J	0.02 J	0.06 J	0.03 J	0.02 J	0.02 J
Nickel	mg/Kg	24.1	28.1	47.2	57.2	26.6 J	30.2 J	30 J	30 J
Potassium	mg/Kg	1300	1930	1350	1600	1940 J	2350 J	1490 J	1490 J
Selenium	mg/Kg	0.22 U	0.54 J	0.28 U	0.36 J	1.2 J	0.51 J	0.66 J	0.66 J
Silver	mg/Kg	0.09 UJ	1.2 U	0.11 UJ	0.07 UJ	0.26 U	0.14 U	0.1 U	0.1 U
Sodium	mg/Kg	111 J	54.9 U	85.8 J	113 J	85.5 J	139 J	122 J	122 J
Thallium	mg/Kg	0.21 U	0.3 U	0.26 U	0.17 U	0.46 U	0.23 U	0.24 U	0.24 U
Vanadium	mg/Kg	13	28.3	20	24.5	27.6	18.4	15.7	15.7
Zinc	mg/Kg	67.5	338 J	182	97.2	273	82.6	64.3	64.3
Cyanide	mg/Kg	0.43 U	0.94 U	0.48 U	0.5 U	0.92 U	0.54 U	0.47 U	0.47 U
OTHER ANALYSES									
Nitrate/Nitrite-Nitrogen	mg/Kg	0.18	0.02 U	0.58	0.19	0.02 U	0.04	0.03	0.03
Total Petroleum Hydrocarbons	mg/Kg								
Total Solids	%W/W	92.1	52.5	93.6	95.4	51.2	91	92.8	92.8

SENECA ARMY DEPOT
SEAD-43, 56, AND 69 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SEAD-43 07/19/94 MW43-1 227445 45332	SEAD-43 07/19/94 MW43-5 227449 45332 MW43-1DUP	SEAD-43 07/19/94 MW43-2 227448 45332	SEAD-43 03/28/94 MW43-3 215554 43179	SEAD-43 03/28/94 MW43-5 215558 43179 MW43-3DUP	SEAD-43 03/28/94 MW43-4 215557 43179
VOLATILE ORGANICS							
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
HERBICIDES							
2,4-D	ug/L	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2,4-DB	ug/L	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2,4,5-T	ug/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
2,4,5-TP (Silvex)	ug/L	0.11 U	0.11 U	0.11 U	0.11 U	0.44 J	0.11 U
Dalapon	ug/L	2.5 U	2.4 U	2.4 U	2.5 U	2.5 U	2.4 U
Dicamba	ug/L	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Dichloroprop	ug/L	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Dinoseb	ug/L	0.54 U	0.51 U	0.51 U	0.54 U	0.53 U	0.52 U
MCPA	ug/L	110 U	110 U	110 U	110 U	110 U	110 U
MCPP	ug/L	110 U	110 U	110 U	110 U	110 U	110 U
NITROAROMATICS							
HMX	ug/L	0.13 U	0.13 U	0.13 U	0.13 UJ	0.13 UJ	0.13 UJ
RDX	ug/L	0.13 U	0.13 U	0.13 U	0.13 UJ	0.13 UJ	0.13 UJ
1,3,5-Trinitrobenzene	ug/L	0.13 U	0.13 U	0.13 U	0.13 UJ	0.13 UJ	0.13 UJ
1,3-Dinitrobenzene	ug/L	0.13 U	0.13 U	0.13 U	0.13 UJ	0.13 UJ	0.13 UJ
Tetryl	ug/L	0.13 U	0.13 U	0.13 U	0.13 UJ	0.13 UJ	0.13 UJ
2,4,6-Trinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 UJ	0.13 UJ	0.13 UJ
4-amino-2,6-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 UJ	0.13 UJ	0.13 UJ
2-amino-4,6-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 UJ	0.13 UJ	0.13 UJ
2,6-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 UJ	0.13 UJ	0.13 UJ
2,4-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 UJ	0.13 UJ	0.13 UJ

SENECA ARMY DEPOT
SEAD-43, 58, AND 69 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-43 07/19/94 MW43-1 227445 45332	WATER SEAD-43 07/19/94 MW43-5 227449 45332 MW43-1DUP	WATER SEAD-43 07/19/94 MW43-2 227448 45332	WATER SEAD-43 03/28/94 MW43-3 215554 43179	WATER SEAD-43 03/28/94 MW43-5 215558 43179 MW43-3DUP	WATER SEAD-43 03/28/94 MW43-4 215557 43179
SEMIVOLATILE ORGANICS						
Phenol	ug/L	11 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl) ether	ug/L	11 U	10 U	10 U	10 U	10 U
2-Chlorophenol	ug/L	11 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	ug/L	11 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	ug/L	11 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	ug/L	11 U	10 U	10 U	10 U	10 U
2-Methylphenol	ug/L	11 U	10 U	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	11 U	10 U	10 U	10 U	10 U
4-Methylphenol	ug/L	11 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	ug/L	11 U	10 U	10 U	10 U	10 U
Hexachloroethane	ug/L	11 U	10 U	10 U	10 U	10 U
Nitrobenzene	ug/L	11 U	10 U	10 U	10 U	10 U
Isophorone	ug/L	11 U	10 U	10 U	10 U	10 U
2-Nitrophenol	ug/L	11 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	ug/L	11 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy) methane	ug/L	11 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	ug/L	11 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	ug/L	11 U	10 U	10 U	10 U	10 U
Naphthalene	ug/L	11 U	10 U	10 U	10 U	10 U
4-Chloroaniline	ug/L	11 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	ug/L	11 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L	11 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	ug/L	11 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	ug/L	11 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	ug/L	11 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	ug/L	27 U	26 U	26 U	26 U	26 U
2-Chloronaphthalene	ug/L	11 U	10 U	10 U	10 U	10 U
2-Nitroaniline	ug/L	27 U	26 U	26 U	26 U	26 U
Dimethylphthalate	ug/L	11 U	10 U	10 U	10 U	10 U
Acenaphthylene	ug/L	11 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	ug/L	11 U	10 U	10 U	10 U	10 U
3-Nitroaniline	ug/L	27 U	26 U	26 U	26 U	26 U
Acenaphthene	ug/L	11 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	ug/L	27 U	26 U	26 U	26 U	26 U
4-Nitrophenol	ug/L	27 U	26 U	26 U	26 U	26 U
Dibenzofuran	ug/L	11 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	ug/L	11 U	10 U	10 U	10 U	10 U
Diethylphthalate	ug/L	11 U	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	ug/L	11 U	10 U	10 U	10 U	10 U
Fluorene	ug/L	11 U	10 U	10 U	10 U	10 U
4-Nitroaniline	ug/L	27 U	26 U	26 U	26 U	26 U
4,6-Dinitro-2-methylphenol	ug/L	27 U	26 U	26 U	26 U	26 U
N-Nitrosodiphenylamine	ug/L	11 U	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	ug/L	11 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	ug/L	11 U	10 U	10 U	10 U	10 U
Pentachlorophenol	ug/L	27 U	26 U	26 U	26 U	26 U
Phenanthrene	ug/L	11 U	10 U	10 U	10 U	10 U
Anthracene	ug/L	11 U	10 U	10 U	10 U	10 U
Carbazole	ug/L	11 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	ug/L	11 U	10 U	10 U	10 U	10 U
Fluoranthene	ug/L	11 U	10 U	10 U	10 U	10 U
Pyrene	ug/L	11 U	10 U	10 U	10 U	10 U
Butylbenzylphthalate	ug/L	11 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L	11 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	ug/L	11 U	10 U	10 U	10 U	10 U
Chrysene	ug/L	11 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	11 U	10 U	180 U	10 U	10 U
Di-n-octylphthalate	ug/L	11 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	ug/L	11 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	ug/L	11 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ug/L	11 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	ug/L	11 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	ug/L	11 U	10 U	10 U	10 U	10 U

SENECA ARMY DEPOT
SEAD-43, 56, AND 69 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

MATRIX LOCATION	WATER SEAD-43	WATER SEAD-43	WATER SEAD-43	WATER SEAD-43	WATER SEAD-43	WATER SEAD-43	
SAMPLE DATE	07/19/94	07/19/94	07/19/94	03/28/94	03/28/94	03/28/94	
ES ID	MW43-1	MW43-5	MW43-2	MW43-3	MW43-5	MW43-4	
LAB ID	227445	227449	227448	215554	215558	215557	
SDG NUMBER	45332	45332	45332	43179	43179	43179	
COMPOUND	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	
PESTICIDES/PCB							
alpha-BHC	ug/L	0.053 U	0.053 U	0.054 U	0.052 U	0.052 U	0.054 U
beta-BHC	ug/L	0.053 U	0.053 U	0.054 U	0.052 U	0.052 U	0.054 U
delta-BHC	ug/L	0.053 U	0.053 U	0.054 U	0.052 U	0.052 U	0.054 U
gamma-BHC (Lindane)	ug/L	0.053 U	0.053 U	0.054 U	0.052 U	0.052 U	0.054 U
Heptachlor	ug/L	0.053 U	0.053 U	0.054 U	0.052 U	0.052 U	0.054 U
Aldrin	ug/L	0.053 U	0.053 U	0.054 U	0.052 U	0.052 U	0.054 U
Heptachlor epoxide	ug/L	0.053 U	0.053 U	0.054 U	0.052 U	0.052 U	0.054 U
Endosulfan I	ug/L	0.053 U	0.053 U	0.054 U	0.052 U	0.052 U	0.054 U
Dieldrin	ug/L	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U
4,4'-DDE	ug/L	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U
Endrin	ug/L	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U
Endosulfan II	ug/L	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U
4,4'-DDD	ug/L	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U
Endosulfan sulfate	ug/L	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U
4,4'-DDT	ug/L	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U
Methoxychlor	ug/L	0.53 U	0.53 U	0.54 U	0.52 U	0.52 U	0.54 U
Endrin ketone	ug/L	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U
Endrin aldehyde	ug/L	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U
alpha-Chlordane	ug/L	0.053 U	0.053 U	0.054 U	0.052 U	0.052 U	0.054 U
gamma-Chlordane	ug/L	0.053 U	0.053 U	0.054 U	0.052 U	0.052 U	0.054 U
Toxaphene	ug/L	5.3 U	5.3 U	5.4 U	5.2 U	5.2 U	5.4 U
Aroclor-1016	ug/L	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U
Aroclor-1221	ug/L	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U	2.1 U
Aroclor-1232	ug/L	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U
Aroclor-1242	ug/L	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U
Aroclor-1248	ug/L	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U
Aroclor-1254	ug/L	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U
Aroclor-1260	ug/L	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U
METALS							
Aluminum	ug/L	2610 J	1020 J	169 J	2870	1620	1010
Antimony	ug/L	1.3 U	1.3 U	1.5 J	1 U	1 U	1 U
Arsenic	ug/L	2 U	2 U	2 U	1.5 J	1.5 U	1.5 U
Barium	ug/L	77.1 J	88.1 J	43.4 J	113 J	101 J	97.2 J
Beryllium	ug/L	0.1 U	0.1 U	0.1 U	0.06 U	0.06 U	0.06 U
Cadmium	ug/L	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
Calcium	ug/L	102000	100000	112000	138000	136000	123000
Chromium	ug/L	3.5 J	1.4 J	0.4 U	5.3 J	3.6 J	2 J
Cobalt	ug/L	2.2 J	1.5 J	0.5 U	3.3 J	2.2 J	4.2 J
Copper	ug/L	3.3 J	1 J	0.5 U	4 J	3 J	1.9 J
Iron	ug/L	4010 J	1750 J	1000	7170	4890	1930
Lead	ug/L	0.9 U	0.89 U	0.9 U	2.4 J	1.5 J	0.8 U
Magnesium	ug/L	27500	26400	46800	42700	42200	36800
Manganese	ug/L	120	101	139	183	159	297
Mercury	ug/L	0.04 J	0.04 U	0.04 U	0.03 U	0.03 U	0.03 U
Nickel	ug/L	7.7 J	3.9 J	0.7 U	9.2 J	8.4 J	9.4 J
Potassium	ug/L	2420 J	1840 J	3010 J	3280 J	3190 J	3250 J
Selenium	ug/L	2.7 U	2.7 U	2.7 U	1.7 U	1.7 U	1.7 U
Silver	ug/L	0.5 U	0.7 J	0.5 U	0.7 U	0.7 U	0.7 U
Sodium	ug/L	4600 J	4310 J	8100	7330	7410	13400
Thallium	ug/L	2.2 J	1.9 U	1.9 U	1.6 U	1.6 U	1.6 U
Vanadium	ug/L	4.4 J	2.1 J	0.5 U	5.2 J	3.5 J	2.3 J
Zinc	ug/L	11 J	5.8 J	2.3 J	22.5 J	13.3 J	11.8 J
Cyanide	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
OTHER ANALYSES							
Nitrate/Nitrite - Nitrogen	mg/L	0.06	0.06	0.01 U	0.03 J	0.01 U	0.02
Total Petroleum Hydrocarbons	mg/L						
pH	Standard Units	7.1	7.1	7.1	7.7		7.1
Conductivity	umhos/cm	460	460	610	600		535
Temperature	°C	13.7	13.7	13.1	8		6.1
Turbidity	NTU	148	148	16.6	431		0.2

SENECA ARMY DEPOT
SEAD-43, 56, AND 69 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43
	SAMPLE DATE	04/16/94	04/16/94	04/15/94	04/15/94	04/16/94	04/15/94
	ES ID	SW43-1	SW43-2	SW43-3	SW43-20	SW43-4	SW43-5
	LAB ID	217864	217865	217769	217772	217866	217770
	SDG NUMBER	43549	43549	43549	43549	43549	43549
	UNITS				SW43-3DUP		
VOLATILE ORGANICS							
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	5 J	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
HERBICIDES							
2,4-D	ug/L	1.1 U	1.1 U	1.3 U	1.2 U	1.1 U	1.1 U
2,4-DB	ug/L	1.1 U	1.1 U	1.3 U	1.2 U	1.1 U	1.1 U
2,4,5-T	ug/L	0.11 U	0.11 U	0.13 U	0.12 U	0.11 U	0.11 U
2,4,5-TP (Silvex)	ug/L	0.11 U	0.11 U	0.13 U	0.12 U	0.11 U	0.11 U
Dalapon	ug/L	2.5 U	2.5 U	2.9 U	2.7 U	2.5 U	2.4 U
Dicamba	ug/L	0.11 U	0.11 U	0.13 U	0.12 U	0.11 U	0.11 U
Dichloroprop	ug/L	1.1 U	1.1 U	1.3 U	1.2 U	1.1 U	1.1 U
Dinoseb	ug/L	0.54 U	0.53 U	0.64 U	0.58 U	0.54 U	0.52 U
MCPA	ug/L	110 U	110 U	130 U	120 U	110 U	110 U
MCPP	ug/L	110 U	110 U	130 U	120 U	110 U	110 U
NITROAROMATICS							
HMX	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
RDX	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,3,5-Trinitrobenzene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,3-Dinitrobenzene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Tetryl	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
2,4,6-Trinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
4-amino-2,6-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
2-amino-4,6-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
2,6-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
2,4-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U

SENECA ARMY DEPOT
SEAD-43, 56, AND 69 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER	WATER SEAD-43 04/16/94 SW43-1 217864 43549	WATER SEAD-43 04/16/94 SW43-2 217865 43549	WATER SEAD-43 04/15/94 SW43-3 217769 43549	WATER SEAD-43 04/15/94 SW43-20 217772 43549	WATER SEAD-43 04/16/94 SW43-4 217866 43549	WATER SEAD-43 04/15/94 SW43-5 217770 43549
COMPOUND UNITS	SW43-3DUP					
SEMIVOLATILE ORGANICS						
Phenol	ug/L	36 U	12 U	12 U	12 U	10 U
bis(2-Chloroethyl) ether	ug/L	36 U	12 U	12 U	12 U	10 U
2-Chlorophenol	ug/L	36 U	12 U	12 U	12 U	10 U
1,3-Dichlorobenzene	ug/L	36 U	12 U	12 U	12 U	10 U
1,4-Dichlorobenzene	ug/L	36 U	12 U	12 U	12 U	10 U
1,2-Dichlorobenzene	ug/L	36 U	12 U	12 U	12 U	10 U
2-Methylphenol	ug/L	36 U	12 U	12 U	12 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	36 U	12 U	12 U	12 U	10 U
4-Methylphenol	ug/L	36 U	12 U	12 U	12 U	10 U
N-Nitroso-di-n-propylamine	ug/L	36 U	12 U	12 U	12 U	10 U
Hexachloroethane	ug/L	36 U	12 U	12 U	12 U	10 U
Nitrobenzene	ug/L	36 U	12 U	12 U	12 U	10 U
Isophorone	ug/L	36 U	12 U	12 U	12 U	10 U
2-Nitrophenol	ug/L	36 U	12 U	12 U	12 U	10 U
2,4-Dimethylphenol	ug/L	36 U	12 U	12 U	12 U	10 U
bis(2-Chloroethoxy) methane	ug/L	36 U	12 U	12 U	12 U	10 U
2,4-Dichlorophenol	ug/L	36 U	12 U	12 U	12 U	10 U
1,2,4-Trichlorobenzene	ug/L	36 U	12 U	12 U	12 U	10 U
Naphthalene	ug/L	36 U	12 U	12 U	12 U	10 U
4-Chloroaniline	ug/L	36 U	12 U	12 U	12 U	10 U
Hexachlorobutadiene	ug/L	36 U	12 U	12 U	12 U	10 U
4-Chloro-3-methylphenol	ug/L	36 U	12 U	12 U	12 U	10 U
2-Methylnaphthalene	ug/L	36 U	12 U	12 U	12 U	10 U
Hexachlorocyclopentadiene	ug/L	36 U	12 U	12 U	12 U	10 U
2,4,6-Trichlorophenol	ug/L	36 U	12 U	12 U	12 U	10 U
2,4,5-Trichlorophenol	ug/L	91 U	29 U	29 U	30 U	26 U
2-Chloronaphthalene	ug/L	36 U	12 U	12 U	12 U	10 U
2-Nitroaniline	ug/L	91 U	29 U	29 U	30 U	26 U
Dimethylphthalate	ug/L	36 U	12 U	12 U	12 U	10 U
Acenaphthylene	ug/L	36 U	12 U	12 U	12 U	10 U
2,6-Dinitrotoluene	ug/L	36 U	12 U	12 U	12 U	10 U
3-Nitroaniline	ug/L	91 U	29 U	29 U	30 U	26 U
Acenaphthene	ug/L	36 U	12 U	12 U	12 U	10 U
2,4-Dinitrophenol	ug/L	91 U	29 U	29 U	30 U	26 U
4-Nitrophenol	ug/L	91 U	29 U	29 U	30 U	26 U
Dibenzofuran	ug/L	36 U	12 U	12 U	12 U	10 U
2,4-Dinitrotoluene	ug/L	36 U	12 U	12 U	12 U	10 U
Diethylphthalate	ug/L	36 U	12 U	12 U	12 U	10 U
4-Chlorophenyl-phenylether	ug/L	36 U	12 U	12 U	12 U	10 U
Fluorene	ug/L	36 U	12 U	12 U	12 U	10 U
4-Nitroaniline	ug/L	91 U	29 U	29 U	30 U	26 U
4,6-Dinitro-2-methylphenol	ug/L	91 U	29 U	29 U	30 U	26 U
N-Nitrosodiphenylamine	ug/L	36 U	12 U	12 U	12 U	10 U
4-Bromophenyl-phenylether	ug/L	36 U	12 U	12 U	12 U	10 U
Hexachlorobenzene	ug/L	36 U	12 U	12 U	12 U	10 U
Pentachlorophenol	ug/L	91 U	29 U	29 U	30 U	26 U
Phenanthrene	ug/L	36 U	12 U	12 U	12 U	10 U
Anthracene	ug/L	36 U	12 U	12 U	12 U	10 U
Carbazole	ug/L	36 U	12 U	12 U	12 U	10 U
Di-n-butylphthalate	ug/L	36 U	12 U	12 U	12 U	10 U
Fluoranthene	ug/L	36 U	12 U	12 U	12 U	10 U
Pyrene	ug/L	36 U	12 U	12 U	12 U	10 U
Butylbenzylphthalate	ug/L	36 U	12 U	12 U	12 U	10 U
3,3'-Dichlorobenzidine	ug/L	36 U	12 U	12 U	12 U	10 U
Benzo(a)anthracene	ug/L	36 U	12 U	12 U	12 U	10 U
Chrysene	ug/L	36 U	12 U	12 U	12 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	150	12 U	12 U	12 U	10 U
Di-n-octylphthalate	ug/L	36 U	12 U	12 U	12 U	10 U
Benzo(b)fluoranthene	ug/L	36 U	12 U	12 U	12 U	10 U
Benzo(k)fluoranthene	ug/L	36 U	12 U	12 U	12 U	10 U
Benzo(a)pyrene	ug/L	36 U	12 U	12 U	12 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	36 U	12 U	12 U	12 U	10 U
Dibenz(a,h)anthracene	ug/L	36 U	12 U	12 U	12 U	10 U
Benzo(g,h,i)perylene	ug/L	36 U	12 U	12 U	12 U	10 U

SENECA ARMY DEPOT
SEAD-43, 56, AND 69 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43
	SAMPLE DATE	04/16/94	04/16/94	04/15/94	04/15/94	04/16/94	04/15/94
	ES ID	SW43-1	SW43-2	SW43-3	SW43-20	SW43-4	SW43-5
	LAB ID	217864	217865	217769	217772	217866	217770
	SDG NUMBER	43549	43549	43549	43549	43549	43549
	UNITS				SW43-3DUP		
PESTICIDES/PCB							
alpha-BHC	ug/L	0.056 U	0.052 U	0.061 U	0.058 U	0.06 U	0.052 U
beta-BHC	ug/L	0.056 U	0.052 U	0.061 U	0.058 U	0.06 U	0.052 U
delta-BHC	ug/L	0.056 U	0.052 U	0.061 U	0.058 U	0.06 U	0.052 U
gamma-BHC (Lindane)	ug/L	0.056 U	0.052 U	0.061 U	0.058 U	0.06 U	0.052 U
Heptachlor	ug/L	0.056 U	0.052 U	0.061 U	0.058 U	0.06 U	0.052 U
Aldrin	ug/L	0.056 U	0.052 U	0.061 U	0.058 U	0.06 U	0.052 U
Heptachlor epoxide	ug/L	0.056 U	0.052 U	0.061 U	0.058 U	0.06 U	0.052 U
Endosulfan I	ug/L	0.056 U	0.052 U	0.061 U	0.058 U	0.06 U	0.052 U
Dieldrin	ug/L	0.11 U	0.1 U	0.12 U	0.12 U	0.12 U	0.1 U
4,4'-DDE	ug/L	0.11 U	0.1 U	0.12 U	0.12 U	0.12 U	0.1 U
Endrin	ug/L	0.11 U	0.1 U	0.12 U	0.12 U	0.12 U	0.1 U
Endosulfan II	ug/L	0.11 U	0.1 U	0.12 U	0.12 U	0.12 U	0.1 U
4,4'-DDD	ug/L	0.11 U	0.1 U	0.12 U	0.12 U	0.12 U	0.1 U
Endosulfan sulfate	ug/L	0.11 U	0.1 U	0.12 U	0.12 U	0.12 U	0.1 U
4,4'-DDT	ug/L	0.11 U	0.1 U	0.12 U	0.12 U	0.12 U	0.1 U
Methoxychlor	ug/L	0.56 U	0.52 U	0.61 U	0.58 U	0.6 U	0.52 U
Endrin ketone	ug/L	0.11 U	0.1 U	0.12 U	0.12 U	0.12 U	0.1 U
Endrin aldehyde	ug/L	0.11 U	0.1 U	0.12 U	0.12 U	0.12 U	0.1 U
alpha-Chlordane	ug/L	0.056 U	0.052 U	0.061 U	0.058 U	0.06 U	0.052 U
gamma-Chlordane	ug/L	0.056 U	0.052 U	0.061 U	0.058 U	0.06 U	0.052 U
Toxaphene	ug/L	5.6 U	5.2 U	6.1 U	5.8 U	6 U	5.2 U
Aroclor-1016	ug/L	1.1 U	1 U	1.2 U	1.2 U	1.2 U	1 U
Aroclor-1221	ug/L	2.2 U	2.1 U	2.4 U	2.3 U	2.4 U	2.1 U
Aroclor-1232	ug/L	1.1 U	1 U	1.2 U	1.2 U	1.2 U	1 U
Aroclor-1242	ug/L	1.1 U	1 U	1.2 U	1.2 U	1.2 U	1 U
Aroclor-1248	ug/L	1.1 U	1 U	1.2 U	1.2 U	1.2 U	1 U
Aroclor-1254	ug/L	1.1 U	1 U	1.2 U	1.2 U	1.2 U	1 U
Aroclor-1260	ug/L	1.1 U	1 U	1.2 U	1.2 U	1.2 U	1 U
METALS							
Aluminum	ug/L	400	1190	72.2 J	71.4 J	335	111 J
Antimony	ug/L	0.99 U	1 U	0.99 U	0.99 U	0.99 U	0.99 U
Arsenic	ug/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Barium	ug/L	23.6 J	27.9 J	55.2 J	47.8 J	32.7 J	40.4 J
Beryllium	ug/L	0.1 J	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Cadmium	ug/L	0.14 J	0.1 U	0.1 U	0.1 U	0.34 J	0.1 U
Calcium	ug/L	49900	43200	92900	92800	52300	79400
Chromium	ug/L	0.82 J	1.6 J	0.4 UJ	3.3 J	0.51 J	0.47 J
Cobalt	ug/L	0.6 U	0.6 U	0.6 U	0.6 U	0.59 U	0.6 U
Copper	ug/L	1.9 J	2.5 J	1.6 J	1.1 J	2.3 J	1.3 J
Iron	ug/L	397	1750	177	163	503	150
Lead	ug/L	0.8 U	0.8 U	0.8 U	0.8 U	1.4 J	0.8 U
Magnesium	ug/L	9210	7820	15900	15900	9420	14600
Manganese	ug/L	13.9 J	94.6	91.5 J	48.9 J	39.1	12.2 J
Mercury	ug/L	0.04 J	0.06 J	0.06 J	0.04 J	0.04 J	0.05 J
Nickel	ug/L	1.6 J	2.8 J	0.71 J	1.6 J	277	1.4 J
Potassium	ug/L	1000 J	2290 J	1520 J	1500 J	2660 J	1810 J
Selenium	ug/L	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Silver	ug/L	0.7 U	0.7 U	0.7 U	0.7 U	0.69 U	0.7 U
Sodium	ug/L	2450 J	892 J	4440 J	4550 J	3240 J	5180
Thallium	ug/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Vanadium	ug/L	0.89 J	2.1 J	0.7 U	0.7 U	0.69 U	0.7 U
Zinc	ug/L	5.3 J	12.1 J	3.8 J	3.9 J	1040	14.2 J
Cyanide	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
OTHER ANALYSES							
Nitrate/Nitrite - Nitrogen	mg/L	0.01	0.02	1.42	1.17	0.02	0.04
Total Petroleum Hydrocarbons	mg/L						
pH	Standard Units	9.2	8.8	7.3		7.6	7.9
Conductivity	umhos/cm	215	165	333		255	432
Temperature	°C	11	10	21		16	21
Turbidity	NTU	9.8	31.2	1.9		9.7	2.3

SENECA ARMY DEPOT
SEAD-43, 56, AND 69 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-43 0-0.2 04/16/94 SD43-1 217861 43543	SOIL SEAD-43 0-0.2 04/16/94 SD43-2 217862 43543	SOIL SEAD-43 0.4 04/15/94 SD43-3 217764 43543	SOIL SEAD-43 0.4 04/15/94 SD43-20 217767 43543	SOIL SEAD-43 0-0.2 04/16/94 SD43-4 217863 43543	SOIL SEAD-43 0.8 04/15/94 SD43-5 217768 43543	
COMPOUND UNITS	SD43-3DUP						
VOLATILE ORGANICS							
Chloromethane	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Bromomethane	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Vinyl Chloride	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Chloroethane	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Methylene Chloride	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Acetone	ug/Kg	82 U	20 U	220	120	32 U	65 U
Carbon Disulfide	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
1,1-Dichloroethane	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
1,1-Dichloroethane	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
1,2-Dichloroethane (total)	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Chloroform	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
1,2-Dichloroethane	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
2-Butanone	ug/Kg	19	17 U	49	30	14 U	16 U
1,1,1-Trichloroethane	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Carbon Tetrachloride	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Bromodichloromethane	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
1,2-Dichloropropane	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
cis-1,3-Dichloropropene	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Trichloroethane	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Dibromochloromethane	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
1,1,2-Trichloroethane	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Benzene	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
trans-1,3-Dichloropropene	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Bromoform	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
4-Methyl-2-Pentanone	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
2-Hexanone	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Tetrachloroethane	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
1,1,2,2-Tetrachloroethane	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Toluene	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Chlorobenzene	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Ethylbenzene	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Styrene	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Xylene (total)	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
HERBICIDES							
2,4-D	ug/Kg	84 U	81 U	110 U	110 U	72 U	81 U
2,4-DB	ug/Kg	84 U	110	110 U	110 U	72 U	81 U
2,4,5-T	ug/Kg	18	18	23 J	11	7.2 U	11
2,4,5-TP (Silvex)	ug/Kg	8.4 U	8.1 U	11 U	11 U	7.2 U	8.1 U
Dalapon	ug/Kg	200 U	200 U	250 U	250 U	180 U	200 U
Dicamba	ug/Kg	8.4 U	8.1 U	11 U	11 U	7.2 U	8.1 U
Dichloroprop	ug/Kg	84 U	81 U	110 U	110 U	72 U	81 U
Dinoseb	ug/Kg	42 U	41 U	51 U	52 U	36 U	41 U
MCPA	ug/Kg	8400 U	8100 U	11000 U	11000 U	7200 U	8100 U
MCPP	ug/Kg	16000	17000	11000 U	11000 U	7200 U	8100 U
NITROAROMATICS							
HMX	ug/Kg	130 U	110 J	130 U	130 U	72 J	130 U
RDX	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
1,3,5-Trinitrobenzene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
1,3-Dinitrobenzene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
Tetryl	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
2,4,6-Trinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
4-amino-2,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
2-amino-4,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
2,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
2,4-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U

SENECA ARMY DEPOT
SEAD-43, 56, AND 69 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-43 0-0.2 04/16/94 SD43-1 217861 43543	SOIL SEAD-43 0-0.2 04/16/94 SD43-2 217862 43543	SOIL SEAD-43 0.4 04/15/94 SD43-3 217764 43543	SOIL SEAD-43 0.4 04/15/94 SD43-20 217767 43543	SOIL SEAD-43 0-0.2 04/16/94 SD43-4 217863 43543	SOIL SEAD-43 0.6 04/15/94 SD43-5 217766 43543
COMPOUND						
SEMIVOLATILE ORGANICS						
Phenol	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
bis(2-Chloroethyl) ether	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
2-Chlorophenol	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
1,3-Dichlorobenzene	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
1,4-Dichlorobenzene	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
1,2-Dichlorobenzene	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
2-Methylphenol	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
2,2'-oxybis(1-Chloropropane)	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
4-Methylphenol	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
N-Nitroso-di-n-propylamine	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
Hexachloroethane	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
Nitrobenzene	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
Isophorone	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
2-Nitrophenol	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
2,4-Dimethylphenol	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
bis(2-Chloroethoxy) methane	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
2,4-Dichlorophenol	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
1,2,4-Trichlorobenzene	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
Naphthalene	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
4-Chloroaniline	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
Hexachlorobutadiene	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
4-Chloro-3-methylphenol	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
2-Methylnaphthalene	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
Hexachlorocyclopentadiene	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
2,4,6-Trichlorophenol	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
2,4,5-Trichlorophenol	ug/Kg 1300 U	1300 U	1600 U	1700 U	1100 U	1300 U
2-Chloronaphthalene	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
2-Nitroaniline	ug/Kg 1300 U	1300 U	1600 U	1700 U	1100 U	1300 U
Dimethylphthalate	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
Acenaphthylene	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
2,6-Dinitrotoluene	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
3-Nitroaniline	ug/Kg 1300 U	1300 U	1600 U	1700 U	1100 U	1300 U
Acenaphthene	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
2,4-Dinitrophenol	ug/Kg 1300 U	1300 U	1600 U	1700 U	1100 U	1300 U
4-Nitrophenol	ug/Kg 1300 U	1300 U	1600 U	1700 U	1100 U	1300 U
Dibenzofuran	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
2,4-Dinitrotoluene	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
Diethylphthalate	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
4-Chlorophenyl-phenylether	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
Fluorene	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
4-Nitroaniline	ug/Kg 1300 U	1300 U	1600 U	1700 U	1100 U	1300 U
4,6-Dinitro-2-methylphenol	ug/Kg 1300 U	1300 U	1600 U	1700 U	1100 U	1300 U
N-Nitrosodiphenylamine	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
4-Bromophenyl-phenylether	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
Hexachlorobenzene	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
Pentachlorophenol	ug/Kg 1300 U	1300 U	1600 U	1700 U	1100 U	1300 U
Phenanthrene	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
Anthracene	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
Carbazole	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
Di-n-butylphthalate	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
Fluoranthene	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
Pyrene	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
Butylbenzylphthalate	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
3,3'-Dichlorobenzidine	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
Benzo(a)anthracene	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
Chrysene	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
bis(2-Ethylhexyl)phthalate	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
Di-n-octylphthalate	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
Benzo(b)fluoranthene	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
Benzo(k)fluoranthene	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
Benzo(a)pyrene	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
Indeno(1,2,3-cd)pyrene	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
Dibenz(a,h)anthracene	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U
Benzo(g,h,i)perylene	ug/Kg 550 U	530 U	670 U	690 U	470 U	530 U

SENECA ARMY DEPOT
SEAD-43, 56, AND 69 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-43 0-0.2 04/16/94 SD43-1 217861 43543	SOIL SEAD-43 0-0.2 04/16/94 SD43-2 217862 43543	SOIL SEAD-43 0.4 04/15/94 SD43-3 217764 43543	SOIL SEAD-43 0.4 04/15/94 SD43-20 217767 43543	SOIL SEAD-43 0-0.2 04/16/94 SD43-4 217863 43543	SOIL SEAD-43 0.6 04/15/94 SD43-5 217766 43543	
COMPOUND UNITS	SD43-3DUP						
PESTICIDES/PCB							
alpha-BHC	ug/Kg	2.8 U	2.7 U	3.5 U	3.5 U	2.4 U	2.7 U
beta-BHC	ug/Kg	2.8 U	2.7 U	3.5 U	3.5 U	2.4 U	2.7 U
delta-BHC	ug/Kg	2.8 U	2.7 U	3.5 U	3.5 U	2.4 U	2.7 U
gamma-BHC (Lindane)	ug/Kg	2.8 U	2.7 U	3.5 U	3.5 U	2.4 U	2.7 U
Heptachlor	ug/Kg	2.8 U	2.7 U	3.5 U	3.5 U	2.4 U	2.7 U
Aldrin	ug/Kg	2.8 U	2.7 U	3.5 U	3.5 U	2.4 U	2.7 U
Heptachlor epoxide	ug/Kg	2.8 U	2.7 U	3.5 U	3.5 U	2.4 U	2.7 U
Endosulfan I	ug/Kg	2.8 U	2.7 U	3.5 U	3.5 U	2.4 U	2.7 U
Dieldrin	ug/Kg	5.5 U	5.3 U	6.7 U	6.9 U	4.7 U	5.3 U
4,4'-DDE	ug/Kg	5.5 U	5.3 U	6.7 U	6.9 U	4.7 U	5.3 U
Endrin	ug/Kg	5.5 U	5.3 U	6.7 U	6.9 U	4.7 U	5.3 U
Endosulfan II	ug/Kg	5.5 U	5.3 U	6.7 U	6.9 U	4.7 U	5.3 U
4,4'-DDD	ug/Kg	5.5 U	5.3 U	6.7 U	6.9 U	4.7 U	5.3 U
Endosulfan sulfate	ug/Kg	5.5 U	5.3 U	6.7 U	6.9 U	4.7 U	5.3 U
4,4'-DDT	ug/Kg	5.5 U	5.3 U	6.7 U	6.9 U	4.7 U	5.3 U
Methoxychlor	ug/Kg	28 U	27 U	35 U	35 U	24 U	27 U
Endrin ketone	ug/Kg	5.5 U	5.3 U	6.7 U	6.9 U	4.7 U	5.3 U
Endrin aldehyde	ug/Kg	5.5 U	5.3 U	6.7 U	6.9 U	4.7 U	5.3 U
alpha-Chlordane	ug/Kg	2.8 U	2.7 U	3.5 U	3.5 U	2.4 U	2.7 U
gamma-Chlordane	ug/Kg	2.8 U	2.7 U	3.5 U	3.5 U	2.4 U	2.7 U
Toxaphene	ug/Kg	280 U	270 U	350 U	350 U	240 U	270 U
Aroclor-1016	ug/Kg	55 U	53 U	67 U	69 U	47 U	53 U
Aroclor-1221	ug/Kg	110 U	110 U	140 U	140 U	96 U	110 U
Aroclor-1232	ug/Kg	55 U	53 U	67 U	69 U	47 U	53 U
Aroclor-1242	ug/Kg	55 U	53 U	67 U	69 U	47 U	53 U
Aroclor-1248	ug/Kg	55 U	53 U	67 U	69 U	47 U	53 U
Aroclor-1254	ug/Kg	55 U	53 U	67 U	69 U	47 U	53 U
Aroclor-1260	ug/Kg	55 U	53 U	67 U	69 U	47 U	53 U
METALS							
Aluminum	mg/Kg	19600	16800	11600	17800	13000	15400
Antimony	mg/Kg	0.26 UJ	0.29 UJ	0.37 J	0.27 UJ	0.19 UJ	0.27 UJ
Arsenic	mg/Kg	9	6.5	3	4.6	5.3	4.1
Barium	mg/Kg	158	127	104	133	85.1	97.8
Beryllium	mg/Kg	0.99 J	0.85 J	0.57 J	0.78 J	0.61 J	0.69 J
Cadmium	mg/Kg	0.63 J	0.48 J	0.5 J	0.58 J	0.33 J	0.37 J
Calcium	mg/Kg	7220	7170	6950	8230	68900	9030
Chromium	mg/Kg	27.4	23.1	15.9	23	19.5	21
Cobalt	mg/Kg	19.7	10.9 J	8 J	10.8 J	9.6	7.6 J
Copper	mg/Kg	30.1	20.3	20.1	24.1	20.4	18.5
Iron	mg/Kg	37100	28900	17300	23800	25300	22100
Lead	mg/Kg	28.7	23.2	17.4	22.2	9.8	16.7
Magnesium	mg/Kg	6870	5390	3500	4880	10500	5180
Manganese	mg/Kg	1480	501	357	433	615	198
Mercury	mg/Kg	0.06 J	0.04 J	0.06 J	0.06 J	0.03 J	0.07 J
Nickel	mg/Kg	44.3	27.4	23.2	26.8	29.7	24.8
Potassium	mg/Kg	2140	2080	1290 J	2320	2160	2440
Selenium	mg/Kg	0.44 U	0.49 U	1 J	0.78 J	0.32 U	0.45 U
Silver	mg/Kg	0.18 U	0.2 U	0.2 U	0.19 U	0.13 U	0.19 U
Sodium	mg/Kg	41.3 U	45.5 U	45.3 U	43.4 U	50 J	42.2 U
Thallium	mg/Kg	0.42 U	0.73 J	0.68 J	0.47 J	0.3 U	0.75 J
Vanadium	mg/Kg	37.4	32.4	21.4	32.1	20.6	27.1
Zinc	mg/Kg	122	124	96.7	105	64.3	178
Cyanide	mg/Kg	0.84 U	0.79 U	0.89 U	0.76 U	0.67 U	0.63 U
OTHER ANALYSES							
Nitrate/Nitrite - Nitrogen	mg/Kg	0.1	0.03	0.04 J	0.15 J	0.06	0.02 U
Total Petroleum Hydrocarbons	mg/Kg						
Total Solids	%W/W	59.5	82.2	48.6	48.1	69.5	62.1

SENECA ARMY DEPOT
SEAD-44 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-44 0-0.2 04/13/94 SS44A-1 217678 43535	SOIL SEAD-44 0-0.2 04/13/94 SS44A-20 217685 43535	SOIL SEAD-44 0-0.2 04/13/94 SS44A-2 217680 43535	SOIL SEAD-44 0-0.2 04/13/94 SS44A-3 217681 43535	SOIL SEAD-44 0-0.2 04/13/94 SS44A-4 217682 43535	SOIL SEAD-44 0-0.2 04/13/94 SS44A-5 217683 43535	SOIL SEAD-44 0-0.2 04/13/94 SS44A-6 217684 43535	SOIL SEAD-44 0-0.2 04/13/94 SS44B-1 217686 43535	SOIL SEAD-44 0-0.2 04/13/94 SS44B-1RE 217686 43535	SOIL SEAD-44 0-0.2 04/13/94 SS44B-2 217687 43535
VOLATILE ORGANICS										
Chloromethane	16 U	16 U	15 U	18 U	16 U	21 U	16 U	12 UJ	12 U	18 U
Bromomethane	16 U	16 U	15 U	18 U	16 U	21 U	16 U	12 UJ	12 U	18 U
Vinyl Chloride	16 U	16 U	15 U	18 U	16 U	21 U	16 U	12 UJ	12 U	18 U
Chloroethane	16 U	16 U	15 U	18 U	16 U	21 U	16 U	12 UJ	12 U	18 U
Methylene Chloride	16 U	16 U	15 U	18 U	16 U	21 U	16 U	12 UJ	12 U	18 U
Acetone	73	35	11 J	26	18	200	16 J	720 R	45	38
Carbon Disulfide	16 U	16 U	15 U	18 U	16 U	21 U	16 U	12 UJ	12 U	18 U
1,1-Dichloroethane	16 U	16 U	15 U	18 U	16 U	21 U	16 U	12 UJ	12 U	18 U
1,1-Dichloroethane	16 U	16 U	15 U	18 U	16 U	21 U	16 U	12 UJ	12 U	18 U
1,2-Dichloroethane (total)	16 U	16 U	15 U	18 U	16 U	21 U	16 U	12 UJ	12 U	18 U
Chloroform	16 U	16 U	15 U	18 U	16 U	21 U	16 U	12 UJ	12 U	18 U
1,2-Dichloroethane	16 U	16 U	15 U	18 U	16 U	21 U	16 U	12 UJ	12 U	18 U
2-Butanone	16 U	16 U	15 U	18 U	16 U	28	16 U	12 UJ	10 J	18 U
1,1,1-Trichloroethane	16 U	16 U	15 U	18 U	16 U	21 U	16 U	12 UJ	12 U	18 U
Carbon Tetrachloride	16 U	16 U	15 U	18 U	16 U	21 U	16 U	12 UJ	12 U	18 U
Bromodichloromethane	16 U	16 U	15 U	18 U	16 U	21 U	16 U	12 UJ	12 U	18 U
1,2-Dichloropropane	16 U	16 U	15 U	18 U	16 U	21 U	16 U	12 UJ	12 U	18 U
cis-1,3-Dichloropropene	16 U	16 U	15 U	18 U	16 U	21 U	16 U	12 UJ	12 U	18 U
Trichloroethene	16 U	16 U	15 U	18 U	16 U	21 U	16 U	12 UJ	12 U	18 U
Dibromochloromethane	16 U	16 U	15 U	18 U	16 U	21 U	16 U	12 UJ	12 U	18 U
1,1,2-Trichloroethane	16 U	16 U	15 U	18 U	16 U	21 U	16 U	12 UJ	12 U	18 U
Benzene	16 U	16 U	15 U	18 U	16 U	21 U	16 U	12 UJ	12 U	18 U
trans-1,3-Dichloropropene	16 U	16 U	15 U	18 U	16 U	21 U	16 U	12 UJ	12 U	18 U
Bromoform	16 U	16 U	15 U	18 U	16 U	21 U	16 U	12 UJ	12 U	18 U
4-Methyl-2-Pentanone	16 U	16 U	15 U	18 U	16 U	21 U	16 U	12 UJ	12 U	18 U
2-Hexanone	16 U	16 U	15 U	18 U	16 U	21 U	16 U	12 UJ	12 U	18 U
Tetrachloroethene	16 U	16 U	15 U	18 U	16 U	21 U	16 U	12 UJ	12 U	18 U
1,1,2,2-Tetrachloroethane	16 U	16 U	15 U	18 U	16 U	21 U	16 U	12 UJ	12 U	18 U
Toluene	16 U	16 U	15 U	18 U	16 U	21 U	16 U	12 UJ	12 U	18 U
Chlorobenzene	16 U	16 U	15 U	18 U	16 U	21 U	16 U	12 UJ	12 U	18 U
Ethylbenzene	16 U	16 U	15 U	18 U	16 U	21 U	16 U	12 UJ	12 U	18 U
Styrene	16 U	16 U	15 U	18 U	16 U	21 U	16 U	12 UJ	12 U	18 U
Xylene (total)	16 U	16 U	15 U	18 U	16 U	21 U	16 U	12 UJ	12 U	18 U
HERBICIDES										
2,4-D	ug/Kg									
2,4-DB	ug/Kg									
2,4,5-T	ug/Kg									
2,4,5-TP (Silvex)	ug/Kg									
Dalapon	ug/Kg									
Dicamba	ug/Kg									
Dichloroprop	ug/Kg									
Dinoseb	ug/Kg									
MCPA	ug/Kg									
MCPP	ug/Kg									
NITROAROMATICS										
HMX	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
RDX	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
1,3,5-Trinitrobenzene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
1,3-Dinitrobenzene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
Tetryl	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,4,6-Trinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	110 J	130 U	130 U	130 U
4-amino-2,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2-amino-4,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,4-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U

SENECA ARMY DEPOT
SEAD-44 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION	SOIL SEAD-44	SOIL SEAD-44	SOIL SEAD-44	SOIL SEAD-44	SOIL SEAD-44	SOIL SEAD-44	SOIL SEAD-44	SOIL SEAD-44	SOIL SEAD-44	SOIL SEAD-44	SOIL SEAD-44
DEPTH (FEET)	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
SAMPLE DATE	04/13/94	04/13/94	04/13/94	04/13/94	04/13/94	04/13/94	04/13/94	04/13/94	04/13/94	04/13/94	04/13/94
ES ID	SS44A-1	SS44A-20	SS44A-2	SS44A-3	SS44A-4	SS44A-5	SS44A-6	SS44B-1	SS44B-1RE	SS44B-2	
LAB ID	217678	217685	217680	217681	217682	217683	217684	217686	217687	217688	
SDG NUMBER	43535	43535	43535	43535	43535	43535	43535	43535	43535	43535	
COMPOUND UNITS		SS44A-1DUP									
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
bis(2-Chloroethyl) ether	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
2-Chlorophenol	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
1,3-Dichlorobenzene	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
1,4-Dichlorobenzene	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
1,2-Dichlorobenzene	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
2-Methylphenol	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
4-Methylphenol	ug/Kg	520 U	510 U	520 U	250 J	560 U	660 U	64 J	420 U	630 U	
N-Nitroso-di-n-propylamine	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
Hexachloroethane	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
Nitrobenzene	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
Isophorone	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
2-Nitrophenol	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
2,4-Dimethylphenol	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
bis(2-Chloroethoxy) methane	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
2,4-Dichlorophenol	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
1,2,4-Trichlorobenzene	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
Naphthalene	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
4-Chloroaniline	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
Hexachlorobutadiene	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
4-Chloro-3-methylphenol	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
2-Methylnaphthalene	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
Hexachlorocyclopentadiene	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
2,4,6-Trichlorophenol	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
2,4,5-Trichlorophenol	ug/Kg	1200 U	1200 U	1200 U	1400 U	1400 U	1600 U	1400 U	1000 U	1500 U	
2-Chloronaphthalene	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
2-Nitroaniline	ug/Kg	1200 U	1200 U	1200 U	1400 U	1400 U	1600 U	1400 U	1000 U	1500 U	
Dimethylphthalate	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
Acenaphthylene	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
2,6-Dinitrotoluene	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
3-Nitroaniline	ug/Kg	1200 U	1200 U	1200 U	1400 U	1400 U	1600 U	1400 U	1000 U	1500 U	
Acenaphthene	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
2,4-Dinitrophenol	ug/Kg	1200 U	1200 U	1200 U	1400 U	1400 U	1600 U	1400 U	1000 U	1500 U	
4-Nitrophenol	ug/Kg	1200 U	1200 U	1200 U	1400 U	1400 U	1600 U	1400 U	1000 U	1500 U	
Dibenzofuran	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
2,4-Dinitrotoluene	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
Diethylphthalate	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
4-Chlorophenyl-phenylether	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
Fluorene	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
4-Nitroaniline	ug/Kg	1200 U	1200 U	1200 U	1400 U	1400 U	1600 U	1400 U	1000 U	1500 U	
4,6-Dinitro-2-methylphenol	ug/Kg	1200 U	1200 U	1200 U	1400 U	1400 U	1600 U	1400 U	1000 U	1500 U	
N-Nitrosodiphenylamine	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
4-Bromophenyl-phenylether	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
Hexachlorobenzene	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
Pentachlorophenol	ug/Kg	1200 U	1200 U	1200 U	1400 U	1400 U	1600 U	1400 U	1000 U	1500 U	
Phenanthrene	ug/Kg	520 U	510 U	120 J	580 U	580 U	660 U	570 U	34 J	630 U	
Anthracene	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
Carbazole	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
Di-n-butylphthalate	ug/Kg	520 U	26 J	520 U	580 U	580 U	660 U	53 J	570 U	420 U	
Fluoranthene	ug/Kg	520 U	23 J	150 J	580 U	580 U	660 U	570 U	82 J	630 U	
Pyrene	ug/Kg	520 U	26 J	120 J	580 U	580 U	660 U	570 U	89 J	630 U	
Butylbenzylphthalate	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
3,3'-Dichlorobenzidine	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
Benzo(a)anthracene	ug/Kg	520 U	510 U	56 J	580 U	580 U	660 U	570 U	33 J	630 U	
Chrysene	ug/Kg	520 U	510 U	53 J	580 U	580 U	660 U	570 U	52 J	630 U	
bis(2-Ethylhexyl)phthalate	ug/Kg	520 U	54 J	520 U	580 U	580 U	32 J	30 J	34 J	630 U	
Di-n-octylphthalate	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
Benzo(b)fluoranthene	ug/Kg	520 U	510 U	43 J	580 U	580 U	660 U	570 U	51 J	630 U	
Benzo(k)fluoranthene	ug/Kg	520 U	510 U	52 J	580 U	580 U	660 U	570 U	40 J	630 U	
Benzo(a)pyrene	ug/Kg	520 U	510 U	49 J	580 U	580 U	660 U	570 U	32 J	630 U	
Indeno(1,2,3-cd)pyrene	ug/Kg	520 U	510 U	26 J	580 U	580 U	660 U	570 U	24 J	630 U	
Dibenz(a,h)anthracene	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	
Benzo(g,h,i)perylene	ug/Kg	520 U	510 U	520 U	580 U	580 U	660 U	570 U	420 U	630 U	

SENECA ARMY DEPOT
SEAD-44 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SOIL SEAD-44 0-0.2 04/13/94 SS44A-1 217678 43535	SOIL SEAD-44 0-0.2 04/13/94 SS44A-20 217685 43535 SS44A-1DUP	SOIL SEAD-44 0-0.2 04/13/94 SS44A-2 217680 43535	SOIL SEAD-44 0-0.2 04/13/94 SS44A-3 217681 43535	SOIL SEAD-44 0-0.2 04/13/94 SS44A-4 217682 43535	SOIL SEAD-44 0-0.2 04/13/94 SS44A-5 217683 43535	SOIL SEAD-44 0-0.2 04/13/94 SS44A-6 217684 43535	SOIL SEAD-44 0-0.2 04/13/94 SS44B-1 217686 43535	SOIL SEAD-44 0-0.2 04/13/94 SS44B-1RE 217687 43535	SOIL SEAD-44 0-0.2 04/13/94 SS44B-2 217687 43535
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2.7 U	2.6 U	2.7 U	2.9 U	3 U	3.4 U	2.9 U	2.2 U		3.3 U
beta-BHC	ug/Kg	2.7 U	2.6 U	2.7 U	2.9 U	3 U	3.4 U	2.9 U	2.2 U		3.3 U
delta-BHC	ug/Kg	2.7 U	2.6 U	2.7 U	2.9 U	3 U	3.4 U	2.9 U	2.2 U		3.3 U
gamma-BHC (Lindane)	ug/Kg	2.7 U	2.6 U	2.7 U	2.9 U	3 U	3.4 U	2.9 U	2.2 U		3.3 U
Heptachlor	ug/Kg	2.7 U	2.6 U	2.7 U	2.9 U	3 U	3.4 U	2.9 U	2.2 U		3.3 U
Aldrin	ug/Kg	2.7 U	2.6 U	2.7 U	2.9 U	3 U	3.4 U	2.9 U	2.2 U		3.3 U
Heptachlor epoxide	ug/Kg	2.7 U	2.6 U	2.7 U	2.9 U	3 U	3.4 U	2.9 U	2.2 U		3.3 U
Endosulfan I	ug/Kg	2.7 U	2.6 U	2.7 U	2.9 U	3 U	3.4 U	2.9 U	2.2 U		3.3 U
Dieldrin	ug/Kg	20 J	5.1 U	5.2 U	9.9 J	59	29	70	4.2 U		6.3 U
4,4'-DDE	ug/Kg	5.2 U	5.1 U	5.2 U	5.7 U	5.8 U	6.6 U	5.7 U	4.8		6.3 U
Endrin	ug/Kg	5.2 U	5.1 U	5.2 U	5.7 U	5.8 U	6.6 U	5.7 U	4.2 U		6.3 U
Endosulfan II	ug/Kg	5.2 U	5.1 U	5.2 U	5.7 U	5.8 U	6.6 U	5.7 U	4.2 U		6.3 U
4,4'-DDD	ug/Kg	5.2 U	5.1 U	5.2 U	5.7 U	5.8 U	6.6 U	5.7 U	28		6.3 U
Endosulfan sulfate	ug/Kg	5.2 U	5.1 U	5.2 U	5.7 U	5.8 U	6.6 U	5.7 U	4.2 U		6.3 U
4,4'-DDT	ug/Kg	5.2 U	5.1 U	5.2 U	5.7 U	5.8 U	6.6 U	5.7 U	27		6.3 U
Methoxychlor	ug/Kg	27 U	26 U	27 U	29 U	30 U	34 U	29 U	22 U		33 U
Endrin ketone	ug/Kg	5.2 U	5.1 U	5.2 U	5.7 U	5.8 U	6.6 U	5.7 U	4.2 U		6.3 U
Endrin aldehyde	ug/Kg	5.2 U	5.1 U	5.2 U	5.7 U	5.8 U	6.6 U	5.7 U	4.2 U		6.3 U
alpha-Chlordane	ug/Kg	2.7 U	2.6 U	2.7 U	2.9 U	3 U	3.4 U	2.9 U	2.2 U		3.3 U
gamma-Chlordane	ug/Kg	2.7 U	2.6 U	2.7 U	2.9 U	3 U	3.4 U	2.9 U	2.2 U		3.3 U
Toxaphene	ug/Kg	270 U	260 U	270 U	290 U	300 U	340 U	290 U	220 U		330 U
Aroclor-1016	ug/Kg	52 U	51 U	52 U	57 U	58 U	66 U	57 U	42 U		63 U
Aroclor-1221	ug/Kg	100 U	100 U	100 U	120 U	120 U	130 U	120 U	86 U		130 U
Aroclor-1232	ug/Kg	52 U	51 U	52 U	57 U	58 U	66 U	57 U	42 U		63 U
Aroclor-1242	ug/Kg	52 U	51 U	52 U	57 U	58 U	66 U	57 U	42 U		63 U
Aroclor-1248	ug/Kg	52 U	51 U	52 U	57 U	58 U	66 U	57 U	42 U		63 U
Aroclor-1254	ug/Kg	52 U	51 U	52 U	57 U	58 U	66 U	57 U	42 U		63 U
Aroclor-1260	ug/Kg	52 U	51 U	52 U	57 U	58 U	66 U	57 U	42 U		63 U
METALS											
Aluminum	mg/Kg	14500	16000	15300	15300	12900	17400	11500	11000		16400
Antimony	mg/Kg	0.21 UJ	0.18 UJ	0.27 UJ	0.23 UJ	0.2 UJ	0.25 UJ	0.19 UJ	0.22 UJ		0.2 UJ
Arsenic	mg/Kg	6.5	4.6	4.9	4.8	4.5	5.7	3.5	6.8		8.2
Barium	mg/Kg	93.4	94.1	92.5	148	108	164	116	60.6		136
Beryllium	mg/Kg	0.56 J	0.56 J	0.63 J	0.72 J	0.63 J	0.91 J	0.57 J	0.54 J		0.77 J
Cadmium	mg/Kg	0.24 J	0.26 J	0.26 J	0.36 J	0.39 J	0.48 J	0.36 J	0.33 J		0.34 J
Calcium	mg/Kg	3310	3460	6230	5690	4900	7160	5950	10900		5100
Chromium	mg/Kg	17.6	18.5	20.1	20.5	17.9	23.7	15	20		20.7
Cobalt	mg/Kg	7.9 J	7.2 J	7.7 J	8.6 J	8.3 J	8.8 J	5.1 J	10.8 J		7.8 J
Copper	mg/Kg	20.6	14.2	14.5	18.9	17.2	20	14	26.2		21.7
Iron	mg/Kg	23300	20700	24200	23800	21900	27400	16500	24100		23100
Lead	mg/Kg	21.4	21.8	18.8	18	16.5	22.5	13.9	39.5		21.4
Magnesium	mg/Kg	2940	3270	3970	4090	3630	4370	2690	5200		3910
Manganese	mg/Kg	370 J	251 J	298 J	489 J	326 J	678 J	301 J	372 J		318 J
Mercury	mg/Kg	0.05 J	0.03 J	0.03 J	0.05 J	0.04 J	0.07 J	0.05 J	0.02 J		0.04 J
Nickel	mg/Kg	18	20.7	20.4	24	21.2	26	14.4	34.8		20.8
Potassium	mg/Kg	1320	1450	1410	1980	1410	1980	1200	1380		1880
Selenium	mg/Kg	1 J	0.81 J	0.99 J	0.93 J	1.5	1.7	1.3	1.1 J		1.2
Silver	mg/Kg	0.84 U	0.7 U	1 U	0.89 U	0.76 U	0.99 U	0.74 U	0.87 U		0.78 U
Sodium	mg/Kg	34 U	28.3 U	42.1 U	36 U	31 U	40 U	30.2 U	35.3 U		31.5 U
Thallium	mg/Kg	0.34 U	0.29 U	0.42 U	0.36 U	0.31 U	0.4 U	0.3 U	0.36 U		0.32 U
Vanadium	mg/Kg	27.6	27.1	26.8	25.3	21.4	30.2	21	20.3		28
Zinc	mg/Kg	72.6	85	72.4	88.6	80.5	94	59.2	145		73.4
Cyanide	mg/Kg	0.62 U	0.77 U	0.73 U	0.85 U	0.73 U	0.8 U	0.78 U	0.58 U		0.93 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg	0.19	0.19	0.11	0.3	0.11	0.1	1.14	0.47		0.06
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	63.9	64.7	64.4	57.5	56.8	50.1	58	78.1		52.4

SENECA ARMY DEPOT
SEAD-44 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-44 0-0.2 04/13/94 SS44B-3 217688 43535	SOIL SEAD-44 3 02/19/94 TP44A-1 211984 42493	SOIL SEAD-44 3 02/17/94 TP44A-2 211734 42460	SOIL SEAD-44 3 02/17/94 TP44A-3 211735 42460	SOIL SEAD-44 3 02/18/94 TP44A-4 211985 42493	SOIL SEAD-44 3 02/18/94 TP44A-5 211986 42493	SOIL SEAD-44 3 02/18/94 TP44A-6 211987 42493	SOIL SEAD-44 3 02/18/94 TP44A-7 212004 42494	SOIL SEAD-44 7 02/20/94 TP44A-8 212042 42494	SOIL SEAD-44 3 02/19/94 TP44A-9 212005 42494	
VOLATILE ORGANICS											
Chloromethane	14 U	12 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U	12 U	
Bromomethane	14 U	12 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U	12 U	
Vinyl Chloride	14 U	12 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U	12 U	
Chloroethane	14 U	12 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U	12 U	
Methylene Chloride	14 U	12 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U	12 U	
Acetone	47	12 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U	12 U	
Carbon Disulfide	14 U	12 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U	12 U	
1,1-Dichloroethene	14 U	12 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U	12 U	
1,1-Dichloroethane	14 U	12 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U	12 U	
1,2-Dichloroethene (total)	14 U	12 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U	12 U	
Chloroform	14 U	12 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U	12 U	
1,2-Dichloroethane	14 U	12 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U	12 U	
2-Butanone	14 U	12 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U	12 U	
1,1,1-Trichloroethane	14 U	12 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U	12 U	
Carbon Tetrachloride	14 U	12 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U	12 U	
Bromodichloromethane	14 U	12 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U	12 U	
1,2-Dichloropropane	14 U	12 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U	12 U	
cis-1,3-Dichloropropene	14 U	12 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U	12 U	
Trichloroethene	14 U	12 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U	12 U	
Dibromochloromethane	14 U	12 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U	12 U	
1,1,2-Trichloroethane	14 U	12 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U	12 U	
Benzene	14 U	12 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U	12 U	
trans-1,3-Dichloropropene	14 U	12 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U	12 U	
Bromoform	14 U	12 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U	12 U	
4-Methyl-2-Pentanone	14 U	12 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U	4 J	
2-Hexanone	14 U	12 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U	4 J	
Tetrachloroethene	14 U	12 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U	12 U	
1,1,2,2-Tetrachloroethane	14 U	12 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U	2 J	
Toluene	14 U	12 U	13 U	13 U	12 U	12 U	12 U	1 J	12 U	12 U	
Chlorobenzene	14 U	12 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U	12 U	
Ethylbenzene	14 U	12 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U	12 U	
Styrene	14 U	12 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U	12 U	
Xylenes (total)	14 U	12 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U	12 U	
HERBICIDES											
2,4-D	ug/Kg										
2,4-DB	ug/Kg										
2,4,5-T	ug/Kg										
2,4,5-TP (Silvex)	ug/Kg										
Dalapon	ug/Kg										
Dicamba	ug/Kg										
Dichloroprop	ug/Kg										
Dinoseb	ug/Kg										
MCPA	ug/Kg										
MCPP	ug/Kg										
NITROAROMATICS											
HMX	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	
RDX	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	
1,3,5-Trinitrobenzene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	
1,3-Dinitrobenzene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	
Tetryl	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	
2,4,6-Trinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	
4-amino-2,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	
2-amino-4,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	
2,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	
2,4-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	

SENECA ARMY DEPOT
SEAD-44 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-44 0-0.2 04/13/94 SS44B-3 217688 43535	SOIL SEAD-44 02/19/94 TP44A-1 211984 42493	SOIL SEAD-44 02/17/94 TP44A-2 211734 42460	SOIL SEAD-44 02/17/94 TP44A-3 211735 42460	SOIL SEAD-44 02/18/94 TP44A-4 211985 42493	SOIL SEAD-44 02/18/94 TP44A-5 211986 42493	SOIL SEAD-44 02/18/94 TP44A-6 211987 42493	SOIL SEAD-44 02/18/94 TP44A-7 212004 42494	SOIL SEAD-44 02/20/94 TP44A-8 212042 42494	SOIL SEAD-44 02/19/94 TP44A-9 212005 42494
SEMIVOLATILE ORGANICS										
Phenol	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
bis(2-Chloroethyl) ether	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
2-Chlorophenol	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
1,3-Dichlorobenzene	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
1,4-Dichlorobenzene	ug/Kg 480 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
1,2-Dichlorobenzene	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
2-Methylphenol	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
2,2'-oxybis(1-Chloropropane)	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
4-Methylphenol	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
N-Nitroso-di-n-propylamine	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
Hexachloroethane	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
Nitrobenzene	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
Isophorone	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
2-Nitrophenol	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
2,4-Dimethylphenol	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
bis(2-Chloroethoxy) methane	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
2,4-Dichlorophenol	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
1,2,4-Trichlorobenzene	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
Naphthalene	ug/Kg 460 U	330 J	420 U	420 U	390 U	400 U	410 U	430 U	430 U	22 J
4-Chloroaniline	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
Hexachlorobutadiene	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
4-Chloro-3-methylphenol	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
2-Methylnaphthalene	ug/Kg 460 U	150 J	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
Hexachlorocyclopentadiene	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
2,4,6-Trichlorophenol	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
2,4,5-Trichlorophenol	ug/Kg 1100 U	950 U	1000 U	1000 U	940 U	960 U	990 U	1000 U	1000 U	980 U
2-Chloronaphthalene	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
2-Nitroaniline	ug/Kg 1100 U	950 U	1000 U	1000 U	940 U	960 U	990 U	1000 U	1000 U	980 U
Dimethylphthalate	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
Acenaphthylene	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	72 J	46 J	58 J
2,6-Dinitrotoluene	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
3-Nitroaniline	ug/Kg 1100 U	950 U	1000 U	1000 U	940 U	960 U	990 U	1000 U	1000 U	980 U
Acenaphthene	ug/Kg 460 U	380 J	36 J	420 U	390 U	21 J	410 U	40 J	22 J	23 J
2,4-Dinitrophenol	ug/Kg 1100 U	950 U	1000 U	1000 U	940 U	960 U	990 U	1000 U	1000 U	980 U
4-Nitrophenol	ug/Kg 1100 U	950 U	1000 U	1000 U	940 U	960 U	990 U	1000 U	1000 U	980 U
Dibenzofuran	ug/Kg 460 U	280 J	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
2,4-Dinitrotoluene	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
Diethylphthalate	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
4-Chlorophenyl-phenylether	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
Fluorene	ug/Kg 460 U	410	34 J	420 U	390 U	21 J	410 U	55 J	30 J	38 J
4-Nitroaniline	ug/Kg 1100 U	950 U	1000 U	1000 U	940 U	960 U	990 U	1000 U	1000 U	980 U
4,6-Dinitro-2-methylphenol	ug/Kg 1100 U	950 U	1000 U	1000 U	940 U	960 U	990 U	1000 U	1000 U	980 U
N-Nitrosodiphenylamine	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
4-Bromophenyl-phenylether	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
Hexachlorobenzene	ug/Kg 460 U	390 U	420 U	420 U	390 U	36 J	24 J	430 U	430 U	400 U
Pentachlorophenol	ug/Kg 1100 U	950 U	1000 U	1000 U	940 U	960 U	990 U	1000 U	1000 U	980 U
Phenanthrene	ug/Kg 330 J	2100	240 J	170 J	68 J	510	100 J	980	510	580
Anthracene	ug/Kg 35 J	640	89 J	20 J	390 U	43 J	410 U	140 J	77 J	100 J
Carbazole	ug/Kg 460 U	370 J	38 J	420 U	390 U	26 J	410 U	190 J	150 J	150 J
Di-n-butylphthalate	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
Fluoranthene	ug/Kg 350 J	1900	300 J	330 J	120 J	400	190 J	2400	1200	1400
Pyrene	ug/Kg 380 J	1300	220 J	250 J	100 J	310 J	160 J	2000	910	1000
Butylbenzyl phthalate	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
3,3'-Dichlorobenzidine	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
Benzo(a)anthracene	ug/Kg 130 J	970	130 J	110 J	52 J	160 J	77 J	990	520	560
Chrysene	ug/Kg 150 J	840	140 J	170 J	77 J	200 J	94 J	1200	650	740
bis(2-Ethylhexyl)phthalate	ug/Kg 42 J	480	420 U	420 U	280 J	500	200 J	150 J	940	720
Di-n-octylphthalate	ug/Kg 460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
Benzo(b)fluoranthene	ug/Kg 99 J	790	120 J	170 J	82 J	190 J	88 J	1100	580	600
Benzo(k)fluoranthene	ug/Kg 110 J	610	100 J	130 J	66 J	180 J	81 J	1100	640	620
Benzo(a)pyrene	ug/Kg 98 J	780	100 J	130 J	68 J	180 J	84 J	1100	600	680
Indeno(1,2,3-cd)pyrene	ug/Kg 64 J	350 J	51 J	83 J	49 J	120 J	61 J	490	250 J	400 J
Dibenz(a,h)anthracene	ug/Kg 28 J	160 J	21 J	32 J	390 U	58 J	410 U	430 U	430 U	400 U
Benzo(g,h,i)perylene	ug/Kg 56 J	300 J	46 J	87 J	49 J	110 J	58 J	510	220 J	400 J

SENECA ARMY DEPOT
SEAD-44 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SOIL SEAD-44 0-0.2 04/13/94 SS44B-3 217688 43535	SOIL SEAD-44 3 02/19/94 TP44A-1 211984 42493	SOIL SEAD-44 3 02/17/94 TP44A-2 211734 42460	SOIL SEAD-44 3 02/17/94 TP44A-3 211735 42480	SOIL SEAD-44 3 02/18/94 TP44A-4 211985 42493	SOIL SEAD-44 3 02/18/94 TP44A-5 211986 42493	SOIL SEAD-44 3 02/18/94 TP44A-6 211987 42493	SOIL SEAD-44 3 02/18/94 TP44A-7 212004 42494	SOIL SEAD-44 7 02/20/94 TP44A-8 212042 42494	SOIL SEAD-44 3 02/19/94 TP44A-9 212005 42494
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2.4 U	2 U	2.2 U	2.2 U	2 U	2 U	2.1 U	2.2 U	2.2 U	2.1 U
beta-BHC	ug/Kg	2.4 U	2 U	2.2 U	2.2 U	2 U	2 U	2.1 U	2.2 U	2.2 U	2.1 U
delta-BHC	ug/Kg	2.4 U	2 U	2.2 U	2.2 U	2 U	2 U	2.1 U	2.2 U	2.2 U	2.1 U
gamma-BHC (Lindane)	ug/Kg	2.4 U	2 U	2.2 U	2.2 U	2 U	2 U	2.1 U	2.2 U	2.2 U	2.1 U
Heptachlor	ug/Kg	2.4 U	2 U	2.2 U	2.2 U	2 U	2 U	2.1 U	2.2 U	2.2 U	2.1 U
Aldrin	ug/Kg	2.4 U	2 U	2.2 U	2.2 U	2 U	2 U	2.1 U	2.2 U	2.2 U	2.1 U
Heptachlor epoxide	ug/Kg	2.4 U	1.2 J	2.2 U	2.2 U	2 U	2 U	2.1 U	2.2 U	2.2 U	2.1 U
Endosulfan I	ug/Kg	2.4 U	5.4	2.2 U	2.1 J	2.5	2 U	1.6 J	2.2 U	2.2 U	2.1 U
Dieldrin	ug/Kg	57	3.9 U	4.2 U	4.2 U	3.9 U	5.8 J	4.1 U	4.3 U	4.3 U	12 J
4,4'-DDE	ug/Kg	4.6 U	3.9 U	4.2 U	4.2 U	3.9 U	4 U	2.8 J	2.8 J	4.3 U	3.1 J
Endrin	ug/Kg	4.8 U	3.9 U	4.2 U	4.2 U	3.9 U	4 U	4.1 U	3.5 J	4.3 U	4 U
Endosulfan II	ug/Kg	4.6 U	3.9 U	4.2 U	4.2 U	3.9 U	4 U	4.1 U	2.8 J	2.7 J	4 U
4,4'-DDD	ug/Kg	4.6 U	3.9 U	4.2 U	4.2 U	3.9 U	4 U	4.1 U	4.3 U	4.3 U	4 U
Endosulfan sulfate	ug/Kg	4.6 U	3.9 U	4.2 U	4.2 U	3.9 U	4 U	4.1 U	4.3 U	4.3 U	4 U
4,4'-DDT	ug/Kg	4.8 U	3.9 U	4.2 U	4.2 U	3.9 U	4 U	4.1 U	5.6	2.6 J	3.6 J
Methoxychlor	ug/Kg	24 U	20 U	22 U	22 U	20 U	20 U	21 U	22 U	22 U	21 U
Endrin ketone	ug/Kg	4.8 U	3.9 U	4.2 U	4.2 U	3.9 U	4 U	4.1 U	4.3 U	5.2 J	4 U
Endrin aldehyde	ug/Kg	4.8 U	3.9 U	4.2 U	4.2 U	3.9 U	4 U	4.1 U	4.5 J	4.3 U	3.5 J
alpha-Chlordane	ug/Kg	2.4 U	2 U	2.2 U	2.2 U	2 U	2 U	2.1 U	2.2 U	2.2 U	2.1 U
gamma-Chlordane	ug/Kg	2.4 U	2 U	2.2 U	2.2 U	2 U	2 U	2.1 U	2.2 U	2.2 U	2.1 U
Toxaphene	ug/Kg	240 U	200 U	220 U	220 U	200 U	200 U	210 U	220 U	220 U	210 U
Aroclor-1016	ug/Kg	46 U	39 U	42 U	42 U	39 U	40 U	41 U	43 U	43 U	40 U
Aroclor-1221	ug/Kg	93 U	80 U	86 U	85 U	79 U	81 U	83 U	87 U	87 U	82 U
Aroclor-1232	ug/Kg	46 U	39 U	42 U	42 U	39 U	40 U	41 U	43 U	43 U	40 U
Aroclor-1242	ug/Kg	46 U	39 U	42 U	42 U	39 U	40 U	41 U	43 U	43 U	40 U
Aroclor-1246	ug/Kg	46 U	39 U	42 U	42 U	39 U	40 U	41 U	43 U	43 U	40 U
Aroclor-1254	ug/Kg	46 U	39 U	42 U	42 U	39 U	40 U	41 U	43 U	43 U	40 U
Aroclor-1260	ug/Kg	46 U	39 U	42 U	42 U	39 U	40 U	41 U	43 U	43 U	40 U
METALS											
Aluminum	mg/Kg	9820	11600	14800 J	12700 J	13800	11000	17500	16000 J	17200 J	15700 J
Antimony	mg/Kg	0.18 UJ	0.35 J	8.2 J	10.8 J	0.57 J	0.33 J	0.65 J	0.31 J	0.62 J	0.4 J
Arsenic	mg/Kg	13.1	3.8	4.1 J	3.9 J	4	3.7	4.7 J	6 J	6 J	6.1 J
Barium	mg/Kg	70.8	77.9	86.2 J	93.2 J	69.3	62	124	121 J	106 J	130 J
Beryllium	mg/Kg	0.48 J	0.44 J	0.64 J	0.52 J	0.8 J	0.42 J	0.77 J	0.64 J	0.74 J	0.69 J
Cadmium	mg/Kg	0.24 J	0.22 J	0.33 U	0.41 U	0.14 J	0.28 J	0.18 J	0.25 J	0.29 J	0.23 J
Calcium	mg/Kg	33300	31400 J	22100 J	34100 J	25200 J	77400 J	13200 J	35400 J	30100 J	11500 J
Chromium	mg/Kg	15.2	15.5	19.3	16.5	23.9	16.7	27.1	21.4 J	24.7 J	24.2 J
Cobalt	mg/Kg	8.2 J	7.6 J	9.2	7.6 J	11.6	8.4 J	14.5	8.7 J	12.9 J	14.4 J
Copper	mg/Kg	19.9	16.1	24.6	16.5	26.9	17.8	29	21.5 J	24.4 J	25.5 J
Iron	mg/Kg	19600	18400	22600 J	20100 J	28400	19900	34900	24000 J	30000 J	31300 J
Lead	mg/Kg	12.4	17.3	17	18.4	19.3	13.8	23.8	24.9 J	18.7 J	21.4 J
Magnesium	mg/Kg	9680	5920	6630 J	6430 J	7510	40200	7130	6610 J	7330 J	6260 J
Manganese	mg/Kg	364 J	323	403 R	440 R	479	669	528	451 J	741 J	956 J
Mercury	mg/Kg	0.02 J	0.12	0.04 J	0.04 J	0.02 U	0.17	0.04 J	0.06 J	0.04 J	0.04 J
Nickel	mg/Kg	24.3	20 J	25.6	21.3	41.8 J	26.1 J	41.7 J	26.9 J	34.7 J	38.5 J
Potassium	mg/Kg	1550	1550 J	1430	1310	1480 J	2090 J	2310 J	2230 J	2530 J	1830 J
Selenium	mg/Kg	0.44 J	0.69 J	0.26 J	0.29 J	0.56 J	0.97	0.66 J	1.1 J	0.69 J	0.67 J
Silver	mg/Kg	0.71 U	0.14 U	0.87 U	0.81 U	0.13 U	0.14 U	0.15 U	0.16 U	0.1 U	0.12 U
Sodium	mg/Kg	43.2 J	70.7 J	69.7 J	73.5 J	81.8 J	142 J	56.6 J	57.4 J	73.3 J	49.7 J
Thallium	mg/Kg	0.29 U	0.2 U	0.24 U	0.21 U	0.24 U	0.23 U	0.27 U	0.24 U	0.29 U	0.21 U
Vanadium	mg/Kg	16.3	19.5	24.6	22.4	20.1	18.2	29.9	28.9 J	29.4 J	27.3 J
Zinc	mg/Kg	68.9	71.4	76.1 J	70.7 J	73.4	82.3	115	100 J	98.6 J	94.8 J
Cyanide	mg/Kg	0.67 U	0.57 U	0.61 U	0.61 U	0.59 U	0.59 U	0.61 U	0.64 U	0.58 U	0.6 U
OTHER ANALYSES											
Nitrate/Nitrite - Nitrogen	mg/Kg	0.04	10.8	6.8	7.9	0.52	4	3.7	13	12.9	8.1
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	72.5	64.5	77.7	78.8	85.1	83	80.9	77.2	77.4	81.7

SENECA ARMY DEPOT
SEAD-44 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER	WATER SEAD-44 07/12/94 MW44A-1 226786 45282	WATER SEAD-44 07/12/94 MW44A-5 226791 45332	WATER SEAD-44 07/13/94 MW44A-2 226789 45282	WATER SEAD-44 07/13/94 MW44A-2RE 226789 45282	WATER SEAD-44 07/12/94 MW44A-3 226790 45332	WATER SEAD-44 07/12/94 MW44B-1 226792 45332	WATER SEAD-44 03/29/94 MW44B-2 215835 43179	WATER SEAD-44 07/13/94 MW44B-3 226793 45332
VOLATILE ORGANICS								
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	10 U	10 U	8 J	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane (total)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10 U	10 U	3 J	10 U	10 U	10 U	10 U	10 U
Toluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene (total)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
HERBICIDES								
2,4-D	ug/L							
2,4-DB	ug/L							
2,4,5-T	ug/L							
2,4,5-TP (Silvex)	ug/L							
Dalapon	ug/L							
Dicamba	ug/L							
Dichloroprop	ug/L							
Dinoseb	ug/L							
MCPA	ug/L							
MCPP	ug/L							
NITROAROMATICS								
HMX	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
RDX	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,3,5-Trinitrobenzene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,3-Dinitrobenzene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Tetryl	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
2,4,6-Trinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
4-amino-2,6-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
2-amino-4,6-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
2,6-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
2,4-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U

SENECA ARMY DEPOT
SEAD-44 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-44 07/12/94 MW44A-1 226786 45282	WATER SEAD-44 07/12/94 MW44A-5 226781 45332 MW44A-1DUP	WATER SEAD-44 07/13/94 MW44A-2 226789 45282	WATER SEAD-44 07/13/94 MW44A-2RE 226789 45282	WATER SEAD-44 07/12/94 MW44A-3 226790 45282	WATER SEAD-44 07/12/94 MW44B-1 226792 45332	WATER SEAD-44 03/29/94 MW44B-2 215835 43179	WATER SEAD-44 07/13/94 MW44B-3 226793 45332
SEMIVOLATILE ORGANICS								
Phenol	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
bis(2-Chloroethyl) ether	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
2-Chlorophenol	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
1,3-Dichlorobenzene	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
1,4-Dichlorobenzene	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
1,2-Dichlorobenzene	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
2-Methylphenol	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
4-Methylphenol	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
N-Nitroso-d-n-propylamine	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
Hexachloroethane	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
Nitrobenzene	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
Isophorone	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
2-Nitrophenol	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
2,4-Dimethylphenol	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
bis(2-Chloroethoxy) methane	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
2,4-Dichlorophenol	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
Naphthalene	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
4-Chloroaniline	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
Hexachlorobutadiene	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
2-Methylnaphthalene	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	ug/L	28 U	27 U	26 U	28 U	25 U	26 U	26 U
2-Chloronaphthalene	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
2-Nitroaniline	ug/L	28 U	27 U	26 U	28 U	25 U	26 U	26 U
Dimethylphthalate	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
Acenaphthylene	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
2,6-Dinitrotoluene	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
3-Nitroaniline	ug/L	28 U	27 U	26 U	28 U	25 U	26 U	26 U
Acenaphthene	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
2,4-Dinitrophenol	ug/L	28 U	27 U	26 U	28 U	25 U	26 U	26 U
4-Nitrophenol	ug/L	28 U	27 U	26 U	28 U	25 U	26 U	26 U
Dibenzofuran	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
2,4-Dinitrotoluene	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
Diethylphthalate	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
Fluorene	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
4-Nitroaniline	ug/L	28 U	27 U	26 U	28 U	25 U	26 U	26 U
4,6-Dinitro-2-methylphenol	ug/L	28 U	27 U	26 U	28 U	25 U	26 U	26 U
N-Nitrosodiphenyl amine	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
Hexachlorobenzene	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
Pentachlorophenol	ug/L	28 U	27 U	26 U	28 U	25 U	26 U	26 U
Phenanthrene	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
Anthracene	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
Carbazole	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
Di-n-butylphthalate	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
Fluoranthene	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
Pyrene	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
Butylbenzylphthalate	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
Benzo(a)anthracene	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
Chrysene	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	11 U	11 U	10 U	20 U	10 U	16 U	24 U
Di-n-octylphthalate	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
Benzo(b)fluoranthene	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
Benzo(k)fluoranthene	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
Benzo(a)pyrene	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	ug/L	11 U	11 U	10 U	11 U	10 U	10 U	10 U

SENECA ARMY DEPOT
SEAD-44 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	
	LOCATION	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44	
	SAMPLE DATE	07/12/94	07/12/94	07/13/94	07/12/94	07/12/94	07/12/94	07/12/94	
	ES ID	MW44A-1	MW44A-5	MW44A-2	MW44A-2RE	MW44A-3	MW44B-1	MW44B-2	
	LAB ID	226786	226791	226789	226789	226790	226792	215835	
	SDG NUMBER	45282	45332	45282	45282	45282	45332	43179	
	UNITS		MW44A-1DUP						
PESTICIDES/PCB									
alpha-BHC	ug/L	0.051 U	0.054 U	0.051 U		0.054 U	0.05 U	0.051 U	0.053 U
beta-BHC	ug/L	0.051 U	0.054 U	0.051 U		0.054 U	0.05 U	0.051 U	0.053 U
delta-BHC	ug/L	0.051 U	0.054 U	0.051 U		0.054 U	0.05 U	0.051 U	0.053 U
gamma-BHC (Lindane)	ug/L	0.051 U	0.054 U	0.051 U		0.054 U	0.05 U	0.051 U	0.053 U
Heptachlor	ug/L	0.051 U	0.054 U	0.051 U		0.054 U	0.05 U	0.051 U	0.053 U
Aldrin	ug/L	0.051 U	0.054 U	0.051 U		0.054 U	0.05 U	0.051 U	0.053 U
Heptachlor epoxide	ug/L	0.051 U	0.054 U	0.051 U		0.054 U	0.05 U	0.051 U	0.053 U
Endosulfan I	ug/L	0.051 U	0.054 U	0.051 U		0.054 U	0.05 U	0.051 U	0.053 U
Dieldrin	ug/L	0.1 U	0.11 U	0.1 U		0.11 U	0.1 U	0.1 U	0.11 U
4,4'-DDE	ug/L	0.1 U	0.11 U	0.1 U		0.11 U	0.1 U	0.1 U	0.11 U
Endrin	ug/L	0.1 U	0.11 U	0.1 U		0.11 U	0.1 U	0.1 U	0.11 U
Endosulfan II	ug/L	0.1 U	0.11 U	0.1 U		0.11 U	0.1 U	0.1 U	0.11 U
4,4'-DDD	ug/L	0.1 U	0.11 U	0.1 U		0.11 U	0.1 U	0.1 U	0.11 U
Endosulfan sulfate	ug/L	0.1 U	0.11 U	0.1 U		0.11 U	0.1 U	0.1 U	0.11 U
4,4'-DDT	ug/L	0.1 U	0.11 U	0.1 U		0.11 U	0.1 U	0.1 U	0.11 U
Methoxychlor	ug/L	0.51 U	0.54 U	0.51 U		0.54 U	0.5 U	0.51 U	0.53 U
Endrin ketone	ug/L	0.1 U	0.11 U	0.1 U		0.11 U	0.1 U	0.1 U	0.11 U
Endrin aldehyde	ug/L	0.1 U	0.11 U	0.1 U		0.11 U	0.1 U	0.1 U	0.11 U
alpha-Chlordane	ug/L	0.051 U	0.054 U	0.051 U		0.054 U	0.05 U	0.051 U	0.053 U
gamma-Chlordane	ug/L	0.051 U	0.054 U	0.051 U		0.054 U	0.05 U	0.051 U	0.053 U
Toxaphene	ug/L	5.1 U	5.4 U	5.1 U		5.4 U	5 U	5.1 U	5.3 U
Aroclor-1016	ug/L	1 U	1.1 U	1 U		1.1 U	1 U	1 U	1.1 U
Aroclor-1221	ug/L	2 U	2.1 U	2 U		2.2 U	2 U	2 U	2.1 U
Aroclor-1232	ug/L	1 U	1.1 U	1 U		1.1 U	1 U	1 U	1.1 U
Aroclor-1242	ug/L	1 U	1.1 U	1 U		1.1 U	1 U	1 U	1.1 U
Aroclor-1248	ug/L	1 U	1.1 U	1 U		1.1 U	1 U	1 U	1.1 U
Aroclor-1254	ug/L	1 U	1.1 U	1 U		1.1 U	1 U	1 U	1.1 U
Aroclor-1260	ug/L	1 U	1.1 U	1 U		1.1 U	1 U	1 U	1.1 U
METALS									
Aluminum	ug/L	69 J	125 J	2240		243	288 J	1230	80.2 J
Antimony	ug/L	1.3 U	1.3 U	1.3 U		1.3 U	1.3 U	0.99 U	1.3 U
Arsenic	ug/L	2 U	2 U	4.1 J		2 U	2 U	1.5 U	2 U
Barium	ug/L	102 J	104 J	41.6 J		52.4 J	72.6 J	77.7 J	39.3 J
Beryllium	ug/L	0.1 U	0.1 U	0.23 J		0.1 U	0.1 U	0.06 U	0.1 U
Cadmium	ug/L	0.2 U	0.2 U	0.2 U		0.2 U	0.2 U	0.1 U	0.2 U
Calcium	ug/L	92200	91100	132000		102000	120000	92000	114000
Chromium	ug/L	0.4 U	0.4 U	4.8 J		0.74 J	0.4 U	2.5 J	0.4 U
Cobalt	ug/L	0.5 U	0.5 U	4 J		0.95 J	0.91 J	1.6 J	0.5 U
Copper	ug/L	0.5 U	0.5 U	4.5 J		1.9 J	0.5 U	2.4 J	0.5 U
Iron	ug/L	114 J	269 J	4810		419	666	2340	231
Lead	ug/L	0.9 U	0.9 U	4.1		0.89 U	0.9 U	0.79 U	0.89 U
Magnesium	ug/L	19000	18800	75600		34000	31800	22500	32900
Manganese	ug/L	18.2	18.2	217		131	219	29.4	151
Mercury	ug/L	0.04 U	0.04 U	0.06 J		0.05 J	0.04 U	0.03 U	0.04 U
Nickel	ug/L	0.7 U	0.7 U	12.3 J		2.6 J	0.73 J	4.4 J	0.69 U
Potassium	ug/L	1050 J	1040 J	6160		4050 J	2150 J	1360 J	2910 J
Selenium	ug/L	2.7 U	2.7 U	2.7 U		2.7 U	2.7 U	1.7 U	2.7 U
Silver	ug/L	0.5 U	0.63 J	0.5 U		0.5 U	0.66 J	0.7 J	0.5 U
Sodium	ug/L	2310 J	2390 J	18900		4300 J	7190	8350	6110
Thallium	ug/L	1.9 U	1.9 U	1.9 U		1.9 U	4.7 J	1.6 U	1.9 U
Vanadium	ug/L	0.5 U	0.63 J	4.7 J		1.4 J	0.5 U	2.7 J	0.63 J
Zinc	ug/L	3.8 J	2.2 U	12.8 J		4.3 J	2.2 U	10.4 J	4.9 J
Cyanide	ug/L	5 U	5 U	5 U		5 U	5 U	5 U	5 U
OTHER ANALYSES									
Nitrate/Nitrite-Nitrogen	mg/L	0.05 U	0.05	0.01 U		0.1	0.11	0.06	0.13
Total Petroleum Hydrocarbons	mg/L								
pH	Standard Units	7.8	7.8	7.5		7.5	7.1	8	7.2
Conductivity	umhos/cm	410	410	900		550	620	383	600
Temperature	°C	13.4	13.4	14.7		15.4	15.3	5.9	15
Turbidity	NTU	10.7	10.8	693		16.8	16.5	67	2.5

SENECA ARMY DEPOT
SEAD-44 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-44 04/17/94 SW44A-1 218085 43549	WATER SEAD-44 04/17/94 SW44A-2 218086 43549	WATER SEAD-44 04/17/94 SW44A-3 218087 43549	WATER SEAD-44 04/27/94 SW44A-4 219414 43626	WATER SEAD-44 04/17/94 SW44B-1 218088 43549	WATER SEAD-44 04/17/94 SW44B-2 218089 43549
VOLATILE ORGANICS							
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
HERBICIDES							
2,4-D	ug/L						
2,4-DB	ug/L						
2,4,5-T	ug/L						
2,4,5-TP (Silvex)	ug/L						
Dalapon	ug/L						
Dicamba	ug/L						
Dichloroprop	ug/L						
Dinoseb	ug/L						
MCPA	ug/L						
MCPP	ug/L						
NITROAROMATICS							
HMX	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
RDX	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,3,5-Trinitrobenzene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,3-Dinitrobenzene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Tetryl	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
2,4,6-Trinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
4-amino-2,6-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
2-amino-4,6-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
2,6-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
2,4-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U

SENECA ARMY DEPOT
SEAD-44 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER	WATER SEAD-44 04/17/94 SW44A-1 218085 43549	WATER SEAD-44 04/17/94 SW44A-2 218086 43549	WATER SEAD-44 04/17/94 SW44A-3 218087 43549	WATER SEAD-44 04/27/94 SW44A-4 219414 43626	WATER SEAD-44 04/17/94 SW44B-1 218088 43549	WATER SEAD-44 04/17/94 SW44B-2 218089 43549
COMPOUND UNITS						
SEMIVOLATILE ORGANICS						
Phenol	ug/L	11 U	11 U	11 U	11 U	12 U
bis(2-Chloroethyl) ether	ug/L	11 U	11 U	11 U	11 U	12 U
2-Chlorophenol	ug/L	11 U	11 U	11 U	11 U	12 U
1,3-Dichlorobenzene	ug/L	11 U	11 U	11 U	11 U	12 U
1,4-Dichlorobenzene	ug/L	11 U	11 U	11 U	11 U	12 U
1,2-Dichlorobenzene	ug/L	11 U	11 U	11 U	11 U	12 U
2-Methylphenol	ug/L	11 U	11 U	11 U	11 U	12 U
2,2'-oxybis(1-Chloropropane)	ug/L	11 U	11 U	11 U	11 U	12 U
4-Methylphenol	ug/L	11 U	11 U	11 U	11 U	12 U
N-Nitroso-di-n-propylamine	ug/L	11 U	11 U	11 U	11 U	12 U
Hexachloroethane	ug/L	11 U	11 U	11 U	11 U	12 U
Nitrobenzene	ug/L	11 U	11 U	11 U	11 U	12 U
Isophorone	ug/L	11 U	11 U	11 U	11 U	12 U
2-Nitrophenol	ug/L	11 U	11 U	11 U	11 U	12 U
2,4-Dimethylphenol	ug/L	11 U	11 U	11 U	11 U	12 U
bis(2-Chloroethoxy) methane	ug/L	11 U	11 U	11 U	11 U	12 U
2,4-Dichlorophenol	ug/L	11 U	11 U	11 U	11 U	12 U
1,2,4-Trichlorobenzene	ug/L	11 U	11 U	11 U	11 U	12 U
Naphthalene	ug/L	11 U	11 U	11 U	11 U	12 U
4-Chloroaniline	ug/L	11 U	11 U	11 U	11 U	12 U
Hexachlorobutadiene	ug/L	11 U	11 U	11 U	11 U	12 U
4-Chloro-3-methylphenol	ug/L	11 U	11 U	11 U	11 U	12 U
2-Methylnaphthalene	ug/L	11 U	11 U	11 U	11 U	12 U
Hexachlorocyclopentadiene	ug/L	11 U	11 U	11 U	11 U	12 U
2,4,6-Trichlorophenol	ug/L	11 U	11 U	11 U	11 U	12 U
2,4,5-Trichlorophenol	ug/L	26 U	26 U	27 U	26 U	30 U
2-Chloronaphthalene	ug/L	11 U	11 U	11 U	11 U	12 U
2-Nitroaniline	ug/L	28 U	26 U	27 U	28 U	30 U
Dimethylphthalate	ug/L	11 U	11 U	11 U	11 U	12 U
Acenaphthylene	ug/L	11 U	11 U	11 U	11 U	12 U
2,6-Dinitrotoluene	ug/L	11 U	11 U	11 U	11 U	12 U
3-Nitroaniline	ug/L	28 U	26 U	27 U	28 U	30 U
Acenaphthene	ug/L	11 U	11 U	11 U	11 U	12 U
2,4-Dinitrophenol	ug/L	28 U	26 U	27 U	28 U	30 U
4-Nitrophenol	ug/L	28 U	26 U	27 U	28 U	30 U
Dibenzofuran	ug/L	11 U	11 U	11 U	11 U	12 U
2,4-Dinitrotoluene	ug/L	11 U	11 U	11 U	11 U	12 U
Diethylphthalate	ug/L	11 U	11 U	11 U	11 U	12 U
4-Chlorophenyl-phenylether	ug/L	11 U	11 U	11 U	11 U	12 U
Fluorene	ug/L	11 U	11 U	11 U	11 U	12 U
4-Nitroaniline	ug/L	26 U	26 U	27 U	26 U	30 U
4,6-Dinitro-2-methylphenol	ug/L	28 U	26 U	27 U	28 U	30 U
N-Nitrosodiphenylamine	ug/L	11 U	11 U	11 U	11 U	12 U
4-Bromophenyl-phenylether	ug/L	11 U	11 U	11 U	11 U	12 U
Hexachlorobenzene	ug/L	11 U	11 U	11 U	11 U	12 U
Pentachlorophenol	ug/L	28 U	26 U	27 U	28 U	30 U
Phenanthrene	ug/L	11 U	11 U	11 U	11 U	12 U
Anthracene	ug/L	11 U	11 U	11 U	11 U	12 U
Carbazole	ug/L	11 U	11 U	11 U	11 U	12 U
Di-n-butylphthalate	ug/L	11 U	11 U	11 U	11 U	12 U
Fluoranthene	ug/L	11 U	11 U	11 U	11 U	12 U
Pyrene	ug/L	11 U	11 U	11 U	11 U	12 U
Butylbenzylphthalate	ug/L	11 U	11 U	11 U	11 U	12 U
3,3'-Dichlorobenzidine	ug/L	11 U	11 U	11 U	11 U	12 U
Benzo(a)anthracene	ug/L	11 U	11 U	11 U	11 U	12 U
Chrysene	ug/L	11 U	11 U	11 U	11 U	12 U
bis(2-Ethylhexyl)phthalate	ug/L	11 U	11 U	11 U	11 U	12 U
Di-n-octylphthalate	ug/L	11 U	11 U	11 U	11 U	12 U
Benzo(b)fluoranthene	ug/L	11 U	11 U	11 U	11 U	12 U
Benzo(k)fluoranthene	ug/L	11 U	11 U	11 U	11 U	12 U
Benzo(a)pyrene	ug/L	11 U	11 U	11 U	11 U	12 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	11 U	11 U	11 U	12 U
Dibenz(a,h)anthracene	ug/L	11 U	11 U	11 U	11 U	12 U
Benzo(g,h,i)perylene	ug/L	11 U	11 U	11 U	11 U	12 U

SENECA ARMY DEPOT
SEAD-44 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44
	SAMPLE DATE	04/17/94	04/17/94	04/17/94	04/27/94	04/17/94	04/17/94
	ES ID	SW44A-1	SW44A-2	SW44A-3	SW44A-4	SW44B-1	SW44B-2
	LAB ID	218085	218086	218087	219414	218088	218089
	SDG NUMBER	43549	43549	43549	43626	43549	43549
	UNITS						
PESTICIDES/PCB							
alpha-BHC	ug/L	0.054 U	0.055 U	0.058 U	0.06 U	0.058 U	0.052 U
beta-BHC	ug/L	0.054 U	0.055 U	0.058 U	0.06 U	0.058 U	0.052 U
delta-BHC	ug/L	0.054 U	0.055 U	0.058 U	0.06 U	0.058 U	0.052 U
gamma-BHC (Lindane)	ug/L	0.054 U	0.055 U	0.058 U	0.06 U	0.058 U	0.052 U
Heptachlor	ug/L	0.054 U	0.055 U	0.058 U	0.06 U	0.058 U	0.052 U
Aldrin	ug/L	0.054 U	0.055 U	0.058 U	0.06 U	0.058 U	0.052 U
Heptachlor epoxide	ug/L	0.054 U	0.055 U	0.058 U	0.06 U	0.058 U	0.052 U
Endosulfan I	ug/L	0.054 U	0.055 U	0.058 U	0.06 U	0.058 U	0.052 U
Dieldrin	ug/L	0.11 U	0.11 U	0.12 U	0.12 U	0.12 U	0.1 U
4,4'-DDE	ug/L	0.11 U	0.11 U	0.12 U	0.12 U	0.12 U	0.1 U
Endrin	ug/L	0.11 U	0.11 U	0.12 U	0.12 U	0.12 U	0.1 U
Endosulfan II	ug/L	0.11 U	0.11 U	0.12 U	0.12 U	0.12 U	0.1 U
4,4'-DDD	ug/L	0.11 U	0.11 U	0.12 U	0.12 U	0.12 U	0.1 U
Endosulfan sulfate	ug/L	0.11 U	0.11 U	0.12 U	0.12 U	0.12 U	0.1 U
4,4'-DDT	ug/L	0.11 U	0.11 U	0.12 U	0.12 U	0.12 U	0.1 U
Methoxychlor	ug/L	0.54 U	0.55 U	0.58 U	0.6 U	0.58 U	0.52 U
Endrin ketone	ug/L	0.11 U	0.11 U	0.12 U	0.12 U	0.12 U	0.1 U
Endrin aldehyde	ug/L	0.11 U	0.11 U	0.12 U	0.12 U	0.12 U	0.1 U
alpha-Chlordane	ug/L	0.054 U	0.055 U	0.058 U	0.06 U	0.058 U	0.052 U
gamma-Chlordane	ug/L	0.054 U	0.055 U	0.058 U	0.06 U	0.058 U	0.052 U
Toxaphene	ug/L	5.4 U	5.5 U	5.8 U	6 U	5.8 U	5.2 U
Aroclor-1016	ug/L	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	1 U
Aroclor-1221	ug/L	2.2 U	2.2 U	2.3 U	2.4 U	2.3 U	2.1 U
Aroclor-1232	ug/L	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	1 U
Aroclor-1242	ug/L	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	1 U
Aroclor-1248	ug/L	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	1 U
Aroclor-1254	ug/L	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	1 U
Aroclor-1260	ug/L	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	1 U
METALS							
Aluminum	ug/L	476	243	324	382	76.5 J	64.4 J
Antimony	ug/L	0.99 U	1 U	0.99 U	0.99 U	0.99 U	1 U
Arsenic	ug/L	1.5 U	1.5 U	1.5 U	1.5 U	5.8 J	11.6
Barium	ug/L	29.6 J	27.8 J	28.6 J	50.4 J	34 J	33.3 J
Beryllium	ug/L	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Cadmium	ug/L	0.23 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Calcium	ug/L	41800	40600	42700	158000	87000	93000
Chromium	ug/L	0.92 J	0.52 J	1 J	0.91 J	0.4 U	0.4 U
Cobalt	ug/L	0.6 U	0.6 U	0.59 U	1.1 J	0.6 U	0.6 U
Copper	ug/L	4.7 J	2 J	2.3 J	3.2 J	1.2 J	2.2 J
Iron	ug/L	632	344	479	525	79.8 J	75.5 J
Lead	ug/L	2.2 J	0.8 U	0.9 J	0.79 U	0.79 U	0.8 U
Magnesium	ug/L	7800	7670	8190	22500	8990	9070
Manganese	ug/L	9.8 J	8.3 J	6.3 J	165	2.7 J	5.3 J
Mercury	ug/L	0.05 J	0.05 J	0.05 J	0.03 U	0.05 J	0.05 J
Nickel	ug/L	174	1 J	1.9 J	2.7 J	0.68 J	0.66 J
Potassium	ug/L	1210 J	1150 J	1100 J	3600 J	2680 J	3290 J
Selenium	ug/L	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Silver	ug/L	0.7 U	0.7 U	0.69 U	0.69 U	0.7 U	0.7 U
Sodium	ug/L	3420 J	2760 J	2880 J	2730 J	73200	61000
Thallium	ug/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Vanadium	ug/L	1 J	0.7 U	1 J	0.69 U	0.7 U	0.7 U
Zinc	ug/L	1050	5.6 J	10.4 J	5.5 J	2 J	2.2 J
Cyanide	ug/L	5 U	5 U	5 U	5 UJ	5 U	5 U
OTHER ANALYSES							
Nitrate/Nitrite-Nitrogen	mg/L	0.04	0.02	0.01	0.06	0.01	0.01 U
Total Petroleum Hydrocarbons	mg/L						
pH	Standard Units	8	8.6	8.7	7.6	8.7	8.5
Conductivity	umhos/cm	180	168	175	800	700	690
Temperature	°C	8.8	8.1	7.5	22.7	16.2	16.5
Turbidity	NTU	12.2	9.1	9.4	14.2	2.9	2.8

SENECA ARMY DEPOT
SEAD-44 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-44 0-0.2 04/17/94 SD44A-1 218073 43543	SOIL SEAD-44 0-0.2 04/17/94 SD44A-2 218075 43543	SOIL SEAD-44 0-0.2 04/17/94 SD44A-3 218076 43543	SOIL SEAD-44 0-0.2 04/27/94 SD44A-4 219399 43883	SOIL SEAD-44 0-0.2 04/17/94 SD44B-1 218077 43543	SOIL SEAD-44 0-0.2 04/17/94 SD44B-2 218078 43543	
COMPOUND UNITS							
VOLATILE ORGANICS							
Chloromethane	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
Bromomethane	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
Vinyl Chloride	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
Chloroethane	ug/Kg	14 U	13 U	14 U	14 U	18 U	18 U
Methylene Chloride	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
Acetone	ug/Kg	14 U	21 U	27 U	14 U	18 U	81 U
Carbon Disulfide	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
1,1-Dichloroethane	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
1,1-Dichloroethane	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
1,2-Dichloroethane (total)	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
Chloroform	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
1,2-Dichloroethane	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
2-Butanone	ug/Kg	14 U	13 U	14 U	14 U	16 U	12 J
1,1,1-Trichloroethane	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
Carbon Tetrachloride	ug/Kg	14 U	13 U	14 U	14 U	18 U	18 U
Bromodichloromethane	ug/Kg	14 U	13 U	14 U	14 U	18 U	18 U
1,2-Dichloropropane	ug/Kg	14 U	13 U	14 U	14 U	18 U	18 U
cis-1,3-Dichloropropene	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
Trichloroethene	ug/Kg	14 U	13 U	14 U	14 U	18 U	18 U
Dibromochloromethane	ug/Kg	14 U	13 U	14 U	14 U	18 U	18 U
1,1,2-Trichloroethane	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
Benzene	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
trans-1,3-Dichloropropene	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
Bromoform	ug/Kg	14 U	13 U	14 U	14 U	18 U	18 U
4-Methyl-2-Pentanone	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
2-Hexanone	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
Tetrachloroethene	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
1,1,2,2-Tetrachloroethane	ug/Kg	14 U	13 U	14 U	14 U	18 U	18 U
Toluene	ug/Kg	14 U	13 U	14 U	14 U	18 U	18 U
Chlorobenzene	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
Ethylbenzene	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
Styrene	ug/Kg	14 U	13 U	14 U	14 U	18 U	18 U
Xylene (total)	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
HERBICIDES							
2,4-D	ug/Kg						
2,4-DB	ug/Kg						
2,4,5-T	ug/Kg						
2,4,5-TP (Silvex)	ug/Kg						
Dalapon	ug/Kg						
Dicamba	ug/Kg						
Dichloroprop	ug/Kg						
Dinoseb	ug/Kg						
MCPA	ug/Kg						
MCPP	ug/Kg						
NITROAROMATICS							
HMX	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
RDX	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
1,3,5-Trinitrobenzene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
1,3-Dinitrobenzene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
Tetryl	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
2,4,6-Trinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
4-amino-2,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
2-amino-4,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
2,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
2,4-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U

SENECA ARMY DEPOT
SEAD-44 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

MATRIX LOCATION DEPTH FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-44 0-0.2 04/17/94 SD44A-1 218073 43543	SOIL SEAD-44 0-0.2 04/17/94 SD44A-2 218075 43543	SOIL SEAD-44 0-0.2 04/17/94 SD44A-3 218076 43543	SOIL SEAD-44 0-0.2 04/27/94 SD44A-4 219399 43663	SOIL SEAD-44 0-0.2 04/17/94 SD44B-1 218077 43543	SOIL SEAD-44 0-0.2 04/17/94 SD44B-2 218078 43543	
COMPOUND	UNITS						
SEMIVOLATILE ORGANICS							
Phenol	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
bis(2-Chloroethyl) ether	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
2-Chlorophenol	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
1,3-Dichlorobenzene	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
1,4-Dichlorobenzene	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
1,2-Dichlorobenzene	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
2-Methylphenol	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
4-Methylphenol	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
N-Nitroso-di-n-propylamine	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
Hexachloroethane	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
Nitrobenzene	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
Isophorone	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
2-Nitrophenol	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
2,4-Dimethylphenol	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
bis(2-Chloroethoxy) methane	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
2,4-Dichlorophenol	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
1,2,4-Trichlorobenzene	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
Naphthalene	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
4-Chloroaniline	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
Hexachlorobutadiene	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
4-Chloro-3-methylphenol	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
2-Methylnaphthalene	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
Hexachlorocyclopentadiene	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
2,4,6-Trichlorophenol	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
2,4,5-Trichlorophenol	ug/Kg	1200 U	1100 U	1200 U	1300 U	1200 U	1300 U
2-Chloronaphthalene	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
2-Nitroaniline	ug/Kg	1200 U	1100 U	1200 U	1300 U	1200 U	1300 U
Dimethylphthalate	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
Acenaphthylene	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
2,6-Dinitrotoluene	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
3-Nitroaniline	ug/Kg	1200 U	1100 U	1200 U	1300 U	1200 U	1300 U
Acenaphthene	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
2,4-Dinitrophenol	ug/Kg	1200 U	1100 U	1200 U	1300 U	1200 U	1300 U
4-Nitrophenol	ug/Kg	1200 U	1100 U	1200 U	1300 U	1200 U	1300 U
Dibenzofuran	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
2,4-Dinitrotoluene	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
Diethylphthalate	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
4-Chlorophenyl-phenylether	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
Fluorene	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
4-Nitroaniline	ug/Kg	1200 U	1100 U	1200 U	1300 U	1200 U	1300 U
4,6-Dinitro-2-methylphenol	ug/Kg	1200 U	1100 U	1200 U	1300 U	1200 U	1300 U
N-Nitrosodiphenylamine	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
4-Bromophenyl-phenylether	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
Hexachlorobenzene	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
Pentachlorophenol	ug/Kg	1200 U	1100 U	1200 U	1300 U	1200 U	1300 U
Phenanthrene	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
Anthracene	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
Carbazole	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
Di-n-butylphthalate	ug/Kg	72 J	460 U	490 U	520 U	65 J	110 J
Fluoranthene	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
Pyrene	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
Butylbenzylphthalate	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
3,3'-Dichlorobenzidine	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
Benzo(a)anthracene	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
Chrysene	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
bis(2-Ethylhexyl)phthalate	ug/Kg	480 U	34 J	490 U	520 U	510 U	540 U
Di-n-octylphthalate	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
Benzo(b)fluoranthene	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
Benzo(k)fluoranthene	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
Benzo(a)pyrene	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
Indeno(1,2,3-cd)pyrene	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
Dibenz(a,h)anthracene	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U
Benzo(g,h,i)perylene	ug/Kg	480 U	460 U	490 U	520 U	510 U	540 U

SENECA ARMY DEPOT
SEAD-44 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-44 0-0.2 04/17/94 SD44A-1 218073 43543	SOIL SEAD-44 0-0.2 04/17/94 SD44A-2 218075 43543	SOIL SEAD-44 0-0.2 04/17/94 SD44A-3 218076 43543	SOIL SEAD-44 0-0.2 04/27/94 SD44A-4 219399 43663	SOIL SEAD-44 0-0.2 04/17/94 SD44B-1 218077 43543	SOIL SEAD-44 0-0.2 04/17/94 SD44B-2 218078 43543	
COMPOUND UNITS							
PESTICIDES/PCB							
alpha-BHC	ug/Kg	2.5 U	2.4 U	2.5 U	2.7 U	2.8 U	2.8 U
beta-BHC	ug/Kg	2.5 U	2.4 U	2.5 U	2.7 U	2.6 U	2.8 U
delta-BHC	ug/Kg	2.5 U	2.4 U	2.5 U	2.7 U	2.6 U	2.8 U
gamma-BHC (Lindane)	ug/Kg	2.5 U	2.4 U	2.5 U	2.7 U	2.6 U	2.8 U
Heptachlor	ug/Kg	2.5 U	2.4 U	2.5 U	2.7 U	2.6 U	2.8 U
Aldrin	ug/Kg	2.5 U	2.4 U	2.5 U	2.7 U	2.6 U	2.8 U
Heptachlor epoxide	ug/Kg	2.5 U	2.4 U	2.5 U	2.7 U	2.6 U	2.8 U
Endosulfan I	ug/Kg	2.5 U	2.4 U	2.5 U	2.7 U	2.6 U	2.8 U
Dieldrin	ug/Kg	4.8 U	4.6 U	4.9 U	5.2 U	5.1 U	5.4 U
4,4'-DDE	ug/Kg	4.8 U	4.6 U	4.9 U	5.2 U	5.1 U	5.4 U
Endrin	ug/Kg	4.8 U	4.6 U	4.9 U	5.2 U	5.1 U	5.4 U
Endosulfan II	ug/Kg	4.8 U	4.6 U	4.9 U	5.2 U	5.1 U	5.4 U
4,4'-DDD	ug/Kg	4.8 U	4.6 U	4.9 U	5.2 U	5.1 U	5.4 U
Endosulfan sulfate	ug/Kg	4.8 U	4.6 U	4.9 U	5.2 U	5.1 U	5.4 U
4,4'-DDT	ug/Kg	4.8 U	4.6 U	4.9 U	5.2 U	5.1 U	5.4 U
Methoxychlor	ug/Kg	25 U	24 U	25 U	27 U	26 U	28 U
Endrin ketone	ug/Kg	4.8 U	4.6 U	4.9 U	5.2 U	5.1 U	5.4 U
Endrin aldehyde	ug/Kg	4.8 U	4.6 U	4.9 U	5.2 U	5.1 U	5.4 U
alpha-Chlordane	ug/Kg	2.5 U	2.4 U	2.5 U	2.7 U	2.6 U	2.8 U
gamma-Chlordane	ug/Kg	2.5 U	2.4 U	2.5 U	2.7 U	2.6 U	2.8 U
Toxaphene	ug/Kg	250 U	240 U	250 U	270 U	260 U	280 U
Aroclor-1016	ug/Kg	48 U	46 U	49 U	52 U	51 U	54 U
Aroclor-1221	ug/Kg	97 U	94 U	99 U	110 U	100 U	110 U
Aroclor-1232	ug/Kg	48 U	46 U	49 U	52 U	51 U	54 U
Aroclor-1242	ug/Kg	48 U	46 U	49 U	52 U	51 U	54 U
Aroclor-1246	ug/Kg	48 U	46 U	49 U	52 U	51 U	54 U
Aroclor-1254	ug/Kg	48 U	46 U	49 U	52 U	51 U	54 U
Aroclor-1260	ug/Kg	48 U	46 U	49 U	52 U	51 U	54 U
METALS							
Aluminum	mg/Kg	13400	14000	9880	13300	13000	10300
Antimony	mg/Kg	0.4 J	0.19 J	0.27 UJ	0.16 UJ	0.37 J	0.3 UJ
Arsenic	mg/Kg	4.9	5.4	4.4	5.2	56.3	9.4
Barium	mg/Kg	121	86.8	86.1	91.2	93.8	68.6
Beryllium	mg/Kg	0.71 J	0.67 J	0.49 J	0.66 J	0.66 J	0.53 J
Cadmium	mg/Kg	0.37 J	0.41 J	0.26 J	0.29 J	0.38 J	0.23 J
Calcium	mg/Kg	3260	79400	12400	22400	4240	8780
Chromium	mg/Kg	19.8	20.7	14.8	16.7	19.8	14.6
Cobalt	mg/Kg	8.5 J	11	7.2 J	10.3	11.9	7.1 J
Copper	mg/Kg	17.5	25.6	17.8	18.6	19.1	14.6
Iron	mg/Kg	23000	26300	19200	24200	28400	17600
Lead	mg/Kg	13.1	12.6	10.7	13.8	17.7	13.6
Magnesium	mg/Kg	4100	12900	5520	7850	4530	4880
Manganese	mg/Kg	462	510	365	393 J	679	230
Mercury	mg/Kg	0.07 J	0.05 J	0.05 J	0.03 J	0.05 J	0.06 J
Nickel	mg/Kg	25.9	31.9	21	26.2	28.4	18.2
Potassium	mg/Kg	1640	2760	1190 J	1200	1500	1160 J
Selenium	mg/Kg	0.44 U	0.31 U	0.45 U	0.27 U	0.27 U	0.51 U
Silver	mg/Kg	0.18 U	0.13 U	0.19 U	0.11 U	0.11 U	0.21 U
Sodium	mg/Kg	41.4 U	69.7 J	42.3 U	52.7 J	378 J	97.6 J
Thallium	mg/Kg	0.53 J	0.29 U	0.43 U	0.25 U	0.26 U	0.48 U
Vanadium	mg/Kg	23.9	24	19.1	22.5	23.6	18.5
Zinc	mg/Kg	83.9	70.2	62.6	66.2	76.3	56.5
Cyanide	mg/Kg	0.71 U	0.57 U	0.73 U	0.68 U	0.76 U	0.81 U
OTHER ANALYSES							
Nitrate/Nitrite-Nitrogen	mg/Kg	1.39	0.07	0.01	0.03	0.06	0.03
Total Petroleum Hydrocarbons	mg/Kg						
Total Solids	%W/W	66.9	71.1	67.5	63.2	65	61.2

SENECA ARMY DEPOT
SEAD-50 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SOIL SEAD-50 0-1 02/18/94 SS50-1 211971 42493	SOIL SEAD-50 0-0.2 02/18/94 SS50-2 211972 42493	SOIL SEAD-50 0-1 02/18/94 SS50-3 211973 42493	SOIL SEAD-50 0-1 02/17/94 SS50-4 211728 42460	SOIL SEAD-50 0-0.2 02/18/94 SS50-5 211974 42493	SOIL SEAD-50 0-0.2 02/18/94 SS50-6 211975 42493	SOIL SEAD-50 0-1 02/18/94 SS50-7 211976 42493	SOIL SEAD-50 0-1 02/18/94 SS50-8 211977 42493	SOIL SEAD-50 0-0.2 02/18/94 SS50-9 211978 42493	SOIL SEAD-50 0-1 02/19/94 SS50-10 211979 42493
VOLATILE ORGANICS											
Chloromethane	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Bromomethane	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Vinyl Chloride	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Chloroethane	ug/Kg	14 U	17 U	13 U	12 U	18 U	29 U	12 U	12 U	15 U	13 U
Methylene Chloride	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Acetone	ug/Kg	14 U	83	13 U	72 U	16 U	41 U	12 U	12 U	15 U	13 U
Carbon Disulfide	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	14 U
1,1-Dichloroethane	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
1,1-Dichloroethane	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
1,2-Dichloroethane (total)	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Chloroform	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
1,2-Dichloroethane	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
2-Butanone	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
1,1,1-Trichloroethane	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Carbon Tetrachloride	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Bromodichloromethane	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
1,2-Dichloropropane	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
cis-1,3-Dichloropropene	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Trichloroethene	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Dibromochloromethane	ug/Kg	14 U	17 U	13 U	12 U	18 U	29 U	12 U	12 U	15 U	13 U
1,1,2-Trichloroethane	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Benzene	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
trans-1,3-Dichloropropene	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Bromoform	ug/Kg	14 U	17 U	13 U	12 U	18 U	29 U	12 U	12 U	15 U	13 U
4-Methyl-2-Pentanone	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
2-Hexanone	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Tetrachloroethene	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
1,1,2,2-Tetrachloroethane	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Toluene	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Chlorobenzene	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Ethylbenzene	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Styrene	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Xylene (total)	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
HERBICIDES											
2,4-D	ug/Kg										
2,4-DB	ug/Kg										
2,4,5-T	ug/Kg										
2,4,5-TP (Silvex)	ug/Kg										
Dalapon	ug/Kg										
Dicamba	ug/Kg										
Dichloroprop	ug/Kg										
Dinoseb	ug/Kg										
MCPA	ug/Kg										
MCPP	ug/Kg										
NITROAROMATICS											
HMX	ug/Kg										
RDX	ug/Kg										
1,3,5-Trinitrobenzene	ug/Kg										
1,3-Dinitrobenzene	ug/Kg										
Tetryl	ug/Kg										
2,4,6-Trinitrotoluene	ug/Kg										
4-amino-2,6-Dinitrotoluene	ug/Kg										
2-amino-4,6-Dinitrotoluene	ug/Kg										
2,6-Dinitrotoluene	ug/Kg										
2,4-Dinitrotoluene	ug/Kg										

SENECA ARMY DEPOT
SEAD-50 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SOIL SEAD-50 0-1 02/18/94 SS50-1 211971 42493	SOIL SEAD-50 0-0.2 02/18/94 SS50-2 211972 42493	SOIL SEAD-50 0-1 02/18/94 SS50-3 211973 42493	SOIL SEAD-50 0-1 02/17/94 SS50-4 211728 42460	SOIL SEAD-50 0-0.2 02/18/94 SS50-5 211974 42493	SOIL SEAD-50 0-0.2 02/18/94 SS50-6 211975 42493	SOIL SEAD-50 0-1 02/18/94 SS50-7 211976 42493	SOIL SEAD-50 0-1 02/18/94 SS50-8 211977 42493	SOIL SEAD-50 0-0.2 02/18/94 SS50-9 211975 42493	SOIL SEAD-50 0-1 02/19/94 SS50-10 211979 42493
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	31 J	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
bis(2-Chloroethyl) ether	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
2-Chlorophenol	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
1,3-Dichlorobenzene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
1,4-Dichlorobenzene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
1,2-Dichlorobenzene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
2-Methylphenol	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
4-Methylphenol	ug/Kg	490 U	100 J	480 U	410 U	95 J	310 J	390 U	370 U	430 U	430 U
N-Nitroso-di-n-propylamine	ug/Kg	490 U	810 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
Hexachloroethane	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
Nitrobenzene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
Isophorone	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
2-Nitrophenol	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
2,4-Dimethylphenol	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
bis(2-Chloroethoxy) methane	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
2,4-Dichlorophenol	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
1,2,4-Trichlorobenzene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
Naphthalene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
4-Chloroaniline	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
Hexachlorobutadiene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
4-Chloro-3-methylphenol	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
2-Methylnaphthalene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
Hexachlorocyclopentadiene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
2,4,6-Trichlorophenol	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
2,4,5-Trichlorophenol	ug/Kg	1200 U	1500 U	1200 U	990 U	1100 U	1500 UJ	940 U	810 U	1000 U	1000 U
2-Chloronaphthalene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
2-Nitroaniline	ug/Kg	1200 U	1500 U	1200 U	990 U	1100 U	1500 UJ	940 U	910 U	1000 U	1000 U
Dimethylphthalate	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
Acenaphthylene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
2,6-Dinitrotoluene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
3-Nitroaniline	ug/Kg	1200 U	1500 U	1200 U	990 U	1100 U	1500 UJ	940 U	910 U	1000 U	1000 U
Acenaphthene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
2,4-Dinitrophenol	ug/Kg	1200 U	1500 U	1200 U	990 U	1100 U	1500 UJ	940 U	910 U	1000 U	1000 U
4-Nitrophenol	ug/Kg	1200 U	1500 U	1200 U	990 U	1100 U	1500 UJ	940 U	910 U	1000 U	1000 U
Dibenzofuran	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
2,4-Dinitrotoluene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
Diethylphthalate	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
4-Chlorophenyl-phenyl ether	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
Fluorene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
4-Nitroaniline	ug/Kg	1200 U	1500 U	1200 U	990 U	1100 U	1500 UJ	940 U	910 U	1000 U	1000 U
4,6-Dinitro-2-methylphenol	ug/Kg	1200 U	1500 U	1200 U	990 U	1100 U	1500 UJ	940 U	910 U	1000 U	1000 U
N-Nitrosodiphenylamine	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
4-Bromophenyl-phenyl ether	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
Hexachlorobenzene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
Pentachlorophenol	ug/Kg	1200 U	1500 U	1200 U	990 U	1100 U	1500 UJ	940 U	910 U	1000 U	1000 U
Phenanthrene	ug/Kg	490 U	150 J	480 U	20 J	27 J	140 J	390 U	370 U	40 J	430 U
Anthracene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
Carbazole	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
Di-n-butylphthalate	ug/Kg	35 J	56 J	33 J	410 U	34 J	610 UJ	34 J	22 J	46 J	28 J
Fluoranthene	ug/Kg	33 J	230 J	480 U	32 J	37 J	210 J	390 U	370 U	58 J	23 J
Pyrene	ug/Kg	25 J	180 J	480 U	27 J	30 J	140 J	390 U	370 U	47 J	430 U
Butylbenzylphthalate	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
3,3'-Dichlorobenzidine	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
Benzo(a)anthracene	ug/Kg	490 U	81 J	480 U	410 U	450 U	81 J	390 U	370 U	430 U	430 U
Chrysene	ug/Kg	490 U	100 J	480 U	410 U	450 U	97 J	390 U	370 U	430 U	430 U
bis(2-Ethylhexyl)phthalate	ug/Kg	950	720	760	690	820	980 J	500	1300	330 J	150 J
Di-n-octylphthalate	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
Benzo(b)fluoranthene	ug/Kg	490 U	180 J	480 U	410 U	450 U	99 J	390 U	370 U	430 U	430 U
Benzo(k)fluoranthene	ug/Kg	490 U	180 UJ	480 U	410 U	450 U	80 J	390 U	370 U	30 J	430 U
Benzo(a)pyrene	ug/Kg	490 U	78 J	480 U	410 U	450 U	84 J	390 U	370 U	430 U	430 U
Indeno(1,2,3-cd)pyrene	ug/Kg	490 U	69 J	480 U	410 U	450 U	64 J	390 U	370 U	430 U	430 U
Dibenz(a,h)anthracene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
Benzo(g,h,i)perylene	ug/Kg	490 U	56 J	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U

SENECA ARMY DEPOT
SEAD-50 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION	SOIL SEAD-50	SOIL SEAD-50	SOIL SEAD-50	SOIL SEAD-50	SOIL SEAD-50	SOIL SEAD-50	SOIL SEAD-50	SOIL SEAD-50	SOIL SEAD-50	SOIL SEAD-50	SOIL SEAD-50
DEPTH (FEET)	0-1	0-0.2	0-1	0-1	0-0.2	0-0.2	0-0.2	0-1	0-1	0-0.2	0-1
SAMPLE DATE	02/18/94	02/18/94	02/18/94	02/17/94	02/18/94	02/18/94	02/18/94	02/18/94	02/18/94	02/18/94	02/18/94
ES ID	SS50-1	SS50-2	SS50-3	SS50-4	SS50-5	SS50-6	SS50-7	SS50-8	SS50-9	SS50-10	SS50-10
LAB ID	211971	211972	211973	211728	211974	211975	211976	211977	211978	211979	211979
SDG NUMBER	42493	42493	42493	42460	42493	42493	42493	42493	42493	42493	42493
COMPOUND UNITS											
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2.5 U	3.1 U	2.5 U	2.1 U	2.3 U	3.2 U	2 U	1.9 U	2.2 U	2.2 U
beta-BHC	ug/Kg	2.5 U	3.1 U	2.5 U	2.1 U	2.3 U	3.2 U	2 U	1.9 U	2.2 U	2.2 U
delta-BHC	ug/Kg	2.5 U	3.1 U	2.5 U	2.1 U	2.3 U	3.2 U	2 U	1.9 U	2.2 U	2.2 U
gamma-BHC (Lindane)	ug/Kg	2.5 U	3.1 U	2.5 U	2.1 U	2.3 U	3.2 U	2 U	1.9 U	2.2 U	2.2 U
Heptachlor	ug/Kg	2.5 U	3.1 U	2.5 U	2.1 U	2.3 U	3.2 U	2 U	1.9 U	1.3 J	2.2 U
Aldrin	ug/Kg	2.5 U	3.1 U	2.5 U	2.1 U	1.3 J	3.2 U	2 U	1.9 U	2.2 U	2.2 U
Heptachlor epoxide	ug/Kg	2.5 U	3.1 U	2.5 U	2.1 U	2.4	2.1 J	2 U	1.9 U	2.2 U	2.2 U
Endosulfan I	ug/Kg	2.5 U	3.1 U	2.5 U	2.1 U	2.3 U	3.2 U	2 U	1.9 U	2.2 U	2.2 U
Dieldrin	ug/Kg	4.8 U	6.1 U	4.8 U	4.1 U	4.4 U	6.2 U	3.9 U	3.7 U	4.3 U	4.3 U
4,4'-DDE	ug/Kg	4.8 U	6.1 U	4.8 U	4.1 U	3.1 J	6.2 U	3.9 U	3.7 U	2.9 J	4.3 U
Endrin	ug/Kg	4.8 U	6.1 U	4.8 U	4.1 U	4.4 U	6.2 U	3.9 U	3.7 U	4.3 U	4.3 U
Endosulfan II	ug/Kg	4.8 U	6.1 U	4.8 U	4.1 U	4.4 U	6.2 U	3.9 U	3.7 U	4.3 U	4.3 U
4,4'-DDD	ug/Kg	4.8 U	6.1 U	4.8 U	4.1 U	4.4 U	6.2 U	3.9 U	3.7 U	4.3 U	4.3 U
Endosulfan sulfate	ug/Kg	4.8 U	6.1 U	4.8 U	4.1 U	4.4 U	6.2 U	3.9 U	3.7 U	4.3 U	4.3 U
4,4'-DDT	ug/Kg	4.8 U	6.1 U	4.8 U	4.1 U	2.2 J	6.2 U	3.9 U	3.7 U	1.9 J	4.3 U
Methoxychlor	ug/Kg	25 U	31 U	25 U	21 U	23 U	32 U	20 U	19 U	22 U	22 U
Endrin ketone	ug/Kg	4.8 U	6.1 U	4.8 U	4.1 U	4.4 U	6.2 U	3.9 U	3.7 U	4.3 U	4.3 U
Endrin aldehyde	ug/Kg	4.8 U	6.1 U	4.8 U	4.1 U	4.4 U	6.2 U	3.9 U	3.7 U	4.3 U	4.3 U
alpha-Chlordane	ug/Kg	2.5 U	3.1 U	2.5 U	2.1 U	2.3 U	3.2 U	2 U	1.9 U	2.2 U	2.2 U
gamma-Chlordane	ug/Kg	2.5 U	3.1 U	2.5 U	2.1 U	2.3 U	3.2 U	2 U	1.9 U	2.2 U	2.2 U
Toxaphene	ug/Kg	250 U	310 U	250 U	210 U	230 U	320 U	200 U	190 U	220 U	220 U
Aroclor-1016	ug/Kg	48 U	61 U	48 U	41 U	44 U	62 U	39 U	37 U	43 U	43 U
Aroclor-1221	ug/Kg	98 U	120 U	97 U	83 U	90 U	130 U	79 U	76 U	87 U	87 U
Aroclor-1232	ug/Kg	48 U	61 U	48 U	41 U	44 U	62 U	39 U	37 U	43 U	43 U
Aroclor-1242	ug/Kg	46 U	61 U	48 U	41 U	75	62 U	39 U	49	43 U	43 U
Aroclor-1248	ug/Kg	48 U	61 U	48 U	41 U	44 U	62 U	39 U	37 U	43 U	43 U
Aroclor-1254	ug/Kg	48 U	61 U	48 U	41 U	44 U	62 U	39 U	37 U	43 U	75
Aroclor-1260	ug/Kg	48 U	61 U	48 U	41 U	25 J	62 U	39 U	37 U	43 U	43 U
METALS											
Aluminum	mg/Kg	14500	13500	12500	15100 J	9050	12500	13800	9150	12300	11300
Antimony	mg/Kg	1.4 J	1.6 J	2.9 J	7.1 J	2.7 J	1.5 J	1.7 J	0.71 J	2.3 J	0.95 J
Arsenic	mg/Kg	4.9	57.4	5	5.1 J	3.7	151	7.6	4.7	7.5	4.9
Barium	mg/Kg	95.6	115	87.5	96.8 J	86.2	103	55.5	58.1	39 J	63.2
Beryllium	mg/Kg	0.81 J	0.59 J	0.59 J	0.88 J	0.38 J	0.56 J	0.57 J	0.36 J	0.45 J	0.45 J
Cadmium	mg/Kg	0.17 J	0.22 J	0.12 J	0.48 U	0.25 J	0.19 J	0.09 J	0.28 J	0.09 J	0.17 J
Calcium	mg/Kg	12500 J	4740 J	6220 J	3650 J	46800 J	4850 J	27300 J	120000 J	3480 J	24000 J
Chromium	mg/Kg	28.3	21.7	20.4	34.6	60.7	19.9	28.1	32.6	40.9	23.5
Cobalt	mg/Kg	11 J	9 J	8.8 J	9.9 J	7.4 J	7.3 J	12.6	6.4 J	11.2	8 J
Copper	mg/Kg	24.8	24.4	18.7	16.9	22.2	18.5	35.2	13.9	18.4	18.9
Iron	mg/Kg	25600	22800	22800	24400 J	18000	21700	29400	18200	28600	26100
Lead	mg/Kg	94.8	40.1	27	74	398	25.2	52.7	242	181	48.4
Magnesium	mg/Kg	5300	3900	3930	3840 J	21100	3550	6600	15700	5690	11200
Manganese	mg/Kg	569	630	490	539 R	350	487	374	604	413	430
Mercury	mg/Kg	0.06 J	0.05 J	0.04 J	0.04 J	0.37	0.22	0.02 J	0.04 J	0.03 J	0.03 J
Nickel	mg/Kg	35 J	25.2 J	22.8 J	24.3	22.9 J	20.8 J	42.6 J	15.4 J	30.2 J	22 J
Potassium	mg/Kg	1780 J	2160 J	1040 J	1190	1190	1550 J	1680 J	1540 J	1030 J	1490 J
Selenium	mg/Kg	0.95 J	1.1 J	0.52 J	0.23 UJ	0.25 J	0.71 J	0.59 J	0.67 J	0.53 J	0.21 J
Silver	mg/Kg	0.16 U	0.25 U	0.18 U	0.91 U	0.11 U	0.21 U	0.15 U	0.34 J	0.14 U	0.12 U
Sodium	mg/Kg	84.7 J	55.8 U	42.5 J	43 U	86.1 J	66 J	81.6 J	89.3 J	53 J	60.7 J
Thallium	mg/Kg	0.29 U	0.3 U	0.2 U	0.25 U	0.24 U	0.33 U	0.16 U	0.2 U	0.26 U	0.19 U
Vanadium	mg/Kg	23.8	24.9	22.6	26.1	15.8	23.2	21	17	16.4	19.2
Zinc	mg/Kg	109	100	71.9	88.9 J	152	101	81.2	104	114	87.4
Cyanide	mg/Kg	0.67 U	0.9 U	0.67 U	0.54 U	0.65 U	0.91 U	0.57 U	0.54 U	0.64 U	0.56 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	87.8	53.8	68.9	80.6	73.9	53.3	84.9	88	76.8	77

SENECA ARMY DEPOT
SEAD-50 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-50 0-0.2 02/19/94 SS50-11 211965 42460	SOIL SEAD-50 0-0.2 02/19/94 SS50-11RE 211965 42460	SOIL SEAD-50 0-1 02/19/94 SS50-12 211980 42493	SOIL SEAD-50 0-0.2 02/19/94 SS50-13 211981 42493	SOIL SEAD-50 0-1 02/19/94 SS50-14 211982 42493	SOIL SEAD-50 0-0.2 02/19/94 SS50-15 211983 42493	
COMPOUND UNITS							
VOLATILE ORGANICS							
Chloromethane	ug/Kg	14 U	14 UJ	13 U	15 U	12 U	15 U
Bromomethane	ug/Kg	14 U	14 UJ	13 U	15 U	12 U	15 U
Vinyl Chloride	ug/Kg	14 U	14 UJ	13 U	15 U	12 U	15 U
Chloroethane	ug/Kg	14 U	14 UJ	13 U	15 U	12 U	15 U
Methylene Chloride	ug/Kg	14 U	16 UJ	13 U	15 U	12 U	15 U
Acetone	ug/Kg	14 U	14 UJ	13 U	15 U	12 U	15 U
Carbon Disulfide	ug/Kg	14 U	14 UJ	13 U	15 U	12 U	15 U
1,1-Dichloroethane	ug/Kg	51 R	14 UJ	13 U	15 U	12 U	15 U
1,1-Dichloroethane	ug/Kg	14 U	14 UJ	13 U	15 U	12 U	15 U
1,2-Dichloroethane (total)	ug/Kg	14 U	14 UJ	13 U	15 U	12 U	15 U
Chloroform	ug/Kg	14 U	14 UJ	13 U	15 U	12 U	15 U
1,2-Dichloroethane	ug/Kg	14 U	14 UJ	13 U	15 U	12 U	15 U
2-Butanone	ug/Kg	14 U	14 UJ	13 U	15 U	12 U	15 U
1,1,1-Trichloroethane	ug/Kg	14 U	14 UJ	13 U	15 U	12 U	15 U
Carbon Tetrachloride	ug/Kg	14 U	14 UJ	13 U	15 U	12 U	15 U
Bromodichloromethane	ug/Kg	14 U	14 UJ	13 U	15 U	12 U	15 U
1,2-Dichloropropane	ug/Kg	14 U	14 UJ	13 U	15 U	12 U	15 U
cis-1,3-Dichloropropene	ug/Kg	14 U	14 UJ	13 U	15 U	12 U	15 U
Trichloroethene	ug/Kg	60 R	14 UJ	13 U	15 U	12 U	15 U
Dibromochloromethane	ug/Kg	14 U	14 UJ	13 U	15 U	12 U	15 U
1,1,2-Trichloroethane	ug/Kg	14 U	14 UJ	13 U	15 U	12 U	15 U
Benzene	ug/Kg	61 R	14 UJ	13 U	15 U	12 U	15 U
trans-1,3-Dichloropropene	ug/Kg	14 U	14 UJ	13 U	15 U	12 U	15 U
Bromoform	ug/Kg	14 U	14 UJ	13 U	15 U	12 U	15 U
4-Methyl-2-Pentanone	ug/Kg	14 U	14 UJ	13 U	15 U	12 U	15 U
2-Hexanone	ug/Kg	14 U	14 UJ	13 U	15 U	12 U	15 U
Tetrachloroethene	ug/Kg	14 U	14 UJ	13 U	15 U	12 U	15 U
1,1,2,2-Tetrachloroethane	ug/Kg	14 U	14 UJ	13 U	15 U	12 U	15 U
Toluene	ug/Kg	62 R	14 UJ	13 U	15 U	12 U	15 U
Chlorobenzene	ug/Kg	63 R	14 UJ	13 U	15 U	12 U	15 U
Ethylbenzene	ug/Kg	14 U	14 UJ	13 U	15 U	12 U	15 U
Styrene	ug/Kg	14 U	14 UJ	13 U	15 U	12 U	15 U
Xylene (total)	ug/Kg	14 U	14 UJ	13 U	15 U	12 U	15 U
HERBICIDES							
2,4-D	ug/Kg						
2,4-DB	ug/Kg						
2,4,5-T	ug/Kg						
2,4,5-TP (Silvex)	ug/Kg						
Dalapon	ug/Kg						
Dicamba	ug/Kg						
Dichloroprop	ug/Kg						
Dinoseb	ug/Kg						
MCPA	ug/Kg						
MCPP	ug/Kg						
NITROAROMATICS							
HMX	ug/Kg						
RDX	ug/Kg						
1,3,5-Trinitrobenzene	ug/Kg						
1,3-Dinitrobenzene	ug/Kg						
Tetryl	ug/Kg						
2,4,6-Trinitrotoluene	ug/Kg						
4-amino-2,6-Dinitrotoluene	ug/Kg						
2-amino-4,6-Dinitrotoluene	ug/Kg						
2,6-Dinitrotoluene	ug/Kg						
2,4-Dinitrotoluene	ug/Kg						

SENECA ARMY DEPOT
SEAD-50 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-50 0-0.2 02/19/94 SS50-11 211965 42480	SOIL SEAD-50 0-0.2 02/19/94 SS50-11RE 211965 42460	SOIL SEAD-50 0-1 02/19/94 SS50-12 211980 42493	SOIL SEAD-50 0-0.2 02/19/94 SS50-13 211981 42493	SOIL SEAD-50 0-1 02/19/94 SS50-14 211982 42493	SOIL SEAD-50 0-0.2 02/19/94 SS50-15 211983 42493
COMPOUND	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
SEMIVOLATILE ORGANICS						
Phenol	ug/Kg	2300 U	420 U	480 U	420 U	520 U
bis(2-Chloroethyl) ether	ug/Kg	2300 U	420 U	480 U	420 U	520 U
2-Chlorophenol	ug/Kg	2300 U	420 U	480 U	420 U	520 U
1,3-Dichlorobenzene	ug/Kg	2300 U	420 U	480 U	420 U	520 U
1,4-Dichlorobenzene	ug/Kg	2300 U	420 U	480 U	420 U	520 U
1,2-Dichlorobenzene	ug/Kg	2300 U	420 U	480 U	420 U	520 U
2-Methylphenol	ug/Kg	2300 U	420 U	480 U	420 U	520 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	2300 U	420 U	480 U	420 U	520 U
4-Methylphenol	ug/Kg	2300 U	420 U	480 U	420 U	520 U
N-Nitroso-di-n-propylamine	ug/Kg	2300 U	420 U	480 U	420 U	520 U
Hexachloroethane	ug/Kg	2300 U	420 U	480 U	420 U	520 U
Nitrobenzene	ug/Kg	2300 U	420 U	480 U	420 U	520 U
Isophorone	ug/Kg	2300 U	420 U	480 U	420 U	520 U
2-Nitrophenol	ug/Kg	2300 U	420 U	480 U	420 U	520 U
2,4-Dimethylphenol	ug/Kg	2300 U	420 U	480 U	420 U	520 U
bis(2-Chloroethoxy) methane	ug/Kg	2300 U	420 U	480 U	420 U	520 U
2,4-Dichlorophenol	ug/Kg	2300 U	420 U	480 U	420 U	520 U
1,2,4-Trichlorobenzene	ug/Kg	2300 U	420 U	480 U	420 U	520 U
Naphthalene	ug/Kg	2300 U	420 U	480 U	420 U	520 U
4-Chloroaniline	ug/Kg	2300 U	420 U	480 U	420 U	520 U
Hexachlorobutadiene	ug/Kg	2300 U	420 U	480 U	420 U	520 U
4-Chloro-3-methylphenol	ug/Kg	2300 U	420 U	480 U	420 U	520 U
2-Methylnaphthalene	ug/Kg	2300 U	420 U	480 U	420 U	520 U
Hexachlorocyclopentadiene	ug/Kg	2300 U	420 U	480 U	420 U	520 U
2,4,6-Trichlorophenol	ug/Kg	2300 U	420 U	480 U	420 U	520 U
2,4,5-Trichlorophenol	ug/Kg	5500 U	1000 U	1200 U	1000 U	1200 U
2-Chloronaphthalene	ug/Kg	2300 U	420 U	480 U	420 U	520 U
2-Nitroaniline	ug/Kg	5500 U	1000 U	1200 U	1000 U	1200 U
Dimethylphthalate	ug/Kg	2300 U	420 U	480 U	420 U	520 U
Acenaphthylene	ug/Kg	2300 U	420 U	480 U	420 U	520 U
2,6-Dinitrotoluene	ug/Kg	2300 U	420 U	480 U	420 U	520 U
3-Nitroaniline	ug/Kg	5500 U	1000 U	1200 U	1000 U	1200 U
Acenaphthene	ug/Kg	930 J	420 U	480 U	420 U	51 J
2,4-Dinitrophenol	ug/Kg	5500 U	1000 U	1200 U	1000 U	1200 U
4-Nitrophenol	ug/Kg	5500 U	1000 U	1200 U	1000 U	1200 U
Dibenzofuran	ug/Kg	260 J	420 U	480 U	420 U	520 U
2,4-Dinitrotoluene	ug/Kg	2300 U	420 U	480 U	420 U	520 U
Diethylphthalate	ug/Kg	2300 U	420 U	480 U	420 U	520 U
4-Chlorophenyl-phenylether	ug/Kg	2300 U	420 U	480 U	420 U	520 U
Fluorene	ug/Kg	590 J	420 U	480 U	420 U	36 J
4-Nitroaniline	ug/Kg	5500 U	1000 U	1200 U	1000 U	1200 U
4,6-Dinitro-2-methylphenol	ug/Kg	5500 U	1000 U	1200 U	1000 U	1200 U
N-Nitrosodiphenylamine	ug/Kg	2300 U	420 U	480 U	420 U	520 U
4-Bromophenyl-phenylether	ug/Kg	2300 U	420 U	480 U	420 U	520 U
Hexachlorobenzene	ug/Kg	2300 U	420 U	480 U	420 U	520 U
Pentachlorophenol	ug/Kg	5500 U	1000 U	1200 U	1000 U	1200 U
Phenanthrene	ug/Kg	7800	28 J	53 J	370 J	530
Anthracene	ug/Kg	1500 J	420 U	480 U	81 J	100 J
Carbazole	ug/Kg	1100 J	420 U	480 U	71 J	67 J
Di-n-butylphthalate	ug/Kg	2300 U	51 J	51 J	36 J	30 J
Fluoranthene	ug/Kg	14000	41 J	86 J	1300	1300
Pyrene	ug/Kg	12000	31 J	73 J	1200	1000
Butylbenzylphthalate	ug/Kg	2300 U	420 U	480 U	420 U	520 U
3,3'-Dichlorobenzidine	ug/Kg	2300 U	420 U	480 U	420 U	520 U
Benzo(a)anthracene	ug/Kg	5200	420 U	35 J	830	650
Chrysene	ug/Kg	5500	420 U	53 J	840	670
bis(2-Ethylhexyl)phthalate	ug/Kg	640 J	1800	960	610	1300
Di-n-octylphthalate	ug/Kg	2300 U	420 U	480 U	420 U	520 U
Benzo(b)fluoranthene	ug/Kg	4400	420 U	45 J	860	690
Benzo(k)fluoranthene	ug/Kg	4000	420 U	43 J	600	410 J
Benzo(a)pyrene	ug/Kg	3700	420 U	40 J	660	520
Indeno(1,2,3-cd)pyrene	ug/Kg	1800 J	420 U	480 U	400 J	360 J
Dibenz(a,h)anthracene	ug/Kg	840 J	420 U	480 U	200 J	190 J
Benzo(g,h,i)perylene	ug/Kg	1800 J	420 U	480 U	270 J	240 J

SENECA ARMY DEPOT
SEAD-50 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	DEPTH (FEET)	SEAD-50	SEAD-50	SEAD-50	SEAD-50	SEAD-50	SEAD-50
	SAMPLE DATE	0-0.2	0-0.2	0-1	0-0.2	0-1	0-0.2
	ES ID	02/19/94	02/19/94	02/19/94	02/19/94	02/19/94	02/19/94
	LAB ID	SS50-11	SS50-11RE	SS50-12	SS50-13	SS50-14	SS50-15
	SDG NUMBER	211965	211965	211980	211981	211982	211983
	UNITS	42460	42460	42493	42493	42493	42493
PESTICIDES/PCB							
alpha-BHC	ug/Kg	2.3 U		4.3 U	2.5 U	2.2 U	2.7 U
beta-BHC	ug/Kg	2.3 U		4.3 U	2.5 U	2.2 U	2.7 U
delta-BHC	ug/Kg	2.3 U		4.3 U	2.5 U	2.2 U	2.7 U
gamma-BHC (Lindane)	ug/Kg	2.3 U		4.3 U	2.5 U	2.2 U	2.7 U
Heptachlor	ug/Kg	2.3 U		4.3 U	2.5 U	2.2 U	2.7 U
Aldrin	ug/Kg	2.3 U		4.3 U	2.5 U	2.2 U	2.7 U
Heptachlor epoxide	ug/Kg	2.3 U		4.3 U	2.5 U	2.2 U	2.7 U
Endosulfan I	ug/Kg	2.3 U		4.3 U	2.5 U	13	2.7 U
Dieldrin	ug/Kg	4.5 U		59 J	4.8 U	28 J	5.2 U
4,4'-DDE	ug/Kg	4.5 U		8.4 U	4.8 U	4.8 J	4 J
Endrin	ug/Kg	2.8 J		8.4 U	4.8 U	4.2 U	5.2 U
Endosulfan II	ug/Kg	4.5 U		8.4 U	4.8 U	4.2 U	5.2 U
4,4'-DDD	ug/Kg	4.5 U		8.4 U	4.8 U	2.2 J	5.2 U
Endosulfan sulfate	ug/Kg	4.5 U		8.4 U	4.8 U	4.2 U	5.2 U
4,4'-DDT	ug/Kg	4.5 U		8.4 U	4.8 U	4.1 J	4.1 J
Methoxychlor	ug/Kg	23 U		43 U	25 U	22 U	27 U
Endrin ketone	ug/Kg	4.5 U		8.4 U	4.8 U	4.2 U	5.2 U
Endrin aldehyde	ug/Kg	4.5 U		8.4 U	4.8 U	4.2 U	5.2 U
alpha-Chlordane	ug/Kg	3.8 J		4.3 U	2.5 U	2.2 U	2.7 U
gamma-Chlordane	ug/Kg	2.3 U		4.3 U	2.5 U	2.2 U	2.7 U
Toxaphene	ug/Kg	230 U		430 U	250 U	220 U	270 U
Aroclor-1016	ug/Kg	45 U		84 U	48 U	42 U	52 U
Aroclor-1221	ug/Kg	92 U		170 U	97 U	85 U	100 U
Aroclor-1232	ug/Kg	45 U		84 U	48 U	42 U	52 U
Aroclor-1242	ug/Kg	45 U		84 U	48 U	37 J	52 U
Aroclor-1248	ug/Kg	45 U		84 U	48 U	42 U	52 U
Aroclor-1254	ug/Kg	45 U		84 U	48 U	24 J	52 U
Aroclor-1260	ug/Kg	45 U		84 U	48 U	42 U	52 U
METALS							
Aluminum	mg/Kg	15300 J		15200	13800	10600	13300
Antimony	mg/Kg	5.2 UJ		0.55 J	0.63 J	0.6 J	0.85 J
Arsenic	mg/Kg	6 J		37.6	6.4	8.2	6.3
Barium	mg/Kg	101 J		91.2	78	73.1	92.1
Beryllium	mg/Kg	0.71 J		0.85 J	0.55 J	0.4 J	0.59 J
Cadmium	mg/Kg	0.51 U		0.15 J	0.09 J	0.8 J	0.22 J
Calcium	mg/Kg	15200 J		3870 J	10600 J	80100 J	18000 J
Chromium	mg/Kg	29.9		22.7	21.1	21.8	25.7
Cobalt	mg/Kg	10.3 J		11.6	10.4 J	9.2 J	12.6
Copper	mg/Kg	23.6		19.6	22.2	20.9	28.1
Iron	mg/Kg	27000 J		29400	26200	19700	30000
Lead	mg/Kg	25.7		16.5	22.8	61.4	45.3
Magnesium	mg/Kg	7510 J		4570	6330	48300	6780
Manganese	mg/Kg	496 R		722	461	548	589
Mercury	mg/Kg	0.05 J		0.05 J	0.05 J	0.03 J	0.03 J
Nickel	mg/Kg	37.2		30.1 J	28.9 J	24.4 J	37 J
Potassium	mg/Kg	2170		1600 J	1760 J	2140 J	1890 J
Selenium	mg/Kg	0.41 J		0.41 J	0.33 J	0.55 J	0.44 J
Silver	mg/Kg	1 U		0.16 J	0.18 U	0.16 U	0.14 U
Sodium	mg/Kg	63.7 J		26.7 J	64.9 J	136 J	64.6 J
Thallium	mg/Kg	0.32 U		0.26 U	0.2 U	0.22 U	0.21 U
Vanadium	mg/Kg	26.2		24.6	23.4	19.8	21.3
Zinc	mg/Kg	110 J		93.7	87.9	102	141
Cyanide	mg/Kg	0.58 U		0.59 U	0.7 U	0.6 U	0.75 U
OTHER ANALYSES							
Nitrate/Nitrite-Nitrogen	mg/Kg						
Total Petroleum Hydrocarbons	mg/Kg						
Total Solids	%W/W	72.9		78.2	89.3	78.8	63.9

SENECA ARMY DEPOT
SEAD-50 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-50 07/12/94 MW50-1 226794 45332	WATER SEAD-50 07/18/94 MW50-2 227267 45332	WATER SEAD-50 07/18/94 MW50-3 227268 45332
VOLATILE ORGANICS				
Chloromethane	ug/L	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U
HERBICIDES				
2,4-D	ug/L			
2,4-DB	ug/L			
2,4,5-T	ug/L			
2,4,5-TP (Silvex)	ug/L			
Dalapon	ug/L			
Dicamba	ug/L			
Dichloroprop	ug/L			
Dinoseb	ug/L			
MCPA	ug/L			
MCPP	ug/L			
NITROAROMATICS				
HMX	ug/L			
RDX	ug/L			
1,3,5-Trinitrobenzene	ug/L			
1,3-Dinitrobenzene	ug/L			
Tetryl	ug/L			
2,4,6-Trinitrotoluene	ug/L			
4-amino-2,6-Dinitrotoluene	ug/L			
2-amino-4,6-Dinitrotoluene	ug/L			
2,6-Dinitrotoluene	ug/L			
2,4-Dinitrotoluene	ug/L			

SENECA ARMY DEPOT
SEAD-50 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-50 07/12/94 MW50-1 226794 45332	WATER SEAD-50 07/18/94 MW50-2 227267 45332	WATER SEAD-50 07/18/94 MW50-3 227268 45332
SEMIVOLATILE ORGANICS				
Phenol	ug/L	10 U	10 U	11 U
bis(2-Chloroethyl) ether	ug/L	10 U	10 U	11 U
2-Chlorophenol	ug/L	10 U	10 U	11 U
1,3-Dichlorobenzene	ug/L	10 U	10 U	11 U
1,4-Dichlorobenzene	ug/L	10 U	10 U	11 U
1,2-Dichlorobenzene	ug/L	10 U	10 U	11 U
2-Methylphenol	ug/L	10 U	10 U	11 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	10 U	11 U
4-Methylphenol	ug/L	10 U	10 U	11 U
N-Nitroso-di-n-propylamine	ug/L	10 U	10 U	11 U
Hexachloroethane	ug/L	10 U	10 U	11 U
Nitrobenzene	ug/L	10 U	10 U	11 U
Isophorone	ug/L	10 U	10 U	11 U
2-Nitrophenol	ug/L	10 U	10 U	11 U
2,4-Dimethylphenol	ug/L	10 U	10 U	11 U
bis(2-Chloroethoxy) methane	ug/L	10 U	10 U	11 U
2,4-Dichlorophenol	ug/L	10 U	10 U	11 U
1,2,4-Trichlorobenzene	ug/L	10 U	10 U	11 U
Naphthalene	ug/L	10 U	10 U	11 U
4-Chloroaniline	ug/L	10 U	10 U	11 U
Hexachlorobutadiene	ug/L	10 U	10 U	11 U
4-Chloro-3-methylphenol	ug/L	10 U	10 U	11 U
2-Methylnaphthalene	ug/L	10 U	10 U	11 U
Hexachlorocyclopentadiene	ug/L	10 U	10 U	11 U
2,4,6-Trichlorophenol	ug/L	10 U	10 U	11 U
2,4,5-Trichlorophenol	ug/L	25 U	26 U	26 U
2-Chloronaphthalene	ug/L	10 U	10 U	11 U
2-Nitroaniline	ug/L	25 U	25 U	26 U
Dimethylphthalate	ug/L	10 U	10 U	11 U
Acenaphthylene	ug/L	10 U	10 U	11 U
2,6-Dinitrotoluene	ug/L	10 U	10 U	11 U
3-Nitroaniline	ug/L	25 U	26 U	26 U
Acenaphthene	ug/L	10 U	10 U	11 U
2,4-Dinitrophenol	ug/L	25 U	26 U	26 U
4-Nitrophenol	ug/L	25 U	26 U	26 U
Dibenzofuran	ug/L	10 U	10 U	11 U
2,4-Dinitrotoluene	ug/L	10 U	10 U	11 U
Diethylphthalate	ug/L	10 U	10 U	11 U
4-Chlorophenyl-phenylether	ug/L	10 U	10 U	11 U
Fluorene	ug/L	10 U	10 U	11 U
4-Nitroaniline	ug/L	25 U	26 U	26 U
4,6-Dinitro-2-methylphenol	ug/L	25 U	26 U	26 U
N-Nitrosodiphenylamine	ug/L	10 U	10 U	11 U
4-Bromophenyl-phenylether	ug/L	10 U	10 U	11 U
Hexachlorobenzene	ug/L	10 U	10 U	11 U
Pentachlorophenol	ug/L	25 U	26 U	26 U
Phenanthrene	ug/L	10 U	10 U	11 U
Anthracene	ug/L	10 U	10 U	11 U
Carbazole	ug/L	10 U	10 U	11 U
Di-n-butylphthalate	ug/L	10 U	10 U	11 U
Fluoranthene	ug/L	10 U	10 U	11 U
Pyrene	ug/L	10 U	10 U	11 U
Butylbenzylphthalate	ug/L	10 U	10 U	11 U
3,3'-Dichlorobenzidine	ug/L	10 U	10 U	11 U
Benzo(a)anthracene	ug/L	10 U	10 U	11 U
Chrysene	ug/L	10 U	10 U	11 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	10 U	11 U
Di-n-octylphthalate	ug/L	10 U	10 U	5 J
Benzo(b)fluoranthene	ug/L	10 U	10 U	11 U
Benzo(k)fluoranthene	ug/L	10 U	10 U	11 U
Benzo(a)pyrene	ug/L	10 U	10 U	11 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	10 U	11 U
Dibenz(a,h)anthracene	ug/L	10 U	10 U	11 U
Benzo(g,h,i)perylene	ug/L	10 U	10 U	11 U

SENECA ARMY DEPOT
SEAD-50 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER
	LOCATION	SEAD-50	SEAD-50	SEAD-50
	SAMPLE DATE	07/12/94	07/18/94	07/18/94
	ES ID	MW50-1	MW50-2	MW50-3
	LAB ID	226794	227267	227268
	SDG NUMBER	45332	45332	45332
COMPOUND	UNITS			
PESTICIDES/PCB				
alpha-BHC	ug/L	0.054 U	0.051 U	0.052 U
beta-BHC	ug/L	0.054 U	0.051 U	0.052 U
delta-BHC	ug/L	0.054 U	0.051 U	0.052 U
gamma-BHC (Lindane)	ug/L	0.054 U	0.051 U	0.052 U
Heptachlor	ug/L	0.054 U	0.051 U	0.052 U
Aldrin	ug/L	0.054 U	0.051 U	0.052 U
Heptachlor epoxide	ug/L	0.054 U	0.051 U	0.052 U
Endosulfan I	ug/L	0.054 U	0.051 U	0.052 U
Dieldrin	ug/L	0.11 U	0.1 U	0.1 U
4,4'-DDE	ug/L	0.11 U	0.1 U	0.1 U
Endrin	ug/L	0.11 U	0.1 U	0.1 U
Endosulfan II	ug/L	0.11 U	0.1 U	0.1 U
4,4'-DDD	ug/L	0.11 U	0.1 U	0.1 U
Endosulfan sulfate	ug/L	0.11 U	0.1 U	0.1 U
4,4'-DDT	ug/L	0.11 U	0.1 U	0.1 U
Methoxychlor	ug/L	0.54 U	0.51 U	0.52 U
Endrin ketone	ug/L	0.11 U	0.1 U	0.1 U
Endrin aldehyde	ug/L	0.11 U	0.1 U	0.1 U
alpha-Chlordane	ug/L	0.054 U	0.051 U	0.052 U
gamma-Chlordane	ug/L	0.054 U	0.051 U	0.052 U
Toxaphene	ug/L	5.4 U	5.1 U	5.2 U
Aroclor-1018	ug/L	1.1 U	1 U	1 U
Aroclor-1221	ug/L	2.1 U	2 U	2.1 U
Aroclor-1232	ug/L	1.1 U	1 U	1 U
Aroclor-1242	ug/L	1.1 U	1 U	1 U
Aroclor-1248	ug/L	1.1 U	1 U	1 U
Aroclor-1254	ug/L	1.1 U	1 U	1 U
Aroclor-1260	ug/L	1.1 U	1 U	1 U
METALS				
Aluminum	ug/L	1790 J	137 J	19.6 J
Antimony	ug/L	1.3 U	1.3 U	1.3 U
Arsenic	ug/L	2.2 J	2 U	2 U
Barium	ug/L	50.8 J	68.9 J	96.5 J
Beryllium	ug/L	0.1 U	0.1 U	0.1 U
Cadmium	ug/L	0.2 U	0.2 U	0.2 U
Calcium	ug/L	153000	113000	113000
Chromium	ug/L	3 J	0.4 U	0.4 U
Cobalt	ug/L	4.9 J	1.6 J	0.62 J
Copper	ug/L	1.4 J	0.5 U	0.5 U
Iron	ug/L	5070	1400	206
Lead	ug/L	0.9 U	0.89 U	0.89 U
Magnesium	ug/L	40200	20800	16900
Manganese	ug/L	1040	791	317
Mercury	ug/L	0.05 J	0.04 U	0.04 U
Nickel	ug/L	8 J	2 J	0.69 U
Potassium	ug/L	4460 J	5770 J	10400 J
Selenium	ug/L	2.7 U	2.7 U	2.7 U
Silver	ug/L	0.5 U	0.75 J	0.76 J
Sodium	ug/L	22700	91200	10000
Thallium	ug/L	1.9 J	3 J	1.9 U
Vanadium	ug/L	3 J	0.5 U	0.54 J
Zinc	ug/L	20.2 U	2.4 J	2.2 U
Cyanide	ug/L	5 U	5 U	5 U
OTHER ANALYSES				
Nitrate/Nitrite - Nitrogen	mg/L			
Total Petroleum Hydrocarbons	mg/L			
pH	Standard Units	6.9	7	7.2
Conductivity	umhos/cm	820	900	580
Temperature	°C	17	17.9	18.7
Turbidity	NTU	160	27.7	1.5

SENECA ARMY DEPOT
SEAD-50 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-50 04/19/94 SW50-1 218499 43626	WATER SEAD-50 04/19/94 SW50-2 218500 43628	WATER SEAD-50 04/19/94 SW50-3 218501 43628
VOLATILE ORGANICS				
Chloromethane	ug/L	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U
HERBICIDES				
2,4-D	ug/L			
2,4-DB	ug/L			
2,4,5-T	ug/L			
2,4,5-TP (Silvex)	ug/L			
Dalapon	ug/L			
Dicamba	ug/L			
Dichloroprop	ug/L			
Dinoseb	ug/L			
MCPA	ug/L			
MCPP	ug/L			
NITROAROMATICS				
HMX	ug/L			
RDX	ug/L			
1,3,5-Trinitrobenzene	ug/L			
1,3-Dinitrobenzene	ug/L			
Tetryl	ug/L			
2,4,6-Trinitrotoluene	ug/L			
4-amino-2,6-Dinitrotoluene	ug/L			
2-amino-4,6-Dinitrotoluene	ug/L			
2,6-Dinitrotoluene	ug/L			
2,4-Dinitrotoluene	ug/L			

SENECA ARMY DEPOT
SEAD-50 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER
	LOCATION	SEAD-50	SEAD-50	SEAD-50
SEMIVOLATILE ORGANICS	SAMPLE DATE	04/19/94	04/19/94	04/19/94
	ES ID	SW50-1	SW50-2	SW50-3
	LAB ID	218499	218500	218501
	SDG NUMBER	43626	43626	43626
	UNITS			
Phenol	ug/L	11 U	10 U	11 U
bis(2-Chloroethyl) ether	ug/L	11 U	10 U	11 U
2-Chlorophenol	ug/L	11 U	10 U	11 U
1,3-Dichlorobenzene	ug/L	11 U	10 U	11 U
1,4-Dichlorobenzene	ug/L	11 U	10 U	11 U
1,2-Dichlorobenzene	ug/L	11 U	10 U	11 U
2-Methylphenol	ug/L	11 U	10 U	11 U
2,2'-oxybis(1-Chloropropane)	ug/L	11 U	10 U	11 U
4-Methylphenol	ug/L	11 U	10 U	11 U
N-Nitroso-di-n-propylamine	ug/L	11 U	10 U	11 U
Hexachloroethane	ug/L	11 U	10 U	11 U
Nitrobenzene	ug/L	11 U	10 U	11 U
Isophorone	ug/L	11 U	10 U	11 U
2-Nitrophenol	ug/L	11 U	10 U	11 U
2,4-Dimethylphenol	ug/L	11 U	10 U	11 U
bis(2-Chloroethoxy) methane	ug/L	11 U	10 U	11 U
2,4-Dichlorophenol	ug/L	11 U	10 U	11 U
1,2,4-Trichlorobenzene	ug/L	11 U	10 U	11 U
Naphthalene	ug/L	11 U	10 U	11 U
4-Chloroaniline	ug/L	11 U	10 U	11 U
Hexachlorobutadiene	ug/L	11 U	10 U	11 U
4-Chloro-3-methylphenol	ug/L	11 U	10 U	11 U
2-Methylnaphthalene	ug/L	11 U	10 U	11 U
Hexachlorocyclopentadiene	ug/L	11 U	10 U	11 U
2,4,6-Trichlorophenol	ug/L	11 U	10 U	11 U
2,4,5-Trichlorophenol	ug/L	27 U	26 U	27 U
2-Chloronaphthalene	ug/L	11 U	10 U	11 U
2-Nitroaniline	ug/L	27 U	26 U	27 U
Dimethylphthalate	ug/L	11 U	10 U	11 U
Acenaphthylene	ug/L	11 U	10 U	11 U
2,6-Dinitrotoluene	ug/L	11 U	10 U	11 U
3-Nitroaniline	ug/L	27 U	26 U	27 U
Acenaphthene	ug/L	11 U	10 U	11 U
2,4-Dinitrophenol	ug/L	27 U	26 U	27 U
4-Nitrophenol	ug/L	27 U	26 U	27 U
Dibenzofuran	ug/L	11 U	10 U	11 U
2,4-Dinitrotoluene	ug/L	11 U	10 U	11 U
Diethylphthalate	ug/L	11 U	10 U	11 U
4-Chlorophenyl-phenyl ether	ug/L	11 U	10 U	11 U
Fluorene	ug/L	11 U	10 U	11 U
4-Nitroaniline	ug/L	27 U	26 U	27 U
4,6-Dinitro-2-methylphenol	ug/L	27 U	26 U	27 U
N-Nitrosodiphenylamine	ug/L	11 U	10 U	11 U
4-Bromophenyl-phenyl ether	ug/L	11 U	10 U	11 U
Hexachlorobenzene	ug/L	11 U	10 U	11 U
Pentachlorophenol	ug/L	27 U	26 U	27 U
Phenanthrene	ug/L	11 U	10 U	11 U
Anthracene	ug/L	11 U	10 U	11 U
Carbazole	ug/L	11 U	10 U	11 U
Di-n-butylphthalate	ug/L	11 U	10 U	11 U
Fluoranthene	ug/L	11 U	10 U	11 U
Pyrene	ug/L	11 U	10 U	11 U
Butylbenzylphthalate	ug/L	11 U	10 U	11 U
3,3'-Dichlorobenzidine	ug/L	11 U	10 U	11 U
Benzo(a)anthracene	ug/L	11 U	10 U	11 U
Chrysene	ug/L	11 U	10 U	11 U
bis(2-Ethylhexyl)phthalate	ug/L	11 U	37 U	11 U
Di-n-octylphthalate	ug/L	11 U	10 U	11 U
Benzo(b)fluoranthene	ug/L	11 U	10 U	11 U
Benzo(k)fluoranthene	ug/L	11 U	10 U	11 U
Benzo(a)pyrene	ug/L	11 U	10 U	11 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	10 U	11 U
Dibenz(a,h)anthracene	ug/L	11 U	10 U	11 U
Benzo(g,h,i)perylene	ug/L	11 U	10 U	11 U

SENECA ARMY DEPOT
SEAD-50 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-50 04/19/94 SW50-1 218499 43626	WATER SEAD-50 04/19/94 SW50-2 218500 43626	WATER SEAD-50 04/19/94 SW50-3 218501 43626
PESTICIDES/PCB				
alpha-BHC	ug/L	0.052 U	0.052 U	0.053 U
beta-BHC	ug/L	0.052 U	0.052 U	0.053 U
delta-BHC	ug/L	0.052 U	0.052 U	0.053 U
gamma-BHC (Lindane)	ug/L	0.052 U	0.052 U	0.053 U
Heptachlor	ug/L	0.052 U	0.052 U	0.053 U
Aldrin	ug/L	0.052 U	0.052 U	0.053 U
Heptachlor epoxide	ug/L	0.052 U	0.052 U	0.053 U
Endosulfan I	ug/L	0.052 U	0.052 U	0.053 U
Dieldrin	ug/L	0.1 U	0.1 U	0.11 U
4,4'-DDE	ug/L	0.1 U	0.1 U	0.11 U
Endrin	ug/L	0.1 U	0.1 U	0.11 U
Endosulfan II	ug/L	0.1 U	0.1 U	0.11 U
4,4'-DDD	ug/L	0.1 U	0.1 U	0.11 U
Endosulfan sulfate	ug/L	0.1 U	0.1 U	0.11 U
4,4'-DDT	ug/L	0.1 U	0.1 U	0.11 U
Methoxychlor	ug/L	0.52 U	0.52 U	0.53 U
Endrin ketone	ug/L	0.1 U	0.1 U	0.11 U
Endrin aldehyde	ug/L	0.1 U	0.1 U	0.11 U
alpha-Chlordane	ug/L	0.052 U	0.052 U	0.053 U
gamma-Chlordane	ug/L	0.052 U	0.052 U	0.053 U
Toxaphene	ug/L	5.2 U	5.2 U	5.3 U
Aroclor-1018	ug/L	1 U	1 U	1.1 U
Aroclor-1221	ug/L	2.1 U	2.1 U	2.1 U
Aroclor-1232	ug/L	1 U	1 U	1.1 U
Aroclor-1242	ug/L	1 U	1 U	1.1 U
Aroclor-1248	ug/L	1 U	1 U	1.1 U
Aroclor-1254	ug/L	1 U	1 U	1.1 U
Aroclor-1260	ug/L	1 U	1 U	1.1 U
METALS				
Aluminum	ug/L	376	63.1 J	68.2 J
Antimony	ug/L	0.99 U	0.99 U	1 U
Arsenic	ug/L	22.1	4.5 J	1.5 U
Barium	ug/L	33.4 J	34.3 J	21.9 J
Beryllium	ug/L	0.06 U	0.06 U	0.06 U
Cadmium	ug/L	0.1 U	0.1 U	0.1 U
Calcium	ug/L	82700	85200	43400
Chromium	ug/L	0.86 J	0.4 U	1.3 J
Cobalt	ug/L	0.6 U	0.6 U	0.6 U
Copper	ug/L	2.1 J	1.1 J	1.8 J
Iron	ug/L	575	91.8 J	121
Lead	ug/L	0.89 J	0.8 U	0.8 U
Magnesium	ug/L	12300	13200	8660
Manganese	ug/L	67.9	6.6 J	7.1 J
Mercury	ug/L	0.03 U	0.03 U	0.03 U
Nickel	ug/L	1.7 J	0.6 U	0.83 J
Potassium	ug/L	3140 J	1210 J	822 J
Selenium	ug/L	1.7 U	1.7 U	1.7 U
Silver	ug/L	0.69 U	0.7 U	0.7 U
Sodium	ug/L	1890 J	11000	11200
Thallium	ug/L	1.6 U	1.6 U	1.6 U
Vanadium	ug/L	1.1 J	0.7 U	0.7 U
Zinc	ug/L	10.5 J	8.1 J	1.5 J
Cyanide	ug/L	5 UJ	5 UJ	5 UJ
OTHER ANALYSES				
Nitrate/Nitrite - Nitrogen	mg/L			
Total Petroleum Hydrocarbons	mg/L			
pH	Standard Units	7.1	7.7	8.4
Conductivity	umhos/cm	360	450	260
Temperature	°C	13.2	15.7	16
Turbidity	NTU	1	5.1	1.6

SENECA ARMY DEPOT
SEAD-50 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

MATRIX LOCATION	SOIL SEAD-50	SOIL SEAD-50	SOIL SEAD-50
DEPTH (FEET)	0-0.2	0-0.2	0-0.2
SAMPLE DATE	04/19/94	04/19/94	04/19/94
ES ID	SD50-1	SD50-2	SD50-3
LAB ID	218502	218503	218504
SDG NUMBER	43663	43663	43663
COMPOUND	UNITS		
VOLATILE ORGANICS			
Chloromethane	ug/Kg	20 U	21 UJ 13 U
Bromomethane	ug/Kg	20 U	21 UJ 13 U
Vinyl Chloride	ug/Kg	20 U	21 UJ 13 U
Chloroethane	ug/Kg	20 U	21 UJ 13 U
Methylene Chloride	ug/Kg	20 U	21 UJ 13 U
Acetone	ug/Kg	28 U	21 UJ 28 U
Carbon Disulfide	ug/Kg	20 U	21 UJ 13 U
1,1-Dichloroethane	ug/Kg	20 U	21 UJ 13 U
1,1-Dichloroethane	ug/Kg	20 U	21 UJ 13 U
1,2-Dichloroethane (total)	ug/Kg	20 U	21 UJ 13 U
Chloroform	ug/Kg	20 U	21 UJ 13 U
1,2-Dichloroethane	ug/Kg	20 U	21 UJ 13 U
2-Butanone	ug/Kg	11 J	21 UJ 13 U
1,1,1-Trichloroethane	ug/Kg	20 U	21 UJ 13 U
Carbon Tetrachloride	ug/Kg	20 U	21 UJ 13 U
Bromodichloromethane	ug/Kg	20 U	21 UJ 13 U
1,2-Dichloropropane	ug/Kg	20 U	21 UJ 13 U
cis-1,3-Dichloropropene	ug/Kg	20 U	21 UJ 13 U
Trichloroethene	ug/Kg	20 U	21 UJ 13 U
Dibromochloromethane	ug/Kg	20 U	21 UJ 13 U
1,1,2-Trichloroethane	ug/Kg	20 U	21 UJ 13 U
Benzene	ug/Kg	20 U	21 UJ 13 U
trans-1,3-Dichloropropene	ug/Kg	20 U	21 UJ 13 U
Bromoform	ug/Kg	20 U	21 UJ 13 U
4-Methyl-2-Pentanone	ug/Kg	20 U	21 UJ 13 U
2-Hexanone	ug/Kg	20 U	21 UJ 13 U
Tetrachloroethene	ug/Kg	20 U	21 UJ 13 U
1,1,2,2-Tetrachloroethane	ug/Kg	20 U	21 UJ 13 U
Toluene	ug/Kg	20 U	21 UJ 13 U
Chlorobenzene	ug/Kg	20 U	21 UJ 13 U
Ethylbenzene	ug/Kg	20 U	21 UJ 13 U
Styrene	ug/Kg	20 U	21 UJ 13 U
Xylene (total)	ug/Kg	20 U	21 UJ 13 U
HERBICIDES			
2,4-D	ug/Kg		
2,4-DB	ug/Kg		
2,4,5-T	ug/Kg		
2,4,5-TP (Silvex)	ug/Kg		
Dalapon	ug/Kg		
Dicamba	ug/Kg		
Dichloroprop	ug/Kg		
Dinoseb	ug/Kg		
MCPA	ug/Kg		
MCPP	ug/Kg		
NITROAROMATICS			
HMX	ug/Kg		
RDX	ug/Kg		
1,3,5-Trinitrobenzene	ug/Kg		
1,3-Dinitrobenzene	ug/Kg		
Tetryl	ug/Kg		
2,4,6-Trinitrotoluene	ug/Kg		
4-amino-2,6-Dinitrotoluene	ug/Kg		
2-amino-4,6-Dinitrotoluene	ug/Kg		
2,6-Dinitrotoluene	ug/Kg		
2,4-Dinitrotoluene	ug/Kg		

SENECA ARMY DEPOT
SEAD-50 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

MATRIX LOCATION DEPTH FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-50 0-0.2 04/19/94 SD50-1 218502 43663	SOIL SEAD-50 0-0.2 04/19/94 SD50-2 218503 43663	SOIL SEAD-50 0-0.2 04/19/94 SD50-3 218504 43663
COMPOUND	UNITS		
SEMIVOLATILE ORGANICS			
Phenol	ug/Kg	610 U	690 UJ 420 U
bis(2-Chloroethyl) ether	ug/Kg	610 U	690 UJ 420 U
2-Chlorophenol	ug/Kg	610 U	690 UJ 420 U
1,3-Dichlorobenzene	ug/Kg	610 U	690 UJ 420 U
1,4-Dichlorobenzene	ug/Kg	610 U	690 UJ 420 U
1,2-Dichlorobenzene	ug/Kg	610 U	690 UJ 420 U
2-Methylphenol	ug/Kg	610 U	690 UJ 420 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	610 U	690 UJ 420 U
4-Methylphenol	ug/Kg	44 J	110 J 420 U
N-Nitroso-di-n-propylamine	ug/Kg	610 U	690 UJ 420 U
Hexachloroethane	ug/Kg	610 U	690 UJ 420 U
Nitrobenzene	ug/Kg	610 U	690 UJ 420 U
Isophorone	ug/Kg	610 U	690 UJ 420 U
2-Nitrophenol	ug/Kg	610 U	690 UJ 420 U
2,4-Dimethylphenol	ug/Kg	610 U	690 UJ 420 U
bis(2-Chloroethoxy) methane	ug/Kg	610 U	690 UJ 420 U
2,4-Dichlorophenol	ug/Kg	610 U	690 UJ 420 U
1,2,4-Trichlorobenzene	ug/Kg	610 U	690 UJ 420 U
Naphthalene	ug/Kg	610 U	690 UJ 420 U
4-Chloroaniline	ug/Kg	610 U	690 UJ 420 U
Hexachlorobutadiene	ug/Kg	610 U	690 UJ 420 U
4-Chloro-3-methylphenol	ug/Kg	610 U	690 UJ 420 U
2-Methylnaphthalene	ug/Kg	610 U	690 UJ 420 U
Hexachlorocyclopentadiene	ug/Kg	610 U	690 UJ 420 U
2,4,6-Trichlorophenol	ug/Kg	610 U	690 UJ 420 U
2,4,5-Trichlorophenol	ug/Kg	1500 U	1700 UJ 1000 U
2-Chloronaphthalene	ug/Kg	610 U	690 UJ 420 U
2-Nitroaniline	ug/Kg	1500 U	1700 UJ 1000 U
Dimethylphthalate	ug/Kg	610 U	690 UJ 420 U
Acenaphthylene	ug/Kg	610 U	690 UJ 420 U
2,6-Dinitrotoluene	ug/Kg	610 U	690 UJ 420 U
3-Nitroaniline	ug/Kg	1500 U	1700 UJ 1000 U
Acenaphthene	ug/Kg	160 J	690 UJ 420 U
2,4-Dinitrophenol	ug/Kg	1500 U	1700 UJ 1000 U
4-Nitrophenol	ug/Kg	1500 U	1700 UJ 1000 U
Dibenzofuran	ug/Kg	97 J	690 UJ 420 U
2,4-Dinitrotoluene	ug/Kg	610 U	690 UJ 420 U
Diethylphthalate	ug/Kg	610 U	690 UJ 420 U
4-Chlorophenyl-phenylether	ug/Kg	610 U	690 UJ 420 U
Fluorene	ug/Kg	310 J	690 UJ 420 U
4-Nitroaniline	ug/Kg	1500 U	1700 UJ 1000 U
4,6-Dinitro-2-methylphenol	ug/Kg	1500 U	1700 UJ 1000 U
N-Nitrosodiphenylamine	ug/Kg	610 U	690 UJ 420 U
4-Bromophenyl-phenylether	ug/Kg	610 U	690 UJ 420 U
Hexachlorobenzene	ug/Kg	610 U	690 UJ 420 U
Pentachlorophenol	ug/Kg	1500 U	1700 UJ 1000 U
Phenanthrene	ug/Kg	2700	140 J 35 J
Anthracene	ug/Kg	480 J	690 UJ 420 U
Carbazole	ug/Kg	250 J	690 UJ 420 U
Di-n-butylphthalate	ug/Kg	610 U	690 UJ 420 U
Fluoranthene	ug/Kg	3500	310 J 94 J
Pyrene	ug/Kg	4000	300 J 83 J
Butylbenzylphthalate	ug/Kg	610 U	690 UJ 420 U
3,3'-Dichlorobenzidine	ug/Kg	610 U	690 UJ 420 U
Benzo(a)anthracene	ug/Kg	1400	120 J 44 J
Chrysene	ug/Kg	1500	170 J 60 J
bis(2-Ethylhexyl)phthalate	ug/Kg	610 U	690 UJ 420 U
Di-n-octylphthalate	ug/Kg	610 U	690 UJ 420 U
Benzo(b)fluoranthene	ug/Kg	1300	160 J 51 J
Benzo(k)fluoranthene	ug/Kg	1200	160 J 69 J
Benzo(a)pyrene	ug/Kg	1200	160 J 58 J
Indeno(1,2,3-cd)pyrene	ug/Kg	770	120 J 38 J
Dibenz(a,h)anthracene	ug/Kg	280 J	690 UJ 420 U
Benzo(g,h,i)perylene	ug/Kg	790	120 J 42 J

SENECA ARMY DEPOT
SEAD-50 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET)	SOIL SEAD-50 0-0.2	SOIL SEAD-50 0-0.2	SOIL SEAD-50 0-0.2
SAMPLE DATE	04/19/94	04/19/94	04/19/94
ES ID	SD50-1	SD50-2	SD50-3
LAB ID	218502	218503	218504
SDG NUMBER	43663	43663	43663
COMPOUND	UNITS		
PESTICIDES/PCB			
alpha-BHC	ug/Kg	3.1 U	3.5 UJ 2.2 U
beta-BHC	ug/Kg	3.1 U	3.5 UJ 2.2 U
delta-BHC	ug/Kg	3.1 U	3.5 UJ 2.2 U
gamma-BHC (Lindane)	ug/Kg	3.1 U	3.5 UJ 2.2 U
Heptachlor	ug/Kg	3.1 U	3.5 UJ 2.2 U
Aldrin	ug/Kg	2.2 J	3.5 UJ 2.2 U
Heptachlor epoxide	ug/Kg	3.1 U	3.5 UJ 2.2 U
Endosulfan I	ug/Kg	15 J	3 J 2.2 U
Dieldrin	ug/Kg	6.1 U	6.9 UJ 4.2 U
4,4'-DDE	ug/Kg	4.3 J	6.9 UJ 4.2 U
Endrin	ug/Kg	6.1 U	6.9 UJ 4.2 U
Endosulfan II	ug/Kg	6.1 U	6.9 UJ 4.2 U
4,4'-DDD	ug/Kg	6.1 U	6.9 UJ 4.2 U
Endosulfan sulfate	ug/Kg	6.1 U	6.9 UJ 4.2 U
4,4'-DDT	ug/Kg	6.1 U	6.9 UJ 4.2 U
Methoxychlor	ug/Kg	31 U	35 UJ 22 U
Endrin ketone	ug/Kg	6.1 U	6.9 UJ 4.2 U
Endrin aldehyde	ug/Kg	6.1 U	6.9 UJ 4.2 U
alpha-Chlordane	ug/Kg	8 J	3.5 UJ 2.2 U
gamma-Chlordane	ug/Kg	3.1 U	3.5 UJ 2.2 U
Toxaphene	ug/Kg	310 U	350 UJ 220 U
Aroclor-1016	ug/Kg	61 U	69 UJ 42 U
Aroclor-1221	ug/Kg	120 U	140 UJ 85 U
Aroclor-1232	ug/Kg	61 U	69 UJ 42 U
Aroclor-1242	ug/Kg	120 U	69 UJ 42 U
Aroclor-1248	ug/Kg	61 U	69 UJ 42 U
Aroclor-1254	ug/Kg	61 U	69 UJ 42 U
Aroclor-1260	ug/Kg	56 J	69 UJ 42 U
METALS			
Aluminum	mg/Kg	16300	11000 J 10300
Antimony	mg/Kg	3.3 J	0.55 J 0.24 J
Arsenic	mg/Kg	62.7	27.5 J 4.1
Barium	mg/Kg	108	117 J 62.9
Beryllium	mg/Kg	0.75 J	0.53 J 0.48 J
Cadmium	mg/Kg	0.57 J	0.8 J 0.23 J
Calcium	mg/Kg	7570	14800 J 31400
Chromium	mg/Kg	25.1	23.3 J 15.9
Cobalt	mg/Kg	9.3 J	8.7 J 6.1
Copper	mg/Kg	25.5	18.9 J 19.9
Iron	mg/Kg	26800	20500 J 19700
Lead	mg/Kg	49.6	25.5 J 10.8
Magnesium	mg/Kg	4980	3780 J 6400
Manganese	mg/Kg	284 J	1380 J 390 J
Mercury	mg/Kg	0.05 J R	0.06 J R 0.02 J
Nickel	mg/Kg	29.4	27.4 J 24.4
Potassium	mg/Kg	2530	1680 J 1580
Selenium	mg/Kg	0.48 U	0.43 UJ 0.24 U
Silver	mg/Kg	0.2 U	0.18 UJ 0.1 U
Sodium	mg/Kg	45.1 U	121 J 69.7 J
Thallium	mg/Kg	0.48 U	0.4 UJ 0.23 U
Vanadium	mg/Kg	28.8	20.3 J 17.3
Zinc	mg/Kg	202	243 J 83.9
Cyanide	mg/Kg	0.84 U	1 UJ 0.53 U
OTHER ANALYSES			
Nitrate/Nitrite-Nitrogen	mg/Kg		
Total Petroleum Hydrocarbons	mg/Kg		
Total Solids	%W/W	54.5	48 78.7

**SENECA ARMY DEPOT
SEAD-50 EXPANDED SITE INSPECTION
BULK SAMPLE ASBESTOS ANALYSIS RESULTS**

ES Sample ID	Asbestos (% Type)	Other Material
SS50-1	10-15 % Chrysotile	Binder, Quartz, 3-5 % Organic Fiber
SS50-2	Not Detected	Binder, Quartz, 15-25 % Organic Fiber
SS50-3	Not Detected	Binder, Quartz, 10-15 % Organic Fiber
SS50-4	Not Detected	Binder, Quartz, 1-3 % Organic Fiber
SS50-5	Not Detected	Binder, Quartz, 15-25 % Organic Fiber
SS50-6	Not Detected	Binder, Quartz, 15-25 % Organic Fiber
SS50-7	Not Detected	Binder, Quartz, 15-25 % Organic Fiber
SS50-8	Not Detected	Binder, Quartz, 5-10 % Organic Fiber
SS50-9	Not Detected	Binder, Quartz, 35-45 % Organic Fiber
SS50-10	Not Detected	Binder, Quartz, 10-15 % Organic Fiber
SS50-11	Not Detected	Binder, Quartz, 10-15 % Organic Fiber
SS50-12	Not Detected	Binder, Quartz, 5-10 % Organic Fiber
SS50-13	Not Detected	Binder, Quartz, 10-15 % Organic Fiber
SS50-14	Not Detected	Binder, Quartz, 1-3 % Organic Fiber
SS50-15	Not Detected	Binder, Quartz, 5-10 % Organic Fiber
SS50-16	Not Detected	Binder, Quartz, 3-5 % Organic Fiber

SENECA ARMY DEPOT
SEAD-58 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-58 0-0.2 04/13/94 SS58-1 217689 43535	SOIL SEAD-58 0-0.2 04/13/94 SS58-2 217690 43535	SOIL SEAD-58 0-0.2 04/13/94 SS58-3 217691 43535	SOIL SEAD-58 0-0.2 06/09/94 SB58-1-00 223689 44694	SOIL SEAD-58 2-4 06/09/94 SB58-1-02 223690 44694	SOIL SEAD-58 4-5 06/09/94 SB58-1-03 223691 44694	SOIL SEAD-58 0-0.2 06/09/94 SB58-2-00 223692 44694	SOIL SEAD-58 2-4 06/09/94 SB58-2-02 223693 44694	SOIL SEAD-58 4-6 06/09/94 SB58-2-04 223694 44694	SOIL SEAD-58 0-0.2 06/09/94 SB58-3-00 223695 44694
VOLATILE ORGANICS										
Chloromethane	ug/Kg	12 U	13 U	14 U	11 U	11 U	11 U	11 U	11 U	12 UJ
Bromomethane	ug/Kg	12 U	13 U	14 U	11 U	11 U	11 U	11 U	11 U	12 UJ
Vinyl Chloride	ug/Kg	12 U	13 U	14 U	11 U	11 U	11 U	11 U	11 U	12 UJ
Chloroethane	ug/Kg	12 U	13 U	14 U	11 U	11 U	11 U	11 U	11 U	12 UJ
Methylene Chloride	ug/Kg	12 U	13 U	14 U	11 U	11 U	11 U	11 U	11 U	12 UJ
Acetone	ug/Kg	280 U	13 U	14 U	11 U	11 U	18 U	11 U	11 U	12 UJ
Carbon Disulfide	ug/Kg	12 U	13 U	14 U	11 U	11 U	11 U	11 U	11 U	12 UJ
1,1-Dichloroethane	ug/Kg	12 U	13 U	14 U	11 U	11 U	11 U	11 U	11 U	12 UJ
1,1-Dichloroethane	ug/Kg	12 U	13 U	14 U	11 U	11 U	11 U	11 U	11 U	12 UJ
1,2-Dichloroethane (total)	ug/Kg	12 U	13 U	14 U	11 U	11 U	11 U	11 U	11 U	12 UJ
Chloroform	ug/Kg	12 U	13 U	14 U	11 U	11 U	11 U	11 U	11 U	12 UJ
1,2-Dichloroethane	ug/Kg	12 U	13 U	14 U	11 U	11 U	11 U	11 U	11 U	12 UJ
2-Butanone	ug/Kg	12 U	13 U	14 U	11 U	11 U	11 U	11 U	11 U	12 UJ
1,1,1-Trichloroethane	ug/Kg	12 U	13 U	14 U	11 U	11 U	11 U	11 U	11 U	12 UJ
Carbon Tetrachloride	ug/Kg	12 U	13 U	14 U	11 U	11 U	11 U	11 U	11 U	12 UJ
Bromochloromethane	ug/Kg	12 U	13 U	14 U	11 U	11 U	11 U	11 U	11 U	12 UJ
1,2-Dichloropropane	ug/Kg	12 U	13 U	14 U	11 U	11 U	11 U	11 U	11 U	12 UJ
cis-1,3-Dichloropropene	ug/Kg	12 U	13 U	14 U	11 U	11 U	11 U	11 U	11 U	12 UJ
Trichloroethene	ug/Kg	12 U	13 U	14 U	11 U	11 U	11 U	11 U	11 U	12 UJ
Dibromochloromethane	ug/Kg	12 U	13 U	14 U	11 U	11 U	11 U	11 U	11 U	12 UJ
1,1,2-Trichloroethane	ug/Kg	12 U	13 U	14 U	11 U	11 U	11 U	11 U	11 U	12 UJ
Benzene	ug/Kg	12 U	13 U	14 U	11 U	11 U	11 U	11 U	11 U	12 UJ
trans-1,3-Dichloropropene	ug/Kg	12 U	13 U	14 U	11 U	11 U	11 U	11 U	11 U	12 UJ
Bromoform	ug/Kg	12 U	13 U	14 U	11 U	11 U	11 U	11 U	11 U	12 UJ
4-Methyl-2-Pentanone	ug/Kg	12 U	13 U	14 U	11 U	11 U	11 U	11 U	11 U	12 UJ
2-Hexanone	ug/Kg	12 U	13 U	14 U	11 U	11 U	11 U	11 U	11 U	12 UJ
Tetrachloroethene	ug/Kg	12 U	13 U	14 U	11 U	11 U	11 U	11 U	11 U	12 UJ
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	13 U	14 U	11 U	11 U	11 U	11 U	11 U	12 UJ
Toluene	ug/Kg	12 U	13 U	14 U	11 U	11 U	11 U	11 U	11 U	12 UJ
Chlorobenzene	ug/Kg	12 U	13 U	14 U	11 U	11 U	11 U	11 U	11 U	12 UJ
Ethylbenzene	ug/Kg	12 U	13 U	14 U	11 U	11 U	11 U	11 U	11 U	12 UJ
Styrene	ug/Kg	12 U	13 U	14 U	11 U	11 U	11 U	11 U	11 U	12 UJ
Xylene (total)	ug/Kg	12 U	13 U	14 U	11 U	11 U	11 U	11 U	11 U	12 UJ
HERBICIDES										
2,4-D	ug/Kg									
2,4-DB	ug/Kg									
2,4,5-T	ug/Kg									
2,4,5-TP (Silvex)	ug/Kg									
Dalapon	ug/Kg									
Dicamba	ug/Kg									
Dichloroprop	ug/Kg									
Dinoseb	ug/Kg									
MCPA	ug/Kg									
MCPP	ug/Kg									
NITROAROMATICS										
HMX	ug/Kg									
RDX	ug/Kg									
1,3,5-Trinitrobenzene	ug/Kg									
1,3-Dinitrobenzene	ug/Kg									
Tetryl	ug/Kg									
2,4,6-Trinitrotoluene	ug/Kg									
4-amino-2,6-Dinitrotoluene	ug/Kg									
2-amino-4,6-Dinitrotoluene	ug/Kg									
2,6-Dinitrotoluene	ug/Kg									
2,4-Dinitrotoluene	ug/Kg									

SENECA ARMY DEPOT
SEAD-58 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-58 0-0.2 04/13/94 SS58-1 217689 43535	SOIL SEAD-58 0-0.2 04/13/94 SS58-2 217690 43535	SOIL SEAD-58 0-0.2 04/13/94 SS58-3 217691 43535	SOIL SEAD-58 0-0.2 06/09/94 SB58-1-00 223689 44694	SOIL SEAD-58 2-4 06/09/94 SB58-1-02 223690 44694	SOIL SEAD-58 4-5 06/09/94 SB58-1-03 223691 44694	SOIL SEAD-58 0-0.2 06/09/94 SB58-2-00 223692 44694	SOIL SEAD-58 2-4 06/09/94 SB58-2-02 223693 44694	SOIL SEAD-58 4-8 06/09/94 SB58-2-04 223694 44694	SOIL SEAD-58 0-0.2 06/09/94 SB58-3-00 223695 44694
SEMIVOLATILE ORGANICS										
Phend	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
bis(2-Chloroethyl) ether	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
2-Chlorophend	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
1,3-Dichlorobenzene	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
1,4-Dichlorobenzene	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
1,2-Dichlorobenzene	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
2-Methylphenol	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
2,2'-oxybis(1-Chloropropane)	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
4-Methylphenol	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
N-Nitroso-d-n-propylamine	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Hexachloroethane	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Nitrobenzene	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Isophorone	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
2-Nitrophenol	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
2,4-Dimethylphenol	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
bis(2-Chloroethoxy) methane	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
2,4-Dichlorophenol	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
1,2,4-Trichlorobenzene	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Naphthalene	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
4-Chloroaniline	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Hexachlorobutadiene	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
4-Chloro-3-methylphenol	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
2-Methylnaphthalene	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Hexachlorocyclopentadiene	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
2,4,6-Trichlorophenol	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
2,4,5-Trichlorophenol	ug/Kg 960 U	1000 U	1100 U	920 U	870 U	830 U	920 U	860 U	860 U	1000 U
2-Chloronaphthalene	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
2-Nitroaniline	ug/Kg 960 U	1000 U	1100 U	920 U	870 U	830 U	920 U	860 U	860 U	1000 U
Dimethylphthalate	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Acenaphthylene	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
2,6-Dinitrotoluene	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
3-Nitroaniline	ug/Kg 960 U	1000 U	1100 U	920 U	870 U	830 U	920 U	860 U	860 U	1000 U
Acenaphthene	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
2,4-Dinitrophenol	ug/Kg 960 U	1000 U	1100 U	920 U	870 U	830 U	920 U	860 U	860 U	1000 U
4-Nitrophenol	ug/Kg 960 U	1000 U	1100 U	920 U	870 U	830 U	920 U	860 U	860 U	1000 U
Dibenzofuran	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
2,4-Dinitrotoluene	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Diethylphthalate	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
4-Chlorophenyl-phenylether	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Fluorene	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
4-Nitroaniline	ug/Kg 960 U	1000 U	1100 U	920 U	870 U	830 U	920 U	860 U	860 U	1000 U
4,6-Dinitro-2-methylphenol	ug/Kg 960 U	1000 U	1100 U	920 U	870 U	830 U	920 U	860 U	860 U	1000 U
N-Nitrosodiphenylamine	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
4-Bromophenyl-phenylether	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Hexachlorobenzene	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Pentachlorophend	ug/Kg 960 U	1000 U	1100 U	920 U	870 U	830 U	920 U	860 U	860 U	1000 U
Phenanthrene	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Anthracene	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Carbazole	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Di-n-butylphthalate	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Fluoranthene	ug/Kg 400 U	430 U	21 J	380 U	360 U	340 U	26 J	350 U	350 U	410 U
Pyrene	ug/Kg 400 U	430 U	22 J	380 U	360 U	340 U	22 J	350 U	350 U	410 U
Butylbenzylphthalate	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
3,3'-Dichlorobenzidine	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Benzo(a)anthracene	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Chrysene	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
bis(2-Ethylhexyl)phthalate	ug/Kg 28 J	25 J	23 J	24 J	79 J	49 J	260 J	52 J	110 J	25 J
Di-n-octylphthalate	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Benzo(b)fluoranthene	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Benzo(k)fluoranthene	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Benzo(a)pyrene	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Indeno(1,2,3-cd)pyrene	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Dibenz(a,h)anthracene	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Benzo(g,h,i)perylene	ug/Kg 400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U

SENECA ARMY DEPOT
SEAD-58 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-58 0-0.2 04/13/94 SS58-1 217689 43535	SOIL SEAD-58 0-0.2 04/13/94 SS58-2 217690 43535	SOIL SEAD-58 0-0.2 04/13/94 SS58-3 217691 43535	SOIL SEAD-58 0-0.2 06/09/94 SB58-1-00 223689 44694	SOIL SEAD-58 2-4 06/09/94 SB58-1-02 223690 44694	SOIL SEAD-58 4-5 06/09/94 SB58-1-03 223691 44694	SOIL SEAD-58 0-0.2 06/09/94 SB58-2-00 223692 44694	SOIL SEAD-58 2-4 06/09/94 SB58-2-02 223693 44694	SOIL SEAD-58 4-6 06/09/94 SB58-2-04 223694 44694	SOIL SEAD-58 0-0.2 06/09/94 SB58-3-00 223695 44694	
COMPOUND	UNITS										
PESTICIDES/PCB											
alpha-BHC	ug/Kg 2 U	2.2 U	2.3 U	2 U	1.8 U	1.8 U	2 U	1.8 U	1.8 U	2.1 U	
beta-BHC	ug/Kg 2 U	2.2 U	2.3 U	2 U	1.8 U	1.8 U	2 U	1.8 U	1.8 U	2.1 U	
delta-BHC	ug/Kg 2 U	2.2 U	2.3 U	2 U	1.8 U	1.8 U	2 U	1.8 U	1.8 U	2.1 U	
gamma-BHC (Lindane)	ug/Kg 2 U	2.2 U	2.3 U	2 U	1.8 U	1.8 U	2 U	1.8 U	1.8 U	2.1 U	
Heptachlor	ug/Kg 2 U	2.2 U	2.3 U	2 U	1.8 U	1.8 U	2 U	1.8 U	1.8 U	2.1 U	
Aldrin	ug/Kg 2 U	2.2 U	2.3 U	2 U	1.8 U	1.8 U	2 U	1.8 U	1.8 U	2.1 U	
Heptachlor epoxide	ug/Kg 2 U	2.2 U	2.3 U	2 U	1.8 U	1.8 U	2 U	1.8 U	1.8 U	2.1 U	
Endosulfan I	ug/Kg 2 U	2.2 U	2.3 U	2 U	1.8 U	1.8 U	2 U	1.8 U	1.8 U	1.3 J	
Dieldrin	ug/Kg 4 U	4.3 U	4.4 U	3.8 U	3.6 U	3.4 U	3.8 U	3.5 U	3.5 U	4.1 U	
4,4'-DDE	ug/Kg 4 U	4.3 U	4.4 U	3.8 U	3.6 U	3.4 U	3.8 U	3.5 U	3.5 U	4.1 U	
Endrin	ug/Kg 4 U	4.3 U	4.4 U	3.8 U	3.6 U	3.4 U	3.8 U	3.5 U	3.5 U	4.1 U	
Endosulfan II	ug/Kg 4 U	4.3 U	4.4 U	3.8 U	3.6 U	3.4 U	3.8 U	3.5 U	3.5 U	4.1 U	
4,4'-DDD	ug/Kg 4 U	4.3 U	4.4 U	3.8 U	3.6 U	3.4 U	3.8 U	3.5 U	3.5 U	4.1 U	
Endosulfan sulfate	ug/Kg 4 U	4.3 U	4.4 U	3.8 U	3.6 U	3.4 U	3.8 U	3.5 U	3.5 U	4.1 U	
4,4'-DDT	ug/Kg 4 U	4.3 U	4.4 U	3.8 U	3.6 U	3.4 U	3.8 U	3.5 U	3.5 U	4.1 U	
Methoxychlor	ug/Kg 20 U	22 U	23 U	20 U	18 U	18 U	20 U	18 U	18 U	21 U	
Endrin ketone	ug/Kg 4 U	4.3 U	4.4 U	3.8 U	3.6 U	3.4 U	3.8 U	3.5 U	3.5 U	4.1 U	
Endrin aldehyde	ug/Kg 4 U	4.3 U	4.4 U	3.8 U	3.6 U	3.4 U	3.8 U	3.5 U	3.5 U	4.1 U	
alpha-Chlordane	ug/Kg 2 U	2.2 U	2.3 U	2 U	1.8 U	1.8 U	2 U	1.8 U	1.8 U	2.1 U	
gamma-Chlordane	ug/Kg 2 U	2.2 U	2.3 U	2 U	1.8 U	1.8 U	2 U	1.8 U	1.8 U	2.1 U	
Toxaphene	ug/Kg 200 U	220 U	230 U	200 U	180 U	180 U	200 U	180 U	180 U	210 U	
Aroclor-1016	ug/Kg 40 U	43 U	44 U	38 U	36 U	34 U	38 U	35 U	35 U	41 U	
Aroclor-1221	ug/Kg 81 U	87 U	89 U	77 U	73 U	70 U	77 U	72 U	72 U	84 U	
Aroclor-1232	ug/Kg 40 U	43 U	44 U	38 U	36 U	34 U	38 U	35 U	35 U	41 U	
Aroclor-1242	ug/Kg 40 U	43 U	44 U	38 U	36 U	34 U	38 U	35 U	35 U	41 U	
Aroclor-1246	ug/Kg 40 U	43 U	44 U	38 U	36 U	34 U	38 U	35 U	35 U	41 U	
Aroclor-1254	ug/Kg 40 U	43 U	44 U	38 U	36 U	34 U	38 U	35 U	35 U	41 U	
Aroclor-1260	ug/Kg 40 U	43 U	44 U	38 U	36 U	34 U	38 U	35 U	35 U	41 U	
METALS											
Aluminum	mg/Kg 12600	14300	8350	17000 J	11400 J	10500 J	9990 J	10400 J	11700 J	13800 J	
Antimony	mg/Kg 0.16 UJ	0.15 UJ	0.14 UJ	0.25 UJ	0.24 UJ	0.26 J	0.36 J	0.22 UJ	0.24 UJ	0.22 UJ	
Arsenic	mg/Kg 8.6	5	3.8	7	5	4.8	4.5	4.7	4.5	4.6	
Barium	mg/Kg 111	73.7	51.1	101 J	76.8 J	71.7 J	63.2 J	72 J	77.6 J	88.3 J	
Beryllium	mg/Kg 0.65 J	0.66 J	0.4 J	0.76 J	0.52 J	0.52 J	0.45 J	0.42 J	0.51 J	0.57 J	
Cadmium	mg/Kg 0.59 J	0.42 J	0.32 J	0.69 J	0.61 J	0.6 J	0.53 J	0.5 J	0.48 J	0.32 J	
Calcium	mg/Kg 68000	63400	79900	31300 J	64600 J	81500 J	55000 J	67100 J	91100 J	3250 J	
Chromium	mg/Kg 19.3	21.7	12.8	25.6 J	18.9 J	17.3 J	15.7 J	17.4 J	19.5 J	19.6 J	
Cobalt	mg/Kg 13.6	12.3	8.5	15.8 J	10.2 J	12 J	8.9 J	11.4 J	12.2 J	6.7 J	
Copper	mg/Kg 28.3	22.8	19	25.7 J	29.4 J	28.4 J	21.2 J	25.8 J	20.4 J	15.1 J	
Iron	mg/Kg 26100	26800	16400	30900 J	23900 J	21800 J	19700 J	21900 J	24800 J	23000 J	
Lead	mg/Kg 22.5	13	11.1	17.3	11	8.7	14.9	10.7	6	16.3	
Magnesium	mg/Kg 13700	10800	19800	9920 J	11800 J	12300 J	9510 J	15600 J	11900 J	3770 J	
Manganese	mg/Kg 741 J	577 J	315 J	679 J	437 J	576 J	414 J	714 J	241 J	241 J	
Mercury	mg/Kg 0.01 J	0.01 J	0.02 J	0.05 J R	0.03 J	0.03 J	0.03 J	0.02 J	0.02 J	0.07 J R	
Nickel	mg/Kg 38.8	35.3	21.8	39.7 J	33 J	32.2 J	26.5 J	32.6 J	31 J	21.6 J	
Potassium	mg/Kg 1440	1630	1450	2640	2150	2040	1510	2030	1610	1500	
Selenium	mg/Kg 0.27 U	0.28 U	0.23 U	0.84 J	0.49 U	0.35 U	0.57 J	0.45 U	0.5 U	1	
Silver	mg/Kg 0.61 U	0.59 U	0.54 U	0.1 UJ	0.09 UJ	0.06 UJ	0.09 UJ	0.08 UJ	0.09 UJ	0.08 UJ	
Sodium	mg/Kg 79.9 J	95.1 J	80.1 J	53.4 J	110 J	113 J	82.9 J	113 J	172 J	16.8 U	
Thallium	mg/Kg 0.25 U	0.24 U	0.22 U	0.37 U	0.35 U	0.25 U	0.33 U	0.32 U	0.35 U	0.32 U	
Vanadium	mg/Kg 21.5	15.1	29.5 J	19 J	17.1 J	17.2 J	17.6 J	16.8 J	16.8 J	25.4 J	
Zinc	mg/Kg 117	82.1	58.9	100 J	89.3 J	87.8 J	81.9 J	81.8 J	51.9 J	63.8 J	
Cyanide	mg/Kg 0.55 U	0.62 U	0.57 U	0.55 U	0.34 U	0.47 U	0.56 U	0.42 U	0.52 U	0.58 U	
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	82.7	76.9	74.6	87.2	92.4	95.6	87.1	92.8	93.3	80

SENECA ARMY DEPOT
SEAD-58 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-58 0-0.2 06/09/94 SB58-3-00RE 44694	SOIL SEAD-58 0.2-1.5 06/09/94 SB58-3-01 223756 44725	SOIL SEAD-58 1.5-3 06/09/94 SB58-3-02 223757 44725	SOIL SEAD-58 1.5-3 06/09/94 SB58-3-02RE 223757 44725	SOIL SEAD-58 2.5 06/10/94 TP58-1-1 223911 44748	SOIL SEAD-58 5 06/11/94 TP58-2-1 223912 44748	SOIL SEAD-58 2 06/11/94 TP58-3-1 223913 44748	SOIL SEAD-58 3 06/11/94 TP58-4 223914 44748	SOIL SEAD-58 5 06/11/94 TP58-5-1 223915 44748	SOIL SEAD-58 2 06/11/94 TP58-6-1 223916 44748	
VOLATILE ORGANICS											
Chloromethane	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Bromomethane	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Vinyl Chloride	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Chloroethane	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Methylene Chloride	ug/Kg	12 UJ	64	3 J	11 UJ	2 J	12 U	11 U	11 U	11 U	12 U
Acetone	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Carbon Disulfide	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
1,1-Dichloroethane	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
1,1-Dichloroethane	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
1,2-Dichloroethane (total)	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Chloroform	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
1,2-Dichloroethane	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
2-Butanone	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
1,1,1-Trichloroethane	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Carbon Tetrachloride	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Bromodichloromethane	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
1,2-Dichloropropane	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
cis-1,3-Dichloropropene	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Trichloroethene	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Dibromochloromethane	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
1,1,2-Trichloroethane	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Benzene	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
trans-1,3-Dichloropropene	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Bromoform	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
4-Methyl-2-Pentanone	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
2-Hexanone	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Tetrachloroethene	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
1,1,2,2-Tetrachloroethane	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Toluene	ug/Kg	12 UJ	11 U	11 U R	1 J	13 U	12 U	11 U	11 U	11 U	12 U
Chlorobenzene	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Ethylbenzene	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Styrene	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Xylene (total)	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
HERBICIDES											
2,4-D	ug/Kg										
2,4-DB	ug/Kg										
2,4,5-T	ug/Kg										
2,4,5-TP (Silvex)	ug/Kg										
Dalapon	ug/Kg										
Dicamba	ug/Kg										
Dichloroprop	ug/Kg										
Dinoseb	ug/Kg										
MCPA	ug/Kg										
MCPP	ug/Kg										
NITROAROMATICS											
HMX	ug/Kg										
RDX	ug/Kg										
1,3,5-Trinitrobenzene	ug/Kg										
1,3-Dinitrobenzene	ug/Kg										
Tetryl	ug/Kg										
2,4,6-Trinitrotoluene	ug/Kg										
4-amino-2,6-Dinitrotoluene	ug/Kg										
2-amino-4,6-Dinitrotoluene	ug/Kg										
2,6-Dinitrotoluene	ug/Kg										
2,4-Dinitrotoluene	ug/Kg										

SENECA ARMY DEPOT
SEAD-58 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-58 0-0.2 06/09/94 SB58-3-00RE 223695 44694	SOIL SEAD-58 0.2-1.5 06/09/94 SB58-3-01 223756 44725	SOIL SEAD-58 1.5-3 06/09/94 SB58-3-02 223757 44725	SOIL SEAD-58 1.5-3 06/09/94 SB58-3-02RE 223757 44725	SOIL SEAD-58 2.5 06/10/94 TP58-1-1 223911 44748	SOIL SEAD-58 5 06/11/94 TP58-2-1 223912 44748	SOIL SEAD-58 2 06/11/94 TP58-3-1 223913 44748	SOIL SEAD-58 3 06/11/94 TP58-4 223914 44748	SOIL SEAD-58 5 06/11/94 TP58-5-1 223915 44748	SOIL SEAD-58 2 06/11/94 TP58-6-1 223916 44748
COMPOUND										
SEMIVOLATILE ORGANICS										
Phend	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
bis(2-Chloroethyl) ether	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
2-Chlorophend	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
1,3-Dichlorobenzene	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
1,4-Dichlorobenzene	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
1,2-Dichlorobenzene	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
2-Methylphend	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
4-Methylphend	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
N-Nitroso-di-n-propylamine	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
Hexachloroethane	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
Nitrobenzene	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
Isophorone	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
2-Nitrophenol	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
2,4-Dimethylphenol	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
bis(2-Chloroethoxy) methane	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
2,4-Dichlorophenol	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
1,2,4-Trichlorobenzene	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
Naphthalene	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
4-Chloroaniline	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
Hexachlorobutadiene	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
4-Chloro-3-methylphenol	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
2-Methylnaphthalene	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
Hexachlorocyclopentadiene	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
2,4,6-Trichlorophenol	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
2,4,5-Trichlorophenol	ug/Kg	930 U	870 U	920 U	880 U	890 U	920 U	900 U	920 U	920 U
2-Chloronaphthalene	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
2-Nitroaniline	ug/Kg	930 U	870 U	920 U	880 U	890 U	920 U	900 U	920 U	920 U
Dimethylphthalate	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
Acenaphthylene	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
2,6-Dinitrotoluene	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
3-Nitroaniline	ug/Kg	930 U	870 U	920 U	880 U	890 U	920 U	900 U	920 U	920 U
Acenaphthene	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
2,4-Dinitrophenol	ug/Kg	930 U	870 U	920 U	880 U	890 U	920 U	900 U	920 U	920 U
4-Nitrophenol	ug/Kg	930 U	870 U	920 U	880 U	890 U	920 U	900 U	920 U	920 U
Dibenzofuran	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
2,4-Dinitrotoluene	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
Diethylphthalate	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
4-Chlorophenyl-phenylether	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
Fluorene	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
4-Nitroaniline	ug/Kg	930 U	870 U	920 U	880 U	890 U	920 U	900 U	920 U	920 U
4,6-Dinitro-2-methylphenol	ug/Kg	930 U	870 U	920 U	880 U	890 U	920 U	900 U	920 U	920 U
N-Nitrosodiphenylamine	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
4-Bromophenyl-phenylether	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
Hexachlorobenzene	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
Pentachlorophend	ug/Kg	930 U	870 U	920 U	880 U	890 U	920 U	900 U	920 U	920 U
Phenanthrene	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
Anthracene	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
Carbazole	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
Di-n-butylphthalate	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
Fluoranthene	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
Pyrene	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
Butylbenzylphthalate	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
3,3'-Dichlorobenzidine	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
Benzof(a)anthracene	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
Chrysene	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
bis(2-Ethylhexyl)phthalate	ug/Kg	170 J	30 J	25 J	360 U	370 U	380 U	370 U	380 U	380 U
Di-n-octylphthalate	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
Benzo(b)fluoranthene	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
Benzo(k)fluoranthene	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
Benzo(a)pyrene	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
Indeno(1,2,3-cd)pyrene	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
Dibenz(a,h)anthracene	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U
Benzo(g,h,i)perylene	ug/Kg	380 U	360 U	380 U	360 U	370 U	380 U	370 U	380 U	380 U

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SEAD-58 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-58 0-0.2 06/09/94 SB58-3-00RE 223695 44694	SOIL SEAD-58 0.2-1.5 06/09/94 SB58-3-01 223756 44725	SOIL SEAD-58 1.5-3 06/09/94 SB58-3-02 223757 44725	SOIL SEAD-58 1.5-3 06/09/94 SB58-3-02RE 223757 44725	SOIL SEAD-58 2.5 06/10/94 TP58-1-1 223911 44748	SOIL SEAD-58 5 06/11/94 TP58-2-1 223912 44748	SOIL SEAD-58 2 06/11/94 TP58-3-1 223913 44748	SOIL SEAD-58 3 06/11/94 TP58-4 223914 44748	SOIL SEAD-58 5 06/11/94 TP58-5-1 223915 44748	SOIL SEAD-58 2 06/11/94 TP58-6-1 223916 44748
PESTICIDES/PCB										
alpha-BHC	ug/Kg	2 U	1.8 U		2 U	1.9 UJ	1.9 U	2 U	1.9 U	2 U
beta-BHC	ug/Kg	2 U	1.8 U		2 U	1.9 UJ	1.9 U	2 U	1.9 U	2 U
delta-BHC	ug/Kg	2 U	1.8 U		2 U	1.9 UJ	1.9 U	2 U	1.9 U	2 U
gamma-BHC (Lindane)	ug/Kg	2 U	1.8 U		2 U	1.9 UJ	1.9 U	2 U	1.9 U	2 U
Heptachlor	ug/Kg	2 U	1.8 U		2 U	1.9 UJ	1.9 U	2 U	1.9 U	2 U
Aldrin	ug/Kg	2 U	1.8 U		2 U	1.9 UJ	1.9 U	2 U	1.9 U	2 U
Heptachlor epoxide	ug/Kg	2 U	1.8 U		2 U	1.9 UJ	1.9 U	2 U	1.9 U	2 U
Endosulfan I	ug/Kg	2 U	1.8 U		2 U	1.9 UJ	1.9 U	2 U	1.9 U	2 U
Dieldrin	ug/Kg	3.8 U	3.6 U		3.8 U	3.6 UJ	3.7 U	3.8 U	3.7 U	3.8 U
4,4'-DDE	ug/Kg	3.8 U	3.6 U		3.8 U	3.6 UJ	3.7 U	3.8 U	3.7 U	3.8 U
Endrin	ug/Kg	3.8 U	3.6 U		3.8 U	3.6 UJ	3.7 U	3.8 U	3.7 U	3.8 U
Endosulfan II	ug/Kg	3.8 U	3.6 U		3.8 U	3.6 UJ	3.7 U	3.8 U	3.7 U	3.8 U
4,4'-DDD	ug/Kg	3.8 U	3.6 U		3.8 U	3.6 UJ	3.7 U	3.8 U	3.7 U	3.8 U
Endosulfan sulfate	ug/Kg	3.8 U	3.6 U		3.8 U	3.6 UJ	3.7 U	3.8 U	3.7 U	3.8 U
4,4'-DDT	ug/Kg	3.8 U	3.6 U		3.8 U	3.6 UJ	3.7 U	3.8 U	3.7 U	3.8 U
Methoxychlor	ug/Kg	20 U	18 U		20 U	19 UJ	19 U	20 U	19 U	20 U
Endrin ketone	ug/Kg	3.8 U	3.6 U		3.8 U	3.6 UJ	3.7 U	3.8 U	3.7 U	3.8 U
Endrin aldehyde	ug/Kg	3.8 U	3.6 U		3.8 U	3.6 UJ	3.7 U	3.8 U	3.7 U	3.8 U
alpha-Chlordane	ug/Kg	2 U	1.8 U		2 U	1.9 UJ	1.9 U	2 U	1.9 U	2 U
gamma-Chlordane	ug/Kg	2 U	1.8 U		2 U	1.9 UJ	1.9 U	2 U	1.9 U	2 U
Toxaphene	ug/Kg	200 U	180 U		200 U	190 UJ	190 U	200 U	190 U	200 U
Aroclor-1016	ug/Kg	38 U	36 U		38 U	36 UJ	37 U	38 U	37 U	38 U
Aroclor-1221	ug/Kg	78 U	73 U		77 U	74 UJ	74 U	77 U	75 U	77 U
Aroclor-1232	ug/Kg	38 U	36 U		38 U	36 UJ	37 U	38 U	37 U	38 U
Aroclor-1242	ug/Kg	38 U	36 U		38 U	36 UJ	37 U	38 U	37 U	38 U
Aroclor-1248	ug/Kg	38 U	36 U		38 U	36 UJ	37 U	38 U	37 U	38 U
Aroclor-1254	ug/Kg	38 U	36 U		38 U	36 UJ	37 U	38 U	37 U	38 U
Aroclor-1280	ug/Kg	38 U	36 U		38 U	36 UJ	37 U	38 U	37 U	38 U
METALS										
Aluminum	mg/Kg	19100	14100		9280	8220	9980	10100	8980	14100
Antimony	mg/Kg	0.29 UJ	0.19 UJ		0.17 UJ	0.27 UJ	0.26 UJ	0.16 UJ	0.15 UJ	0.17 UJ
Arsenic	mg/Kg	3.7	4.9		9	3.8	4.3	3.4	4	4.4
Barium	mg/Kg	76.2	62.8		47	79.7	63.1	40.8	49.8	76.3
Beryllium	mg/Kg	0.85 J	0.8 J		0.49 J	0.38 J	0.46 J	0.47 J	0.43 J	0.66 J
Cadmium	mg/Kg	0.92 J	0.76		0.5 J	0.38 J	0.37 J	0.39 J	0.42 J	0.54 J
Calcium	mg/Kg	94700	55400		106000	89900	72200	91700	101000	45500
Chromium	mg/Kg	28.6	20.8		16.2 J	13.1 J	16.3 J	16.3 J	14.5 J	22.5 J
Cobalt	mg/Kg	15	11.9		9.2	8.2 J	10.9	8.8	9.7	9.6
Copper	mg/Kg	20.7	27.6		24	33.4	25.4	18	20.8	23.7
Iron	mg/Kg	32300	23400		21900	19600	21000	20400	18700	27900
Lead	mg/Kg	4.1	11.2		11.2 R	7.8 R	8.9 R	5.5 R	6.8 R	9.5 R
Magnesium	mg/Kg	9580	11800		34100	20900	12900	7740	12900	9680
Manganese	mg/Kg	872	620		487	959	498	451	588	436
Mercury	mg/Kg	0.04 J	0.03 J		0.07 J	0.01 U	0.02 J	0.01 J	0.01 J	0.02 J
Nickel	mg/Kg	44.8	33.5		25.4	33	31.2	25.7	26.6	35.1
Potassium	mg/Kg	3220 J	3230 J		1370 J	1420 J	1900 J	1480 J	1500 J	1810 J
Selenium	mg/Kg	0.6 U	0.39 U		0.36 U	0.55 U	0.54 U	0.34 U	0.32 U	0.36 U
Silver	mg/Kg	0.11 U	0.07 U		0.07 U	0.1 U	0.1 U	0.06 U	0.06 U	0.07 U
Sodium	mg/Kg	189 J	96.5 J		97.6 J	94.6 J	118 J	108 J	115 J	73.2 J
Thallium	mg/Kg	0.42 U	0.28 U		0.26 U	0.39 U	0.38 U	0.24 U	0.23 U	0.26 U
Vanadium	mg/Kg	26.1	24.3		16.7	15.8	16.7	15.3	14.5	22.9
Zinc	mg/Kg	76.3	72.2		82.7	104	74.9	62.4	64.8	110
Cyanide	mg/Kg	0.54 U	0.5 U		0.54 U	0.5 U	0.47 U	0.49 U	0.5 U	0.5 U
OTHER ANALYSES										
Nitrate/Nitrite-Nitrogen	mg/Kg									
Total Petroleum Hydrocarbons	mg/Kg									
Total Solids	%W/W	86.2	92		87	91.3	90.5	87.2	88.6	87.4

SENECA ARMY DEPOT
SEAD-58 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER
	LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SEAD-58 07/11/94 MW58-1 226662 45282	SEAD-58 07/11/94 MW58-2 226663 45282	SEAD-58 07/12/94 MW58-3 226795 45332	SEAD-58 07/11/94 MW58-4 226664 45282
VOLATILE ORGANICS					
Chloromethane	ug/L	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U
1,2-Dichloroethane (total)	ug/L	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U	10 U
HERBICIDES					
2,4-D	ug/L				
2,4-DB	ug/L				
2,4,5-T	ug/L				
2,4,5-TP (Silvex)	ug/L				
Dalapon	ug/L				
Dicamba	ug/L				
Dichloroprop	ug/L				
Dinoseb	ug/L				
MCPA	ug/L				
MCPP	ug/L				
NITROAROMATICS					
HMX	ug/L				
RDX	ug/L				
1,3,5-Trinitrobenzene	ug/L				
1,3-Dinitrobenzene	ug/L				
Tetryl	ug/L				
2,4,6-Trinitrotoluene	ug/L				
4-amino-2,6-Dinitrotoluene	ug/L				
2-amino-4,6-Dinitrotoluene	ug/L				
2,6-Dinitrotoluene	ug/L				
2,4-Dinitrotoluene	ug/L				

SENECA ARMY DEPOT
SEAD-58 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER	WATER SEAD-58 07/11/94 MW58-1 226662 45282	WATER SEAD-58 07/11/94 MW58-2 226663 45282	WATER SEAD-58 07/12/94 MW58-3 226795 45332	WATER SEAD-58 07/11/94 MW58-4 226664 45282
COMPOUND	UNITS				
SEMIVOLATILE ORGANICS					
Phenol	ug/L	10 U	10 U	10 U	10 U
bis(2-Chloroethyl) ether	ug/L	10 U	10 U	10 U	10 U
2-Chlorophenol	ug/L	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	ug/L	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	ug/L	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	ug/L	10 U	10 U	10 U	10 U
2-Methylphenol	ug/L	10 U	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	10 U	10 U	10 U
4-Methylphenol	ug/L	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	ug/L	10 U	10 U	10 U	10 U
Hexachloroethane	ug/L	10 U	10 U	10 U	10 U
Nitrobenzene	ug/L	10 U	10 U	10 U	10 U
Isophorone	ug/L	10 U	10 U	10 U	10 U
2-Nitrophenol	ug/L	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	ug/L	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy) methane	ug/L	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	ug/L	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	ug/L	10 U	10 U	10 U	10 U
Naphthalene	ug/L	10 U	10 U	10 U	10 U
4-Chloroaniline	ug/L	10 U	10 U	10 U	10 U
Hexachlorobutadiene	ug/L	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L	10 U	10 U	10 U	10 U
2-Methylnaphthalene	ug/L	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	ug/L	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	ug/L	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	ug/L	26 U	25 U	25 U	25 U
2-Chloronaphthalene	ug/L	10 U	10 U	10 U	10 U
2-Nitroaniline	ug/L	26 U	25 U	25 U	25 U
Dimethylphthalate	ug/L	10 U	10 U	10 U	10 U
Acenaphthylene	ug/L	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	ug/L	10 U	10 U	10 U	10 U
3-Nitroaniline	ug/L	26 U	25 U	25 U	25 U
Acenaphthene	ug/L	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	ug/L	26 U	25 U	25 U	25 U
4-Nitrophenol	ug/L	26 U	25 U	25 U	25 U
Dibenzofuran	ug/L	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	ug/L	10 U	10 U	10 U	10 U
Diethylphthalate	ug/L	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	ug/L	10 U	10 U	10 U	10 U
Fluorene	ug/L	10 U	10 U	10 U	10 U
4-Nitroaniline	ug/L	26 U	25 U	25 U	25 U
4,6-Dinitro-2-methylphenol	ug/L	26 U	25 U	25 U	25 U
N-Nitrosodiphenylamine	ug/L	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	ug/L	10 U	10 U	10 U	10 U
Hexachlorobenzene	ug/L	10 U	10 U	10 U	10 U
Pentachlorophenol	ug/L	26 U	25 U	25 U	25 U
Phenanthrene	ug/L	10 U	10 U	10 U	10 U
Anthracene	ug/L	10 U	10 U	10 U	10 U
Carbazole	ug/L	10 U	10 U	10 U	10 U
Di-n-butylphthalate	ug/L	10 U	10 U	10 U	10 U
Fluoranthene	ug/L	10 U	10 U	10 U	10 U
Pyrene	ug/L	10 U	10 U	10 U	10 U
Butylbenzylphthalate	ug/L	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L	10 U	10 U	10 U	10 U
Benzo(a)anthracene	ug/L	10 U	10 U	10 U	10 U
Chrysene	ug/L	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl) phthalate	ug/L	10 U	10 U	11 U	10 U
Di-n-octylphthalate	ug/L	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	ug/L	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	ug/L	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ug/L	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	ug/L	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	ug/L	10 U	10 U	10 U	10 U

SENECA ARMY DEPOT
SEAD-58 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER		WATER	
	LOCATION	SEAD-58	SEAD-58	SEAD-58	SEAD-58
	SAMPLE DATE	07/11/94	07/11/94	07/12/94	07/11/94
	ES ID	MW58-1	MW58-2	MW58-3	MW58-4
	LAB ID	226662	226663	226795	226664
	SDG NUMBER	45282	45282	45332	45282
	UNITS				
PESTICIDES/PCB					
alpha-BHC	ug/L	0.054 U	0.054 U	0.051 U	0.06 U
beta-BHC	ug/L	0.054 U	0.054 U	0.051 U	0.06 U
delta-BHC	ug/L	0.054 U	0.054 U	0.051 U	0.06 U
gamma-BHC (Lindane)	ug/L	0.054 U	0.054 U	0.051 U	0.06 U
Heptachlor	ug/L	0.054 U	0.054 U	0.051 U	0.06 U
Aldrin	ug/L	0.054 U	0.054 U	0.051 U	0.06 U
Heptachlor epoxide	ug/L	0.054 U	0.054 U	0.051 U	0.06 U
Endosulfan I	ug/L	0.054 U	0.054 U	0.051 U	0.06 U
Dieldrin	ug/L	0.11 U	0.11 U	0.1 U	0.12 U
4,4'-DDE	ug/L	0.11 U	0.11 U	0.1 U	0.12 U
Endrin	ug/L	0.11 U	0.11 U	0.1 U	0.12 U
Endosulfan II	ug/L	0.11 U	0.11 U	0.1 U	0.12 U
4,4'-DDD	ug/L	0.11 U	0.11 U	0.1 U	0.12 U
Endosulfan sulfate	ug/L	0.11 U	0.11 U	0.1 U	0.12 U
4,4'-DDT	ug/L	0.11 U	0.11 U	0.1 U	0.12 U
Methoxychlor	ug/L	0.54 U	0.54 U	0.51 U	0.6 U
Endrin ketone	ug/L	0.11 U	0.11 U	0.1 U	0.12 U
Endrin aldehyde	ug/L	0.11 U	0.11 U	0.1 U	0.12 U
alpha-Chlordane	ug/L	0.054 U	0.054 U	0.051 U	0.06 U
gamma-Chlordane	ug/L	0.054 U	0.054 U	0.051 U	0.06 U
Toxaphene	ug/L	5.4 U	5.4 U	5.1 U	6 U
Aroclor-1016	ug/L	1.1 U	1.1 U	1 U	1.2 U
Aroclor-1221	ug/L	2.2 U	2.2 U	2 U	2.4 U
Aroclor-1232	ug/L	1.1 U	1.1 U	1 U	1.2 U
Aroclor-1242	ug/L	1.1 U	1.1 U	1 U	1.2 U
Aroclor-1248	ug/L	1.1 U	1.1 U	1 U	1.2 U
Aroclor-1254	ug/L	1.1 U	1.1 U	1 U	1.2 U
Aroclor-1260	ug/L	1.1 U	1.1 U	1 U	1.2 U
METALS					
Aluminum	ug/L	440	262	7160 J	2650
Antimony	ug/L	1.3 U	1.3 U	1.3 U	1.3 U
Arsenic	ug/L	2 U	2 U	2 U	2.1 J
Barium	ug/L	71.9 J	208	235	111 J
Beryllium	ug/L	0.1 U	0.1 U	0.41 J	0.2 J
Cadmium	ug/L	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	ug/L	113000	104000	171000	162000
Chromium	ug/L	0.82 J	0.85 J	12.3	4 J
Cobalt	ug/L	0.64 J	0.5 U	9.2 J	2.9 J
Copper	ug/L	1.5 J	1.9 J	9 J	4.3 J
Iron	ug/L	678	560	14500	5310
Lead	ug/L	0.89 U	4.4	3	1.2 J
Magnesium	ug/L	17300	21400	29800	22000
Manganese	ug/L	84	86.2	677	406
Mercury	ug/L	0.04 U	0.04 U	0.04 J	0.04 U
Nickel	ug/L	1.6 J	2.2 J	20.5 J	8.1 J
Potassium	ug/L	1460 J	2980 J	6150 J	2080 J
Selenium	ug/L	2.7 U	2.7 U	2.7 U	2.7 U
Silver	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
Sodium	ug/L	4180 J	5550	7180	4610 J
Thallium	ug/L	1.9 U	1.9 U	1.9 U	1.9 U
Vanadium	ug/L	0.81 J	0.77 J	10.8 J	4.1 J
Zinc	ug/L	7.1 J	18.8 J	37.2	14.6 J
Cyanide	ug/L	5 U	5 U	5 U	5 U
OTHER ANALYSES					
Nitrate/Nitrite - Nitrogen	mg/L				
Total Petroleum Hydrocarbons	mg/L				
pH	Standard Units	7.5	7.9	7.3	7.5
Conductivity	umhos/cm	445	500	480	475
Temperature	°C	13.1	16.1	15	13.3
Turbidity	NTU	49	2.8	1092	812

SENECA ARMY DEPOT
SEAD-58 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

MATRIX LOCATION	WATER SEAD-58	WATER SEAD-58	WATER SEAD-58	WATER SEAD-58	WATER SEAD-58	WATER SEAD-58
SAMPLE DATE	04/17/94	04/17/94	04/17/94	04/17/94	04/17/94	04/17/94
ES ID	SW58-1	SW58-2	SW58-3	SW58-4	SW58-5	SW58-6
LAB ID	218090	218091	218092	218093	218094	218095
SDG NUMBER	43549	43549	43549	43549	43549	43549
COMPOUND	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
VOLATILE ORGANICS						
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U	10 U	10 U
HERBICIDES						
2,4-D	ug/L					
2,4-DB	ug/L					
2,4,5-T	ug/L					
2,4,5-TP (Silvex)	ug/L					
Dalapon	ug/L					
Dicamba	ug/L					
Dichloroprop	ug/L					
Dinoseb	ug/L					
MCPA	ug/L					
MCPP	ug/L					
NITROAROMATICS						
HMX	ug/L					
RDX	ug/L					
1,3,5-Trinitrobenzene	ug/L					
1,3-Dinitrobenzene	ug/L					
Tetryl	ug/L					
2,4,6-Trinitrotoluene	ug/L					
4-amino-2,6-Dinitrotoluene	ug/L					
2-amino-4,6-Dinitrotoluene	ug/L					
2,6-Dinitrotoluene	ug/L					
2,4-Dinitrotoluene	ug/L					

SENECA ARMY DEPOT
SEAD-58 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER	WATER SEAD-58 04/17/94 SW58-1 218090 43549	WATER SEAD-58 04/17/94 SW58-2 218091 43549	WATER SEAD-58 04/17/94 SW58-3 218092 43549	WATER SEAD-58 04/17/94 SW58-4 218093 43549	WATER SEAD-58 04/17/94 SW58-5 218094 43549	WATER SEAD-58 04/17/94 SW58-6 218095 43549
COMPOUND UNITS						
SEMIVOLATILE ORGANICS						
Phenol	ug/L	12 U	52 U	11 U	10 U	11 U
bis(2-Chloroethyl) ether	ug/L	12 U	52 U	11 U	10 U	11 U
2-Chlorophenol	ug/L	12 U	52 U	11 U	10 U	11 U
1,3-Dichlorobenzene	ug/L	12 U	52 U	11 U	10 U	11 U
1,4-Dichlorobenzene	ug/L	12 U	52 U	11 U	10 U	11 U
1,2-Dichlorobenzene	ug/L	12 U	52 U	11 U	10 U	11 U
2-Methylphenol	ug/L	12 U	52 U	11 U	10 U	11 U
2,2'-oxybis(1-Chloropropane)	ug/L	12 U	52 U	11 U	10 U	11 U
4-Methylphenol	ug/L	12 U	52 U	11 U	10 U	11 U
N-Nitroso-di-n-propylamine	ug/L	12 U	52 U	11 U	10 U	11 U
Hexachloroethane	ug/L	12 U	52 U	11 U	10 U	11 U
Nitrobenzene	ug/L	12 U	52 U	11 U	10 U	11 U
Isophorone	ug/L	12 U	52 U	11 U	10 U	11 U
2-Nitrophenol	ug/L	12 U	52 U	11 U	10 U	11 U
2,4-Dimethylphenol	ug/L	12 U	52 U	11 U	10 U	11 U
bis(2-Chloroethoxy) methane	ug/L	12 U	52 U	11 U	10 U	11 U
2,4-Dichlorophenol	ug/L	12 U	52 U	11 U	10 U	11 U
1,2,4-Trichlorobenzene	ug/L	12 U	52 U	11 U	10 U	11 U
Naphthalene	ug/L	12 U	52 U	11 U	10 U	11 U
4-Chloroaniline	ug/L	12 U	52 U	11 U	10 U	11 U
Hexachlorobutadiene	ug/L	12 U	52 U	11 U	10 U	11 U
4-Chloro-3-methylphenol	ug/L	12 U	52 U	11 U	10 U	11 U
2-Methylnaphthalene	ug/L	12 U	52 U	11 U	10 U	11 U
Hexachlorocyclopentadiene	ug/L	12 U	52 U	11 U	10 U	11 U
2,4,6-Trichlorophenol	ug/L	12 U	52 U	11 U	10 U	11 U
2,4,5-Trichlorophenol	ug/L	31 U	130 U	27 U	26 U	29 U
2-Chloronaphthalene	ug/L	12 U	52 U	11 U	10 U	11 U
2-Nitroaniline	ug/L	31 U	130 U	27 U	26 U	29 U
Dimethylphthalate	ug/L	12 U	52 U	11 U	10 U	11 U
Acenaphthylene	ug/L	12 U	52 U	11 U	10 U	11 U
2,6-Dinitrotoluene	ug/L	12 U	52 U	11 U	10 U	11 U
3-Nitroaniline	ug/L	31 U	130 U	27 U	26 U	29 U
Acenaphthene	ug/L	12 U	52 U	11 U	10 U	11 U
2,4-Dinitrophenol	ug/L	31 U	130 U	27 U	26 U	29 U
4-Nitrophenol	ug/L	31 U	130 U	27 U	26 U	29 U
Dibenzofuran	ug/L	12 U	52 U	11 U	10 U	11 U
2,4-Dinitrotoluene	ug/L	12 U	52 U	11 U	10 U	11 U
Diethylphthalate	ug/L	12 U	52 U	11 U	10 U	11 U
4-Chlorophenyl-phenylether	ug/L	12 U	52 U	11 U	10 U	11 U
Fluorene	ug/L	12 U	52 U	11 U	10 U	11 U
4-Nitroaniline	ug/L	31 U	130 U	27 U	26 U	29 U
4,6-Dinitro-2-methylphenol	ug/L	31 U	130 U	27 U	26 U	29 U
N-Nitrosodiphenylamine	ug/L	12 U	52 U	11 U	10 U	11 U
4-Bromophenyl-phenylether	ug/L	12 U	52 U	11 U	10 U	11 U
Hexachlorobenzene	ug/L	12 U	52 U	11 U	10 U	11 U
Pentachlorophenol	ug/L	31 U	130 U	27 U	26 U	29 U
Phenanthrene	ug/L	12 U	52 U	11 U	10 U	11 U
Anthracene	ug/L	12 U	52 U	11 U	10 U	11 U
Carbazole	ug/L	12 U	52 U	11 U	10 U	11 U
Di-n-butylphthalate	ug/L	12 U	52 U	11 U	10 U	11 U
Fluoranthene	ug/L	12 U	52 U	11 U	10 U	11 U
Pyrene	ug/L	12 U	52 U	11 U	10 U	11 U
Butylbenzylphthalate	ug/L	12 U	52 U	11 U	10 U	11 U
3,3'-Dichlorobenzidine	ug/L	12 U	52 U	11 U	10 U	11 U
Benzo(a)anthracene	ug/L	12 U	52 U	11 U	10 U	11 U
Chrysene	ug/L	12 U	52 U	11 U	10 U	11 U
bis(2-Ethylhexyl)phthalate	ug/L	12 U	52 U	11 U	10 U	23 U
Di-n-octylphthalate	ug/L	12 U	52 U	11 U	10 U	11 U
Benzo(b)fluoranthene	ug/L	12 U	52 U	11 U	10 U	11 U
Benzo(k)fluoranthene	ug/L	12 U	52 U	11 U	10 U	11 U
Benzo(a)pyrene	ug/L	12 U	52 U	11 U	10 U	11 U
Indeno(1,2,3-cd)pyrene	ug/L	12 U	52 U	11 U	10 U	11 U
Dibenz(a,h)anthracene	ug/L	12 U	52 U	11 U	10 U	11 U
Benzo(g,h,i)perylene	ug/L	12 U	52 U	11 U	10 U	11 U

SENECA ARMY DEPOT
SEAD-58 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

MATRIX LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	
SAMPLE DATE	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58	
ES ID	SW58-1	SW58-2	SW58-3	SW58-4	SW58-5	SW58-6	
LAB ID	218090	218091	218092	218093	218094	218095	
SDG NUMBER	43549	43549	43549	43549	43549	43549	
COMPOUND	UNITS						
PESTICIDES/PCB							
alpha-BHC	ug/L	0.06 U	0.057 U	0.054 U	0.054 U	0.052 U	0.057 U
beta-BHC	ug/L	0.06 U	0.057 U	0.054 U	0.054 U	0.052 U	0.057 U
delta-BHC	ug/L	0.06 U	0.057 U	0.054 U	0.054 U	0.052 U	0.057 U
gamma-BHC (Lindane)	ug/L	0.06 U	0.057 U	0.054 U	0.054 U	0.052 U	0.057 U
Heptachlor	ug/L	0.08 U	0.057 U	0.054 U	0.054 U	0.052 U	0.057 U
Aldrin	ug/L	0.06 U	0.057 U	0.054 U	0.054 U	0.052 U	0.057 U
Heptachlor epoxide	ug/L	0.06 U	0.057 U	0.054 U	0.054 U	0.052 U	0.057 U
Endosulfan I	ug/L	0.06 U	0.057 U	0.054 U	0.054 U	0.052 U	0.057 U
Dieldrin	ug/L	0.12 U	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U
4,4'-DDE	ug/L	0.12 U	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U
Endrin	ug/L	0.12 U	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U
Endosulfan II	ug/L	0.12 U	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U
4,4'-DDD	ug/L	0.12 U	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U
Endosulfan sulfate	ug/L	0.12 U	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U
4,4'-DDT	ug/L	0.12 U	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U
Methoxychlor	ug/L	0.6 U	0.57 U	0.54 U	0.54 U	0.52 U	0.57 U
Endrin ketone	ug/L	0.12 U	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U
Endrin aldehyde	ug/L	0.12 U	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U
alpha-Chlordane	ug/L	0.06 U	0.057 U	0.054 U	0.054 U	0.052 U	0.057 U
gamma-Chlordane	ug/L	0.06 U	0.057 U	0.054 U	0.054 U	0.052 U	0.057 U
Toxaphene	ug/L	6 U	5.7 U	5.4 U	5.4 U	5.2 U	5.7 U
Aroclor-1016	ug/L	1.2 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U
Aroclor-1221	ug/L	2.4 U	2.3 U	2.2 U	2.1 U	2.1 U	2.3 U
Aroclor-1232	ug/L	1.2 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U
Aroclor-1242	ug/L	1.2 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U
Aroclor-1248	ug/L	1.2 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U
Aroclor-1254	ug/L	1.2 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U
Aroclor-1260	ug/L	1.2 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U
METALS							
Aluminum	ug/L	73.5 J	102 J	135 J	421	127 J	138 J
Antimony	ug/L	1 U	0.99 U	1 U	0.99 U	0.99 U	1 U
Arsenic	ug/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Barium	ug/L	35.2 J	35 J	36.5 J	28.1 J	26.5 J	25.6 J
Beryllium	ug/L	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Cadmium	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Calcium	ug/L	82000	80800	74800	55600	53500	49800
Chromium	ug/L	0.4 U	0.51 J	0.4 U	0.75 J	0.68 J	0.42 J
Cobalt	ug/L	0.6 U	0.59 U	0.6 U	0.59 U	0.59 U	0.6 U
Copper	ug/L	0.83 J	0.92 J	1.3 J	3.8 J	1.9 J	2.1 J
Iron	ug/L	74.5 J	127	196	596	168	193
Lead	ug/L	0.8 U	0.79 U	0.8 U	1.1 J	0.79 U	0.8 U
Magnesium	ug/L	11700	11500	11100	8500	8260	7640
Manganese	ug/L	1.8 J	2.5 J	52.8	74.4	7.3 J	5.2 J
Mercury	ug/L	0.04 J	0.04 J	0.05 J	0.06 J	0.03 U	0.03 U
Nickel	ug/L	1.1 J	0.59 U	0.6 U	2.6 J	1.5 J	1.8 J
Potassium	ug/L	1380 J	1440 J	1520 J	2090 J	2610 J	2500 J
Selenium	ug/L	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Silver	ug/L	0.7 U	0.69 U	0.7 U	0.69 U	0.69 U	0.7 U
Sodium	ug/L	4970 J	4880 J	13400	3070 J	1900 J	1750 J
Thallium	ug/L	1.6 U	1.6 U	1.9 J	2.7 J	1.6 U	1.6 U
Vanadium	ug/L	0.7 U	0.69 U	0.7 U	0.9 J	0.69 U	0.7 U
Zinc	ug/L	3 J	2.5 J	2.2 J	10.6 J	4.8 J	6.3 J
Cyanide	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
OTHER ANALYSES							
Nitrate/Nitrite - Nitrogen	mg/L						
Total Petroleum Hydrocarbons	mg/L						
pH	Standard Units	8.6	8.8	8.2	8.6	8.8	8.5
Conductivity	umhos/cm	320	325	285	225	215	200
Temperature	°C	10	11	12	10	10	9
Turbidity	NTU	1.1	1.6	1.6	2.4	1.9	2.2

SENECA ARMY DEPOT
SEAD-58 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

MATRIX LOCATION	SOIL SEAD-58	SOIL SEAD-58	SOIL SEAD-58	SOIL SEAD-58	SOIL SEAD-58	SOIL SEAD-58
DEPTH (FEET)	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
SAMPLE DATE	04/17/94	04/17/94	04/17/94	04/17/94	04/17/94	04/17/94
ES ID	SD58-1	SD58-2	SD58-3	SD58-4	SD58-5	SD58-6
LAB ID	218079	218080	218081	218082	218083	218084
SDG NUMBER	43543	43543	43543	43543	43543	43543
COMPOUND	UNITS					
VOLATILE ORGANICS						
Chloromethane	ug/Kg	18 U	23 U	20 U	20 U	19 U
Bromomethane	ug/Kg	18 U	23 U	20 U	20 U	19 U
Vinyl Chloride	ug/Kg	18 U	23 U	20 U	20 U	19 U
Chloroethane	ug/Kg	18 U	23 U	20 U	20 U	19 U
Methylene Chloride	ug/Kg	18 U	23 U	20 U	20 U	19 U
Acetone	ug/Kg	23 U	68 U	34 U	34 U	50 U
Carbon Disulfide	ug/Kg	18 U	23 U	20 U	20 U	19 U
1,1-Dichloroethane	ug/Kg	18 U	23 U	20 U	20 U	19 U
1,1-Dichloroethane	ug/Kg	18 U	23 U	20 U	20 U	19 U
1,2-Dichloroethane (total)	ug/Kg	18 U	23 U	20 U	20 U	19 U
Chloroform	ug/Kg	18 U	23 U	20 U	20 U	19 U
1,2-Dichloroethane	ug/Kg	18 U	23 U	20 U	20 U	19 U
2-Butanone	ug/Kg	18 U	23 U	20 U	20 U	19 U
1,1,1-Trichloroethane	ug/Kg	18 U	23 U	20 U	20 U	19 U
Carbon Tetrachloride	ug/Kg	18 U	23 U	20 U	20 U	19 U
Bromodichloromethane	ug/Kg	18 U	23 U	20 U	20 U	18 U
1,2-Dichloropropane	ug/Kg	18 U	23 U	20 U	20 U	18 U
cis-1,3-Dichloropropene	ug/Kg	18 U	23 U	20 U	20 U	18 U
Trichloroethene	ug/Kg	18 U	23 U	20 U	20 U	19 U
Dibromochloromethane	ug/Kg	18 U	23 U	20 U	20 U	19 U
1,1,2-Trichloroethane	ug/Kg	18 U	23 U	20 U	20 U	19 U
Benzene	ug/Kg	18 U	23 U	20 U	20 U	19 U
trans-1,3-Dichloropropene	ug/Kg	18 U	23 U	20 U	20 U	19 U
Bromoform	ug/Kg	18 U	23 U	20 U	20 U	19 U
4-Methyl-2-Pentanone	ug/Kg	18 U	23 U	20 U	20 U	19 U
2-Hexanone	ug/Kg	18 U	23 U	20 U	20 U	19 U
Tetrachloroethene	ug/Kg	18 U	23 U	20 U	20 U	19 U
1,1,2,2-Tetrachloroethane	ug/Kg	18 U	23 U	20 U	20 U	19 U
Toluene	ug/Kg	18 U	23 U	20 U	20 U	19 U
Chlorobenzene	ug/Kg	18 U	23 U	20 U	20 U	19 U
Ethylbenzene	ug/Kg	18 U	23 U	20 U	20 U	19 U
Styrene	ug/Kg	18 U	23 U	20 U	20 U	19 U
Xylene (total)	ug/Kg	18 U	23 U	20 U	20 U	19 U
HERBICIDES						
2,4-D	ug/Kg					
2,4-DB	ug/Kg					
2,4,5-T	ug/Kg					
2,4,5-TP (Silvex)	ug/Kg					
Dalapon	ug/Kg					
Dicamba	ug/Kg					
Dichloroprop	ug/Kg					
Dinoseb	ug/Kg					
MCPA	ug/Kg					
MCPP	ug/Kg					
NITROAROMATICS						
HMX	ug/Kg					
RDX	ug/Kg					
1,3,5-Trinitrobenzene	ug/Kg					
1,3-Dinitrobenzene	ug/Kg					
Tetryl	ug/Kg					
2,4,6-Trinitrotoluene	ug/Kg					
4-amino-2,8-Dinitrotoluene	ug/Kg					
2-amino-4,6-Dinitrotoluene	ug/Kg					
2,6-Dinitrotoluene	ug/Kg					
2,4-Dinitrotoluene	ug/Kg					

SENECA ARMY DEPOT
SEAD-58 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SOG NUMBER	SOIL SEAD-58 0-0.2 04/17/94 SD58-1 218079 43543	SOIL SEAD-58 0-0.2 04/17/94 SD58-2 218080 43543	SOIL SEAD-58 0-0.2 04/17/94 SD58-3 218081 43543	SOIL SEAD-58 0-0.2 04/17/94 SD58-4 218082 43543	SOIL SEAD-58 0-0.2 04/17/94 SD58-5 218083 43543	SOIL SEAD-58 0-0.2 04/17/94 SD58-6 218084 43543
SEMIVOLATILE ORGANICS						
Phenol	ug/Kg 590 U	770 U	36 J	670 U	610 U	650 U
bis(2-Chloroethyl) ether	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
2-Chlorophenol	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
1,3-Dichlorobenzene	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
1,4-Dichlorobenzene	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
1,2-Dichlorobenzene	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
2-Methylphenol	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
2,2'-oxybis(1-Chloropropane)	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
4-Methylphenol	ug/Kg 590 U	770 U	120 J	670 U	610 U	650 U
N-Nitroso-di-n-propylamine	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
Hexachloroethane	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
Nitrobenzene	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
Isophorone	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
2-Nitrophenol	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
2,4-Dimethylphenol	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
bis(2-Chloroethoxy) methane	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
2,4-Dichlorophenol	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
1,2,4-Trichlorobenzene	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
Naphthalene	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
4-Chloroaniline	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
Hexachlorobutadiene	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
4-Chloro-3-methylphenol	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
2-Methylnaphthalene	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
Hexachlorocyclopentadiene	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
2,4,6-Trichlorophenol	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
2,4,5-Trichlorophenol	ug/Kg 1400 U	1900 U	1500 U	1600 U	1500 U	1600 U
2-Chloronaphthalene	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
2-Nitroaniline	ug/Kg 1400 U	1900 U	1500 U	1600 U	1500 U	1600 U
Dimethylphthalate	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
Acenaphthylene	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
2,6-Dinitrotoluene	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
3-Nitroaniline	ug/Kg 1400 U	1900 U	1500 U	1600 U	1500 U	1600 U
Acenaphthene	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
2,4-Dinitrophenol	ug/Kg 1400 U	1900 U	1500 U	1600 U	1500 U	1600 U
4-Nitrophenol	ug/Kg 1400 U	1900 U	1500 U	1600 U	1500 U	1600 U
Dibenzofuran	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
2,4-Dinitrotoluene	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
Diethylphthalate	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
4-Chlorophenyl-phenyl ether	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
Fluorene	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
4-Nitroaniline	ug/Kg 1400 U	1900 U	1500 U	1600 U	1500 U	1600 U
4,6-Dinitro-2-methylphenol	ug/Kg 1400 U	1900 U	1500 U	1600 U	1500 U	1600 U
N-Nitrosodiphenylamine	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
4-Bromophenyl-phenyl ether	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
Hexachlorobenzene	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
Pentachlorophenol	ug/Kg 1400 U	1900 U	1500 U	1600 U	1500 U	1600 U
Phenanthrene	ug/Kg 120 J	63 J	71 J	80 J	66 J	72 J
Anthracene	ug/Kg 30 J	770 U	630 U	670 U	610 U	650 U
Carbazole	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
Di-n-butylphthalate	ug/Kg 130 J	120 J	80 J	670 U	610 U	650 U
Fluoranthene	ug/Kg 180 J	100 J	130 J	100 J	110 J	130 J
Pyrene	ug/Kg 210 J	92 J	100 J	100 J	74 J	85 J
Butylbenzylphthalate	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
3,3'-Dichlorobenzidine	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
Benzo(a)anthracene	ug/Kg 92 J	770 U	630 U	670 U	64 J	72 J
Chrysene	ug/Kg 110 J	76 J	96 J	68 J	610 U	650 U
bis(2-Ethylhexyl)phthalate	ug/Kg 590 U	770 U	38 J	61 J	52 J	100 J
Di-n-octylphthalate	ug/Kg 590 U	770 U	630 U	670 U	610 U	650 U
Benzo(b)fluoranthene	ug/Kg 110 J	92 J	130 J	69 J	610 U	650 U
Benzo(k)fluoranthene	ug/Kg 100 J	55 J	70 J	58 J	610 U	650 U
Benzo(a)pyrene	ug/Kg 110 J	71 J	95 J	62 J	610 U	650 U
Indeno(1,2,3-cd)pyrene	ug/Kg 110 J	770 U	87 J	670 U	76 J	84 J
Dibenz(a,h)anthracene	ug/Kg 590 U	770 U	630 U	670 U	53 J	63 J
Benzo(g,h,i)perylene	ug/Kg 110 J	770 U	630 U	670 U	80 J	86 J

SENECA ARMY DEPOT
SEAD-58 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

MATRIX LOCATION	SOIL SEAD-58	SOIL SEAD-58	SOIL SEAD-58	SOIL SEAD-58	SOIL SEAD-58	SOIL SEAD-58
DEPTH (FEET)	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
SAMPLE DATE	04/17/94	04/17/94	04/17/94	04/17/94	04/17/94	04/17/94
ES ID	SD58-1	SD58-2	SD58-3	SD58-4	SD58-5	SD58-6
LAB ID	218079	218080	218081	218082	218083	218084
SDG NUMBER	43543	43543	43543	43543	43543	43543
COMPOUND UNITS						
PESTICIDES/PCB						
alpha-BHC	ug/Kg	3 UJ	4 U	3.3 U	3.4 UJ	3.1 U
beta-BHC	ug/Kg	3 UJ	4 U	3.3 U	3.4 UJ	3.1 U
delta-BHC	ug/Kg	3 UJ	4 U	3.3 U	3.4 UJ	3.1 U
gamma-BHC (Lindane)	ug/Kg	3 UJ	4 U	3.3 U	3.4 UJ	3.1 U
Heptachlor	ug/Kg	3 UJ	4 U	3.3 U	3.4 UJ	3.1 U
Aldrin	ug/Kg	3 UJ	4 U	3.3 U	3.4 UJ	3.1 U
Heptachlor epoxide	ug/Kg	3 UJ	4 U	3.3 U	3.4 UJ	3.1 U
Endosulfan I	ug/Kg	3 UJ	4 U	3.3 U	3.4 UJ	3.1 U
Dieldrin	ug/Kg	5.9 UJ	7.7 U	6.3 U	6.7 UJ	6.1 U
4,4'-DDE	ug/Kg	5.9 UJ	7.7 U	6.3 U	6.7 UJ	6.1 U
Endrin	ug/Kg	5.9 UJ	7.7 U	6.3 U	6.7 UJ	6.1 U
Endosulfan II	ug/Kg	5.9 UJ	7.7 U	6.3 U	6.7 UJ	6.1 U
4,4'-DDD	ug/Kg	5.9 UJ	7.7 U	6.3 U	6.7 UJ	6.1 U
Endosulfan sulfate	ug/Kg	5.9 UJ	7.7 U	6.3 U	6.7 UJ	6.1 U
4,4'-DDT	ug/Kg	5.9 UJ	7.7 U	6.3 U	6.7 UJ	6.1 U
Methoxychlor	ug/Kg	30 UJ	40 U	33 U	34 UJ	31 U
Endrin ketone	ug/Kg	5.9 UJ	7.7 U	6.3 U	6.7 UJ	6.1 U
Endrin aldehyde	ug/Kg	5.9 UJ	7.7 U	6.3 U	6.7 UJ	6.1 U
alpha-Chlordane	ug/Kg	3 UJ	4 U	3.3 U	3.4 UJ	3.1 U
gamma-Chlordane	ug/Kg	3 UJ	4 U	3.3 U	3.4 UJ	3.1 U
Toxaphene	ug/Kg	300 UJ	400 U	330 U	340 UJ	310 U
Aroclor-1016	ug/Kg	59 UJ	77 U	63 U	67 UJ	61 U
Aroclor-1221	ug/Kg	120 UJ	160 U	130 U	140 UJ	120 U
Aroclor-1232	ug/Kg	59 UJ	77 U	63 U	67 UJ	61 U
Aroclor-1242	ug/Kg	59 UJ	77 U	63 U	67 UJ	61 U
Aroclor-1248	ug/Kg	59 UJ	77 U	63 U	67 UJ	61 U
Aroclor-1254	ug/Kg	59 UJ	77 U	63 U	67 UJ	61 U
Aroclor-1260	ug/Kg	59 UJ	77 U	63 U	67 UJ	61 U
METALS						
Aluminum	mg/Kg	18200	17600	14900	20100	16000
Antimony	mg/Kg	0.31 J	0.36 UJ	0.22 UJ	0.35 UJ	0.36 J
Arsenic	mg/Kg	5.5	5.7	4.9	5.9	5.6
Barium	mg/Kg	139	142	86.9	130	114
Beryllium	mg/Kg	0.83 J	0.9 J	0.71 J	0.98 J	0.81 J
Cadmium	mg/Kg	0.42 J	0.58 J	0.5 J	0.7 J	0.52 J
Calcium	mg/Kg	10900	15600	70500	6970	7960
Chromium	mg/Kg	24.8	25.2	23.7	28.2	23.2
Cobalt	mg/Kg	9 J	10.1 J	11.8	10.5 J	8.9 J
Copper	mg/Kg	24	24.7	23.1	37	30.6
Iron	mg/Kg	26100	28900	27600	29300	25700
Lead	mg/Kg	20.9	23.5	20	28.8	27.8
Magnesium	mg/Kg	6030	6040	12100	5520	4730
Manganese	mg/Kg	564	632	735	447	382
Mercury	mg/Kg	0.1 J	0.06 J	0.05 J	0.11 J	0.12 J
Nickel	mg/Kg	29.3	29.9	32.2	33.5	29.9
Potassium	mg/Kg	2400	2430	2340	3170	2400
Selenium	mg/Kg	0.79 J	0.89 J	0.37 U	0.7 J	0.68 J
Silver	mg/Kg	0.2 U	0.25 U	0.15 U	0.25 U	0.21 U
Sodium	mg/Kg	44.6 U	57.3 U	134 J	55.9 U	47.5 U
Thallium	mg/Kg	0.55 J	0.58 U	0.35 U	0.56 U	0.51 J
Vanadium	mg/Kg	27.9	29.6	24.5	33.7	27.2
Zinc	mg/Kg	106	131	86.6	119	119
Cyanide	mg/Kg	0.86 U	0.95 U	0.81 U	0.9 U	0.91 U
OTHER ANALYSES						
Nitrate/Nitrite-Nitrogen	mg/Kg					
Total Petroleum Hydrocarbons	mg/Kg					
Total Solids	%W/W	56	43.2	52.4	48.9	54.3

SENECA ARMY DEPOT
SEAD-59 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-59 0-0.2 02/20/94 SB59-1.01 212224 42494	SOIL SEAD-59 6-8 02/20/94 SB59-1.04 212225 42494	SOIL SEAD-59 6-8 02/20/94 SB59-1.08 212227 42494	SOIL SEAD-59 10-12 02/20/94 SB59-1.06 212226 42494	SOIL SEAD-59 0-0.2 05/26/94 SB59-2-00 222479 44410	SOIL SEAD-59 0-0.2 05/26/94 SB59-2-20 222483 44410	SOIL SEAD-59 2-4 05/26/94 SB59-2-02 222481 44410	SOIL SEAD-59 6-7 05/26/94 SB59-2-04 222482 44410	SOIL SEAD-59 0-0.2 05/25/94 SB59-3-00 222428 44345	SOIL SEAD-59 2-4 05/25/94 SB59-3-02 222429 44345
VOLATILE ORGANICS										
Chloromethane	12 U	13 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	12 U
Bromomethane	12 U	13 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	12 U
Vinyl Chloride	12 U	13 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	12 U
Chloroethane	12 U	13 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	12 U
Methylene Chloride	12 U	13 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	12 U
Acetone	12 U	47 U	12 U	11 U	11 U	45 U	23 U	11 U	12 U	12 U
Carbon Disulfide	12 U	13 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	12 U
1,1-Dichloroethane	12 U	13 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	12 U
1,1-Dichloroethane	12 U	13 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	12 U
1,2-Dichloroethane (total)	12 U	13 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	12 U
Chloroform	12 U	13 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	12 U
1,2-Dichloroethane	12 U	13 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	12 U
2-Butanone	12 U	14 U	12 U	11 U	11 U	12 J	12 U	11 U	12 U	12 U
1,1,1-Trichloroethane	12 U	13 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	12 U
Carbon Tetrachloride	12 U	13 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	12 U
Bromodichloromethane	12 U	13 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	12 U
1,2-Dichloropropane	12 U	13 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	12 U
cis-1,3-Dichloropropene	12 U	13 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	12 U
Trichloroethene	12 U	13 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	12 U
Dibromochloromethane	12 U	13 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	12 U
1,1,2-Trichloroethane	12 U	13 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	12 U
Benzene	12 U	13 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	12 U
trans-1,3-Dichloropropene	12 U	13 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	12 U
Bromoform	12 U	13 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	12 U
4-Methyl-2-Pentanone	12 U	13 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	12 U
2-Hexanone	12 U	13 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	12 U
Tetrachloroethene	12 U	13 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	12 U
1,1,2,2-Tetrachloroethane	12 U	13 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	12 U
Toluene	12 U	13 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	12 U
Chlorobenzene	12 U	13 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	12 U
Ethylbenzene	12 U	13 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	12 U
Styrene	12 U	13 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	12 U
Xylene (total)	12 U	13 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	12 U
HERBICIDES										
2,4-D	ug/Kg									
2,4-DB	ug/Kg									
2,4,5-T	ug/Kg									
2,4,5-TP (Silvex)	ug/Kg									
Dalapon	ug/Kg									
Dicamba	ug/Kg									
Dichloroprop	ug/Kg									
Dinoseb	ug/Kg									
MCPA	ug/Kg									
MCPP	ug/Kg									
NITROAROMATICS										
HMX	ug/Kg									
RDX	ug/Kg									
1,3,5-Trinitrobenzene	ug/Kg									
1,3-Dinitrobenzene	ug/Kg									
Tetyl	ug/Kg									
2,4,6-Trinitrotoluene	ug/Kg									
4-amino-2,6-Dinitrotoluene	ug/Kg									
2-amino-4,6-Dinitrotoluene	ug/Kg									
2,6-Dinitrotoluene	ug/Kg									
2,4-Dinitrotoluene	ug/Kg									

SENECA ARMY DEPOT
SEAD-59 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-59 0-0.2 02/20/94 SB59-1.01 212224 42494	SOIL SEAD-59 6-8 02/20/94 SB59-1.04 212225 42494	SOIL SEAD-59 6-8 02/20/94 SB59-1.08 212227 42494	SOIL SEAD-59 10-12 02/20/94 SB59-1.08 212228 42494	SOIL SEAD-59 0-0.2 05/26/94 SB59-2-00 222479 44410	SOIL SEAD-59 0-0.2 05/26/94 SB59-2-20 222483 44410	SOIL SEAD-59 2-4 05/26/94 SB59-2-02 222481 44410	SOIL SEAD-59 6-7 05/26/94 SB59-2-04 222482 44410	SOIL SEAD-59 0-0.2 05/25/94 SB59-3-00 222428 44345	SOIL SEAD-59 2-4 05/25/94 SB59-3-02 222429 44345
COMPOUND	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
SEMIVOLATILE ORGANICS										
Phend	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
bis(2-Chloroethyl) ether	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
2-Chlorophend	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
1,3-Dichlorobenzene	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
1,4-Dichlorobenzene	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
1,2-Dichlorobenzene	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
2-Methylphend	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
4-Methylphend	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	28 J	370 U
N-Nitroso-di-n-propylamine	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
Hexachloroethane	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
Nitrobenzene	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
Isophorone	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
2-Nitrophenol	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
2,4-Dimethylphenol	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
bis(2-Chloroethoxy) methane	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
2,4-Dichlorophenol	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
1,2,4-Trichlorobenzene	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
Naphthalene	ug/Kg	130 J	160 J	110 J	110 J	68 J	78 J	170 J	160 J	21 J
4-Chloroaniline	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
Hexachlorobutadiene	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
4-Chloro-3-methylphenol	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
2-Methylnaphthalene	ug/Kg	150 J	110 J	150 J	78 J	75 J	66 J	160 J	150 J	370 U
Hexachlorocyclopentadiene	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
2,4,6-Trichlorophenol	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
2,4,5-Trichlorophenol	ug/Kg	3700 U	1000 U	4700 U	1300 U	1800 U	1800 U	2000 U	940 U	890 U
2-Chloronaphthalene	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
2-Nitroaniline	ug/Kg	3700 U	1000 U	4700 U	1300 U	1800 U	1800 U	2000 U	940 U	890 U
Dimethylphthalate	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
Aceraphthylene	ug/Kg	660 J	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
2,6-Dinitrotoluene	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
3-Nitroaniline	ug/Kg	3700 U	1000 U	4700 U	1300 U	1800 U	1800 U	2000 U	940 U	890 U
Aceraphthene	ug/Kg	390 J	160 J	390 J	190 J	60 J	110 J	230 J	100 J	56 J
2,4-Dinitrophenol	ug/Kg	3700 U	1000 U	4700 U	1300 U	1800 U	1800 U	2000 U	940 U	890 U
4-Nitrophenol	ug/Kg	3700 U	1000 U	4700 U	1300 U	1800 U	1800 U	2000 U	940 U	890 U
Dibenzofuran	ug/Kg	280 J	110 J	280 J	130 J	53 J	83 J	82 U	82 J	26 J
2,4-Dinitrotoluene	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
Diethylphthalate	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
4-Chlorophenyl-phenylether	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
Fluorene	ug/Kg	730 J	200 J	730 J	280 J	130 J	220 J	380 J	160 J	79 J
4-Nitroaniline	ug/Kg	3700 U	1000 U	4700 U	1300 U	1800 U	1800 U	2000 U	940 U	890 U
4,6-Dinitro-2-methylphenol	ug/Kg	3700 U	1000 U	4700 U	1300 U	1800 U	1800 U	2000 U	940 U	890 U
N-Nitrosodiphenylamine	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
4-Bromophenyl-phenylether	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
Hexachlorobenzene	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
Pentachlorophend	ug/Kg	3700 U	1000 U	4700 U	1300 U	1800 U	1800 U	2000 U	940 U	890 U
Phenanthrene	ug/Kg	6100	980	6200	1800	870 J	2100 J	1800	620	740
Anthracene	ug/Kg	1400 J	270 J	1400 J	600	250 J	560 J	440 J	160 J	290 J
Carbazole	ug/Kg	1200 J	210 J	1300 J	260 J	97 J	190 J	220 J	64 J	39 J
Di-n-butylphthalate	ug/Kg	1500 U	30 J	1900 U	29 J	740 U	740 U	820 U	390 U	67 J
Fluoranthene	ug/Kg	6700	1500	6900	2600	2600 J	4400 J	3200	750	1700
Pyrene	ug/Kg	12000	1400	13000	2200	3200 J	5800 J	3200	510	190 J
Butylbenzylphthalate	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
3,3'-Dichlorobenzidine	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
Benzo(a)anthracene	ug/Kg	4700	780	5000	1200	1700 J	3500 J	1600	260 J	910
Chrysene	ug/Kg	4800	930	5100	1200	1600 J	2700 J	1500	270 J	700
bis(2-Ethylhexyl)phthalate	ug/Kg	1500 U	80 J	1900 U	260 J	67 J	37 J	72 J	35 J	660
Di-n-octylphthalate	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U
Benzo(b)fluoranthene	ug/Kg	5000 J	730	5100 J	860	3700 J	4400	3100 J	290 J	430
Benzo(k)fluoranthene	ug/Kg	5800 J	800	6100 J	810	740 U	2100 J	820 U	270 J	440
Benzo(a)pyrene	ug/Kg	5400 J	870	5500 J	1100	1900	3000	1500	250 J	47 J
Indeno(1,2,3-cd)pyrene	ug/Kg	2000 J	400 J	2200 J	590	1600	2200	940	130 J	82 J
Dibenz(b,h)anthracene	ug/Kg	930 J	420 U	1900 U	530 U	610 J	870	470 J	84 J	160 J
Benzo(g,h,i)perylene	ug/Kg	1900 J	430	2400 J	560	1100	1500	740 J	130 J	370 U

SENECA ARMY DEPOT
SEAD-59 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-59 0-0.2 02/20/94 SB59-1.01 212224 42494	SOIL SEAD-59 6-8 02/20/94 SB59-1.04 212225 42494	SOIL SEAD-59 6-8 02/20/94 SB59-1.08 212227 42494	SOIL SEAD-59 10-12 02/20/94 SB59-1.08 212226 42494	SOIL SEAD-59 0-0.2 05/26/94 SB59-2-00 222479 44410	SOIL SEAD-59 0-0.2 05/26/94 SB59-2-20 222483 44410	SOIL SEAD-59 2-4 05/26/94 SB59-2-02 222481 44410	SOIL SEAD-59 6-7 05/26/94 SB59-2-04 222482 44410	SOIL SEAD-59 0-0.2 05/25/94 SB59-3-00 222428 44345	SOIL SEAD-59 2-4 05/25/94 SB59-3-02 222429 44345
COMPOUND UNITS			SB59-1.04DUP				SB59-2-00DUP			
PESTICIDES/PCB										
alpha-BHC ug/Kg	2 U	2.2 U		2.1 U	1.9 UJ	1.9 UJ	2.1 UJ	2 UJ	3.8 U	2 U
beta-BHC ug/Kg	2 U	2.2 U		2.1 U	1.9 UJ	1.9 UJ	2.1 UJ	2 UJ	3.8 U	2 U
delta-BHC ug/Kg	2 U	2.2 U		2.1 U	1.9 UJ	1.9 UJ	2.1 UJ	2 UJ	3.8 U	2 U
gamma-BHC (Lindane) ug/Kg	2 U	2.2 U		2.1 U	1.9 UJ	1.9 UJ	2.1 UJ	2 UJ	3.8 U	2 U
Heptachlor ug/Kg	2 U	2.2 U		2.1 U	1.9 UJ	1.9 UJ	2.1 UJ	2 UJ	3.8 U	2 U
Aldrin ug/Kg	2 U	2.2 U		2.1 U	1.9 UJ	0.96 J	1.2 J	2 UJ	3.8 U	2 U
Heptachlor epoxide ug/Kg	2 U	2.2 U		2.1 U	1.9 UJ	1.9 UJ	2.1 UJ	2 UJ	3.8 U	2 U
Endosulfan I ug/Kg	2 U	2.2 U		2.1 U	22 J	2.6 J	16 J	4.1 J	3.8 U	2 U
Dieldrin ug/Kg	3.8 U	4.2 U		4 U	3.7 UJ	3.7 UJ	4.1 UJ	3.9 UJ	7.3 U	3.8 U
4,4'-DDE ug/Kg	11 J	25		7.3 J	11 J	6.5 J	81 J	8.2 J	19 J	3.8 U
Endrin ug/Kg	3.8 U	4.2 U		4 U	3.9 J	3.7 UJ	4.1 UJ	3.9 UJ	7.3 U	3.8 U
Endosulfan II ug/Kg	5.1 J	4.2 U		4 U	3.7 UJ	4 J	4.1 UJ	3.9 UJ	7.3 U	3.8 U
4,4'-DDD ug/Kg	5.9	36		11	4.3 J	4.8 J	48 J	5.4 J	7.7 J	3.8 U
Endosulfan sulfate ug/Kg	3.8 U	4.2 U		4 U	3.7 UJ	3.7 UJ	4.1 UJ	3.9 UJ	7.3 U	3.8 U
4,4'-DDT ug/Kg	38 J	25		21	26 J	13 J	16 J	3.9 UJ	33	3.8 U
Methoxychlor ug/Kg	20 U	22 U		21 U	19 UJ	19 UJ	21 UJ	20 UJ	38 U	20 U
Endrin ketone ug/Kg	3.8 U	4.2 U		4 U	3.7 UJ	3.7 UJ	4.1 UJ	3.9 UJ	7.3 U	3.8 U
Endrin aldehyde ug/Kg	5.6 J	4.2 U		3.9 J	3.7 UJ	3.7 UJ	4.1 UJ	3.9 UJ	13 J	3.8 U
alpha-Chlordane ug/Kg	2 U	2.2 U		2.1 U	2.1 J	3.4 J	5.2 J	2 UJ	5.1 J	2 U
gamma-Chlordane ug/Kg	2 U	2.2 U		2.1 U	1.9 UJ	1.9 UJ	2.1 UJ	2 UJ	7.4	2 U
Toxaphene ug/Kg	200 U	220 U		210 U	190 UJ	190 UJ	210 UJ	200 UJ	380 U	200 U
Aroclor-1016 ug/Kg	38 U	42 U		40 U	37 UJ	37 UJ	41 UJ	39 UJ	73 U	38 U
Aroclor-1221 ug/Kg	78 U	86 U		81 U	75 UJ	75 UJ	84 UJ	79 UJ	150 U	78 U
Aroclor-1232 ug/Kg	38 U	42 U		40 U	37 UJ	37 UJ	41 UJ	39 UJ	73 U	38 U
Aroclor-1242 ug/Kg	38 U	42 U		40 U	37 UJ	37 UJ	41 UJ	39 UJ	73 U	38 U
Aroclor-1248 ug/Kg	38 U	42 U		40 U	37 UJ	37 UJ	41 UJ	39 UJ	73 U	38 U
Aroclor-1254 ug/Kg	38 U	42 U		40 U	37 UJ	37 UJ	41 UJ	39 UJ	73 U	25 J
Aroclor-1260 ug/Kg	38 U	42 U		40 U	37 UJ	37 UJ	41 UJ	39 UJ	73 U	38 U
METALS										
Aluminum mg/Kg	11200 J	13000 J		11800 J	8640	11800	12500	9340	9020	11700
Antimony mg/Kg	0.56 J	0.74 J		0.24 J	0.43 J	0.38 J	0.84 J	0.26 J	0.15 UJ	0.17 UJ
Arsenic mg/Kg	5 J	4.4 J		3.8 J	5.5	5.7	6	3.8	5.1	4.3
Barium mg/Kg	77.6 J	108 J		75.7 J	76.4	79.5	93.4	66	59.1	77.5
Beryllium mg/Kg	0.46 J	0.58 J		0.48 J	0.41 J	0.53 J	0.67 J	0.42 J	0.48 J	0.54 J
Cadmium mg/Kg	0.5 J	0.37 J		0.1 J	0.74 J	0.87 J	0.9 J	0.41 J	0.75	0.55 J
Calcium mg/Kg	150000 J	83700 J		37400 J	135000	86400	44500	65800	108000	69500
Chromium mg/Kg	18.4 J	18.4 J		18.1 J	16.3	21.2	21.1	15.5	15.2	17.7
Cobalt mg/Kg	9.4 J	7.1 J		8.8 J	7.9 J	12.3	11.7	9.1	8.7	8.1 J
Copper mg/Kg	25.4 J	32.9 J		23.5 J	21.7	28.9	28.1	19.7	21.1	24.2
Iron mg/Kg	20400 J	18300 J		20500 J	18200	24500	24600	20900	18100	19400
Lead mg/Kg	51.6 J	38.4 J		10.5 J	40	49.8	50.3	12.9	29.2 J	11.4 J
Magnesium mg/Kg	8690 J	8810 J		14500 J	11100	15200	8540	9190	11500	17500
Manganese mg/Kg	516 J	418 J		329 J	410	542	664	836	555	411
Mercury mg/Kg	0.05 J	0.16 J		0.03 J	0.06 J	1.6 J	0.08 J	0.04 J	0.04 J	0.05 J
Nickel mg/Kg	27 J	23 J		27.9 J	31.8	32.3	31.8	24.7	23.4	29
Potassium mg/Kg	2140 J	2290 J		2520 J	1590 J	1750 J	1690 J	1280 J	1460 J	1880 J
Selenium mg/Kg	0.27 J	1 J		0.42 J	0.48 U	0.81 J	1.3	0.49 J	0.38 J	0.3 U
Silver mg/Kg	0.16 U	0.15 U		0.12 U	0.09 UJ	0.11 UJ	0.32 J	0.08 UJ	0.1 UJ	0.12 UJ
Sodium mg/Kg	135 J	353 J		164 J	189 J	171 J	168 J	148 J	183 J	556 J
Thallium mg/Kg	0.17 U	0.27 U		0.22 U	0.34 U	0.41 U	0.4 U	0.29 U	0.24 U	0.28 U
Vanadium mg/Kg	41.9 J	24.8 J		22 J	18.1	21.3	24.2	16.4	17.3	19.9
Zinc mg/Kg	86.4 J	116 J		69.7 J	76.5	102	115	75.5	75	59.1
Cyanide mg/Kg	0.56 U	0.63 U		0.59 U	0.5 U	0.54 U	0.58 U	0.59 U	0.46 U	0.57 U
OTHER ANALYSES										
Nitrate/Nitrite-Nitrogen mg/Kg										
Total Petroleum Hydrocarbons mg/Kg	380	220	182	78	951	774	513	69	1360	29 U
Total Solids %W/W	85.3	78.1	71	82.3	89.4	89.2	79.6	84.9	89.6	85.6

SENECA ARMY DEPOT
SEAD-59 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-59 2-4 05/25/94 SB59-3-02RE 222429 44345	SOIL SEAD-59 6-8 05/25/94 SB59-3-04 222430 44345	SOIL SEAD-59 0-0.2 05/25/94 SB59-4-00 222431 44345	SOIL SEAD-59 8-10 05/25/94 SB59-4-05 222432 44345	SOIL SEAD-59 10-20 05/25/94 SB59-4-10 222433 44345	SOIL SEAD-59 0-0.2 05/25/94 SB59-5-00 222434 44345	SOIL SEAD-59 4-6 05/25/94 SB59-5-03 222435 44345	SOIL SEAD-59 10-12 05/25/94 SB59-5-06 222436 44345	SOIL SEAD-59 2 06/08/94 TP59-1 223514 44694	
VOLATILE ORGANICS										
Chloromethane	ug/Kg	11 U	11 U	18 U	11 U	11 U	11 U	11 U	11 U	30000 U
Bromomethane	ug/Kg	11 U	11 U	18 U	11 U	11 U	11 U	11 U	11 U	30000 U
Vinyl Chloride	ug/Kg	11 U	11 U	18 U	11 U	11 U	11 U	11 U	11 U	30000 U
Chloroethane	ug/Kg	11 U	11 U	18 U	11 U	11 U	11 U	11 U	11 U	30000 U
Methylene Chloride	ug/Kg	11 U	11 U	2 J	11 U	11 U	11 U	11 U	11 U	30000 U
Acetone	ug/Kg	11 U	11 U	18 U	11 U	11 U	11 U	11 U	11 U	30000 U
Carbon Disulfide	ug/Kg	11 U	11 U	4 J	11 U	11 U	11 U	11 U	11 U	30000 U
1,1-Dichloroethane	ug/Kg	11 U	11 U	18 U	11 U	11 U	11 U	11 U	11 U	30000 U
1,1-Dichloroethane	ug/Kg	11 U	11 U	18 U	11 U	11 U	11 U	11 U	11 U	30000 U
1,2-Dichloroethane (total)	ug/Kg	11 U	11 U	18 U	11 U	11 U	11 U	11 U	11 U	30000 U
Chloroform	ug/Kg	11 U	11 U	18 U	11 U	11 U	11 U	11 U	11 U	30000 U
1,2-Dichloroethane	ug/Kg	11 U	11 U	18 U	11 U	11 U	11 U	11 U	11 U	30000 U
2-Butanone	ug/Kg	11 U	11 U	18 U	11 U	11 U	11 U	11 U	11 U	30000 U
1,1,1-Trichloroethane	ug/Kg	11 U	11 U	18 U	11 U	11 U	11 U	11 U	11 U	30000 U
Carbon Tetrachloride	ug/Kg	11 U	11 U	18 U	11 U	11 U	11 U	11 U	11 U	30000 U
Bromodichloromethane	ug/Kg	11 U	11 U	18 U	11 U	11 U	11 U	11 U	11 U	30000 U
1,2-Dichloropropane	ug/Kg	11 U	11 U	18 U	11 U	11 U	11 U	11 U	11 U	30000 U
cis-1,3-Dichloropropene	ug/Kg	11 U	11 U	18 U	11 U	11 U	11 U	11 U	11 U	30000 U
Trichloroethene	ug/Kg	11 U	11 U	18 U	11 U	11 U	11 U	1 J	11 U	30000 U
Dibromochloromethane	ug/Kg	11 U	11 U	18 U	11 U	11 U	11 U	11 U	11 U	30000 U
1,1,2-Trichloroethane	ug/Kg	11 U	11 U	18 U	11 U	11 U	11 U	11 U	11 U	30000 U
Benzene	ug/Kg	11 U	11 U	18 U	11 U	11 U	11 U	11 U	11 U	30000 U
trans-1,3-Dichloropropene	ug/Kg	11 U	11 U	18 U	11 U	11 U	11 U	11 U	11 U	5900 J
Bromotom	ug/Kg	11 U	11 U	18 U	11 U	11 U	11 U	11 U	11 U	30000 U
4-Methyl-2-Pentanone	ug/Kg	11 U	11 U	18 U	11 U	11 U	11 U	11 U	11 U	30000 U
2-Hexanone	ug/Kg	11 U	11 U	18 U	11 U	11 U	11 U	11 U	11 U	30000 U
Tetrachloroethene	ug/Kg	11 U	11 U	18 U	11 U	11 U	11 U	11 U	11 U	30000 U
1,1,2,2-Tetrachloroethane	ug/Kg	11 U	11 U	18 U	11 U	11 U	11 U	11 U	11 U	30000 U
Toluene	ug/Kg	11 U	11 U	18 U	11 U	11 U	11 U	11 U	11 U	830000
Chlorobenzene	ug/Kg	11 U	11 U	18 U	11 U	11 U	11 U	11 U	11 U	30000 U
Ethylbenzene	ug/Kg	11 U	11 U	18 U	11 U	11 U	11 U	11 U	11 U	260000
Styrene	ug/Kg	11 U	11 U	18 U	11 U	11 U	11 U	11 U	11 U	30000 U
Xylene (total)	ug/Kg	11 U	11 U	18 U	11 U	11 U	11 U	11 U	11 U	1000000
HERBICIDES										
2,4-D	ug/Kg									
2,4-DB	ug/Kg									
2,4,5-T	ug/Kg									
2,4,5-TP (Silvex)	ug/Kg									
Dalapon	ug/Kg									
Dicamba	ug/Kg									
Dichloroprop	ug/Kg									
Dinoseb	ug/Kg									
MCPA	ug/Kg									
MCPP	ug/Kg									
NITROAROMATICS										
HMX	ug/Kg									
RDX	ug/Kg									
1,3,5-Trinitrobenzene	ug/Kg									
1,3-Dinitrobenzene	ug/Kg									
Tetryl	ug/Kg									
2,4,6-Trinitrotoluene	ug/Kg									
4-amino-2,6-Dinitrotoluene	ug/Kg									
2-amino-4,6-Dinitrotoluene	ug/Kg									
2,6-Dinitrotoluene	ug/Kg									
2,4-Dinitrotoluene	ug/Kg									

SENECA ARMY DEPOT
SEAD-59 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-59 2-4 05/25/94 SB59-3-02RE 44345	SOIL SEAD-59 6-8 05/25/94 SB59-3-04 222430 44345	SOIL SEAD-59 0-0.2 05/25/94 SB59-4-00 222431 44345	SOIL SEAD-59 8-10 05/25/94 SB59-4-05 222432 44345	SOIL SEAD-59 10-20 05/25/94 SB59-4-10 222433 44345	SOIL SEAD-59 0-0.2 05/25/94 SB59-5-00 222434 44345	SOIL SEAD-59 4-6 05/25/94 SB59-5-03 222435 44345	SOIL SEAD-59 4-6 05/25/94 SB59-5-03RE 222435 44345	SOIL SEAD-59 10-12 05/25/94 SB59-5-06 222436 44345	SOIL SEAD-59 2 06/06/94 TP59-1 223514 44694
COMPOUND										
PESTICIDES/PCB										
alpha-BHC	ug/Kg	2 U	1.9 UJ	3.8 U	22 U	1.8 UJ	19 U	3.9 U	2 U	2.2 U
beta-BHC	ug/Kg	2 U	1.9 UJ	3.8 U	22 U	1.8 UJ	19 U	3.9 U	2 U	2.2 U
delta-BHC	ug/Kg	2 U	1.9 UJ	3.8 U	22 U	1.8 UJ	19 U	3.9 U	2 U	2.2 U
gamma-BHC (Lindane)	ug/Kg	2 U	1.9 UJ	3.8 U	22 U	1.8 UJ	19 U	3.9 U	2 U	2.2 U
Heptachlor	ug/Kg	2 U	1.9 UJ	3.8 U	22 U	1.8 UJ	19 U	3.9 U	2 U	2.2 U
Aldrin	ug/Kg	2 U	1.9 UJ	3.8 U	22 U	1.8 UJ	19 U	3.9 U	2 U	2.2 U
Heptachlor epoxide	ug/Kg	2 U	1.9 UJ	3.8 U	22 U	1.8 UJ	19 U	3.9 U	2 U	2.2 U
Endosulfan I	ug/Kg	2 U	1.9 UJ	3.8 U	22 U	1.8 UJ	19 U	3.9 U	2 U	2.2 U
Dieldrin	ug/Kg	3.8 U	3.8 UJ	7.4 U	42 U	3.8 UJ	37 U	7.5 U	3.8 U	3.6 J
4,4'-DDE	ug/Kg	3.8 U	3.8 UJ	7.3 J	140	3.8 UJ	37 U	21	3.8 U	13 J
Endrin	ug/Kg	3.8 U	3.6 UJ	7.4 U	42 U	3.6 UJ	37 U	7.5 U	3.8 U	4.3 U
Endosulfan II	ug/Kg	3.8 U	3.8 UJ	7.4 U	42 U	3.6 UJ	37 U	7.5 U	3.8 U	4.3 U
4,4'-DDD	ug/Kg	3.8 U	3.6 UJ	6.1 J	450	3.8 UJ	37 U	22 J	3.8 U	7
Endosulfan sulfate	ug/Kg	3.8 U	3.8 UJ	7.4 U	42 U	3.6 UJ	37 U	7.5 U	3.8 U	4.3 U
4,4'-DDT	ug/Kg	3.8 U	3.6 UJ	15 J	350	3.6 UJ	37 U	23 J	3.8 U	4.3 U
Methoxychlor	ug/Kg	20 U	19 UJ	38 U	220 U	18 UJ	190 U	39 U	20 U	22 U
Endrin ketone	ug/Kg	3.8 U	3.6 UJ	7.4 U	42 U	3.6 UJ	37 U	7.5 U	3.8 U	4.3 U
Endrin aldehyde	ug/Kg	3.8 U	3.6 UJ	7.4 U	42 U	3.6 UJ	37 U	7.5 U	3.8 U	4.3 U
alpha-Chlordane	ug/Kg	2 U	1.9 UJ	3.8 U	22 U	1.8 UJ	19 U	3.9 U	2 U	1.3 J
gamma-Chlordane	ug/Kg	2 U	1.9 UJ	2.7 J	22 U	1.8 UJ	19 U	2.2 J	2 U	2.2 U
Toxaphene	ug/Kg	200 U	190 UJ	380 U	2200 U	180 UJ	1900 U	390 U	200 U	220 U
Aroclor-1016	ug/Kg	38 U	36 UJ	74 U	420 U	36 UJ	370 U	75 U	38 U	43 U
Aroclor-1221	ug/Kg	78 U	74 UJ	150 U	850 U	73 UJ	740 U	150 U	77 U	88 U
Aroclor-1232	ug/Kg	38 U	36 UJ	74 U	420 U	36 UJ	370 U	75 U	38 U	43 U
Aroclor-1242	ug/Kg	38 U	36 UJ	74 U	420 U	36 UJ	370 U	75 U	38 U	43 U
Aroclor-1248	ug/Kg	38 U	36 UJ	74 U	420 U	36 UJ	370 U	75 U	38 U	43 U
Aroclor-1254	ug/Kg	30 J	36 UJ	74 U	420 U	36 UJ	370 U	75 U	38 U	43 U
Aroclor-1260	ug/Kg	38 U	36 UJ	74 U	420 U	36 UJ	370 U	75 U	38 U	43 U
METALS										
Aluminum	mg/Kg	8020	13100	4200	7550	12600	12800	7030	16000 J	
Antimony	mg/Kg	0.15 UJ	0.17 UJ	424 J	0.22 UJ	0.41 J	0.2 UJ	0.18 UJ	0.26 UJ	
Arsenic	mg/Kg	4.4	5.3	3.8	3.7	5.1	5.5	5.1	6.1	
Barium	mg/Kg	82.9	90.1	304	21.1 J	101	81.9	36 J	120 J	
Beryllium	mg/Kg	0.39 J	0.62 J	0.37 J	0.38 J	0.63 J	0.61 J	0.42 J	0.61 J	
Cadmium	mg/Kg	0.52 J	1	3.2	0.42 J	1.3	0.91 J	0.61 J	0.6 J	
Calcium	mg/Kg	71100	51000	214000	61700	59500	62800	85200	7690 J	
Chromium	mg/Kg	13.3	20.8	14.7	12.8	22.1	20.1	13.1	23.8 J	
Cobalt	mg/Kg	7.9	10.7	4 J	7.7 J	11.3	10.8	8.1 J	14.7 J	
Copper	mg/Kg	18.4	31	14.2	15.8	32.5	26	18.8	19.6 J	
Iron	mg/Kg	17800	23800	6540	17300	24800	24100	18100	33300 J	
Lead	mg/Kg	9.3 J	59.8 J	139 J	9.5 J	91.9 J	42.1 J	12.3 J	15	
Magnesium	mg/Kg	18500	10600	7980	14600	8640	11500	34400	5210 J	
Manganese	mg/Kg	403	853	298	328	586	640	477	507 J	
Mercury	mg/Kg	0.03 J	0.08	0.11	0.03 J	0.04 J	0.15	0.04 J	0.07 J	R
Nickel	mg/Kg	22.5	41.3	10.6	21.3	33.1	29.8	27	34.4 J	
Potassium	mg/Kg	1370 J	1850 J	845 J	1100 J	1620 J	1710 J	922 J	1540	
Selenium	mg/Kg	0.28 U	0.28 U	0.28 U	0.98 J	0.37 U	0.53 J	0.31 U	1.2	
Silver	mg/Kg	0.11 UJ	0.12 UJ	0.11 J	0.15 UJ	0.15 UJ	0.14 UJ	0.13 UJ	0.1 UJ	
Sodium	mg/Kg	198 J	80 J	125 J	140 J	79.1 J	161 J	274 J	140 J	
Thallium	mg/Kg	0.24 U	0.27 U	0.22 U	0.34 U	0.35 U	0.32 U	0.29 U	0.38 U	
Vanadium	mg/Kg	13.6	23.2	13.9	12.1	22.1	23.2	13.3	25.3 J	
Zinc	mg/Kg	53.6	131	341	54.9	106	101	64.9	1550 J	
Cyanide	mg/Kg	0.51 U	0.51 U	0.61 U	0.47 U	0.53 U	0.5 U	0.56 U	0.58 U	
OTHER ANALYSES										
Nitrate/Nitrite-Nitrogen	mg/Kg									
Total Petroleum Hydrocarbons	mg/Kg	29 U	594	778	40	527	637	70	3820	
Total Solids	%W/W	91	89.2	78.8	92	90.3	87.6	86.7	76	

SENECA ARMY DEPOT
SEAD-59 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-59 7 02/20/94 TP59-2 212043 42494	SOIL SEAD-59 7 02/20/94 TP59-2RE 212043 42494	SOIL SEAD-59 3 06/08/94 TP59-3 223515 44694	SOIL SEAD-59 1.5 06/28/94 TP59-3 225801 45062	SOIL SEAD-59 1.5 06/28/94 TP59-3X 225802 45062	SOIL SEAD-59 2 06/08/94 TP59-4 223516 44694	SOIL SEAD-59 2.5 06/08/94 TP59-5 223517 44694
VOLATILE ORGANICS							
Chloromethane	ug/Kg	11 U		12 U	3300 U	1800 U	3 J
Bromomethane	ug/Kg	11 U		12 U	3300 U	1800 U	12 U
Vinyl Chloride	ug/Kg	11 U		12 U	3300 U	1800 U	12 U
Chloroethane	ug/Kg	11 U		12 U	3300 U	1800 U	12 U
Methylene Chloride	ug/Kg	11 U		12 U	3300 U	1800 U	1 J
Acetone	ug/Kg	17 U		16 U	3300 U	1800 U	30
Carbon Disulfide	ug/Kg	11 U		12 U	3300 U	1800 U	12 U
1,1-Dichloroethane	ug/Kg	11 U		12 U	3300 U	1800 U	12 U
1,1-Dichloroethane	ug/Kg	11 U		12 U	3300 U	1800 U	12 U
1,2-Dichloroethane (total)	ug/Kg	11 U		12 U	3300 U	1800 U	12 U
Chloroform	ug/Kg	11 U		12 U	3300 U	1800 U	12 U
1,2-Dichloroethane	ug/Kg	11 U		12 U	3300 U	1800 U	12 U
2-Butanone	ug/Kg	11 U		12 U	3300 U	1800 U	12
1,1,1-Trichloroethane	ug/Kg	11 U		12 U	3300 U	1800 U	12 U
Carbon Tetrachloride	ug/Kg	11 U		12 U	3300 U	1800 U	12 U
Bromodichloromethane	ug/Kg	11 U		12 U	3300 U	1800 U	12 U
1,2-Dichloropropane	ug/Kg	11 U		12 U	3300 U	1800 U	12 U
cis-1,3-Dichloropropene	ug/Kg	11 U		12 U	3300 U	1800 U	12 U
Trichloroethene	ug/Kg	11 U		12 U	3300 U	1800 U	12 U
Dibromochloromethane	ug/Kg	11 U		12 U	3300 U	1800 U	12 U
1,1,2-Trichloroethane	ug/Kg	11 U		12 U	3300 U	1800 U	12 U
Benzene	ug/Kg	11 U		12 U	2000 J	1800 U	12 U
trans-1,3-Dichloropropene	ug/Kg	11 U		12 U	3300 U	1800 U	12 U
Bromoform	ug/Kg	11 U		12 U	3300 U	1800 U	12 U
4-Methyl-2-Pentanone	ug/Kg	11 U		12 U	3300 U	1800 U	12 U
2-Hexanone	ug/Kg	11 U		12 U	3300 U	1800 U	12 U
Tetrachloroethene	ug/Kg	11 U		12 U	3300 U	1800 U	12 U
1,1,2,2-Tetrachloroethane	ug/Kg	11 U		12 U	3300 U	1800 U	12 U
Toluene	ug/Kg	11 U		12 U	440 J	220 J	2 J
Chlorobenzene	ug/Kg	11 U		12 U	3300 U	1800 U	12 U
Ethylbenzene	ug/Kg	11 U		12 U	3300 U	1800 U	12 U
Styrene	ug/Kg	11 U		12 U	3300 U	1800 U	12 U
Xylene (total)	ug/Kg	11 U		12 U	1200 J	410 J	12 U
HERBICIDES							
2,4-D	ug/Kg						
2,4-DB	ug/Kg						
2,4,5-T	ug/Kg						
2,4,5-TP (Silvex)	ug/Kg						
Dalapon	ug/Kg						
Dicamba	ug/Kg						
Dichloroprop	ug/Kg						
Dinoseb	ug/Kg						
MCPA	ug/Kg						
MCPP	ug/Kg						
NITROAROMATICS							
HMX	ug/Kg						
RDX	ug/Kg						
1,3,5-Trinitrobenzene	ug/Kg						
1,3-Dinitrobenzene	ug/Kg						
Tetryl	ug/Kg						
2,4,6-Trinitrotoluene	ug/Kg						
4-amino-2,6-Dinitrotoluene	ug/Kg						
2-amino-4,6-Dinitrotoluene	ug/Kg						
2,6-Dinitrotoluene	ug/Kg						
2,4-Dinitrotoluene	ug/Kg						

SENECA ARMY DEPOT
SEAD-59 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

MATRIX LOCATION	SOIL SEAD-59	SOIL SEAD-59	SOIL SEAD-59	SOIL SEAD-59	SOIL SEAD-59	SOIL SEAD-59	SOIL SEAD-59
DEPTH (FEET)	7	7	3	1.5	1.5	2	2.5
SAMPLE DATE	02/20/94	02/20/94	06/08/94	06/28/94	06/28/94	06/08/94	06/08/94
ES ID	TP59-2	TP59-2RE	TP59-3	TP59-3	TP59-3X	TP59-4	TP59-5
LAB ID	212043	212043	223515	225801	225802	223516	223517
SDG NUMBER	42494	42494	44694	45062	45062	44694	44694
COMPOUND	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
SEMIVOLATILE ORGANICS							
Phend	ug/Kg	1800 U	3100 U	4000 U		98000 U	390 U
bis(2-Chloroethyl) ether	ug/Kg	1800 U	3100 U	4000 U		98000 U	390 U
2-Chlorophend	ug/Kg	1800 U	3100 U	4000 U		98000 U	390 U
1,3-Dichlorobenzene	ug/Kg	1800 U	3100 U	4000 U		98000 U	390 U
1,4-Dichlorobenzene	ug/Kg	1800 U	3100 U	4000 U		98000 U	390 U
1,2-Dichlorobenzene	ug/Kg	1800 U	3100 U	4000 U		98000 U	390 U
2-Methylphenol	ug/Kg	1800 U	3100 U	4000 U		98000 U	390 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	1800 U	3100 U	4000 U		98000 U	390 U
4-Methylphenol	ug/Kg	1800 U	3100 U	4000 U		98000 U	390 U
N-Nitroso-di-n-propylamine	ug/Kg	1800 U	3100 U	4000 U		98000 U	390 U
Hexachloroethane	ug/Kg	1800 U	3100 U	4000 U		98000 U	390 U
Nitrobenzene	ug/Kg	1800 U	3100 U	4000 U		98000 U	390 U
Isophorone	ug/Kg	1800 U	3100 U	4000 U		98000 U	390 U
2-Nitrophenol	ug/Kg	1800 U	3100 U	4000 U		98000 U	390 U
2,4-Dimethylphenol	ug/Kg	1800 U	3100 U	4000 U		98000 U	390 U
bis(2-Chloroethoxy) methane	ug/Kg	1800 U	3100 U	4000 U		98000 U	390 U
2,4-Dichlorophenol	ug/Kg	1800 U	3100 U	4000 U		98000 U	390 U
1,2,4-Trichlorobenzene	ug/Kg	1800 U	3100 U	4000 U		98000 U	390 U
Naphthalene	ug/Kg	290 J	340 J	4000 U		98000 U	390 U
4-Chloroaniline	ug/Kg	1800 U	3100 U	4000 U		98000 U	390 U
Hexachlorobutadiene	ug/Kg	1800 U	3100 U	4000 U		98000 U	390 U
4-Chloro-3-methylphenol	ug/Kg	1800 U	3100 U	4000 U		98000 U	390 U
2-Methylnaphthalene	ug/Kg	400 J	430 J	4000 U		67000 J	390 U
Hexachlorocyclopentadiene	ug/Kg	1800 U	3100 U	4000 U		98000 U	390 U
2,4,6-Trichlorophenol	ug/Kg	1800 U	3100 U	4000 U		98000 U	390 U
2,4,5-Trichlorophenol	ug/Kg	4500 U	7400 U	9800 U		240000 U	940 U
2-Chloronaphthalene	ug/Kg	1800 U	3100 U	4000 U		98000 U	390 U
2-Nitroaniline	ug/Kg	4500 U	7400 U	9800 U		240000 U	940 U
Dimethylphthalate	ug/Kg	1800 U	3100 U	4000 U		98000 U	390 U
Acenaphthylene	ug/Kg	480 J	450 J	4000 U		98000 U	390 U
2,6-Dinitrotoluene	ug/Kg	1800 U	3100 U	4000 U		98000 U	390 U
3-Nitroaniline	ug/Kg	4500 U	7400 U	9800 U		240000 U	940 U
Acenaphthene	ug/Kg	870 J	960 J	4000 U		98000 U	390 U
2,4-Dinitrophenol	ug/Kg	4500 U	7400 U	9800 U		240000 U	940 U
4-Nitrophenol	ug/Kg	4500 U	7400 U	9800 U		240000 U	940 U
Dibenzofuran	ug/Kg	1800 U	560 J	4000 U		98000 U	390 U
2,4-Dinitrotoluene	ug/Kg	1800 U	3100 U	4000 U		98000 U	390 U
Diethylphthalate	ug/Kg	1800 U	3100 U	4000 U		98000 U	390 U
4-Chlorophenyl-phenylether	ug/Kg	1800 U	3100 U	4000 U		98000 U	390 U
Fluorene	ug/Kg	1300 J	1300 J	4000 U		22000 J	390 U
4-Nitroaniline	ug/Kg	4500 U	7400 U	9800 U		240000 U	940 U
4,6-Dinitro-2-methylphenol	ug/Kg	4500 U	7400 U	9800 U		240000 U	940 U
N-Nitrosodiphenylamine	ug/Kg	1800 U	3100 U	4000 U		98000 U	390 U
4-Bromophenyl-phenylether	ug/Kg	1800 U	3100 U	4000 U		98000 U	390 U
Hexachlorobenzene	ug/Kg	1800 U	3100 U	4000 U		98000 U	390 U
Pentachlorophenol	ug/Kg	4500 U	7400 U	9800 U		240000 U	940 U
Phenanthrene	ug/Kg	8300	9000	980 J		46000 J	390 U
Anthracene	ug/Kg	2100	2400 J	4000 U		98000 U	390 U
Carbazole	ug/Kg	1500 J	1800 J	4000 U		98000 U	390 U
Di-n-butylphthalate	ug/Kg	1800 U	3100 U	4000 U		98000 U	390 U
Fluoranthene	ug/Kg	10000	11000	1500 J		98000 U	390 U
Pyrene	ug/Kg	12000	17000 J	1700 J		98000 U	390 U
Butylbenzylphthalate	ug/Kg	1800 U	3100 UJ	320 J		98000 U	390 U
3,3'-Dichlorobenzidine	ug/Kg	1800 U	3100 UJ	4000 U		98000 U	390 U
Benzo(a)anthracene	ug/Kg	4200	4900 J	930 J		98000 U	390 U
Chrysene	ug/Kg	4400	5000 J	1100 J		98000 U	390 U
bis(2-Ethylhexyl)phthalate	ug/Kg	1800 U	200 J	4000 U		98000 U	46 J
Di-n-octylphthalate	ug/Kg	1800 UJ	3100 U R	4000 U		98000 U	390 U
Benzo(b)fluoranthene	ug/Kg	4400 J	5300 J	830 J		98000 U	390 U
Benzo(k)fluoranthene	ug/Kg	4900 J	5700 J	710 J		98000 U	390 U
Benzo(a)pyrene	ug/Kg	4600 J	5300 J	900 J		98000 U	390 U
Indeno(1,2,3-cd)pyrene	ug/Kg	1500 J	1800 J	520 J		98000 U	390 U
Dibenz(a,h)anthracene	ug/Kg	1800 UJ	3100 U R	4000 U		98000 U	390 U
Benzo(g,h,i)perylene	ug/Kg	1400 J	3100 U R	640 J		98000 U	390 U

SENECA ARMY DEPOT
SEAD-59 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

MATRIX LOCATION	SOIL SEAD-59	SOIL SEAD-59	SOIL SEAD-59	SOIL SEAD-59	SOIL SEAD-59	SOIL SEAD-59	SOIL SEAD-59
DEPTH (FEET)	7	7	3	1.5	1.5	2	2.5
SAMPLE DATE	02/20/94	02/20/94	06/08/94	06/26/94	06/28/94	06/08/94	06/08/94
ES ID	TP59-2	TP59-2RE	TP59-3	TP59-3	TP59-3X	TP59-4	TP59-5
LAB ID	212043	212043	223515	225801	225802	223516	223517
SDG NUMBER	42494	42494	44694	45062	45062	44694	44694
COMPOUND	UNITS						
PESTICIDES/PCB							
alpha-BHC	ug/Kg	3.8 U		2.1 U		2.5 U	2 U
beta-BHC	ug/Kg	3.8 U		2.1 U		2.5 U	2 U
delta-BHC	ug/Kg	3.8 U		2.1 U		2.5 U	2 U
gamma-BHC (Lindane)	ug/Kg	3.8 U		2.1 U		2.5 U	2 U
Heptachlor	ug/Kg	3.8 U		2.1 U		2.5 U	2 U
Aldrin	ug/Kg	3.8 U		2.1 U		2.5 U	2 U
Heptachlor epoxide	ug/Kg	2.2 J		2.1 U		2.5 U	2 U
Endosulfan I	ug/Kg	3.8 U		2.1 U		1.5 J	2 U
Dieldrin	ug/Kg	7.3 U		4 U		4.9 U	3.9 U
4,4'-DDE	ug/Kg	26 J		7.7 J		12	3.9 U
Endrin	ug/Kg	7.3 U		4 U		4.9 U	3.9 U
Endosulfan II	ug/Kg	7.1 J		4 U		4.9 U	3.9 U
4,4'-DDD	ug/Kg	15		7 J		25 J	3.9 U
Endosulfan sulfate	ug/Kg	7.3 U		2.6 J		4.9 U	3.9 U
4,4'-DDT	ug/Kg	20 J		8.2 J		4.9 U	3.9 U
Methoxychlor	ug/Kg	38 U		21 U		25 U	20 U
Endrin ketone	ug/Kg	7.3 U		4 U		4.9 U	3.9 U
Endrin aldehyde	ug/Kg	8.3 J		4 U		4.9 U	3.9 U
alpha-Chlordane	ug/Kg	3.8 U		2.1 U		2.5 U	2 U
gamma-Chlordane	ug/Kg	3.8 U		2.1 U		2.5 U	2 U
Toxaphene	ug/Kg	380 U		210 U		250 U	200 U
Aroclor-1016	ug/Kg	73 U		40 U		49 U	39 U
Aroclor-1221	ug/Kg	150 U		82 U		100 U	79 U
Aroclor-1232	ug/Kg	73 U		40 U		49 U	39 U
Aroclor-1242	ug/Kg	73 U		40 U		49 U	39 U
Aroclor-1248	ug/Kg	73 U		40 U		49 U	39 U
Aroclor-1254	ug/Kg	73 U		40 U		49 U	39 U
Aroclor-1280	ug/Kg	73 U		40 U		49 U	39 U
METALS							
Aluminum	mg/Kg	10200 J		12300 J		14600 J	8730 J
Antimony	mg/Kg	0.47 J		0.32 J		0.65 J	0.25 UJ
Arsenic	mg/Kg	4.8 J		4.6		4.9	4.1
Barium	mg/Kg	52.8 J		104 J		114 J	72 J
Beryllium	mg/Kg	0.43 J		0.52 J		0.72 J	0.33 J
Cadmium	mg/Kg	0.4 J		0.63 J		0.74 J	0.38 J
Calcium	mg/Kg	42700 J		53100 J		7780 J	77700 J
Chromium	mg/Kg	18.9 J		20.7 J		19.9 J	13.2 J
Cobalt	mg/Kg	9.1 J		9.8 J		7.9 J	6.3 J
Copper	mg/Kg	24 J		28.9 J		23.2 J	17.2 J
Iron	mg/Kg	19700 J		23600 J		21000 J	16800 J
Lead	mg/Kg	29.7 J		31.2		19.9	10.2
Magnesium	mg/Kg	6380 J		14600 J		2710 J	15400 J
Manganese	mg/Kg	425 J		426 J		1050 J	326 J
Mercury	mg/Kg	0.04 J		0.11 R		0.17 R	0.05 J R
Nickel	mg/Kg	25.3 J		30.1 J		17.2 J	21.1 J
Potassium	mg/Kg	1350 J		1820		1320	1310
Selenium	mg/Kg	0.12 U		0.49 U		1.9	0.52 U
Silver	mg/Kg	0.09 U		0.09 UJ		0.13 UJ	0.1 UJ
Sodium	mg/Kg	116 J		272 J		2310	169 J
Thallium	mg/Kg	0.21 U		0.34 U		0.48 U	0.37 U
Vanadium	mg/Kg	18.7 J		22.1 J		24 J	15.2 J
Zinc	mg/Kg	72.3 J		89.7 J		73.1 J	52.5 J
Cyanide	mg/Kg	0.55 U		0.46 U		0.69 U	0.45 U
OTHER ANALYSES							
Nitrate/Nitrite-Nitrogen	mg/Kg						
Total Petroleum Hydrocarbons	mg/Kg	1790		440		7870	47
Total Solids	%W/W	89.1		81.9		67.4	84.6

SENECA ARMY DEPOT
SEAD-59 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

MATRIX LOCATION	WATER	WATER	WATER	WATER
SAMPLE DATE	SEAD-59	SEAD-59	SEAD-59	SEAD-59
ES ID	MW59-1	MW59-4	MW59-2	MW59-3
LAB ID	216048	218049	227726	227727
SDG NUMBER	43179	43179	45448	45448
COMPOUND	UNITS	MW59-1DUP		
VOLATILE ORGANICS				
Chloromethane	ug/L	10 U	10 UJ	10 U
Bromomethane	ug/L	10 U	10 UJ	10 U
Vinyl Chloride	ug/L	10 U	10 UJ	10 U
Chloroethane	ug/L	10 U	10 UJ	10 U
Methylene Chloride	ug/L	10 U	10 UJ	10 U
Acetone	ug/L	10 U	10 UJ	10 U
Carbon Disulfide	ug/L	10 U	10 UJ	10 U
1,1-Dichloroethene	ug/L	10 U	10 UJ	10 U
1,1-Dichloroethane	ug/L	10 U	10 UJ	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 UJ	10 U
Chloroform	ug/L	10 U	10 UJ	10 U
1,2-Dichloroethane	ug/L	10 U	10 UJ	10 U
2-Butanone	ug/L	10 U	10 UJ	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 UJ	10 U
Carbon Tetrachloride	ug/L	10 U	10 UJ	10 U
Bromochloromethane	ug/L	10 U	10 UJ	10 U
1,2-Dichloropropane	ug/L	10 U	10 UJ	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 UJ	10 U
Trichloroethene	ug/L	10 U	10 UJ	10 U
Dibromochloromethane	ug/L	10 U	10 UJ	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 UJ	10 U
Benzene	ug/L	10 U	10 UJ	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 UJ	10 U
Bromoform	ug/L	10 U	10 UJ	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 UJ	10 U
2-Hexanone	ug/L	10 U	10 UJ	10 U
Tetrachloroethene	ug/L	10 U	10 UJ	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 UJ	10 U
Toluene	ug/L	10 U	10 UJ	10 U
Chlorobenzene	ug/L	10 U	10 UJ	10 U
Ethylbenzene	ug/L	10 U	10 UJ	10 U
Styrene	ug/L	10 U	10 UJ	10 U
Xylene (total)	ug/L	10 U	10 UJ	10 U
HERBICIDES				
2,4-D	ug/L			
2,4-DB	ug/L			
2,4,5-T	ug/L			
2,4,5-TP (Silvex)	ug/L			
Dalapon	ug/L			
Dicamba	ug/L			
Dichloroprop	ug/L			
Dinoseb	ug/L			
MCPA	ug/L			
MCPP	ug/L			
NITROAROMATICS				
HMX	ug/L			
RDX	ug/L			
1,3,5-Trinitrobenzene	ug/L			
1,3-Dinitrobenzene	ug/L			
Tetryl	ug/L			
2,4,6-Trinitrotoluene	ug/L			
4-amino-2,6-Dinitrotoluene	ug/L			
2-amino-4,6-Dinitrotoluene	ug/L			
2,6-Dinitrotoluene	ug/L			
2,4-Dinitrotoluene	ug/L			

SENECA ARMY DEPOT
SEAD-59 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

MATRIX LOCATION	WATER SEAD-59	WATER SEAD-59	WATER SEAD-59	WATER SEAD-59
SAMPLE DATE	03/30/94	03/30/94	07/21/94	07/21/94
ES ID	MW59-1	MW59-4	MW59-2	MW59-3
LAB ID	216048	218049	227726	227727
SDG NUMBER	43179	43179	45448	45448
COMPOUND	UNITS			
SEMIVOLATILE ORGANICS				
Phenol	ug/L	10 U	2 J	1 J
bis(2-Chloroethyl) ether	ug/L	10 U	10 U	11 U
2-Chlorophenol	ug/L	10 U	10 U	11 U
1,3-Dichlorobenzene	ug/L	10 U	10 U	11 U
1,4-Dichlorobenzene	ug/L	10 U	10 U	11 U
1,2-Dichlorobenzene	ug/L	10 U	10 U	11 U
2-Methylphenol	ug/L	10 U	10 U	11 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	10 U	11 U
4-Methylphenol	ug/L	10 U	10 U	11 U
N-Nitroso-di-n-propylamine	ug/L	10 U	10 U	11 U
Hexachloroethane	ug/L	10 U	10 U	11 U
Nitrobenzene	ug/L	10 U	10 U	11 U
Isophorone	ug/L	10 U	10 U	11 U
2-Nitrophenol	ug/L	10 U	10 U	11 U
2,4-Dimethylphenol	ug/L	10 U	10 U	11 U
bis(2-Chloroethoxy) methane	ug/L	10 U	10 U	11 U
2,4-Dichlorophenol	ug/L	10 U	10 U	11 U
1,2,4-Trichlorobenzene	ug/L	10 U	10 U	11 U
Naphthalene	ug/L	10 U	10 U	11 U
4-Chloroaniline	ug/L	10 U	10 U	11 U
Hexachlorobutadiene	ug/L	10 U	10 U	11 U
4-Chloro-3-methylphenol	ug/L	10 U	10 U	11 U
2-Methylnaphthalene	ug/L	10 U	10 U	11 U
Hexachlorocyclopentadiene	ug/L	10 U	10 U	11 U
2,4,6-Trichlorophenol	ug/L	10 U	10 U	11 U
2,4,5-Trichlorophenol	ug/L	25 U	26 U	26 U
2-Chloronaphthalene	ug/L	10 U	10 U	11 U
2-Nitroaniline	ug/L	25 U	26 U	26 U
Dimethylphthalate	ug/L	10 U	10 U	11 U
Acenaphthylene	ug/L	10 U	10 U	11 U
2,6-Dinitrotoluene	ug/L	10 U	10 U	11 U
3-Nitroaniline	ug/L	25 U	26 U	26 U
Acenaphthene	ug/L	10 U	10 U	11 U
2,4-Dinitrophenol	ug/L	25 U	26 U	26 U
4-Nitrophenol	ug/L	25 U	26 U	26 U
Dibenzofuran	ug/L	10 U	10 U	11 U
2,4-Dinitrotoluene	ug/L	10 U	10 U	11 U
Diethylphthalate	ug/L	10 U	10 U	11 U
4-Chlorophenyl-phenylether	ug/L	10 U	10 U	11 U
Fluorene	ug/L	10 U	10 U	11 U
4-Nitroaniline	ug/L	25 U	26 U	26 U
4,6-Dinitro-2-methylphenol	ug/L	25 U	26 U	26 U
N-Nitrosodiphenylamine	ug/L	10 U	10 U	11 U
4-Bromophenyl-phenylether	ug/L	10 U	10 U	11 U
Hexachlorobenzene	ug/L	10 U	10 U	11 U
Pentachlorophenol	ug/L	25 U	26 U	26 U
Phenanthrene	ug/L	10 U	10 U	11 U
Anthracene	ug/L	10 U	10 U	11 U
Carbazole	ug/L	10 U	10 U	11 U
Di-n-butylphthalate	ug/L	10 U	10 U	11 U
Fluoranthene	ug/L	10 U	10 U	11 U
Pyrene	ug/L	10 U	10 U	11 U
Butylbenzylphthalate	ug/L	10 U	10 U	11 U
3,3'-Dichlorobenzidine	ug/L	10 U	10 U	11 U
Benzo(a)anthracene	ug/L	10 U	10 U	11 U
Chrysene	ug/L	10 U	10 U	11 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	10 U	11 U
Di-n-octylphthalate	ug/L	10 U	10 U	11 U
Benzo(b)fluoranthene	ug/L	10 U	10 U	11 U
Benzo(k)fluoranthene	ug/L	10 U	10 U	11 U
Benzo(a)pyrene	ug/L	10 U	10 U	11 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	10 U	11 U
Dibenz(a,h)anthracene	ug/L	10 U	10 U	11 U
Benzo(g,h,i)perylene	ug/L	10 U	10 U	11 U

SENECA ARMY DEPOT
SEAD-59 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER
	LOCATION	SEAD-59	SEAD-59	SEAD-59	SEAD-59
	SAMPLE DATE	03/30/94	03/30/94	07/21/94	07/21/94
	ES ID	MW59-1	MW59-4	MW59-2	MW59-3
	LAB ID	216048	218049	227726	227727
	SDG NUMBER	43179	43179	45448	45448
	UNITS		MW59-1DUP		
PESTICIDES/PCB					
alpha-BHC	ug/L	0.052 U		0.052 U	0.052 U
beta-BHC	ug/L	0.052 U		0.052 U	0.052 U
delta-BHC	ug/L	0.052 U		0.052 U	0.052 U
gamma-BHC (Lindane)	ug/L	0.052 U		0.052 U	0.052 U
Heptachlor	ug/L	0.052 U		0.052 U	0.052 U
Aldrin	ug/L	0.052 U		0.052 U	0.052 U
Heptachlor epoxide	ug/L	0.052 U		0.052 U	0.052 U
Endosulfan I	ug/L	0.052 U		0.052 U	0.052 U
Dieldrin	ug/L	0.1 U		0.1 U	0.1 U
4,4'-DDE	ug/L	0.1 U		0.1 U	0.1 U
Endrin	ug/L	0.1 U		0.1 U	0.1 U
Endosulfan II	ug/L	0.1 U		0.1 U	0.1 U
4,4'-DDD	ug/L	0.1 U		0.1 U	0.1 U
Endosulfan sulfate	ug/L	0.1 U		0.1 U	0.1 U
4,4'-DDT	ug/L	0.1 U		0.1 U	0.1 U
Methoxychlor	ug/L	0.52 U		0.52 U	0.52 U
Endrin ketone	ug/L	0.1 U		0.1 U	0.1 U
Endrin aldehyde	ug/L	0.1 U		0.1 U	0.1 U
alpha-Chlordane	ug/L	0.052 U		0.052 U	0.052 U
gamma-Chlordane	ug/L	0.052 U		0.052 U	0.052 U
Toxaphene	ug/L	5.2 U		5.2 U	5.2 U
Aroclor-1016	ug/L	1 U		1 U	1 U
Aroclor-1221	ug/L	2.1 U		2.1 U	2.1 U
Aroclor-1232	ug/L	1 U		1 U	1 U
Aroclor-1242	ug/L	1 U		1 U	1 U
Aroclor-1248	ug/L	1 U		1 U	1 U
Aroclor-1254	ug/L	1 U		1 U	1 U
Aroclor-1260	ug/L	1 U		1 U	1 U
METALS					
Aluminum	ug/L	1940		299	2680
Antimony	ug/L	0.99 U		1.3 U	1.3 U
Arsenic	ug/L	2 J		2 U	2 U
Barium	ug/L	102 J		99.6 J	103 J
Beryllium	ug/L	0.06 U		0.1 U	0.1 U
Cadmium	ug/L	0.1 U		0.2 U	0.2 U
Calcium	ug/L	140000		125000	146000
Chromium	ug/L	3.4 J		0.78 J	3.6 J
Cobalt	ug/L	3.5 J		1.1 J	2.1 J
Copper	ug/L	4.3 J		0.5 U	3.6 J
Iron	ug/L	3120		731 J	3940 J
Lead	ug/L	2.4 J		0.9 U	1.5 J
Magnesium	ug/L	29000		29200	21200
Manganese	ug/L	780		109	253
Mercury	ug/L	0.03 U		0.05 J	0.06 J
Nickel	ug/L	7.6 J		1.9 J	6.7 J
Potassium	ug/L	2110 J		2640 J	4150 J
Selenium	ug/L	1.7 U		2.7 U	2.7 U
Silver	ug/L	0.7 U		0.5 U	0.5 U
Sodium	ug/L	66000		32100	239000
Thallium	ug/L	1.6 U		4 J	2.8 J
Vanadium	ug/L	3.4 J		1.1 J	4.7 J
Zinc	ug/L	21.8		4 J	26.2
Cyanide	ug/L	5 U		5 UJ	5 UJ
OTHER ANALYSES					
Nitrate/Nitrite-Nitrogen	mg/L				
Total Petroleum Hydrocarbons	mg/L	1.16 J	2.6 J	1.38	0.34 U
pH	Standard Units	7.2		7.9	7.1
Conductivity	umhos/cm	650		750	1600
Temperature	°C	3.9		14.6	17.8
Turbidity	NTU	148		14	56

SENECA ARMY DEPOT
SEAD-60 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SOIL SEAD-60 0-0.2 05/27/94 SB60-1-00 222473 44410	SOIL SEAD-60 0-0.2 05/27/94 SB60-1-20 222475 44410 SB60-1-00DUP	SOIL SEAD-60 0-2 02/26/94 SB60-1.01 212883 42510	SOIL SEAD-60 2-4 02/26/94 SB60-1.02 212884 42510	SOIL SEAD-60 2-4 02/28/94 SB60-1.20 212886 42510 SB60-1.02DUP	SOIL SEAD-60 0-0.2 06/07/94 SB60-2-00 223339 44410	SOIL SEAD-60 0-0.2 06/07/94 SB60-2-20 223342 44665 SB60-2-00DUP	SOIL SEAD-60 0-0.2 06/07/94 SB60-2-20RE 223342 44665 SB60-2-00DUP	SOIL SEAD-60 0-0.2 06/07/94 SB60-2-00RE 223339 44410	SOIL SEAD-60 0-0.2 06/08/94 SB60-2-00RE 223339 44410	SOIL SEAD-60 2-4 06/08/94 SB60-2-00RE 223513 44694
VOLATILE ORGANICS											
Chloromethane	ug/Kg	12 U	12 U	11 U	11 U	11 UJ	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Bromomethane	ug/Kg	12 U	12 U	11 U	11 U	11 UJ	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Vinyl Chloride	ug/Kg	12 U	12 U	11 U	11 U	11 UJ	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Chloroethane	ug/Kg	12 U	12 U	11 U	11 U	11 UJ	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Methylene Chloride	ug/Kg	12 U	12 U	11 U	11 U	11 UJ	11 UJ	2 J	27 J	11 UJ	11 U
Acetone	ug/Kg	12 U	12 U	11 U	11 U	11 U	180 J	12 UJ	49 UJ	170 J	11 U
Carbon Disulfide	ug/Kg	12 U	12 U	11 U	11 U	11 U	1 J	11 UJ	49 UJ	11 UJ	11 U
1,1-Dichloroethane	ug/Kg	12 U	12 U	11 U	11 U	11 UJ	11 UJ	11 UJ	49 UJ	11 UJ	11 U
1,1-Dichloroethane	ug/Kg	12 U	12 U	11 U	11 U	11 UJ	11 UJ	11 UJ	49 UJ	11 UJ	11 U
1,2-Dichloroethane (total)	ug/Kg	12 U	12 U	11 U	11 U	11 UJ	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Chloroform	ug/Kg	12 U	12 U	11 U	11 U	11 UJ	11 UJ	11 UJ	49 UJ	11 UJ	11 U
1,2-Dichloroethane	ug/Kg	12 U	12 U	11 U	11 U	11 UJ	11 UJ	11 UJ	49 UJ	11 UJ	11 U
2-Butanone	ug/Kg	12 U	12 U	11 U	11 U	11 U	20 J	11 UJ	49 UJ	26 J	11 U
1,1,1-Trichloroethane	ug/Kg	12 U	12 U	11 U	11 U	11 UJ	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Carbon Tetrachloride	ug/Kg	12 U	12 U	11 U	11 U	11 UJ	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Bromodichloromethane	ug/Kg	12 U	12 U	11 U	11 U	11 UJ	11 UJ	11 UJ	49 UJ	11 UJ	11 U
1,2-Dichloropropane	ug/Kg	12 U	12 U	11 U	11 U	11 UJ	11 UJ	11 UJ	49 UJ	11 UJ	11 U
cis-1,3-Dichloropropene	ug/Kg	12 U	12 U	11 U	11 U	11 UJ	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Trichloroethene	ug/Kg	12 U	12 U	11 U	11 U	11 UJ	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Dibromochloromethane	ug/Kg	12 U	12 U	11 U	11 U	11 UJ	11 UJ	11 UJ	49 UJ	11 UJ	11 U
1,1,2-Trichloroethane	ug/Kg	12 U	12 U	11 U	11 U	11 UJ	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Benzene	ug/Kg	12 U	12 U	11 U	11 U	11 UJ	11 UJ	11 UJ	49 UJ	11 UJ	11 U
trans-1,3-Dichloropropene	ug/Kg	12 U	12 U	11 U	11 U	11 UJ	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Bromoform	ug/Kg	12 U	12 U	11 U	11 U	11 UJ	11 UJ	11 UJ	49 UJ	11 UJ	11 U
4-Methyl-2-Pentanone	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 U	11 UJ	49 UJ	11 UJ	11 U
2-Hexanone	ug/Kg	12 U	12 U	11 U	11 U	1 J	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Tetrachloroethene	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Toluene	ug/Kg	12 U	12 U	11 U	11 U	11 U	6 J	13 J	5 J	13 J	2 J
Chlorobenzene	ug/Kg	12 U	12 U	11 U	11 U	11 UJ	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Ethylbenzene	ug/Kg	12 U	12 U	11 U	11 U	11 U	2 J	2 J	49 UJ	4 J	11 U
Styrene	ug/Kg	12 U	12 U	11 U	11 U	11 UJ	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Xylene (total)	ug/Kg	12 U	12 U	11 U	11 U	11 U	5 J	11 UJ	49 UJ	9 J	11 U
HERBICIDES											
2,4-D	ug/Kg										
2,4-DB	ug/Kg										
2,4,5-T	ug/Kg										
2,4,5-TP (Silvex)	ug/Kg										
Dalapon	ug/Kg										
Dicamba	ug/Kg										
Dichloroprop	ug/Kg										
Dinoseb	ug/Kg										
MCPA	ug/Kg										
MCPP	ug/Kg										
NITROAROMATICS											
HMX	ug/Kg										
RDX	ug/Kg										
1,3,5-Trinitrobenzene	ug/Kg										
1,3-Dinitrobenzene	ug/Kg										
Tetryl	ug/Kg										
2,4,6-Trinitrotoluene	ug/Kg										
4-amino-2,6-Dinitrotoluene	ug/Kg										
2-amino-4,6-Dinitrotoluene	ug/Kg										
2,6-Dinitrotoluene	ug/Kg										
2,4-Dinitrotoluene	ug/Kg										

SENECA ARMY DEPOT
SEAD-60 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-60 0-0.2 05/27/94 SB60-1-00 222473 44410	SOIL SEAD-60 0-0.2 05/27/94 SB60-1-20 222475 44410	SOIL SEAD-60 0-2 02/28/94 SB80-1.01 42510	SOIL SEAD-60 2-4 02/28/94 SB60-1.02 212884 42510	SOIL SEAD-60 2-4 02/28/94 SB60-1.20 212888 42510	SOIL SEAD-60 0-0.2 06/07/94 SB80-2-00 223339 44410	SOIL SEAD-60 0-0.2 06/07/94 SB60-2-20 223342 44665	SOIL SEAD-60 0-0.2 06/07/94 SB60-2-20RE 223342 44665	SOIL SEAD-60 0-0.2 06/07/94 SB60-2-00RE 223339 44410	SOIL SEAD-60 2-4 06/08/94 SB60-2-01 223513 44694
SEMIVOLATILE ORGANICS										
Phenol	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
bis(2-Chloroethyl) ether	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
2-Chlorophenol	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
1,3-Dichlorobenzene	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
1,4-Dichlorobenzene	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
1,2-Dichlorobenzene	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
2-Methylphenol	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
2,2'-oxybis(1-Chloropropane)	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
4-Methylphenol	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
N-Nitroso-d-n-propylamine	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Hexachloroethane	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Nitrobenzene	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Isophorone	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
2-Nitrophenol	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
2,4-Dimethylphenol	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
bis(2-Chloroethoxy) methane	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
2,4-Dichlorophenol	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
1,2,4-Trichlorobenzene	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Naphthalene	ug/Kg 390 U	38 J	370 U	370 U	390 U	18000 U	14000 U			360 U
4-Chloroaniline	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Hexachlorobutadiene	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
4-Chloro-3-methylphenol	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
2-Methylnaphthalene	ug/Kg 390 U	390 U	370 U	370 U	390 U	1100 J	14000 U			380 U
Hexachlorocyclopentadiene	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
2,4,8-Trichlorophenol	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
2,4,5-Trichlorophenol	ug/Kg 940 U	940 U	910 U	910 U	950 U	44000 U	35000 U			870 U
2-Chloronaphthalene	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
2-Nitroaniline	ug/Kg 940 U	940 U	910 U	910 U	950 U	44000 U	35000 U			870 U
Dimethylphthalate	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Acenaphthylene	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
2,6-Dinitrotoluene	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
3-Nitroaniline	ug/Kg 940 U	940 U	910 U	910 U	950 U	44000 U	35000 U			870 U
Acenaphthene	ug/Kg 390 U	59 J	370 U	370 U	390 U	18000 U	1400 J			360 U
2,4-Dinitrophenol	ug/Kg 940 U	940 U	910 U	910 U	950 U	44000 U	35000 U			870 U
4-Nitrophenol	ug/Kg 940 U	940 U	910 U	910 U	950 U	44000 U	35000 U			870 U
Dibenzofuran	ug/Kg 390 U	29 J	370 U	370 U	390 U	18000 U	14000 U			360 U
2,4-Dinitrotoluene	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Diethylphthalate	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
4-Chlorophenyl-phenylether	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Fluorene	ug/Kg 390 U	48 J	370 U	370 U	390 U	18000 U	1300 J			360 U
4-Nitroaniline	ug/Kg 940 U	940 U	910 U	910 U	950 U	44000 U	35000 U			870 U
4,6-Dinitro-2-methylphenol	ug/Kg 940 U	940 U	910 U	910 U	950 U	44000 U	35000 U			870 U
N-Nitrosodiphenylamine	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
4-Bromophenyl-phenylether	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Hexachlorobenzene	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Pentachlorophenol	ug/Kg 940 U	940 U	910 U	910 U	950 U	44000 U	35000 U			870 U
Phenanthrene	ug/Kg 140 J	570 J	25 J	370 U	390 U	5100 J	8900 J			360 U
Anthracene	ug/Kg 28 J	98 J	370 U	370 U	390 U	18000 U	2000 J			360 U
Carbazole	ug/Kg 390 U	79 J	370 U	370 U	390 U	18000 U	14000 U			360 U
Di-n-butylphthalate	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	1500 J			360 U
Fluoranthene	ug/Kg 480 J	1100 J	33 J	370 U	390 U	7300 J	14000 J			27 J
Pyrene	ug/Kg 350 J	700 J	31 J	37 J	27 J	10000 J	27000 J			27 J
Butylbenzylphthalate	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
3,3'-Dichlorobenzidine	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Benzo(a)anthracene	ug/Kg 200 J	340 J	370 U	370 U	390 U	18000 U	14000 U			360 U
Chrysene	ug/Kg 250 J	400 J	370 U	370 U	390 U	18000 U	17000 J			18 J
bis(2-Ethylhexyl)phthalate	ug/Kg 42 J	54 J	370 U	370 U	380 J	18000 U	14000 U			360 U
Di-n-octylphthalate	ug/Kg 390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Benzo(b)fluoranthene	ug/Kg 310 J	730 J	370 U	370 U	390 U	18000 U	16000 J			360 U
Benzo(k)fluoranthene	ug/Kg 190 J	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Benzo(a)pyrene	ug/Kg 230 J	350 J	370 U	370 U	390 U	18000 U	14000 U			360 U
Indeno(1,2,3-cd)pyrene	ug/Kg 150 J	220 J	370 U	370 U	390 U	18000 U	14000 U			360 U
Dibenz(a,h)anthracene	ug/Kg 91 J	110 J	370 U	370 U	390 U	18000 U	14000 U			360 U
Benzo(g,h,i)perylene	ug/Kg 220 J	190 J	370 U	370 U	390 U	18000 U	14000 U			360 U

SENECA ARMY DEPOT
SEAD-60 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-60	SOIL SEAD-60	SOIL SEAD-60	SOIL SEAD-60	SOIL SEAD-60	SOIL SEAD-60	SOIL SEAD-60	SOIL SEAD-60	SOIL SEAD-60	SOIL SEAD-60	SOIL SEAD-60
UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
COMPONENT	44410	44410	42510	42510	42510	42510	44410	44665	44665	44410	44694
PESTICIDES/PCB		SB60-1-00DUP			SB60-1.02DUP			SB60-2-00DUP	SB60-2-00DUP		
alpha-BHC	ug/Kg	4 UJ	2 UJ	1.9 U	1.9 U	2 U	9.4 U	5 J			1.8 U
beta-BHC	ug/Kg	4 UJ	2 UJ	1.9 U	1.9 U	2 U	9.4 U	9.2 U			1.8 U
delta-BHC	ug/Kg	4 UJ	2 UJ	1.9 U	1.9 U	2 U	9.4 U	9.2 U			1.8 U
gamma-BHC (Lindane)	ug/Kg	4 UJ	2 UJ	1.9 U	1.9 U	2 U	9.4 U	9.2 U			1.8 U
Heptachlor	ug/Kg	4 UJ	2 UJ	1.9 U	1.9 U	2 U	9.4 U	9.2 U			1.8 U
Aldrin	ug/Kg	4 UJ	2 UJ	1.9 U	1.9 U	2 U	16 J	14 J			1.8 U
Heptachlor epoxide	ug/Kg	4 UJ	2 UJ	1.9 U	1.9 U	2 U	9.4 U	9.2 U			1.8 U
Endosulfan I	ug/Kg	3.2 J	2.2 J	1.9 U	1.9 U	2 U	31 J	34 J			1.8 U
Dieldrin	ug/Kg	7.8 UJ	3.9 UJ	3.7 U	3.7 U	3.9 U	18 U	18 U			3.6 U
4,4'-DDE	ug/Kg	110 J	57 J	2.7 J	2.7 J	3.9 U	26 J	31 J			3.6 U
Endrin	ug/Kg	7.8 UJ	3.9 UJ	3.7 U	3.7 U	3.9 U	18 U	18 U			3.6 U
Endosulfan II	ug/Kg	7.8 UJ	3.9 UJ	3.7 U	3.7 U	3.9 U	18 U	18 U			3.6 U
4,4'-DDD	ug/Kg	7.8 UJ	3.9 UJ	3.7 U	3.7 U	3.9 U	49 J	55 J			3.6 U
Endosulfan sulfate	ug/Kg	7.8 UJ	3.9 UJ	3.7 U	3.7 U	3.9 U	18 U	18 U			3.6 U
4,4'-DDT	ug/Kg	84 J	8.7 J	3.7 U	3.7 U	3.9 U	130 J	100			3.6 U
Methoxychlor	ug/Kg	40 UJ	20 UJ	19 U	19 U	20 U	94 U	92 U			18 U
Endrin ketone	ug/Kg	7.8 UJ	3.9 UJ	3.7 U	3.7 U	3.9 U	14 J	13 J			3.6 U
Endrin aldehyde	ug/Kg	7.8 UJ	3.9 UJ	3.7 U	3.7 U	3.9 U	18 U	18 U			3.6 U
alpha-Chlordane	ug/Kg	4 UJ	2 UJ	1.9 U	1.9 U	2 U	27 J	26 J			1.8 U
gamma-Chlordane	ug/Kg	4 UJ	2 UJ	1.9 U	1.9 U	2 U	9.8 J	10 J			1.8 U
Toxaphene	ug/Kg	400 UJ	200 UJ	190 U	190 U	200 U	940 U	920 U			180 U
Aroclor - 1016	ug/Kg	78 UJ	39 UJ	37 U	37 U	39 U	180 U	180 U			36 U
Aroclor - 1221	ug/Kg	160 UJ	79 UJ	76 U	76 U	80 U	370 U	360 U			73 U
Aroclor - 1232	ug/Kg	78 UJ	39 UJ	37 U	37 U	39 U	180 U	180 U			36 U
Aroclor - 1242	ug/Kg	78 UJ	39 UJ	37 U	37 U	39 U	180 U	970 J			36 U
Aroclor - 1248	ug/Kg	78 UJ	39 UJ	37 U	37 U	39 U	2100 J	180 U			36 U
Aroclor - 1254	ug/Kg	78 UJ	39 UJ	37 U	37 U	39 U	180 U	180 U			36 U
Aroclor - 1260	ug/Kg	78 UJ	39 UJ	37 U	37 U	39 U	4400 J	3400			36 U
METALS											
Aluminum	mg/Kg	10700	10800	8440	13300	10500	9300	9420			6850 J
Antimony	mg/Kg	0.28 J	0.28 UJ	0.43 J	0.36 J	0.2 UJ	1.8 J	0.27 J			0.29 J
Arsenic	mg/Kg	5.3	5.1	4.1 J	6.2 J	4.7 J	8.1	5.5			4.6
Barium	mg/Kg	71.5	77.6	98.3	85.8	68.6	679	575			71.7 J
Beryllium	mg/Kg	0.46 J	0.47 J	0.43 J	0.67 J	0.49 J	0.38 J	0.42 J			0.26 J
Cadmium	mg/Kg	0.58 J	0.43 J	0.36 J	0.27 J	0.24 J	2	1.2			0.32 J
Calcium	mg/Kg	65800	63600	75100	39500	64000	56200	45900 J			90900 J
Chromium	mg/Kg	17.7	18.3	14.2	19.4	16.6	18.8	16			12 J
Cobalt	mg/Kg	9.8	9.4 J	8.3 J	10.8	9.7 J	9.5 J	7.5 J			8.1 J
Copper	mg/Kg	24.9	23	21.3	21.7	20.8	190	112			16.6 J
Iron	mg/Kg	22000	22800	16900	23900	21000	22800	18200			15600 J
Lead	mg/Kg	17.1	14.2	47.5 J	12.6 J	9.4 J	66.7	36.3			7.2
Magnesium	mg/Kg	13300	12200	11300	10400	17200	9150	12200			25400 J
Manganese	mg/Kg	422	377	333	360	431	317	305			536 J
Mercury	mg/Kg	0.06 J	0.05 J	0.08 J	0.03 J	0.02 J	0.03 J	0.01 U			0.03 J
Nickel	mg/Kg	30.9	30.2	23.5	29.1	27.7	29.5	23			23.5 J
Potassium	mg/Kg	1830 J	1920 J	1470	1620	1820	1870 J	1770 J			1860
Selenium	mg/Kg	0.43 U	0.58 U	0.32 U	0.31 U	0.34 U	1.5 J	0.86 J			0.54 U
Silver	mg/Kg	0.08 UJ	0.11 UJ	0.13 U	0.13 U	0.14 U	0.1 UJ	0.08 UJ			0.1 UJ
Sodium	mg/Kg	93.4 J	105 J	75 J	99.8 J	129 J	127 J	106 J			119 J
Thallium	mg/Kg	0.3 U	0.41 U	0.25 U	0.14 U	0.26 U	0.39 U	0.31 U			0.38 U
Vanadium	mg/Kg	17.9	18.6	14.8	21.9	17	21.2	18.1			13.7 J
Zinc	mg/Kg	85	79.7	58.6	80.7	101	569	415			43.7 J
Cyanide	mg/Kg	0.58 U	0.46 U	0.52 U	0.52 U	0.59 U	0.48 U	0.51 U			0.48 U
OTHER ANALYSES											
Nitrate/Nitrite - Nitrogen	mg/Kg	30 U	87 J	29 U	87 J	27 U	208000	218000			283
Total Petroleum Hydrocarbons	mg/Kg	85.4	85.2	88.4	87.7	83.8	90.1	92.5			91.8
Total Solids	%W/W										

SENECA ARMY DEPOT
SEAD-60 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID ? LAB ID SDG NUMBER	SOIL SEAD-60 6-8 06/07/94 SB60-2-04 223340 44665	SOIL SEAD-60 6-8 06/07/94 SB60-2-04RE 223340 44665	SOIL SEAD-60 0-0.2 06/08/94 SB60-3.00 223499 44665	SOIL SEAD-60 4-6 06/08/94 SB60-3.03 223500 44665	SOIL SEAD-60 6-8 06/08/94 SB60-3.04 223501 44665
COMPOUND UNITS					
VOLATILE ORGANICS					
Chloromethane	ug/Kg	11 U R	14 U	11 U	11 U
Bromomethane	ug/Kg	11 U R	14 U	11 U	11 U
Vinyl Chloride	ug/Kg	11 U R	14 U	11 U	11 U
Chloroethane	ug/Kg	11 U R	14 U	11 U	11 U
Methylene Chloride	ug/Kg	3 J	21	54	1 J
Acetone	ug/Kg	11 U R	14 U	11 U	11 U
Carbon Disulfide	ug/Kg	11 U R	14 U	11 U	2 J
1,1-Dichloroethene	ug/Kg	11 U R	14 U	11 U	11 U
1,1-Dichloroethane	ug/Kg	11 U R	14 U	11 U	11 U
1,2-Dichloroethene (total)	ug/Kg	11 U R	14 U	11 U	11 U
Chloroform	ug/Kg	11 U R	14 U	11 U	11 U
1,2-Dichloroethane	ug/Kg	11 U R	14 U	11 U	11 U
2-Butanone	ug/Kg	11 U R	14 U	11 U	11 U
1,1,1-Trichloroethane	ug/Kg	11 U R	14 U	11 U	11 U
Carbon Tetrachloride	ug/Kg	11 U R	14 U	11 U	11 U
Bromodichloromethane	ug/Kg	11 U R	14 U	11 U	11 U
1,2-Dichloropropane	ug/Kg	11 U R	14 U	11 U	11 U
cis-1,3-Dichloropropene	ug/Kg	11 U R	14 U	11 U	11 U
Trichloroethene	ug/Kg	11 U R	14 U	11 U	11 U
Dibromochloromethane	ug/Kg	11 U R	14 U	11 U	11 U
1,1,2-Trichloroethane	ug/Kg	11 U R	14 U	11 U	11 U
Benzene	ug/Kg	11 U R	14 U	11 U	11 U
trans-1,3-Dichloropropene	ug/Kg	11 U R	14 U	11 U	11 U
Bromoform	ug/Kg	11 U R	14 U	11 U	11 U
4-Methyl-2-Pentanone	ug/Kg	11 U R	14 U	11 U	11 U
2-Hexanone	ug/Kg	11 U R	14 U	11 U	11 U
Tetrachloroethene	ug/Kg	3 J	14 U	11 U	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	11 U R	14 U	11 U	11 U
Toluene	ug/Kg	2 J	14 U	11 U	11 U
Chlorobenzene	ug/Kg	11 U R	14 U	11 U	11 U
Ethylbenzene	ug/Kg	11 U R	14 U	11 U	11 U
Styrene	ug/Kg	11 U R	14 U	11 U	11 U
Xylene (total)	ug/Kg	11 U R	14 U	11 U	11 U
HERBICIDES					
2,4-D	ug/Kg				
2,4-DB	ug/Kg				
2,4,5-T	ug/Kg				
2,4,5-TP (Silvex)	ug/Kg				
Dalapon	ug/Kg				
Dicamba	ug/Kg				
Dichloroprop	ug/Kg				
Dinoseb	ug/Kg				
MCPA	ug/Kg				
MCPP	ug/Kg				
NITROAROMATICS					
HMX	ug/Kg				
RDX	ug/Kg				
1,3,5-Trinitrobenzene	ug/Kg				
1,3-Dinitrobenzene	ug/Kg				
Tetryl	ug/Kg				
2,4,6-Trinitrotoluene	ug/Kg				
4-amino-2,6-Dinitrotoluene	ug/Kg				
2-amino-4,6-Dinitrotoluene	ug/Kg				
2,6-Dinitrotoluene	ug/Kg				
2,4-Dinitrotoluene	ug/Kg				

SENECA ARMY DEPOT
SEAD-60 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-60 6-8 06/07/94 SB60-2-04 223340 44665	SOIL SEAD-60 6-8 06/07/94 SB60-2-04RE 223340 44665	SOIL SEAD-60 0-0.2 06/08/94 SB60-3.00 223499 44665	SOIL SEAD-60 4-6 06/08/94 SB60-3.03 223500 44665	SOIL SEAD-60 6-8 06/08/94 SB60-3.04 223501 44665
COMPOUND					
SEMIVOLATILE ORGANICS					
Phenol	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
bis(2-Chloroethyl) ether	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
2-Chlorophenol	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
1,3-Dichlorobenzene	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
1,4-Dichlorobenzene	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
1,2-Dichlorobenzene	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
2-Methylphenol	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
2,2'-oxybis(1-Chloropropane)	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
4-Methylphenol	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
N-Nitroso-di-n-propylamine	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
Hexachloroethane	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
Nitrobenzene	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
Isophorone	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
2-Nitrophenol	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
2,4-Dimethylphenol	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
bis(2-Chloroethoxy) methane	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
2,4-Dichlorophenol	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
1,2,4-Trichlorobenzene	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
Naphthalene	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
4-Chloroaniline	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
Hexachlorobutadiene	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
4-Chloro-3-methylphenol	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
2-Methylnaphthalene	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
Hexachlorocyclopentadiene	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
2,4,6-Trichlorophenol	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
2,4,5-Trichlorophenol	ug/Kg 850 U	850 UJ	5400 U	860 U	850 U
2-Chloronaphthalene	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
2-Nitroaniline	ug/Kg 850 U	850 UJ	5400 U	860 U	850 U
Dimethylphthalate	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
Acenaphthylene	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
2,6-Dinitrotoluene	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
3-Nitroaniline	ug/Kg 850 U	850 UJ	5400 U	860 U	850 U
Acenaphthene	ug/Kg 350 U	32 J	2200 U	350 U	350 U
2,4-Dinitrophenol	ug/Kg 850 U	850 UJ	5400 U	860 U	850 U
4-Nitrophenol	ug/Kg 850 U	850 UJ	5400 U	880 U	850 U
Dibenzofuran	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
2,4-Dinitrotoluene	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
Diethylphthalate	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
4-Chlorophenyl-phenyl ether	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
Fluorene	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
4-Nitroaniline	ug/Kg 850 U	850 UJ	5400 U	860 U	850 U
4,6-Dinitro-2-methylphenol	ug/Kg 850 U	850 UJ	5400 U	860 U	850 U
N-Nitrosodiphenylamine	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
4-Bromophenyl-phenyl ether	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
Hexachlorobenzene	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
Pentachlorophenol	ug/Kg 850 U	850 UJ	5400 U	860 U	850 U
Phenanthrene	ug/Kg 350 U	350 UJ	680 J	350 U	350 U
Anthracene	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
Carbazole	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
Di-n-butylphthalate	ug/Kg 350 U	350 UJ	2200 U	81 J	94 J
Fluoranthene	ug/Kg 29 J	350 UJ	1300 J	350 U	350 U
Pyrene	ug/Kg 82 J	350 UJ	2000 J	350 U	350 U
Butylbenzylphthalate	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
3,3'-Dichlorobenzidine	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
Benzo(a)anthracene	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
Chrysene	ug/Kg 350 U	350 UJ	1100 J	350 U	350 U
bis(2-Ethylhexyl)phthalate	ug/Kg 43 J	350 UJ	2200 U	350 U	160 J
Di-n-octylphthalate	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
Benzo(b)fluoranthene	ug/Kg 350 U	350 UJ	1500 J	350 U	350 U
Benzo(k)fluoranthene	ug/Kg 350 U	350 UJ	2200 UJ	350 U	350 U
Benzo(a)pyrene	ug/Kg 350 U	350 UJ	2200 U	350 U	350 U
Indeno(1,2,3-cd)pyrene	ug/Kg 350 U	48 J	1100 J	350 U	350 U
Dibenz(a,h)anthracene	ug/Kg 350 U	27 J	1100 J	350 U	350 U
Benzo(g,h,i)perylene	ug/Kg 350 U	43 J	1600 J	350 U	350 U

SENECA ARMY DEPOT
SEAD-60 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION	SOIL SEAD-60	SOIL SEAD-60	SOIL SEAD-60	SOIL SEAD-60	SOIL SEAD-60
DEPTH (FEET)	6-8	6-8	0-0.2	4-6	8-8
SAMPLE DATE	06/07/94	06/07/94	06/08/94	06/08/94	08/08/94
ES ID	SB60-2-04	SB60-2-04RE	SB80-3.00	SB60-3.03	SB60-3.04
LAB ID	223340	223340	223499	223500	223501
SDG NUMBER	44665	44665	44665	44665	44665
COMPOUND	UNITS				
PESTICIDES/PCB					
alpha-BHC	ug/Kg	1.8 U	2.9 UJ	1.8 U	1.8 U
beta-BHC	ug/Kg	1.8 U	2.9 UJ	1.8 U	1.8 U
delta-BHC	ug/Kg	1.8 U	2.9 UJ	1.8 U	1.8 U
gamma-BHC (Lindane)	ug/Kg	1.8 U	2.9 UJ	1.8 U	1.8 U
Heptachlor	ug/Kg	1.8 U	2.9 UJ	1.8 U	1.8 U
Aldrin	ug/Kg	1.8 U	2.9 UJ	1.8 U	1.8 U
Heptachlor epoxide	ug/Kg	1.8 U	2.9 UJ	1.8 U	1.8 U
Endosulfan I	ug/Kg	1.8 U	6.3 J	1.8 U	1.8 U
Dieldrin	ug/Kg	3.5 U	5.6 UJ	3.5 U	3.5 U
4,4'-DDE	ug/Kg	3.5 U	26 J	3.5 U	3.5 U
Endrin	ug/Kg	3.5 U	5.6 UJ	3.5 U	3.5 U
Endosulfan II	ug/Kg	3.5 U	5.6 UJ	3.5 U	3.5 U
4,4'-DDD	ug/Kg	3.5 U	100 J	3.5 U	3.5 U
Endosulfan sulfate	ug/Kg	3.5 U	5.6 UJ	3.5 U	3.5 U
4,4'-DDT	ug/Kg	3.5 U	5.6 UJ	3.5 U	3.5 U
Methoxychlor	ug/Kg	18 U	29 UJ	18 U	18 U
Endrin ketone	ug/Kg	3.5 U	5.6 UJ	3.5 U	3.5 U
Endrin aldehyde	ug/Kg	3.5 U	5.8 UJ	3.5 U	3.5 U
alpha-Chlordane	ug/Kg	1.8 U	3 J	1.8 U	1.8 U
gamma-Chlordane	ug/Kg	1.8 U	2.9 UJ	1.8 U	1.8 U
Toxaphene	ug/Kg	180 U	290 UJ	180 U	180 U
Aroclor-1016	ug/Kg	35 U	56 UJ	35 U	35 U
Aroclor-1221	ug/Kg	71 U	110 UJ	72 U	71 U
Aroclor-1232	ug/Kg	35 U	56 UJ	35 U	35 U
Aroclor-1242	ug/Kg	35 U	56 UJ	35 U	35 U
Aroclor-1248	ug/Kg	35 U	56 UJ	35 U	35 U
Aroclor-1254	ug/Kg	35 U	56 UJ	35 U	35 U
Aroclor-1260	ug/Kg	35 U	220 J	35 U	35 U
METALS					
Aluminum	mg/Kg	8320	14100	6980	13200
Antimony	mg/Kg	0.22 UJ	0.49 J	0.26 J	0.18 UJ
Arsenic	mg/Kg	3.8	7	4	5.6
Barium	mg/Kg	90.1	416	64	50.1
Beryllium	mg/Kg	0.38 J	0.66 J	0.35 J	0.63 J
Cadmium	mg/Kg	0.33 J	1.5 J	0.35 J	0.72
Calcium	mg/Kg	72300 J	23700 J	102000 J	50600 J
Chromium	mg/Kg	14.1	23.3	12	22.7
Cobalt	mg/Kg	7.9 J	13.1 J	8.2	12.7
Copper	mg/Kg	20.5	74.1	19.8	30.6
Iron	mg/Kg	17700	25700	15500	32100
Lead	mg/Kg	9.5	50.6	8.2	15.3
Magnesium	mg/Kg	19000	8570	18000	11400
Manganese	mg/Kg	368	443	417	378
Mercury	mg/Kg	0.07 J	0.02 U	0.02 J	0.01 J
Nickel	mg/Kg	23.6	31.3	22.9	44.3
Potassium	mg/Kg	1820 J	1820 J	1690 J	1920 J
Selenium	mg/Kg	0.47 U	1.2 J	0.43 U	0.65 J
Silver	mg/Kg	0.09 UJ	0.17 UJ	0.08 UJ	0.07 UJ
Sodium	mg/Kg	119 J	118 J	113 J	140 J
Thallium	mg/Kg	0.33 U	0.84 U	0.3 U	0.26 U
Vanadium	mg/Kg	14.5	26.2	12.9	19.3
Zinc	mg/Kg	84.4	314	56.3	266
Cyanide	mg/Kg	0.43 U	0.76 U	0.46 U	0.51 U
OTHER ANALYSES					
Nitrate/Nitrite-Nitrogen	mg/Kg				
Total Petroleum Hydrocarbons	mg/Kg	332	50900	57	34
Total Solids	%W/W	94.2	59.1	93.1	93.8

SENECA ARMY DEPOT
SEAD-60 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER
	LOCATION	SEAD-60	SEAD-60	SEAD-60	SEAD-60
	SAMPLE DATE	07/07/94	07/07/94	07/07/94	03/29/94
	ES ID	MW60-1	MW60-2	MW60-5	MW60-3
	LAB ID	226301	226302	226305	215838
	SDG NUMBER	45257	45257	45257	43179
	UNITS			MW60-2DUP	
VOLATILE ORGANICS					
Chloromethane	ug/L	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U	10 U
Acetone	ug/L	48	27 J	77 J	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U
1,2-Dichloroethane (total)	ug/L	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U
Benzene	ug/L	1 J	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U	10 U
HERBICIDES					
2,4-D	ug/L				
2,4-DB	ug/L				
2,4,5-T	ug/L				
2,4,5-TP (Silvex)	ug/L				
Daapron	ug/L				
Dicamba	ug/L				
Dichloroprop	ug/L				
Dinoseb	ug/L				
MCPA	ug/L				
MCPP	ug/L				
NITROAROMATICS					
HMX	ug/L				
RDX	ug/L				
1,3,5-Trinitrobenzene	ug/L				
1,3-Dinitrobenzene	ug/L				
Tetryl	ug/L				
2,4,6-Trinitrotoluene	ug/L				
4-amino-2,6-Dinitrotoluene	ug/L				
2-amino-4,6-Dinitrotoluene	ug/L				
2,6-Dinitrotoluene	ug/L				
2,4-Dinitrotoluene	ug/L				

SENECA ARMY DEPOT
SEAD-60 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

MATRIX LOCATION	WATER	WATER	WATER	WATER
SAMPLE DATE	SEAD-60	SEAD-60	SEAD-60	SEAD-60
ES ID	07/07/94	07/07/94	07/07/94	03/29/94
LAB ID	MW60-1	MW60-2	MW60-5	MW60-3
SDG NUMBER	226301	226302	226305	215838
UNITS	45257	45257	45257	43179
COMPOUND			MW60-2DUP	
SEMIVOLATILE ORGANICS				
Phenol	ug/L	10 U	10 U	11 U
bis(2-Chloroethyl) ether	ug/L	10 U	10 U	11 U
2-Chlorophenol	ug/L	10 U	10 U	11 U
1,3-Dichlorobenzene	ug/L	10 U	10 U	11 U
1,4-Dichlorobenzene	ug/L	10 U	10 U	11 U
1,2-Dichlorobenzene	ug/L	10 U	10 U	11 U
2-Methylphenol	ug/L	10 U	10 U	11 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	10 U	11 U
4-Methylphenol	ug/L	10 U	10 U	11 U
N-Nitroso-d-n-propylamine	ug/L	10 U	10 U	11 U
Hexachloroethane	ug/L	10 U	10 U	11 U
Nitrobenzene	ug/L	10 U	10 U	11 U
Isophorone	ug/L	10 U	10 U	11 U
2-Nitrophenol	ug/L	10 U	10 U	11 U
2,4-Dimethylphenol	ug/L	10 U	10 U	11 U
bis(2-Chloroethoxy) methane	ug/L	10 U	10 U	11 U
2,4-Dichlorophenol	ug/L	10 U	10 U	11 U
1,2,4-Trichlorobenzene	ug/L	10 U	10 U	11 U
Naphthalene	ug/L	10 U	10 U	11 U
4-Chloroaniline	ug/L	10 U	10 U	11 U
Hexachlorobutadiene	ug/L	10 U	10 U	11 U
4-Chloro-3-methylphenol	ug/L	10 U	10 U	11 U
2-Methylnaphthalene	ug/L	10 U	10 U	11 U
Hexachlorocyclopentadiene	ug/L	10 U	10 U	11 U
2,4,6-Trichlorophenol	ug/L	10 U	10 U	11 U
2,4,5-Trichlorophenol	ug/L	25 U	28 U	28 U
2-Chloronaphthalene	ug/L	10 U	10 U	11 U
2-Nitroaniline	ug/L	25 U	28 U	28 U
Dimethylphthalate	ug/L	10 U	10 U	11 U
Acenaphthylene	ug/L	10 U	10 U	11 U
2,6-Dinitrotoluene	ug/L	10 U	10 U	11 U
3-Nitroaniline	ug/L	25 U	26 U	28 U
Acenaphthene	ug/L	10 U	10 U	11 U
2,4-Dinitrophenol	ug/L	25 U	26 U	28 U
4-Nitrophenol	ug/L	25 U	26 U	28 U
Dibenzofuran	ug/L	10 U	10 U	11 U
2,4-Dinitrotoluene	ug/L	10 U	10 U	11 U
Diethylphthalate	ug/L	10 U	10 U	11 U
4-Chlorophenyl-phenylether	ug/L	10 U	10 U	11 U
Fluorene	ug/L	10 U	10 U	11 U
4-Nitroaniline	ug/L	25 U	26 U	28 U
4,6-Dinitro-2-methylphenol	ug/L	25 U	26 U	28 U
N-Nitrosodiphenylamine	ug/L	10 U	10 U	11 U
4-Bromophenyl-phenylether	ug/L	10 U	10 U	11 U
Hexachlorobenzene	ug/L	10 U	10 U	11 U
Pentachlorophenol	ug/L	25 U	26 U	28 U
Phenanthrene	ug/L	10 U	10 U	11 U
Anthracene	ug/L	10 U	10 U	11 U
Carbazole	ug/L	10 U	10 U	11 U
Di-n-butylphthalate	ug/L	10 U	10 U	11 U
Fluoranthene	ug/L	10 U	10 U	11 U
Pyrene	ug/L	10 U	10 U	11 U
Butylbenzylphthalate	ug/L	10 U	10 U	11 U
3,3'-Dichlorobenzidine	ug/L	10 U	10 U	11 U
Benzo(a)anthracene	ug/L	10 U	10 U	11 U
Chrysene	ug/L	10 U	10 U	11 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	25 U	11 U
Di-n-octylphthalate	ug/L	10 U	10 U	11 U
Benzo(b)fluoranthene	ug/L	10 U	10 U	11 U
Benzo(k)fluoranthene	ug/L	10 U	10 U	11 U
Benzo(a)pyrene	ug/L	10 U	10 U	11 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	10 U	11 U
Dibenz(a,h)anthracene	ug/L	10 U	10 U	11 U
Benzo(g,h,i)perylene	ug/L	10 U	10 U	11 U

SENECA ARMY DEPOT
SEAD-60 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER
	LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SEAD-60 07/07/94 MW60-1 226301 45257	SEAD-60 07/07/94 MW60-2 226302 45257	SEAD-60 07/07/94 MW60-5 226305 45257 MW60-2DUP	SEAD-60 03/29/94 MW60-3 215838 43179
PESTICIDES/PCB					
alpha-BHC	ug/L	0.051 U	0.051 U	0.054 UJ	0.052 U
beta-BHC	ug/L	0.051 U	0.051 U	0.054 UJ	0.049 J
delta-BHC	ug/L	0.051 U	0.051 U	0.054 UJ	0.052 U
gamma-BHC (Lindane)	ug/L	0.051 U	0.051 U	0.054 UJ	0.052 U
Heptachlor	ug/L	0.051 U	0.051 U	0.054 UJ	0.052 U
Aldrin	ug/L	0.051 U	0.051 U	0.054 UJ	0.052 U
Heptachlor epoxide	ug/L	0.051 U	0.051 U	0.054 UJ	0.052 U
Endosulfan I	ug/L	0.051 U	0.051 U	0.054 UJ	0.052 U
Dieldrin	ug/L	0.1 U	0.1 U	0.11 UJ	0.1 U
4,4'-DDE	ug/L	0.1 U	0.1 U	0.11 UJ	0.1 U
Endrin	ug/L	0.1 U	0.1 U	0.11 UJ	0.1 U
Endosulfan II	ug/L	0.1 U	0.1 U	0.11 UJ	0.1 U
4,4'-DDD	ug/L	0.1 U	0.1 U	0.11 UJ	0.1 U
Endosulfan sulfate	ug/L	0.1 U	0.1 U	0.11 UJ	0.1 U
4,4'-DDT	ug/L	0.1 U	0.1 U	0.11 UJ	0.1 U
Methoxychlor	ug/L	0.51 U	0.51 U	0.54 UJ	0.52 U
Endrin ketone	ug/L	0.1 U	0.1 U	0.11 UJ	0.1 U
Endrin aldehyde	ug/L	0.1 U	0.1 U	0.11 UJ	0.1 U
alpha-Chlordane	ug/L	0.051 U	0.051 U	0.054 UJ	0.052 U
gamma-Chlordane	ug/L	0.051 U	0.051 U	0.054 UJ	0.052 U
Toxaphene	ug/L	5.1 U	5.1 U	5.4 UJ	5.2 U
Aroclor-1016	ug/L	1 U	1 U	1.1 UJ	1 U
Aroclor-1221	ug/L	2 U	2 U	2.2 UJ	2.1 U
Aroclor-1232	ug/L	1 U	1 U	1.1 UJ	1 U
Aroclor-1242	ug/L	1 U	1 U	1.1 UJ	1 U
Aroclor-1248	ug/L	1 U	1 U	1.1 UJ	1 U
Aroclor-1254	ug/L	1 U	1 U	1.1 UJ	1 U
Aroclor-1260	ug/L	1 U	1 U	1.1 UJ	1 U
METALS					
Aluminum	ug/L	348	42.6 J	58 J	376
Antimony	ug/L	1.3 U	1.3 U	1.3 U	0.99 U
Arsenic	ug/L	2 U	2 U	2 U	1.5 U
Barium	ug/L	88.7 J	45 J	40 J	34 J
Beryllium	ug/L	0.1 U	0.1 U	0.1 U	0.06 U
Cadmium	ug/L	0.2 U	0.2 U	0.2 U	0.1 U
Calcium	ug/L	95100	109000	112000	113000
Chromium	ug/L	0.56 J	0.4 U	0.4 U	0.51 J
Cobalt	ug/L	0.5 U	0.5 U	0.5 U	0.72 J
Copper	ug/L	0.5 U	0.5 U	0.5 U	0.99 J
Iron	ug/L	1290	1300	1340	1440
Lead	ug/L	0.9 U	0.9 U	0.89 U	0.79 U
Magnesium	ug/L	31100	53500	55100	52800
Manganese	ug/L	377	125	118	166
Mercury	ug/L	0.05 J	0.04 U	0.05 J	0.03 U
Nickel	ug/L	0.7 U	0.7 U	0.7 U	1.6 J
Potassium	ug/L	8760	4530 J	3950 J	4510 J
Selenium	ug/L	2.7 U	2.7 U	2.7 U	1.7 U
Silver	ug/L	0.5 U	0.5 U	0.5 U	0.69 U
Sodium	ug/L	59400	12300	10900	11400
Thallium	ug/L	1.9 U	1.9 U	1.9 U	1.8 J
Vanadium	ug/L	1 J	0.5 U	0.5 U	1.5 J
Zinc	ug/L	6.9 J	3.2 J	2.2 U	4.8 J
Cyanide	ug/L	5 U	5 U	5 U	5 U
OTHER ANALYSES					
Nitrate/Nitrite - Nitrogen	mg/L				
Total Petroleum Hydrocarbons	mg/L	2.2	1.22	0.76	0.4 U
pH	Standard Units	7.4	7.3	7.3	7.6
Conductivity	umhos/cm	1010	700	700	615
Temperature	°C	11.7	11.5	11.5	8.2
Turbidity	NTU	104	8.6	8.6	5.8

SENECA ARMY DEPOT
SEAD-60 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

MATRIX LOCATION	WATER	WATER	WATER	WATER
SAMPLE DATE	SEAD-60	SEAD-60	SEAD-60	SEAD-60
ES ID	04/27/94	04/20/94	04/20/94	04/20/94
LAB ID	SW60-1	SW60-2	SW60-3	SW60-5
SDG NUMBER	219531	218496	218497	218498
UNITS	43626	43626	43626	43626
COMPOUND				SW60-3DUP
VOLATILE ORGANICS				
Chloromethane	ug/L	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U
1,2-Dichloroethane (total)	ug/L	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U
Xylylene (total)	ug/L	10 U	10 U	10 U
HERBICIDES				
2,4-D	ug/L			
2,4-DB	ug/L			
2,4,5-T	ug/L			
2,4,5-TP (Silvex)	ug/L			
Dalapon	ug/L			
Dicamba	ug/L			
Dichloroprop	ug/L			
Dinoseb	ug/L			
MCPA	ug/L			
MCPP	ug/L			
NITROAROMATICS				
HMX	ug/L			
RDX	ug/L			
1,3,5-Trinitrobenzene	ug/L			
1,3-Dinitrobenzene	ug/L			
Tetryl	ug/L			
2,4,6-Trinitrotoluene	ug/L			
4-amino-2,6-Dinitrotoluene	ug/L			
2-amino-4,6-Dinitrotoluene	ug/L			
2,6-Dinitrotoluene	ug/L			
2,4-Dinitrotoluene	ug/L			

SENECA ARMY DEPOT
SEAD-60 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

MATRIX LOCATION	WATER	WATER	WATER	WATER
SAMPLE DATE	SEAD-60	SEAD-60	SEAD-60	SEAD-60
ES ID	04/27/94	04/27/94	04/20/94	04/20/94
LAB ID	SW60-1	SW60-2	SW60-3	SW60-5
SDG NUMBER	219531	218496	218497	218498
UNITS	43626	43626	43626	43626
COMPOUND	SW60-3DUP			
SEMIVOLATILE ORGANICS				
Phenol	ug/L	10 U	12 U	11 U
bis(2-Chloroethyl) ether	ug/L	10 U	12 U	11 U
2-Chlorophenol	ug/L	10 U	12 U	11 U
1,3-Dichlorobenzene	ug/L	10 U	12 U	11 U
1,4-Dichlorobenzene	ug/L	10 U	12 U	11 U
1,2-Dichlorobenzene	ug/L	10 U	12 U	11 U
2-Methylphenol	ug/L	10 U	12 U	11 U
2,2-oxybis(1-Chloropropane)	ug/L	10 U	12 U	11 U
4-Methylphenol	ug/L	10 U	12 U	11 U
N-Nitroso-di-n-propylamine	ug/L	10 U	12 U	11 U
Hexachloroethane	ug/L	10 U	12 U	11 U
Nitrobenzene	ug/L	10 U	12 U	11 U
Isophorone	ug/L	10 U	12 U	11 U
2-Nitrophenol	ug/L	10 U	12 U	11 U
2,4-Dimethylphenol	ug/L	10 U	12 U	11 U
bis(2-Chloroethoxy) methane	ug/L	10 U	12 U	11 U
2,4-Dichlorophenol	ug/L	10 U	12 U	11 U
1,2,4-Trichlorobenzene	ug/L	10 U	12 U	11 U
Naphthalene	ug/L	10 U	12 U	11 U
4-Chloroaniline	ug/L	10 U	12 U	11 U
Hexachlorobutadiene	ug/L	10 U	12 U	11 U
4-Chloro-3-methylphenol	ug/L	10 U	12 U	11 U
2-Methylnaphthalene	ug/L	10 U	12 U	11 U
Hexachlorocyclopentadiene	ug/L	10 U	12 U	11 U
2,4,6-Trichlorophenol	ug/L	10 U	12 U	11 U
2,4,5-Trichlorophenol	ug/L	28 U	29 U	27 U
2-Chloronaphthalene	ug/L	10 U	12 U	11 U
2-Nitroaniline	ug/L	28 U	29 U	27 U
Dimethylphthalate	ug/L	10 U	12 U	11 U
Acenaphthylene	ug/L	10 U	12 U	11 U
2,6-Dinitrotoluene	ug/L	10 U	12 U	11 U
3-Nitroaniline	ug/L	28 U	29 U	27 U
Acenaphthene	ug/L	10 U	12 U	11 U
2,4-Dinitrophenol	ug/L	28 U	29 U	27 U
4-Nitrophenol	ug/L	28 U	29 U	27 U
Dibenzofuran	ug/L	10 U	12 U	11 U
2,4-Dinitrotoluene	ug/L	10 U	12 U	11 U
Diethylphthalate	ug/L	10 U	12 U	11 U
4-Chlorophenyl-phenyl ether	ug/L	10 U	12 U	11 U
Fluorene	ug/L	10 U	12 U	11 U
4-Nitroaniline	ug/L	28 U	29 U	27 U
4,6-Dinitro-2-methylphenol	ug/L	28 U	29 U	27 U
N-Nitrosodiphenylamine	ug/L	10 U	12 U	11 U
4-Bromophenyl-phenyl ether	ug/L	10 U	12 U	11 U
Hexachlorobenzene	ug/L	10 U	12 U	11 U
Pentachlorophenol	ug/L	28 U	29 U	27 U
Phenanthrene	ug/L	10 U	12 U	11 U
Anthracene	ug/L	10 U	12 U	11 U
Carbazole	ug/L	10 U	12 U	11 U
Di-n-butylphthalate	ug/L	10 U	12 U	11 U
Fluoranthene	ug/L	10 U	12 U	11 U
Pyrene	ug/L	10 U	12 U	11 U
Butylbenzylphthalate	ug/L	10 U	12 U	11 U
3,3'-Dichlorobenzidine	ug/L	10 U	12 U	11 U
Benzo(a)anthracene	ug/L	10 U	12 U	11 U
Chrysene	ug/L	10 U	12 U	11 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	12 U	11 U
Di-n-octylphthalate	ug/L	10 U	12 U	11 U
Benzo(b)fluoranthene	ug/L	10 U	12 U	11 U
Benzo(k)fluoranthene	ug/L	10 U	12 U	11 U
Benzo(a)pyrene	ug/L	10 U	12 U	11 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	12 U	11 U
Dibenz(a,h)anthracene	ug/L	10 U	12 U	11 U
Benzo(g,h,i)perylene	ug/L	10 U	12 U	11 U

SENECA ARMY DEPOT
SEAD-60 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER
	LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SEAD-60 04/27/94 SW60-1 219531 43626	SEAD-60 04/20/94 SW60-2 218496 43626	SEAD-60 04/20/94 SW60-3 218497 43626	SEAD-60 04/20/94 SW60-5 218498 43626 SW60-3DUP
PESTICIDES/PCB					
alpha-BHC	ug/L	0.054 U	0.058 U	0.058 U	0.054 U
beta-BHC	ug/L	0.054 U	0.058 U	0.058 U	0.054 U
delta-BHC	ug/L	0.054 U	0.058 U	0.058 U	0.054 U
gamma-BHC (Lindane)	ug/L	0.054 U	0.058 U	0.058 U	0.054 U
Heptachlor	ug/L	0.054 U	0.058 U	0.058 U	0.054 U
Aldrin	ug/L	0.054 U	0.058 U	0.058 U	0.054 U
Heptachlor epoxide	ug/L	0.054 U	0.058 U	0.058 U	0.054 U
Endosulfan I	ug/L	0.054 U	0.058 U	0.058 U	0.054 U
Dieldrin	ug/L	0.11 U	0.12 U	0.12 U	0.11 U
4,4'-DDE	ug/L	0.11 U	0.12 U	0.12 U	0.11 U
Endrin	ug/L	0.11 U	0.12 U	0.12 U	0.11 U
Endosulfan II	ug/L	0.11 U	0.12 U	0.12 U	0.11 U
4,4'-DDD	ug/L	0.11 U	0.12 U	0.12 U	0.11 U
Endosulfan sulfate	ug/L	0.11 U	0.12 U	0.12 U	0.11 U
4,4'-DDT	ug/L	0.11 U	0.12 U	0.12 U	0.11 U
Methoxychlor	ug/L	0.54 U	0.58 U	0.58 U	0.54 U
Endrin ketone	ug/L	0.11 U	0.12 U	0.12 U	0.11 U
Endrin aldehyde	ug/L	0.11 U	0.12 U	0.12 U	0.11 U
alpha-Chlordane	ug/L	0.054 U	0.058 U	0.058 U	0.054 U
gamma-Chlordane	ug/L	0.054 U	0.058 U	0.058 U	0.054 U
Toxaphene	ug/L	5.4 U	5.8 U	5.8 U	5.4 U
Aroclor-1016	ug/L	1.1 U	1.2 U	1.2 U	1.1 U
Aroclor-1221	ug/L	2.2 U	2.3 U	2.3 U	2.1 U
Aroclor-1232	ug/L	1.1 U	1.2 U	1.2 U	1.1 U
Aroclor-1242	ug/L	1.1 U	1.2 U	1.2 U	1.1 U
Aroclor-1248	ug/L	1.1 U	1.2 U	1.2 U	1.1 U
Aroclor-1254	ug/L	1.1 U	1.2 U	1.2 U	1.1 U
Aroclor-1260	ug/L	1.1 U	1.2 U	1.2 U	1.1 U
METALS					
Aluminum	ug/L	35.7 J	259	71 J	93.5 J
Antimony	ug/L	1 U	1 U	0.99 U	0.99 U
Arsenic	ug/L	1.5 U	1.6 J	1.5 U	1.5 U
Barium	ug/L	28.7 J	49.4 J	21.9 J	22.4 J
Beryllium	ug/L	0.06 U	0.06 U	0.06 U	0.06 U
Cadmium	ug/L	0.1 U	0.1 U	0.1 U	0.1 U
Calcium	ug/L	42300	89000	41800	42200
Chromium	ug/L	0.56 J	0.68 J	0.4 U	0.4 U
Cobalt	ug/L	0.6 U	0.6 U	0.59 U	0.59 U
Copper	ug/L	1.7 J	2 J	1.1 J	1.1 J
Iron	ug/L	78 J	453	86.9 J	121
Lead	ug/L	0.8 U	0.8 U	0.79 U	0.79 U
Magnesium	ug/L	8260	22000	8310	8390
Manganese	ug/L	12.5 J	28.5	3.8 J	4.5 J
Mercury	ug/L	0.03 U	0.03 U	0.03 U	0.03 U
Nickel	ug/L	0.98 J	1.8 J	0.59 U	0.83 J
Potassium	ug/L	1060 J	1430 J	643 J	649 J
Selenium	ug/L	1.7 U	1.7 U	1.7 U	1.7 U
Silver	ug/L	0.7 U	0.7 U	0.69 U	0.69 U
Sodium	ug/L	2030 J	53800	2340 J	2410 J
Thallium	ug/L	1.6 U	1.6 U	1.6 U	1.6 U
Vanadium	ug/L	0.7 U	0.85 J	0.69 U	0.69 U
Zinc	ug/L	3 J	3.4 J	8.5 J	9.6 J
Cyanide	ug/L	5 UJ	5 UJ	5 UJ	5 UJ
OTHER ANALYSES					
Nitrate/Nitrite - Nitrogen	mg/L				
Total Petroleum Hydrocarbons	mg/L	0.38 U	0.41 U	0.43 U	0.39 U
pH	Standard Units	8.4	8.7	9.1	9.1
Conductivity	umhos/cm	232	675	180	180
Temperature	°C	23.3	18	10	10
Turbidity	NTU	2.2	5.7	2.4	2.4

SENECA ARMY DEPOT
SEAD-80 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-60 0-0.2 04/27/94	SOIL SEAD-60 0-0.2 04/20/94	SOIL SEAD-60 0-0.2 04/20/94	SOIL SEAD-60 0-0.2 04/20/94
ES ID	SD60-1	SD60-2	SD60-3	SD60-5
LAB ID	219550	218490	218491	218493
SDG NUMBER	43663	43663	43663	43663
UNITS				SD60-3DUP
VOLATILE ORGANICS				
Chloromethane	ug/Kg 16 U	19 U	16 U	15 U
Bromomethane	ug/Kg 16 U	19 U	16 U	15 U
Vinyl Chloride	ug/Kg 16 U	19 U	16 U	15 U
Chloroethane	ug/Kg 16 U	19 U	16 U	15 U
Methylene Chloride	ug/Kg 16 U	19 U	16 U	15 U
Acetone	ug/Kg 16 U	19 U	16 U	15 U
Carbon Disulfide	ug/Kg 16 U	19 U	16 U	15 U
1,1-Dichloroethene	ug/Kg 16 U	19 U	16 U	15 U
1,1-Dichloroethane	ug/Kg 16 U	19 U	16 U	15 U
1,2-Dichloroethene (total)	ug/Kg 16 U	19 U	16 U	15 U
Chloroform	ug/Kg 16 U	3 J	16 U	15 U
1,2-Dichloroethane	ug/Kg 16 U	19 U	16 U	15 U
2-Butanone	ug/Kg 16 U	19 U	16 U	15 U
1,1,1-Trichloroethane	ug/Kg 16 U	19 U	16 U	15 U
Carbon Tetrachloride	ug/Kg 16 U	19 U	16 U	15 U
Bromodichloromethane	ug/Kg 16 U	19 U	16 U	15 U
1,2-Dichloropropane	ug/Kg 16 U	19 U	16 U	15 U
cis-1,3-Dichloropropene	ug/Kg 16 U	19 U	16 U	15 U
Trichloroethene	ug/Kg 16 U	19 U	16 U	15 U
Dibromochloromethane	ug/Kg 16 U	19 U	16 U	15 U
1,1,2-Trichloroethane	ug/Kg 16 U	19 U	16 U	15 U
Benzene	ug/Kg 16 U	19 U	16 U	15 U
trans-1,3-Dichloropropene	ug/Kg 16 U	19 U	16 U	15 U
Bromoform	ug/Kg 16 U	19 U	16 U	15 U
4-Methyl-2-Pentanone	ug/Kg 16 U	19 U	16 U	15 U
2-Hexanone	ug/Kg 16 U	19 U	16 U	15 U
Tetrachloroethene	ug/Kg 16 U	19 U	16 U	15 U
1,1,2,2-Tetrachloroethane	ug/Kg 16 U	19 U	16 U	15 U
Toluene	ug/Kg 16 U	19 U	16 U	15 U
Chlorobenzene	ug/Kg 16 U	19 U	16 U	15 U
Ethylbenzene	ug/Kg 16 U	19 U	16 U	15 U
Styrene	ug/Kg 16 U	19 U	16 U	15 U
Xylene (total)	ug/Kg 16 U	19 U	16 U	15 U
HERBICIDES				
2,4-D	ug/Kg			
2,4-DB	ug/Kg			
2,4,5-T	ug/Kg			
2,4,5-TP (Silvex)	ug/Kg			
Dalapon	ug/Kg			
Dicamba	ug/Kg			
Dichloroprop	ug/Kg			
Dinoseb	ug/Kg			
MCPA	ug/Kg			
MCPP	ug/Kg			
NITROAROMATICS				
HMX	ug/Kg			
RDX	ug/Kg			
1,3,5-Trinitrobenzene	ug/Kg			
1,3-Dinitrobenzene	ug/Kg			
Tetryl	ug/Kg			
2,4,6-Trinitrotoluene	ug/Kg			
4-amino-2,6-Dinitrotoluene	ug/Kg			
2-amino-4,6-Dinitrotoluene	ug/Kg			
2,6-Dinitrotoluene	ug/Kg			
2,4-Dinitrotoluene	ug/Kg			

SENECA ARMY DEPOT
SEAD-60 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-60 0-0.2 04/27/94 SD60-1 219550 43663	SOIL SEAD-60 0-0.2 04/20/94 SD60-2 218490 43663	SOIL SEAD-60 0-0.2 04/20/94 SD60-3 218491 43663	SOIL SEAD-60 0-0.2 04/20/94 SD60-5 218493 43663 SD60-3DUP
COMPOUND	UNITS			
SEMIVOLATILE ORGANICS				
Phenol	ug/Kg	580 U	650 U	550 U 520 U
bis(2-Chloroethyl) ether	ug/Kg	580 U	650 U	550 U 520 U
2-Chlorophenol	ug/Kg	580 U	650 U	550 U 520 U
1,3-Dichlorobenzene	ug/Kg	580 U	650 U	550 U 520 U
1,4-Dichlorobenzene	ug/Kg	580 U	650 U	550 U 520 U
1,2-Dichlorobenzene	ug/Kg	580 U	650 U	550 U 520 U
2-Methylphenol	ug/Kg	580 U	650 U	550 U 520 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	580 U	650 U	550 U 520 U
4-Methylphenol	ug/Kg	580 U	650 U	550 U 520 U
N-Nitroso-d-n-propylamine	ug/Kg	580 U	650 U	550 U 520 U
Hexachloroethane	ug/Kg	580 U	650 U	550 U 520 U
Nitrobenzene	ug/Kg	580 U	650 U	550 U 520 U
Isophorone	ug/Kg	580 U	650 U	550 U 520 U
2-Nitrophenol	ug/Kg	580 U	650 U	550 U 520 U
2,4-Dimethylphenol	ug/Kg	580 U	650 U	550 U 520 U
bis(2-Chloroethoxy) methane	ug/Kg	580 U	650 U	550 U 520 U
2,4-Dichlorophenol	ug/Kg	580 U	650 U	550 U 520 U
1,2,4-Trichlorobenzene	ug/Kg	580 U	650 U	550 U 520 U
Naphthalene	ug/Kg	580 U	650 U	550 U 520 U
4-Chloroaniline	ug/Kg	580 U	650 U	550 U 520 U
Hexachlorobutadiene	ug/Kg	580 U	650 U	550 U 520 U
4-Chloro-3-methylphenol	ug/Kg	580 U	650 U	550 U 520 U
2-Methylnaphthalene	ug/Kg	580 U	650 U	550 U 520 U
Hexachlorocyclopentadiene	ug/Kg	580 U	650 U	550 U 520 U
2,4,6-Trichlorophenol	ug/Kg	580 U	650 U	550 U 520 U
2,4,5-Trichlorophenol	ug/Kg	1400 U	1600 U	1300 U 1300 U
2-Chloronaphthalene	ug/Kg	580 U	650 U	550 U 520 U
2-Nitroaniline	ug/Kg	1400 U	1600 U	1300 U 1300 U
Dimethylphthalate	ug/Kg	580 U	650 U	550 U 520 U
Acenaphthylene	ug/Kg	580 U	650 U	550 U 520 U
2,6-Dinitrotoluene	ug/Kg	580 U	650 U	550 U 520 U
3-Nitroaniline	ug/Kg	1400 U	1600 U	1300 U 1300 U
Acenaphthene	ug/Kg	580 U	650 U	550 U 520 U
2,4-Dinitrophenol	ug/Kg	1400 U	1600 U	1300 U 1300 U
4-Nitrophenol	ug/Kg	1400 U	1600 U	1300 U 1300 U
Dibenzofuran	ug/Kg	580 U	650 U	550 U 520 U
2,4-Dinitrotoluene	ug/Kg	580 U	650 U	550 U 520 U
Diethylphthalate	ug/Kg	580 U	650 U	550 U 520 U
4-Chlorophenyl-phenylether	ug/Kg	580 U	650 U	550 U 520 U
Fluorene	ug/Kg	580 U	650 U	550 U 520 U
4-Nitroaniline	ug/Kg	1400 U	1600 U	1300 U 1300 U
4,6-Dinitro-2-methylphenol	ug/Kg	1400 U	1600 U	1300 U 1300 U
N-Nitrosodiphenylamine	ug/Kg	580 U	650 U	550 U 520 U
4-Bromophenyl-phenylether	ug/Kg	580 U	650 U	550 U 520 U
Hexachlorobenzene	ug/Kg	580 U	650 U	550 U 520 U
Pentachlorophenol	ug/Kg	1400 U	1600 U	1300 U 1300 U
Phenanthrene	ug/Kg	580 U	63 J	70 J 57 J
Anthracene	ug/Kg	580 U	650 U	550 U 520 U
Carbazole	ug/Kg	580 U	650 U	550 U 520 U
Di-n-butylphthalate	ug/Kg	580 U	650 U	550 U 520 U
Fluoranthene	ug/Kg	580 U	160 J	200 J 160 J
Pyrene	ug/Kg	580 U	190 J	250 J 180 J
Butylbenzylphthalate	ug/Kg	580 U	650 U	550 U 520 U
3,3'-Dichlorobenzidine	ug/Kg	580 U	650 U	550 U 520 U
Benzo(a)anthracene	ug/Kg	580 U	56 J	68 J 51 J
Chrysene	ug/Kg	580 U	130 J	160 J 130 J
bis(2-Ethylhexyl)phthalate	ug/Kg	110 J	1100	75 J 53 J
Di-n-octylphthalate	ug/Kg	580 U	650 U	550 U 520 U
Benzo(b)fluoranthene	ug/Kg	580 U	120 J	120 J 90 J
Benzo(k)fluoranthene	ug/Kg	580 U	87 J	97 J 92 J
Benzo(a)pyrene	ug/Kg	580 U	79 J	84 J 59 J
Indeno(1,2,3-cd)pyrene	ug/Kg	580 U	68 J	57 J 49 J
Dibenz(a,h)anthracene	ug/Kg	580 U	650 U	550 U 520 U
Benzo(g,h,i)perylene	ug/Kg	580 U	93 J	67 J 54 J

SENECA ARMY DEPOT
SEAD-60 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-60 0-0.2 04/27/94 SD60-1 219550 43663	SOIL SEAD-60 0-0.2 04/20/94 SD60-2 218490 43663	SOIL SEAD-60 0-0.2 04/20/94 SD60-3 218491 43663	SOIL SEAD-60 0-0.2 04/20/94 SD60-5 218493 43663	
COMPOUND	UNITS			SD60-3DUP	
PESTICIDES/PCB					
alpha-BHC	ug/Kg	3 U	3.3 U	2.8 U	2.7 U
beta-BHC	ug/Kg	3 U	3.3 U	2.8 U	2.7 U
delta-BHC	ug/Kg	3 U	3.3 U	2.8 U	2.7 U
gamma-BHC (Lindane)	ug/Kg	3 U	3.3 U	2.8 U	2.7 U
Heptachlor	ug/Kg	3 U	3.3 U	2.8 U	2.7 U
Aldrin	ug/Kg	3 U	3.3 U	2.8 U	2.7 U
Heptachlor epoxide	ug/Kg	3 U	3.3 U	2.8 U	2.7 U
Endosulfan I	ug/Kg	3 U	3.3 U	2.1 J	1.8 J
Dieldrin	ug/Kg	5.8 U	6.5 U	5.5 U	5.2 U
4,4'-DDE	ug/Kg	5.8 U	6.5 U	5.4 J	5 J
Endrin	ug/Kg	5.8 U	6.5 U	5.5 U	5.2 U
Endosulfan II	ug/Kg	5.8 U	6.5 U	5.5 U	5.2 U
4,4'-DDD	ug/Kg	5.8 U	6.5 U	5.5 U	5.2 U
Endosulfan sulfate	ug/Kg	5.8 U	6.5 U	5.5 U	5.2 U
4,4'-DDT	ug/Kg	5.8 U	6.5 U	2.7 J	3.4 J
Methoxychlor	ug/Kg	30 U	33 U	28 U	27 U
Endrin ketone	ug/Kg	5.8 U	6.5 U	5.5 U	5.2 U
Endrin aldehyde	ug/Kg	5.8 U	6.5 U	5.5 U	5.2 U
alpha-Chlordane	ug/Kg	3 U	3.3 U	1.9 J	2.7 U
gamma-Chlordane	ug/Kg	3 U	3.3 U	2.8 U	2.7 U
Toxaphene	ug/Kg	300 U	330 U	280 U	270 U
Aroclor-1016	ug/Kg	58 U	65 U	55 U	52 U
Aroclor-1221	ug/Kg	120 U	130 U	110 U	110 U
Aroclor-1232	ug/Kg	58 U	65 U	55 U	52 U
Aroclor-1242	ug/Kg	58 U	65 U	55 U	52 U
Aroclor-1248	ug/Kg	58 U	65 U	55 U	52 U
Aroclor-1254	ug/Kg	58 U	65 U	55 U	52 U
Aroclor-1260	ug/Kg	58 U	65 U	55 U	52 U
METALS					
Aluminum	mg/Kg	12700	10700	5470	2940
Antimony	mg/Kg	0.28 UJ	0.24 UJ	0.28 UJ	0.32 UJ
Arsenic	mg/Kg	4.8	3.6	3.7	2.9 J
Barium	mg/Kg	97.8	80.3	46.5 J	23.5 J
Beryllium	mg/Kg	0.62 J	0.54 J	0.35 J	0.21 J
Cadmium	mg/Kg	0.34 J	0.44 J	0.25 J	0.13 J
Calcium	mg/Kg	3760	21300	93000	227000
Chromium	mg/Kg	19.5	17.5	9	4.8
Cobalt	mg/Kg	9.6 J	8.2 J	6.7 J	3.3 J
Copper	mg/Kg	14.2	21.1	12.5	7.7 J
Iron	mg/Kg	25000	22000	12700	6580
Lead	mg/Kg	13.9	24.6	9.1	3.5
Magnesium	mg/Kg	4370	7490	8380	3770
Manganese	mg/Kg	467 J	282 J	509 J	292 J
Mercury	mg/Kg	0.05 J R	0.04 J R	0.02 U	0.03 J
Nickel	mg/Kg	27.2	28.7	16.2	9.2 J
Potassium	mg/Kg	1610	1190 J	986 J	765 J
Selenium	mg/Kg	0.48 U	0.41 U	0.48 U	0.54 U
Silver	mg/Kg	0.2 U	0.17 U	0.2 U	0.22 U
Sodium	mg/Kg	45 U	134 J	67.3 J	91 J
Thallium	mg/Kg	0.45 U	0.55 J	0.46 U	0.51 U
Vanadium	mg/Kg	23.9	19.2	11.1 J	6.6 J
Zinc	mg/Kg	93.5	88.1	101	48.6
Cyanide	mg/Kg	0.83 U	0.94 U	3.3	2.1
OTHER ANALYSES					
Nitrate/Nitrite - Nitrogen	mg/Kg				
Total Petroleum Hydrocarbons	mg/Kg	40 U	149	44 U	48 U
Total Solids	%W/W	56.8	50.7	60.5	62.8

SENECA ARMY DEPOT
SEAD-62 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-62 0-0.5 06/12/94 TP62-1-1 224086 44748	SOIL SEAD-62 3 06/12/94 TP62-2-1 224086 44748	SOIL SEAD-62 2 06/12/94 TP62-3-1 224089 44748
COMPOUND UNITS			
VOLATILE ORGANICS			
Chloromethane	ug/Kg 11 U	11 U	12 U
Bromomethane	ug/Kg 11 U	11 U	12 U
Vinyl Chloride	ug/Kg 11 U	11 U	12 U
Chloroethane	ug/Kg 11 U	11 U	12 U
Methylene Chloride	ug/Kg 11 U	11 U	12 U
Acetone	ug/Kg 21 U	11 U	12 U
Carbon Disulfide	ug/Kg 11 U	11 U	12 U
1,1-Dichloroethene	ug/Kg 11 U	11 U	12 U
1,1-Dichloroethane	ug/Kg 11 U	11 U	12 U
1,2-Dichloroethene (total)	ug/Kg 11 U	11 U	12 U
Chloroform	ug/Kg 11 U	11 U	12 U
1,2-Dichloroethane	ug/Kg 11 U	11 U	12 U
2-Butanone	ug/Kg 11 U	11 U	12 U
1,1,1-Trichloroethane	ug/Kg 11 U	11 U	12 U
Carbon Tetrachloride	ug/Kg 11 U	11 U	12 U
Bromodichloromethane	ug/Kg 11 U	11 U	12 U
1,2-Dichloropropane	ug/Kg 11 U	11 U	12 U
cis-1,3-Dichloropropene	ug/Kg 11 U	11 U	12 U
Trichloroethene	ug/Kg 11 U	11 U	12 U
Dibromochloromethane	ug/Kg 11 U	11 U	12 U
1,1,2-Trichloroethane	ug/Kg 11 U	11 U	12 U
Benzene	ug/Kg 11 U	11 U	12 U
trans-1,3-Dichloropropene	ug/Kg 11 U	11 U	12 U
Bromoform	ug/Kg 11 U	11 U	12 U
4-Methyl-2-Pentanone	ug/Kg 11 U	11 U	12 U
2-Hexanone	ug/Kg 11 U	11 U	12 U
Tetrachloroethane	ug/Kg 11 U	11 U	12 U
1,1,2,2-Tetrachloroethane	ug/Kg 11 U	11 U	12 U
Toluene	ug/Kg 11 U	11 U	12 U
Chlorobenzene	ug/Kg 11 U	11 U	12 U
Ethylbenzene	ug/Kg 11 U	11 U	12 U
Styrene	ug/Kg 11 U	11 U	12 U
Xylene (total)	ug/Kg 11 U	11 U	12 U
HERBICIDES			
2,4-D	ug/Kg 73 U	56 U	63 U
2,4-DB	ug/Kg 73 U	56 U	63 U
2,4,5-T	ug/Kg 10 J	5.6 U	6.3 J
2,4,5-TP (Silvex)	ug/Kg 7.3 U	5.6 U	6.3 U
Dalapon	ug/Kg 180 U	140 U	150 U
Dicamba	ug/Kg 7.3 U	5.6 U	6.3 J
Dichloroprop	ug/Kg 73 U	56 U	63 U
Dinoseb	ug/Kg 37 U	28 U	32 U
MCPA	ug/Kg 7300 U	5600 U	6300 U
MCPP	ug/Kg 7300 U	5600 U	6300 U
NITROAROMATICS			
HMX	ug/Kg		
RDX	ug/Kg		
1,3,5-Trinitrobenzene	ug/Kg		
1,3-Dinitrobenzene	ug/Kg		
Tetryl	ug/Kg		
2,4,6-Trinitrotoluene	ug/Kg		
4-amino-2,6-Dinitrotoluene	ug/Kg		
2-amino-4,6-Dinitrotoluene	ug/Kg		
2,6-Dinitrotoluene	ug/Kg		
2,4-Dinitrotoluene	ug/Kg		

SENECA ARMY DEPOT
SEAD-62 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-62 0-0.5 06/12/94 TP62-1-1 224088 44748	SOIL SEAD-62 3 06/12/94 TP62-2-1 224088 44748	SOIL SEAD-62 2 06/12/94 TP62-3-1 224089 44748
COMPOUND UNITS			
SEMIVOLATILE ORGANICS			
Phenol	ug/Kg 480 U	370 U	410 U
bis(2-Chloroethyl) ether	ug/Kg 480 U	370 U	410 U
2-Chlorophenol	ug/Kg 480 U	370 U	410 U
1,3-Dichlorobenzene	ug/Kg 480 U	370 U	410 U
1,4-Dichlorobenzene	ug/Kg 480 U	370 U	410 U
1,2-Dichlorobenzene	ug/Kg 480 U	370 U	410 U
2-Methylphenol	ug/Kg 480 U	370 U	410 U
2,2'-oxybis(1-Chloropropane)	ug/Kg 480 U	370 U	410 U
4-Methylphenol	ug/Kg 480 U	370 U	410 U
N-Nitroso-di-n-propylamine	ug/Kg 480 U	370 U	410 U
Hexachloroethane	ug/Kg 480 U	370 U	410 U
Nitrobenzene	ug/Kg 480 U	370 U	410 U
Isophorone	ug/Kg 480 U	370 U	410 U
2-Nitrophenol	ug/Kg 480 U	370 U	410 U
2,4-Dimethylphenol	ug/Kg 480 U	370 U	410 U
bis(2-Chloroethoxy) methane	ug/Kg 480 U	370 U	410 U
2,4-Dichlorophenol	ug/Kg 480 U	370 U	410 U
1,2,4-Trichlorobenzene	ug/Kg 480 U	370 U	410 U
Naphthalene	ug/Kg 480 U	370 U	410 U
4-Chloroaniline	ug/Kg 480 U	370 U	410 U
Hexachlorobutadiene	ug/Kg 480 U	370 U	410 U
4-Chloro-3-methylphenol	ug/Kg 480 U	370 U	410 U
2-Methylnaphthalene	ug/Kg 480 U	370 U	410 U
Hexachlorocyclopentadiene	ug/Kg 480 U	370 U	410 U
2,4,6-Trichlorophenol	ug/Kg 480 U	370 U	410 U
2,4,5-Trichlorophenol	ug/Kg 1200 U	890 U	1000 U
2-Chloronaphthalene	ug/Kg 480 U	370 U	410 U
2-Nitroaniline	ug/Kg 1200 U	890 U	1000 U
Dimethylphthalate	ug/Kg 480 U	370 U	410 U
Acenaphthylene	ug/Kg 480 U	370 U	410 U
2,6-Dinitrotoluene	ug/Kg 480 U	370 U	410 U
3-Nitroaniline	ug/Kg 1200 U	890 U	1000 U
Acenaphthene	ug/Kg 480 U	370 U	410 U
2,4-Dinitrophenol	ug/Kg 1200 U	890 U	1000 U
4-Nitrophenol	ug/Kg 1200 U	890 U	1000 U
Dibenzofuran	ug/Kg 480 U	370 U	410 U
2,4-Dinitrotoluene	ug/Kg 480 U	370 U	410 U
Diethylphthalate	ug/Kg 480 U	370 U	410 U
4-Chlorophenyl-phenyl ether	ug/Kg 480 U	370 U	410 U
Fluorene	ug/Kg 480 U	370 U	410 U
4-Nitroaniline	ug/Kg 1200 U	890 U	1000 U
4,6-Dinitro-2-methylphenol	ug/Kg 1200 U	890 U	1000 U
N-Nitrosodiphenylamine	ug/Kg 480 U	370 U	410 U
4-Bromophenyl-phenyl ether	ug/Kg 480 U	370 U	410 U
Hexachlorobenzene	ug/Kg 480 U	370 U	410 U
Pentachlorophenol	ug/Kg 1200 U	890 U	1000 U
Phenanthrene	ug/Kg 480 U	370 U	410 U
Anthracene	ug/Kg 480 U	370 U	410 U
Carbazole	ug/Kg 480 U	370 U	410 U
Di-n-butylphthalate	ug/Kg 480 U	370 U	410 U
Fluoranthene	ug/Kg 46 J	370 U	410 U
Pyrene	ug/Kg 47 J	370 U	410 U
Butylbenzylphthalate	ug/Kg 480 U	370 U	410 U
3,3'-Dichlorobenzidine	ug/Kg 480 U	370 U	410 U
Benzo(a)anthracene	ug/Kg 480 U	370 U	410 U
Chrysene	ug/Kg 480 U	370 U	410 U
bis(2-Ethylhexyl)phthalate	ug/Kg 480 U	370 U	410 U
Di-n-octylphthalate	ug/Kg 480 U	370 U	410 U
Benzo(b)fluoranthene	ug/Kg 480 U	370 U	410 U
Benzo(k)fluoranthene	ug/Kg 480 U	370 U	410 U
Benzo(a)pyrene	ug/Kg 480 U	370 U	410 U
Indeno(1,2,3-cd)pyrene	ug/Kg 480 U	370 U	410 U
Dibenz(a,h)anthracene	ug/Kg 480 U	370 U	410 U
Benzo(g,h,i)perylene	ug/Kg 480 U	370 U	410 U

SENECA ARMY DEPOT
SEAD-62 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL
	LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SEAD-62 0-0.5 06/12/94 TP62-1-1 224086 44748	SEAD-62 3 06/12/94 TP62-2-1 224088 44748	SEAD-62 2 06/12/94 TP62-3-1 224089 44748
PESTICIDES/PCB				
alpha-BHC	ug/Kg	2.5 UJ	1.9 UJ	2.1 UJ
beta-BHC	ug/Kg	2.5 UJ	1.9 UJ	2.1 UJ
delta-BHC	ug/Kg	2.5 UJ	1.9 UJ	2.1 UJ
gamma-BHC (Lindane)	ug/Kg	2.5 UJ	1.9 UJ	2.1 UJ
Heptachlor	ug/Kg	2.5 UJ	1.9 UJ	2.1 UJ
Aldrin	ug/Kg	2.5 UJ	1.9 UJ	2.1 UJ
Heptachlor epoxide	ug/Kg	2.5 UJ	1.9 UJ	2.1 UJ
Endosulfan I	ug/Kg	2.5 UJ	1.9 UJ	2.1 UJ
Dieldrin	ug/Kg	4.9 UJ	3.7 UJ	4.1 UJ
4,4'-DDE	ug/Kg	4.9 UJ	3.7 UJ	4.1 UJ
Endrin	ug/Kg	4.9 UJ	3.7 UJ	4.1 UJ
Endosulfan II	ug/Kg	4.9 UJ	3.7 UJ	4.1 UJ
4,4'-DDD	ug/Kg	4.9 UJ	3.7 UJ	4.1 UJ
Endosulfan sulfate	ug/Kg	4.9 UJ	3.7 UJ	4.1 UJ
4,4'-DDT	ug/Kg	4.9 UJ	3.7 UJ	4.1 UJ
Methoxychlor	ug/Kg	25 UJ	19 UJ	21 UJ
Endrin ketone	ug/Kg	4.9 UJ	3.7 UJ	4.1 UJ
Endrin aldehyde	ug/Kg	4.9 UJ	3.7 UJ	4.1 UJ
alpha-Chlordane	ug/Kg	2.5 UJ	1.9 UJ	2.1 UJ
gamma-Chlordane	ug/Kg	2.5 UJ	1.9 UJ	2.1 UJ
Toxaphene	ug/Kg	250 UJ	190 UJ	210 UJ
Aroclor-1016	ug/Kg	49 UJ	37 UJ	41 UJ
Aroclor-1221	ug/Kg	99 UJ	74 UJ	84 UJ
Aroclor-1232	ug/Kg	49 UJ	37 UJ	41 UJ
Aroclor-1242	ug/Kg	49 UJ	37 UJ	41 UJ
Aroclor-1248	ug/Kg	49 UJ	37 UJ	41 UJ
Aroclor-1254	ug/Kg	49 UJ	37 UJ	41 UJ
Aroclor-1260	ug/Kg	49 UJ	37 UJ	41 UJ
METALS				
Aluminum	mg/Kg	14800	11000	16100
Antimony	mg/Kg	0.35 UJ	0.21 J	0.2 UJ
Arsenic	mg/Kg	4.9	5.3	8.4
Barium	mg/Kg	147	85.4	202
Beryllium	mg/Kg	0.74 J	0.56 J	0.72 J
Cadmium	mg/Kg	0.43 J	0.56 J	0.68 J
Calcium	mg/Kg	10900	67900	17400
Chromium	mg/Kg	28.8 J	17.3 J	23.6 J
Cobalt	mg/Kg	9.4 J	12.6	12.6
Copper	mg/Kg	22.8	22	28.7
Iron	mg/Kg	27500	23200	30300
Lead	mg/Kg	50.7 R	10.8 R	538 R
Magnesium	mg/Kg	4530	20500	5340
Manganese	mg/Kg	323	495	778
Mercury	mg/Kg	0.1 J	0.03 J	0.11
Nickel	mg/Kg	26.2	29.6	26.5
Potassium	mg/Kg	1630 J	2210 J	2970 J
Selenium	mg/Kg	1.3 J	0.37 U	0.99
Silver	mg/Kg	0.14 U	0.07 U	0.08 U
Sodium	mg/Kg	37.8 J	88.8 J	164 J
Thallium	mg/Kg	0.52 U	0.26 U	0.29 U
Vanadium	mg/Kg	25.3	20.3	33.1
Zinc	mg/Kg	218	67.5	172
Cyanide	mg/Kg	0.68 U	0.47 U	0.62 U
OTHER ANALYSES				
Nitrate/Nitrite - Nitrogen	mg/Kg			
Total Petroleum Hydrocarbons	mg/Kg			
Total Solids	%W/W	66.5	89.5	79.6

SENECA ARMY DEPOT
SEAD-62 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER
	LOCATION	SEAD-62	SEAD-62	SEAD-62
	SAMPLE DATE	07/21/94	07/21/94	07/20/94
	ES ID	MW62-1	MW62-2	MW62-3
	LAB ID	227728	227729	227811
	SDG NUMBER	45448	45448	45448
COMPOUND	UNITS			
VOLATILE ORGANICS				
Chloromethane	ug/L	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U
Acetone	ug/L	10 U	13 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U
Benzene	ug/L	10 U	2 J	2 J
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U
HERBICIDES				
2,4-D	ug/L	1.1 U	1.1 U	1.1 U
2,4-DB	ug/L	1.1 U	1.1 U	1.1 U
2,4,5-T	ug/L	0.11 U	0.12	0.11 U
2,4,5-TP (Silvex)	ug/L	0.11 U	0.11 U	0.11 U
Dalapon	ug/L	2.4 U	2.4 U	2.5 U
Dicamba	ug/L	0.11 U	0.11 U	0.11 U
Dichloroprop	ug/L	1.1 U	1.11 U	1.1 U
Dinoseb	ug/L	0.53 U	0.51 U	0.53 U
MCPA	ug/L	110 U	110 U	110 U
MCPP	ug/L	110 U	110 U	110 U
NITROAROMATICS				
HMX	ug/L			
RDX	ug/L			
1,3,5-Trinitrobenzene	ug/L			
1,3-Dinitrobenzene	ug/L			
Tetryl	ug/L			
2,4,6-Trinitrotoluene	ug/L			
4-amino-2,6-Dinitrotoluene	ug/L			
2-amino-4,6-Dinitrotoluene	ug/L			
2,6-Dinitrotoluene	ug/L			
2,4-Dinitrotoluene	ug/L			

SENECA ARMY DEPOT
SEAD-62 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-62 07/21/94 MW62-1 227728 45448	WATER SEAD-62 07/21/94 MW62-2 227729 45448	WATER SEAD-62 07/20/94 MW62-3 227611 45448
SEMIVOLATILE ORGANICS				
Phenol	ug/L	11 U	10 U	10 U
bis(2-Chloroethyl) ether	ug/L	11 U	10 U	10 U
2-Chlorophenol	ug/L	11 U	10 U	10 U
1,3-Dichlorobenzene	ug/L	11 U	10 U	10 U
1,4-Dichlorobenzene	ug/L	11 U	10 U	10 U
1,2-Dichlorobenzene	ug/L	11 U	10 U	10 U
2-Methylphenol	ug/L	11 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	11 U	10 U	10 U
4-Methylphenol	ug/L	11 U	10 U	10 U
N-Nitroso-d-n-propylamine	ug/L	11 U	10 U	10 U
Hexachloroethane	ug/L	11 U	10 U	10 U
Nitrobenzene	ug/L	11 U	10 U	10 U
Isophorone	ug/L	11 U	10 U	10 U
2-Nitrophenol	ug/L	11 U	10 U	10 U
2,4-Dimethylphenol	ug/L	11 U	10 U	10 U
bis(2-Chloroethoxy) methane	ug/L	11 U	10 U	10 U
2,4-Dichlorophenol	ug/L	11 U	10 U	10 U
1,2,4-Trichlorobenzene	ug/L	11 U	10 U	10 U
Naphthalene	ug/L	11 U	10 U	10 U
4-Chloroaniline	ug/L	11 U	10 U	10 U
Hexachlorobutadiene	ug/L	11 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L	11 U	10 U	10 U
2-Methylnaphthalene	ug/L	11 U	10 U	10 U
Hexachlorocyclopentadiene	ug/L	11 U	10 U	10 U
2,4,6-Trichlorophenol	ug/L	11 U	10 U	10 U
2,4,5-Trichlorophenol	ug/L	27 U	28 U	28 U
2-Chloronaphthalene	ug/L	11 U	10 U	10 U
2-Nitroaniline	ug/L	27 U	28 U	28 U
Dimethylphthalate	ug/L	11 U	10 U	10 U
Acenaphthylene	ug/L	11 U	10 U	10 U
2,6-Dinitrotoluene	ug/L	11 U	10 U	10 U
3-Nitroaniline	ug/L	27 U	26 U	26 U
Acenaphthene	ug/L	11 U	10 U	10 U
2,4-Dinitrophenol	ug/L	27 U	26 U	26 U
4-Nitrophenol	ug/L	27 U	26 U	26 U
Dibenzofuran	ug/L	11 U	10 U	10 U
2,4-Dinitrotoluene	ug/L	11 U	10 U	10 U
Diethylphthalate	ug/L	11 U	10 U	10 U
4-Chlorophenyl-phenylether	ug/L	11 U	10 U	10 U
Fluorene	ug/L	11 U	10 U	10 U
4-Nitroaniline	ug/L	27 U	26 U	26 U
4,6-Dinitro-2-methylphenol	ug/L	27 U	26 U	26 U
N-Nitrosodiphenylamine	ug/L	11 U	10 U	10 U
4-Bromophenyl-phenylether	ug/L	11 U	10 U	10 U
Hexachlorobenzene	ug/L	11 U	10 U	10 U
Pentachlorophenol	ug/L	27 U	26 U	26 U
Phenanthrene	ug/L	11 U	10 U	10 U
Anthracene	ug/L	11 U	10 U	10 U
Carbazole	ug/L	11 U	10 U	10 U
Di-n-butylphthalate	ug/L	11 U	10 U	10 U
Fluoranthene	ug/L	11 U	10 U	10 U
Pyrene	ug/L	11 U	10 U	10 U
Butylbenzylphthalate	ug/L	11 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L	11 U	10 U	10 U
Benzo(a)anthracene	ug/L	11 U	10 U	10 U
Chrysene	ug/L	11 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	11 U	10 U	10 U
Di-n-octylphthalate	ug/L	11 U	10 U	10 U
Benzo(b)fluoranthene	ug/L	11 U	10 U	10 U
Benzo(k)fluoranthene	ug/L	11 U	10 U	10 U
Benzo(a)pyrene	ug/L	11 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	10 U	10 U
Dibenz(a,h)anthracene	ug/L	11 U	10 U	10 U
Benzo(g,h,i)perylene	ug/L	11 U	10 U	10 U

SENECA ARMY DEPOT
SEAD-62 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER
	LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SEAD-62 07/21/94 MW62-1 227728 45448	SEAD-62 07/21/94 MW62-2 227729 45448	SEAD-62 07/20/94 MW62-3 227611 45448
PESTICIDES/PCB				
alpha-BHC	ug/L	0.061 U	0.052 U	0.052 U
beta-BHC	ug/L	0.061 U	0.052 U	0.052 U
delta-BHC	ug/L	0.061 U	0.052 U	0.052 U
gamma-BHC (Lindane)	ug/L	0.061 U	0.052 U	0.052 U
Heptachlor	ug/L	0.061 U	0.052 U	0.052 U
Aldrin	ug/L	0.061 U	0.052 U	0.052 U
Heptachlor epoxide	ug/L	0.061 U	0.052 U	0.052 U
Endosulfan I	ug/L	0.061 U	0.052 U	0.052 U
Dieldrin	ug/L	0.12 U	0.1 U	0.1 U
4,4'-DDE	ug/L	0.12 U	0.1 U	0.1 U
Endrin	ug/L	0.12 U	0.1 U	0.1 U
Endosulfan II	ug/L	0.12 U	0.1 U	0.1 U
4,4'-DDD	ug/L	0.12 U	0.1 U	0.1 U
Endosulfan sulfate	ug/L	0.12 U	0.1 U	0.1 U
4,4'-DDT	ug/L	0.12 U	0.1 U	0.1 U
Methoxychlor	ug/L	0.61 U	0.52 U	0.52 U
Endrin ketone	ug/L	0.12 U	0.1 U	0.1 U
Endrin aldehyde	ug/L	0.12 U	0.1 U	0.1 U
alpha-Chlordane	ug/L	0.061 U	0.052 U	0.052 U
gamma-Chlordane	ug/L	0.061 U	0.052 U	0.052 U
Toxaphene	ug/L	6.1 U	5.2 U	5.2 U
Aroclor-1016	ug/L	1.2 U	1 U	1 U
Aroclor-1221	ug/L	2.4 U	2.1 U	2.1 U
Aroclor-1232	ug/L	1.2 U	1 U	1 U
Aroclor-1242	ug/L	1.2 U	1 U	1 U
Aroclor-1248	ug/L	1.2 U	1 U	1 U
Aroclor-1254	ug/L	1.2 U	1 U	1 U
Aroclor-1260	ug/L	1.2 U	1 U	1 U
METALS				
Aluminum	ug/L	499	430	173 J
Antimony	ug/L	1.3 U	1.3 U	1.3 U
Arsenic	ug/L	2 U	2 U	2 U
Barium	ug/L	68.1 J	66 J	64.8 J
Beryllium	ug/L	0.1 U	0.1 U	0.1 U
Cadmium	ug/L	0.2 U	0.2 U	0.2 U
Calcium	ug/L	91700	85600	104000
Chromium	ug/L	1.4 J	1.2 J	0.4 U
Cobalt	ug/L	2.5 J	1.1 J	0.56 J
Copper	ug/L	0.54 J	0.5 U	0.5 U
Iron	ug/L	797 J	870 J	1160 J
Lead	ug/L	0.89 U	0.9 U	0.89 U
Magnesium	ug/L	58200	44200	33100
Manganese	ug/L	271	134	86.5
Mercury	ug/L	0.05 J	0.05 J	0.05 J
Nickel	ug/L	3.9 J	2.3 J	0.69 U
Potassium	ug/L	7470 J	6240 J	3150 J
Selenium	ug/L	2.7 U	2.7 U	2.7 U
Silver	ug/L	0.5 U	0.5 U	0.5 U
Sodium	ug/L	18100	8750	5820
Thallium	ug/L	1.9 U	2.4 J	1.9 U
Vanadium	ug/L	1.8 J	1.5 J	0.85 J
Zinc	ug/L	4.2 J	6.2 J	3 J
Cyanide	ug/L	5 UJ	5 UJ	5 UJ
OTHER ANALYSES				
Nitrate/Nitrite - Nitrogen	mg/L			
Total Petroleum Hydrocarbons	mg/L			
pH	Standard Units	7.8	7.3	7.2
Conductivity	umhos/cm	750	655	525
Temperature	°C	20.3	19.1	14
Turbidity	NTU	66	28	31

SENECA ARMY DEPOT
SEAD-63 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-63 3 06/25/94 TP63-1 225583 45058	SOIL SEAD-63 2 06/26/94 TP63-2 225561 45062	SOIL SEAD-63 6.5 06/26/94 TP63-3 225562 45062	SOIL SEAD-63 3 06/26/94 TP63-4 225563 45062	SOIL SEAD-63 2 06/26/94 TP63-5 225564 45062	SOIL SEAD-63 1.5 06/27/94 TP63-57 225568 45062	SOIL SEAD-63 3 06/27/94 TP63-6 225565 45062	SOIL SEAD-63 1.5 06/27/94 TP63-7 225566 45062	SOIL SEAD-63 1.5 06/27/94 TP63-8 225596 45062	SOIL SEAD-63 2.5 06/27/94 TP63-9 225597 45062
VOLATILE ORGANICS										
Chloromethane	ug/Kg 13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Bromomethane	ug/Kg 13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Vinyl Chloride	ug/Kg 13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Chloroethane	ug/Kg 13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Methylene Chloride	ug/Kg 13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Acetone	ug/Kg 13 U	12 U	25 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Carbon Disulfide	ug/Kg 13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	160
1,1-Dichloroethene	ug/Kg 13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
1,1-Dichloroethane	ug/Kg 13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
1,2-Dichloroethene (total)	ug/Kg 13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Chloroform	ug/Kg 13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
1,2-Dichloroethane	ug/Kg 13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
2-Butanone	ug/Kg 13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	46
1,1,1-Trichloroethane	ug/Kg 13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Carbon Tetrachloride	ug/Kg 13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Bromodichloromethane	ug/Kg 13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
1,2-Dichloropropane	ug/Kg 13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
cis-1,3-Dichloropropene	ug/Kg 13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Trichloroethene	ug/Kg 13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Dibromochloromethane	ug/Kg 13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
1,1,2-Trichloroethane	ug/Kg 13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Benzene	ug/Kg 13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
trans-1,3-Dichloropropene	ug/Kg 13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Bromoform	ug/Kg 13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
4-Methyl-2-Pentanone	ug/Kg 13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
2-Hexanone	ug/Kg 13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Tetrachloroethene	ug/Kg 13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
1,1,2,2-Tetrachloroethane	ug/Kg 13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Toluene	ug/Kg 13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	6 J
Chlorobenzene	ug/Kg 13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Ethylbenzene	ug/Kg 13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Styrene	ug/Kg 13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Xylene (total)	ug/Kg 13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	14
HERBICIDES										
2,4-D	ug/Kg									
2,4-DB	ug/Kg									
2,4,5-T	ug/Kg									
2,4,5-TP (Silvex)	ug/Kg									
Dalapon	ug/Kg									
Dicamba	ug/Kg									
Dichloroprop	ug/Kg									
Dinoseb	ug/Kg									
MCPA	ug/Kg									
MCPP	ug/Kg									
NITROAROMATICS										
HMX	ug/Kg									
RDX	ug/Kg									
1,3,5-Trinitrobenzene	ug/Kg									
1,3-Dinitrobenzene	ug/Kg									
Tetryl	ug/Kg									
2,4,6-Trinitrotoluene	ug/Kg									
4-amino-2,6-Dinitrotoluene	ug/Kg									
2-amino-4,6-Dinitrotoluene	ug/Kg									
2,6-Dinitrotoluene	ug/Kg									
2,4-Dinitrotoluene	ug/Kg									

SENECA ARMY DEPOT
SEAD-63 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-63 3 06/25/94 TP63-1 225583 45058	SOIL SEAD-63 2 06/26/94 TP63-2 225561 45062	SOIL SEAD-63 6.5 06/26/94 TP63-3 225562 45062	SOIL SEAD-63 3 06/26/94 TP63-4 225583 45062	SOIL SEAD-63 2 06/26/94 TP63-5 225564 45062	SOIL SEAD-63 1.5 06/27/94 TP63-57 225568 45062	SOIL SEAD-63 3 06/27/94 TP63-6 225565 45062	SOIL SEAD-63 1.5 06/27/94 TP63-7 225566 45062	SOIL SEAD-63 1.5 06/27/94 TP63-8 225596 45062	SOIL SEAD-63 2.5 06/27/94 TP63-9 225597 45062
COMPOUND										
SEMIVOLATILE ORGANICS										
Phenol	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
bis(2-Chloroethyl) ether	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2-Chlorophenol	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
1,3-Dichlorobenzene	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
1,4-Dichlorobenzene	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
1,2-Dichlorobenzene	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2-Methylphenol	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2,2'-oxybis(1-Chloropropane)	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
4-Methylphenol	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
N-Nitroso-d-n-propylamine	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Hexachloroethane	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Nitrobenzene	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Isophorone	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2-Nitrophenol	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2,4-Dimethylphenol	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
bis(2-Chloroethoxy) methane	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2,4-Dichlorophenol	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
1,2,4-Trichlorobenzene	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Naphthalene	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
4-Chloroaniline	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Hexachlorobutadiene	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
4-Chloro-3-methylphenol	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2-Methylnaphthalene	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Hexachlorocyclopentadiene	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2,4,6-Trichlorophenol	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2,4,5-Trichlorophenol	ug/Kg 1000 U	950 U	4400 U	2500 U	990 U	890 U	920 U	930 U	940 U	980 U
2-Chloronaphthalene	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2-Nitroaniline	ug/Kg 1000 U	950 U	4400 U	2500 U	990 U	890 U	920 U	930 U	940 U	980 U
Dimethylphthalate	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Acenaphthylene	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2,6-Dinitrotoluene	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
3-Nitroaniline	ug/Kg 1000 U	950 U	4400 U	2500 U	990 U	890 U	920 U	930 U	940 U	980 U
Acenaphthene	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2,4-Dinitrophenol	ug/Kg 1000 U	950 U	4400 U	2500 U	990 U	890 U	920 U	930 U	940 U	980 U
4-Nitrophenol	ug/Kg 1000 U	950 U	4400 U	2500 U	990 U	890 U	920 U	930 U	940 U	980 U
Dibenzofuran	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2,4-Dinitrotoluene	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Diethylphthalate	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
4-Chlorophenyl-phenylether	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Fluorene	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
4-Nitroaniline	ug/Kg 1000 U	950 U	4400 U	2500 U	990 U	890 U	920 U	930 U	940 U	980 U
4,6-Dinitro-2-methylphenol	ug/Kg 1000 U	950 U	4400 U	2500 U	990 U	890 U	920 U	930 U	940 U	980 U
N-Nitrosodiphenylamine	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
4-Bromophenyl-phenylether	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Hexachlorobenzene	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Pentachlorophenol	ug/Kg 1000 U	950 U	4400 U	2500 U	990 U	890 U	920 U	930 U	940 U	980 U
Phenanthrene	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	31 J
Anthracene	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Carbazole	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Di-n-butylphthalate	87 J	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Fluoranthene	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	38 J	63 J
Pyrene	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Butylbenzylphthalate	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
3,3'-Dichlorobenzidine	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Benzo(a)anthracene	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	30 J
Chrysene	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	23 J	31 J
bis(2-Ethylhexyl)phthalate	ug/Kg 420 U	290 J	230 J	590 J	1100 J	1800 J	200 J	80 J	71 J	41 J
Di-n-octylphthalate	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Benzo(b)fluoranthene	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	21 J	38 J
Benzo(k)fluoranthene	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	21 J	43 J
Benzo(a)pyrene	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	24 J	45 J
Indeno(1,2,3-cd)pyrene	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	37 J
Dibenz(a,h)anthracene	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	28 J
Benzo(g,h,i)perylene	ug/Kg 420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	31 J

SENECA ARMY DEPOT
SEAD-63 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-63 3 06/25/94 TP63-1 225563 45056	SOIL SEAD-63 2 06/26/94 TP63-2 225561 45062	SOIL SEAD-63 6.5 06/26/94 TP63-3 225562 45062	SOIL SEAD-63 3 06/26/94 TP63-4 225563 45062	SOIL SEAD-63 2 06/26/94 TP63-5 225564 45062	SOIL SEAD-63 1.5 06/27/94 TP63-57 225568 45062 TP63-7DUP	SOIL SEAD-63 3 06/27/94 TP63-6 225565 45062	SOIL SEAD-63 1.5 06/27/94 TP63-7 225566 45062	SOIL SEAD-63 1.5 06/27/94 TP63-8 225596 45062	SOIL SEAD-63 2.5 06/27/94 TP63-9 225597 45062
COMPOUND UNITS										
PESTICIDES/PCB										
alpha-BHC	ug/Kg	2.2 UJ	2 UJ	2.3 UJ	1.8 UJ	2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ
beta-BHC	ug/Kg	2.2 UJ	2 UJ	2.3 UJ	1.8 UJ	2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ
delta-BHC	ug/Kg	2.2 UJ	2 UJ	2.3 UJ	1.8 UJ	2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ
gamma-BHC (Lindane)	ug/Kg	2.2 UJ	2 UJ	2.3 UJ	1.8 UJ	2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ
Heptachlor	ug/Kg	2.2 UJ	2 UJ	2.3 UJ	1.8 UJ	2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ
Aldrin	ug/Kg	2.2 UJ	2 UJ	2.3 UJ	1.8 UJ	2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ
Heptachlor epoxide	ug/Kg	2.2 UJ	2 UJ	2.3 UJ	1.8 UJ	2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ
Endosulfan I	ug/Kg	2.2 UJ	2 UJ	2.3 UJ	1.8 UJ	2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ
Dieldrin	ug/Kg	4.2 UJ	3.9 UJ	4.5 UJ	3.8 UJ	4.1 UJ	3.7 UJ	3.8 UJ	3.8 UJ	3.9 UJ
4,4'-DDE	ug/Kg	4.2 UJ	3.9 UJ	4.5 UJ	4.4 J	4.1 UJ	3.7 UJ	3.8 UJ	3.8 UJ	3.9 UJ
Endrin	ug/Kg	4.2 UJ	3.9 UJ	4.5 UJ	3.8 UJ	4.1 UJ	3.7 UJ	3.8 UJ	3.8 UJ	3.9 UJ
Endosulfan II	ug/Kg	4.2 UJ	3.9 UJ	4.5 UJ	3.8 UJ	4.1 UJ	3.7 UJ	3.8 UJ	3.8 UJ	3.9 UJ
4,4'-DDD	ug/Kg	4.2 UJ	3.9 UJ	4.5 UJ	2 J	4.1 UJ	3.7 UJ	3.8 UJ	3.8 UJ	3.9 UJ
Endosulfan sulfate	ug/Kg	4.2 UJ	3.9 UJ	4.5 UJ	3.6 UJ	4.1 UJ	3.7 UJ	3.8 UJ	3.8 UJ	3.9 UJ
4,4'-DDT	ug/Kg	4.2 UJ	3.9 UJ	4.5 UJ	3.3 J	4.1 UJ	3.7 UJ	3.8 UJ	3.8 UJ	3.9 UJ
Methoxychlor	ug/Kg	22 UJ	20 UJ	23 UJ	18 UJ	21 UJ	19 UJ	20 UJ	20 UJ	21 UJ
Endrin ketone	ug/Kg	4.2 UJ	3.9 UJ	4.5 UJ	3.8 UJ	4.1 UJ	3.7 UJ	3.8 UJ	3.8 UJ	3.9 UJ
Endrin aldehyde	ug/Kg	4.2 UJ	3.9 UJ	4.5 UJ	3.6 UJ	4.1 UJ	3.7 UJ	3.8 UJ	3.8 UJ	3.9 UJ
alpha-Chlordane	ug/Kg	2.2 UJ	2 UJ	2.3 UJ	1.8 UJ	2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ
gamma-Chlordane	ug/Kg	2.2 UJ	2 UJ	2.3 UJ	1.8 UJ	2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ
Toxaphene	ug/Kg	220 UJ	200 UJ	230 UJ	180 UJ	210 UJ	190 UJ	200 UJ	200 UJ	210 UJ
Aroclor-1016	ug/Kg	42 UJ	39 UJ	45 UJ	36 UJ	41 UJ	37 UJ	38 UJ	38 UJ	39 UJ
Aroclor-1221	ug/Kg	85 UJ	80 UJ	92 UJ	73 UJ	83 UJ	74 UJ	77 UJ	78 UJ	79 UJ
Aroclor-1232	ug/Kg	42 UJ	39 UJ	45 UJ	36 UJ	41 UJ	37 UJ	38 UJ	38 UJ	39 UJ
Aroclor-1242	ug/Kg	42 UJ	39 UJ	45 UJ	38 UJ	41 UJ	37 UJ	38 UJ	38 UJ	39 UJ
Aroclor-1246	ug/Kg	42 UJ	39 UJ	45 UJ	38 UJ	41 UJ	37 UJ	38 UJ	38 UJ	39 UJ
Aroclor-1254	ug/Kg	42 UJ	39 UJ	45 UJ	36 UJ	41 UJ	37 UJ	38 UJ	38 UJ	39 UJ
Aroclor-1260	ug/Kg	42 UJ	39 UJ	45 UJ	36 UJ	41 UJ	37 UJ	38 UJ	38 UJ	39 UJ
METALS										
Aluminum	mg/Kg	16800	14600 J	16500 J	12300 J	13800 J	15300 J	13200 J	11700 J	16500 J
Antimony	mg/Kg	0.25 UJ	0.26 UJ	0.32 UJ	0.18 UJ	0.27 UJ	0.19 UJ	0.22 UJ	0.23 J	0.3 UJ
Arsenic	mg/Kg	8.1 J	5.4	4.5	4	4.4	4.9	4.5	4.2	5.2
Barium	mg/Kg	88.9	65.3 J	115 J	83.2 J	72 J	75.4 J	75.9 J	45.8 J	59.5 J
Beryllium	mg/Kg	0.71 J	0.74 J	0.8 J	0.53 J	0.69 J	0.64 J	0.64 J	0.54 J	0.64 J
Cadmium	mg/Kg	0.47 J	0.26 J	3.6	24	0.45 J	0.52 J	0.55 J	0.56 J	0.24 J
Calcium	mg/Kg	8810	3830 J	15500 J	28400 J	13300 J	40500 J	41500 J	39800 J	5440 J
Chromium	mg/Kg	26.8	22.9 J	31.8 J	43.5 J	23.2 J	21.6 J	22.1 J	19.1 J	21.5 J
Cobalt	mg/Kg	14.3	11.6	13.7	13.5	12.4	12	13.7	10.7	9.7 J
Copper	mg/Kg	32	27.1 J	33.5 J	49.6 J	33.4 J	35.1 J	37.4 J	35.3 J	20.2 J
Iron	mg/Kg	34300	30100 J	31200 J	28000 J	28100 J	26500 J	28000 J	25000 J	25000 J
Lead	mg/Kg	27.4	18.5	24.9	38.3	22.3	15	20.7	15.6	15.5
Magnesium	mg/Kg	6010	4530 J	6790 J	9400 J	8350 J	8310 J	9180 J	8160 J	4400 J
Manganese	mg/Kg	464	278 J	728 J	396 J	372 J	403 J	438 J	359 J	350 J
Mercury	mg/Kg	0.06 J R	0.05 J	0.49	0.03 J	0.06 J	0.04 J	0.03 J	0.04 J	0.06 J
Nickel	mg/Kg	41.8	31.5 J	38.7 J	44.2 J	42 J	42 J	45.7 J	39.1 J	23.9 J
Potassium	mg/Kg	2160 J	1180 J	1650 J	1250 J	1490 J	2150 J	1670 J	1310 J	1530 J
Selenium	mg/Kg	0.89 J	1.5	1.6	0.91	1.5	0.75	0.95	0.74	1.3
Silver	mg/Kg	0.1 U	0.1 U	0.12 U	0.07 U	0.1 U	0.07 U	0.08 U	0.07 U	0.12 U
Sodium	mg/Kg	115 J	50.6 J	88.4 J	124 J	84.8 J	138 J	132 J	124 J	50.6 J
Thallium	mg/Kg	0.51 J	0.38 U	0.47 U	0.45 J	0.39 U	0.3 J	0.36 J	0.29 J	0.44 U
Vanadium	mg/Kg	28.2	25.2 J	27.2 J	16.8 J	22.4 J	19.3 J	16.8 J	16.8 J	27.6 J
Zinc	mg/Kg	91.3 J	74.8 J	108 J	100 J	76.5 J	88.9 J	82.4 J	95.7 J	68.6 J
Cyanide	mg/Kg	0.59 UJ	0.65 U	0.52 U	0.37 U	0.36 U	0.48 U	0.45 U	0.4 U	0.46 U
OTHER ANALYSES										
Nitrate/Nitrite-Nitrogen	mg/Kg									
Total Petroleum Hydrocarbons	mg/Kg									
Total Solids	%W/W	79.4	83.7	73.4	92.4	81.2	89.5	87.4	85.8	85.2

SENECA ARMY DEPOT
SEAD-63 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-63 1.5 08/28/94 TP63-10 225803 45062	SOIL SEAD-63 3 08/28/94 TP63-11 225804 45062	SOIL SEAD-63 5 06/28/94 TP63-12 225805 45062	SOIL SEAD-63 3 06/28/94 TP63-511 225806 45062 TP63-11DUP
COMPOUND				
VOLATILE ORGANICS				
Chloromethane	ug/Kg	12 U	11 U	12 U
Bromomethane	ug/Kg	12 U	11 U	12 U
Vinyl Chloride	ug/Kg	12 U	11 U	12 U
Chloroethane	ug/Kg	12 U	11 U	12 U
Methylene Chloride	ug/Kg	12 U	11 U	12 U
Acetone	ug/Kg	12 U	11 U	12 U
Carbon Disulfide	ug/Kg	12 U	11 U	12 U
1,1-Dichloroethene	ug/Kg	12 U	11 U	12 U
1,1-Dichloroethane	ug/Kg	12 U	11 U	12 U
1,2-Dichloroethene (total)	ug/Kg	12 U	11 U	12 U
Chloroform	ug/Kg	12 U	11 U	12 U
1,2-Dichloroethane	ug/Kg	12 U	11 U	12 U
2-Butanone	ug/Kg	12 U	11 U	12 U
1,1,1-Trichloroethane	ug/Kg	12 U	11 U	12 U
Carbon Tetrachloride	ug/Kg	12 U	11 U	12 U
Bromodichloromethane	ug/Kg	12 U	11 U	12 U
1,2-Dichloropropane	ug/Kg	12 U	11 U	12 U
cis-1,3-Dichloropropene	ug/Kg	12 U	11 U	12 U
Trichloroethene	ug/Kg	12 U	11 U	12 U
Dibromochloromethane	ug/Kg	12 U	11 U	12 U
1,1,2-Trichloroethane	ug/Kg	12 U	11 U	12 U
Benzene	ug/Kg	12 U	11 U	12 U
trans-1,3-Dichloropropene	ug/Kg	12 U	11 U	12 U
Bromoform	ug/Kg	12 U	11 U	12 U
4-Methyl-2-Pentanone	ug/Kg	12 U	11 U	12 U
2-Hexanone	ug/Kg	12 U	11 U	12 U
Tetrachloroethene	ug/Kg	12 U	11 U	12 U
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	11 U	12 U
Toluene	ug/Kg	12 U	11 U	12 U
Chlorobenzene	ug/Kg	12 U	11 U	12 U
Ethylbenzene	ug/Kg	12 U	11 U	12 U
Styrene	ug/Kg	12 U	11 U	12 U
Xylene (total)	ug/Kg	12 U	11 U	12 U
HERBICIDES				
2,4-D	ug/Kg			
2,4-DB	ug/Kg			
2,4,5-T	ug/Kg			
2,4,5-TP (Sivex)	ug/Kg			
Daipon	ug/Kg			
Dicamba	ug/Kg			
Dichloroprop	ug/Kg			
Dinoseb	ug/Kg			
MCPA	ug/Kg			
MCPP	ug/Kg			
NITROAROMATICS				
HMX	ug/Kg			
RDX	ug/Kg			
1,3,5-Trinitrobenzene	ug/Kg			
1,3-Dinitrobenzene	ug/Kg			
Tetryl	ug/Kg			
2,4,6-Trinitrotoluene	ug/Kg			
4-amino-2,6-Dinitrotoluene	ug/Kg			
2-amino-4,6-Dinitrotoluene	ug/Kg			
2,6-Dinitrotoluene	ug/Kg			
2,4-Dinitrotoluene	ug/Kg			

SENECA ARMY DEPOT
SEAD-63 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-63 1.5 06/28/94 TP63-10 225803 45062	SOIL SEAD-63 3 06/28/94 TP63-11 225804 45062	SOIL SEAD-63 5 06/28/94 TP63-12 225805 45062	SOIL SEAD-63 3 06/28/94 TP63-511 225806 45062 TP63-11DUP
COMPOUND				
SEMIVOLATILE ORGANICS				
Phenol	ug/Kg 410 U	370 U	390 U	370 U
bis(2-Chloroethyl) ether	ug/Kg 410 U	370 U	390 U	370 U
2-Chlorophenol	ug/Kg 410 U	370 U	390 U	370 U
1,3-Dichlorobenzene	ug/Kg 410 U	370 U	390 U	370 U
1,4-Dichlorobenzene	ug/Kg 410 U	370 U	390 U	370 U
1,2-Dichlorobenzene	ug/Kg 410 U	370 U	390 U	370 U
2-Methylphenol	ug/Kg 410 U	370 U	390 U	370 U
2,2'-oxybis(1-Chloropropane)	ug/Kg 410 U	370 U	390 U	370 U
4-Methylphenol	ug/Kg 410 U	370 U	390 U	370 U
N-Nitroso-di-n-propylamine	ug/Kg 410 U	370 U	390 U	370 U
Hexachloroethane	ug/Kg 410 U	370 U	390 U	370 U
Nitrobenzene	ug/Kg 410 U	370 U	390 U	370 U
Isophorone	ug/Kg 410 U	370 U	390 U	370 U
2-Nitrophenol	ug/Kg 410 U	370 U	390 U	370 U
2,4-Dimethylphenol	ug/Kg 410 U	370 U	390 U	370 U
bis(2-Chloroethoxy) methane	ug/Kg 410 U	370 U	390 U	370 U
2,4-Dichlorophenol	ug/Kg 410 U	370 U	390 U	370 U
1,2,4-Trichlorobenzene	ug/Kg 410 U	370 U	390 U	370 U
Naphthalene	ug/Kg 410 U	370 U	390 U	370 U
4-Chloroaniline	ug/Kg 410 U	370 U	390 U	370 U
Hexachlorobutadiene	ug/Kg 410 U	370 U	390 U	370 U
4-Chloro-3-methylphenol	ug/Kg 410 U	370 U	390 U	370 U
2-Methylnaphthalene	ug/Kg 410 U	370 U	390 U	370 U
Hexachlorocyclopentadiene	ug/Kg 410 U	370 U	390 U	370 U
2,4,6-Trichlorophenol	ug/Kg 410 U	370 U	390 U	370 U
2,4,5-Trichlorophenol	ug/Kg 1000 U	890 U	950 U	900 U
2-Chloronaphthalene	ug/Kg 410 U	370 U	390 U	370 U
2-Nitroaniline	ug/Kg 1000 U	890 U	950 U	900 U
Dimethylphthalate	ug/Kg 410 U	370 U	390 U	370 U
Acenaphthylene	ug/Kg 410 U	370 U	390 U	370 U
2,6-Dinitrotoluene	ug/Kg 410 U	370 U	390 U	370 U
3-Nitroaniline	ug/Kg 1000 U	890 U	950 U	900 U
Acenaphthene	ug/Kg 410 U	370 U	390 U	370 U
2,4-Dinitrophenol	ug/Kg 1000 U	890 U	950 U	900 U
4-Nitrophenol	ug/Kg 1000 U	890 U	950 U	900 U
Dibenzofuran	ug/Kg 410 U	370 U	390 U	370 U
2,4-Dinitrotoluene	ug/Kg 410 U	370 U	390 U	370 U
Diethylphthalate	ug/Kg 410 U	370 U	390 U	370 U
4-Chlorophenyl-phenylether	ug/Kg 410 U	370 U	390 U	370 U
Fluorene	ug/Kg 410 U	370 U	390 U	370 U
4-Nitroaniline	ug/Kg 1000 U	890 U	950 U	900 U
4,6-Dinitro-2-methylphenol	ug/Kg 1000 U	890 U	950 U	900 U
N-Nitrosodiphenylamine	ug/Kg 410 U	370 U	390 U	370 U
4-Bromophenyl-phenylether	ug/Kg 410 U	370 U	390 U	370 U
Hexachlorobenzene	ug/Kg 410 U	370 U	390 U	370 U
Pentachlorophenol	ug/Kg 1000 U	890 U	950 U	900 U
Phenanthrene	ug/Kg 410 U	370 U	390 U	370 U
Anthracene	ug/Kg 410 U	370 U	390 U	370 U
Carbazole	ug/Kg 410 U	370 U	390 U	370 U
Di-n-butylphthalate	ug/Kg 410 U	370 U	390 U	370 U
Fluoranthene	ug/Kg 410 U	370 U	390 U	370 U
Pyrene	ug/Kg 410 U	370 U	390 U	370 U
Butylbenzylphthalate	ug/Kg 410 U	370 U	390 U	370 U
3,3'-Dichlorobenzidine	ug/Kg 410 U	370 U	390 U	370 U
Benzo(a)anthracene	ug/Kg 410 U	370 U	390 U	370 U
Chrysene	ug/Kg 410 U	370 U	390 U	370 U
bis(2-Ethylhexyl)phthalate	ug/Kg 67 J	240 J	28 J	360 J
Di-n-octylphthalate	ug/Kg 410 U	370 U	390 U	370 U
Benzo(b)fluoranthene	ug/Kg 410 U	370 U	390 U	370 U
Benzo(k)fluoranthene	ug/Kg 410 U	370 U	390 U	370 U
Benzo(a)pyrene	ug/Kg 410 U	370 U	390 U	370 U
Indeno(1,2,3-cd)pyrene	ug/Kg 410 U	370 U	390 U	370 U
Dibenz(a,h)anthracene	ug/Kg 410 U	370 U	390 U	370 U
Benzo(g,h,i)perylene	ug/Kg 410 U	370 U	390 U	370 U

SENECA ARMY DEPOT
SEAD-63 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-63 1.5 06/28/94 TP63-10 225803 45062	SOIL SEAD-63 3 06/28/94 TP63-11 225804 45062	SOIL SEAD-63 5 06/28/94 TP63-12 225805 45062	SOIL SEAD-63 3 06/28/94 TP63-511 225806 45062 TP63-11DUP	
PESTICIDES/PCB					
alpha-BHC	ug/Kg	2.1 U	1.9 U	2 U	1.9 U
beta-BHC	ug/Kg	2.1 U	1.9 U	2 U	1.9 U
delta-BHC	ug/Kg	2.1 U	1.9 U	2 U	1.9 U
gamma-BHC (Lindane)	ug/Kg	2.1 U	1.9 U	2 U	1.9 U
Heptachlor	ug/Kg	2.1 U	1.9 U	2 U	1.9 U
Aldrin	ug/Kg	2.1 U	1.9 U	2 U	1.9 U
Heptachlor epoxide	ug/Kg	2.1 U	1.9 U	2 U	1.9 U
Endosulfan I	ug/Kg	2.1 U	1.9 U	2 U	1.9 U
Dieldrin	ug/Kg	4.1 U	3.7 U	3.9 U	3.7 U
4,4'-DDE	ug/Kg	4.1 U	1.8 J	3.9 U	2.5 J
Endrin	ug/Kg	4.1 U	3.7 U	3.9 U	3.7 U
Endosulfan II	ug/Kg	4.1 U	3.7 U	3.9 U	3.7 U
4,4'-DDD	ug/Kg	4.1 U	3.7 U	3.9 U	3.7 U
Endosulfan sulfate	ug/Kg	4.1 U	3.7 U	3.9 U	3.7 U
4,4'-DDT	ug/Kg	4.1 U	3.7 U	3.9 U	3.7 U
Methoxychlor	ug/Kg	21 U	19 U	20 U	19 U
Endrin ketone	ug/Kg	4.1 U	3.7 U	3.9 U	3.7 U
Endrin aldehyde	ug/Kg	4.1 U	3.7 U	3.9 U	3.7 U
alpha-Chlordane	ug/Kg	2.1 U	1.9 U	2 U	1.9 U
gamma-Chlordane	ug/Kg	2.1 U	1.9 U	2 U	1.9 U
Toxaphene	ug/Kg	210 U	190 U	200 U	190 U
Aroclor-1016	ug/Kg	41 U	37 U	39 U	37 U
Aroclor-1221	ug/Kg	84 U	74 U	80 U	75 U
Aroclor-1232	ug/Kg	41 U	37 U	39 U	37 U
Aroclor-1242	ug/Kg	41 U	37 U	39 U	37 U
Aroclor-1248	ug/Kg	41 U	37 U	39 U	37 U
Aroclor-1254	ug/Kg	41 U	37 U	39 U	37 U
Aroclor-1260	ug/Kg	41 U	37 U	39 U	37 U
METALS					
Aluminum	mg/Kg	18000 J	13200 J	13600 J	15200 J
Antimony	mg/Kg	0.31 UJ	0.23 UJ	0.29 J	0.24 UJ
Arsenic	mg/Kg	5.3	4.3	4.1	4.6
Barium	mg/Kg	72.4 J	60 J	68.7 J	71.1 J
Beryllium	mg/Kg	0.71 J	0.62 J	0.67 J	0.75 J
Cadmium	mg/Kg	0.39 J	4.2	0.34 J	4.9
Calcium	mg/Kg	14200 J	27500 J	8830 J	26000 J
Chromium	mg/Kg	24.6 J	25.4 J	23.8 J	40.3 J
Cobalt	mg/Kg	12.7	12.4	14.4	13
Copper	mg/Kg	27.3 J	32.9 J	39.1 J	36.2 J
Iron	mg/Kg	28500 J	28100 J	30500 J	30600 J
Lead	mg/Kg	17.1	24.8	19.5	33.4
Magnesium	mg/Kg	5520 J	7970 J	6110 J	8020 J
Manganese	mg/Kg	452 J	458 J	449 J	386 J
Mercury	mg/Kg	0.05 J	0.04 J	0.05 J	0.04 J
Nickel	mg/Kg	33.5 J	41.3 J	48.4 J	46 J
Potassium	mg/Kg	2000 J	1460 J	1460 J	1700 J
Selenium	mg/Kg	1.1 J	1.1	1.1	1.1
Silver	mg/Kg	0.12 U	0.09 U	0.09 U	0.09 U
Sodium	mg/Kg	46.7 U	84.8 J	39.3 J	58.8 J
Thallium	mg/Kg	0.45 U	0.33 U	0.32 U	0.35 U
Vanadium	mg/Kg	28.4 J	18.7 J	18.8 J	21.1 J
Zinc	mg/Kg	63.4 J	76.3 J	70.9 J	131 J
Cyanide	mg/Kg	0.56 U	0.52 U	0.54 U	0.56 U
OTHER ANALYSES					
Nitrate/Nitrite-Nitrogen	mg/Kg				
Total Petroleum Hydrocarbons	mg/Kg				
Total Solids	%W/W	79.6	90.2	83.7	89.1

SENECA ARMY DEPOT
SEAD-63 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-63 07/11/94 MW63-1 226665 45282	WATER SEAD-63 07/11/94 MW63-2 226666 45282	WATER SEAD-63 07/11/94 MW63-3 226667 45282
VOLATILE ORGANICS				
Chloromethane	ug/L	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U
HERBICIDES				
2,4-D	ug/L			
2,4-DB	ug/L			
2,4,5-T	ug/L			
2,4,5-TP (Stivex)	ug/L			
Delapton	ug/L			
Dicamba	ug/L			
Dichloroprop	ug/L			
Dinoseb	ug/L			
MCPA	ug/L			
MCPP	ug/L			
NITROAROMATICS				
HMX	ug/L			
RDX	ug/L			
1,3,5-Trinitrobenzene	ug/L			
1,3-Dinitrobenzene	ug/L			
Tetryl	ug/L			
2,4,6-Trinitrotoluene	ug/L			
4-amino-2,6-Dinitrotoluene	ug/L			
2-amino-4,6-Dinitrotoluene	ug/L			
2,6-Dinitrotoluene	ug/L			
2,4-Dinitrotoluene	ug/L			

SENECA ARMY DEPOT
SEAD-63 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

MATRIX LOCATION	WATER	WATER	WATER
SAMPLE DATE	SEAD-63	SEAD-63	SEAD-63
ES ID	07/11/94	07/11/94	07/11/94
LAB ID	MW63-1	MW63-2	MW63-3
SDG NUMBER	226665	226666	226667
UNITS	45282	45282	45282
COMPOUND			
SEMIVOLATILE ORGANICS			
Phenol	ug/L	11 UJ	2 J
bis(2-Chloroethyl) ether	ug/L	11 UJ	10 UJ
2-Chlorophenol	ug/L	11 UJ	10 UJ
1,3-Dichlorobenzene	ug/L	11 UJ	10 UJ
1,4-Dichlorobenzene	ug/L	11 UJ	10 UJ
1,2-Dichlorobenzene	ug/L	11 UJ	10 UJ
2-Methylphenol	ug/L	11 UJ	10 UJ
2,2'-oxybis(1-Chloropropane)	ug/L	11 UJ	10 UJ
4-Methylphenol	ug/L	11 UJ	10 UJ
N-Nitroso-d-n-propylamine	ug/L	11 UJ	10 UJ
Hexachloroethane	ug/L	11 UJ	10 UJ
Nitrobenzene	ug/L	11 UJ	10 UJ
Isophorone	ug/L	11 UJ	10 UJ
2-Nitrophenol	ug/L	11 UJ	10 UJ
2,4-Dimethylphenol	ug/L	11 UJ	10 UJ
bis(2-Chloroethoxy) methane	ug/L	11 UJ	10 UJ
2,4-Dichlorophenol	ug/L	11 UJ	10 UJ
1,2,4-Trichlorobenzene	ug/L	11 UJ	10 UJ
Naphthalene	ug/L	11 UJ	10 UJ
4-Chloroaniline	ug/L	11 UJ	10 UJ
Hexachlorobutadiene	ug/L	11 UJ	10 UJ
4-Chloro-3-methylphenol	ug/L	11 UJ	10 UJ
2-Methylnaphthalene	ug/L	11 UJ	10 UJ
Hexachlorocyclopentadiene	ug/L	11 UJ	10 UJ
2,4,6-Trichlorophenol	ug/L	11 UJ	10 UJ
2,4,5-Trichlorophenol	ug/L	27 UJ	26 UJ
2-Chloronaphthalene	ug/L	11 UJ	10 UJ
2-Nitroaniline	ug/L	27 UJ	26 UJ
Dimethylphthalate	ug/L	11 UJ	10 UJ
Acenaphthylene	ug/L	11 UJ	10 UJ
2,6-Dinitrotoluene	ug/L	11 UJ	10 UJ
3-Nitroaniline	ug/L	27 UJ	26 UJ
Acenaphthene	ug/L	11 UJ	10 UJ
2,4-Dinitrophenol	ug/L	27 UJ	26 UJ
4-Nitrophenol	ug/L	27 UJ	26 UJ
Dibenzofuran	ug/L	11 UJ	10 UJ
2,4-Dinitrotoluene	ug/L	11 UJ	10 UJ
Diethylphthalate	ug/L	11 UJ	10 UJ
4-Chlorophenyl-phenyl ether	ug/L	11 UJ	10 UJ
Fluorene	ug/L	11 UJ	10 UJ
4-Nitroaniline	ug/L	27 UJ	26 UJ
4,6-Dinitro-2-methylphenol	ug/L	27 UJ	26 UJ
N-Nitrosodiphenylamine	ug/L	11 UJ	10 UJ
4-Bromophenyl-phenyl ether	ug/L	11 UJ	10 UJ
Hexachlorobenzene	ug/L	11 UJ	10 UJ
Pentachlorophenol	ug/L	27 UJ	26 UJ
Phenanthrene	ug/L	11 UJ	10 UJ
Anthracene	ug/L	11 UJ	10 UJ
Carbazole	ug/L	11 UJ	10 UJ
Di-n-butylphthalate	ug/L	11 UJ	10 UJ
Fluoranthene	ug/L	11 UJ	10 UJ
Pyrene	ug/L	11 UJ	10 UJ
Butylbenzylphthalate	ug/L	11 UJ	10 UJ
3,3'-Dichlorobenzidine	ug/L	11 UJ	10 UJ
Benzo(a)anthracene	ug/L	11 UJ	10 UJ
Chrysene	ug/L	11 UJ	10 UJ
bis(2-Ethylhexyl)phthalate	ug/L	11 UJ	13 UJ
Di-n-octylphthalate	ug/L	11 UJ	10 UJ
Benzo(b)fluoranthene	ug/L	11 UJ	10 UJ
Benzo(k)fluoranthene	ug/L	11 UJ	10 UJ
Benzo(a)pyrene	ug/L	11 UJ	10 UJ
Indeno(1,2,3-cd)pyrene	ug/L	11 UJ	10 UJ
Dibenz(a,h)anthracene	ug/L	11 UJ	10 UJ
Benzo(g,h,i)perylene	ug/L	11 UJ	10 UJ

SENECA ARMY DEPOT
SEAD-63 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER
	LOCATION	SEAD-63	SEAD-63	SEAD-63
	SAMPLE DATE	07/11/94	07/11/94	07/11/94
	ES ID	MW63-1	MW63-2	MW63-3
	LAB ID	226665	226666	226667
	SDG NUMBER	45282	45282	45282
	UNITS			
PESTICIDES/PCB				
alpha-BHC	ug/L	0.052 U	0.056 U	0.052 U
beta-BHC	ug/L	0.052 U	0.056 U	0.052 U
delta-BHC	ug/L	0.052 U	0.056 U	0.052 U
gamma-BHC (Lindane)	ug/L	0.052 U	0.056 U	0.052 U
Heptachlor	ug/L	0.052 U	0.056 U	0.052 U
Aldrin	ug/L	0.052 U	0.056 U	0.052 U
Heptachlor epoxide	ug/L	0.052 U	0.056 U	0.052 U
Endosulfan I	ug/L	0.052 U	0.056 U	0.052 U
Dieldrin	ug/L	0.1 U	0.11 U	0.1 U
4,4'-DDE	ug/L	0.1 U	0.11 U	0.1 U
Endrin	ug/L	0.1 U	0.11 U	0.1 U
Endosulfan II	ug/L	0.1 U	0.11 U	0.1 U
4,4'-DDD	ug/L	0.1 U	0.11 U	0.1 U
Endosulfan sulfate	ug/L	0.1 U	0.11 U	0.1 U
4,4'-DDT	ug/L	0.1 U	0.11 U	0.1 U
Methoxychlor	ug/L	0.52 U	0.56 U	0.52 U
Endrin ketone	ug/L	0.1 U	0.11 U	0.1 U
Endrin aldehyde	ug/L	0.1 U	0.11 U	0.1 U
alpha-Chlordane	ug/L	0.052 U	0.056 U	0.052 U
gamma-Chlordane	ug/L	0.052 U	0.056 U	0.052 U
Toxaphene	ug/L	5.2 U	5.6 U	5.2 U
Aroclor-1016	ug/L	1 U	1.1 U	1 U
Aroclor-1221	ug/L	2.1 U	2.2 U	2.1 U
Aroclor-1232	ug/L	1 U	1.1 U	1 U
Aroclor-1242	ug/L	1 U	1.1 U	1 U
Aroclor-1248	ug/L	1 U	1.1 U	1 U
Aroclor-1254	ug/L	1 U	1.1 U	1 U
Aroclor-1260	ug/L	1 U	1.1 U	1 U
METALS				
Aluminum	ug/L	747	376	743
Antimony	ug/L	1.3 U	1.3 U	1.3 U
Arsenic	ug/L	2 U	2 U	2 U
Barium	ug/L	72.6 J	71.2 J	83 J
Beryllium	ug/L	0.1 U	0.1 U	0.1 U
Cadmium	ug/L	0.2 U	0.2 U	0.2 U
Calcium	ug/L	89400	132000	295000
Chromium	ug/L	1.1 J	0.91 J	1.1 J
Cobalt	ug/L	6.2 J	2.4 J	6.2 J
Copper	ug/L	2.1 J	1.4 J	2.6 J
Iron	ug/L	1260	603	1020
Lead	ug/L	1.1 J	0.89 U	0.9 U
Magnesium	ug/L	16400	20000	54600
Manganese	ug/L	548	1070	408
Mercury	ug/L	0.04 U	0.04 U	0.04 U
Nickel	ug/L	9.7 J	4.3 J	10.6 J
Potassium	ug/L	3670 J	2360 J	5340
Selenium	ug/L	2.7 U	2.7 U	2.7 U
Silver	ug/L	0.5 U	0.5 U	0.5 U
Sodium	ug/L	5710	5860	146000
Thallium	ug/L	1.9 U	1.9 U	1.9 U
Vanadium	ug/L	1.5 J	0.81 J	1.5 J
Zinc	ug/L	7.1 J	6.2 J	11.6 J
Cyanide	ug/L	5 U	5 U	5 U
OTHER ANALYSES				
Nitrate/Nitrite-Nitrogen	mg/L			
Total Petroleum Hydrocarbons	mg/L			
pH	Standard Units	7.3	7.3	8.8
Conductivity	umhos/cm	445	650	2100
Temperature	°C	15.2	17.6	18.4
Turbidity	NTU	115	60	68

SENECA ARMY DEPOT
SEAD-63 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

MATRIX LOCATION	WATER SEAD-63	WATER SEAD-63	WATER SEAD-63	WATER SEAD-63
SAMPLE DATE	06/14/94	06/12/94	06/14/94	06/13/94
ES ID	SW63-1	SW63-2	SW63-3	SW63-4
LAB ID	224159	224080	224160	224081
SDG NUMBER	44745	44745	44745	44745
COMPOUND	UNITS			
VOLATILE ORGANICS				
Chloromethane	ug/L	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U
HERBICIDES				
2,4-D	ug/L			
2,4-DB	ug/L			
2,4,5-T	ug/L			
2,4,5-TP (Silvex)	ug/L			
Dalapon	ug/L			
Dicamba	ug/L			
Dichloroprop	ug/L			
Dinoseb	ug/L			
MCPA	ug/L			
MCPP	ug/L			
NITROAROMATICS				
HMX	ug/L			
RDX	ug/L			
1,3,5-Trinitrobenzene	ug/L			
1,3-Dinitrobenzene	ug/L			
Tetryl	ug/L			
2,4,6-Trinitrotoluene	ug/L			
4-amino-2,6-Dinitrotoluene	ug/L			
2-amino-4,6-Dinitrotoluene	ug/L			
2,6-Dinitrotoluene	ug/L			
2,4-Dinitrotoluene	ug/L			

SENECA ARMY DEPOT
SEAD-63 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

MATRIX	WATER	WATER	WATER	WATER
LOCATION	SEAD-63	SEAD-63	SEAD-63	SEAD-63
SAMPLE DATE	06/14/94	08/12/94	06/14/94	06/13/94
ES ID	SW63-1	SW63-2	SW63-3	SW63-4
LAB ID	224159	224080	224180	224081
SDG NUMBER	44745	44745	44745	44745
COMPOUND	UNITS			
SEMIVOLATILE ORGANICS				
Phenol	ug/L	10 U	0.8 J	10 U
bis(2-Chloroethyl) ether	ug/L	10 U	11 U	10 U
2-Chlorophenol	ug/L	10 U	11 U	10 U
1,3-Dichlorobenzene	ug/L	10 U	11 U	10 U
1,4-Dichlorobenzene	ug/L	10 U	11 U	10 U
1,2-Dichlorobenzene	ug/L	10 U	11 U	10 U
2-Methylphenol	ug/L	10 U	11 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	11 U	10 U
4-Methylphenol	ug/L	10 U	11 U	10 U
N-Nitroso-di-n-propylamine	ug/L	10 U	11 U	10 U
Hexachloroethane	ug/L	10 U	11 U	10 U
Nitrobenzene	ug/L	10 U	11 U	10 U
Isophorone	ug/L	10 U	11 U	10 U
2-Nitrophenol	ug/L	10 U	11 U	10 U
2,4-Dimethylphenol	ug/L	10 U	11 U	10 U
bis(2-Chloroethoxy) methane	ug/L	10 U	11 U	10 U
2,4-Dichlorophenol	ug/L	10 U	11 U	10 U
1,2,4-Trichlorobenzene	ug/L	10 U	11 U	10 U
Naphthalene	ug/L	10 U	11 U	10 U
4-Chloroaniline	ug/L	10 U	11 U	10 U
Hexachlorobutadiene	ug/L	10 U	11 U	10 U
4-Chloro-3-methylphenol	ug/L	10 U	11 U	10 U
2-Methylnaphthalene	ug/L	10 U	11 U	10 U
Hexachlorocyclopentadiene	ug/L	10 U	11 U	10 U
2,4,6-Trichlorophenol	ug/L	10 U	11 U	10 U
2,4,5-Trichlorophenol	ug/L	25 U	27 U	25 U
2-Chloronaphthalene	ug/L	10 U	11 U	10 U
2-Nitroaniline	ug/L	25 U	27 U	25 U
Dimethylphthalate	ug/L	10 U	11 U	10 U
Acenaphthylene	ug/L	10 U	11 U	10 U
2,6-Dinitrotoluene	ug/L	10 U	11 U	10 U
3-Nitroaniline	ug/L	25 U	27 U	25 U
Acenaphthene	ug/L	10 U	11 U	10 U
2,4-Dinitrophenol	ug/L	25 U	27 U	25 U
4-Nitrophenol	ug/L	25 U	27 U	25 U
Dibenzofuran	ug/L	10 U	11 U	10 U
2,4-Dinitrotoluene	ug/L	10 U	11 U	10 U
Diethylphthalate	ug/L	10 U	11 U	10 U
4-Chlorophenyl-phenyl ether	ug/L	10 U	11 U	10 U
Fluorene	ug/L	10 U	11 U	10 U
4-Nitroaniline	ug/L	25 U	27 U	25 U
4,6-Dinitro-2-methylphenol	ug/L	25 U	27 U	25 U
N-Nitrosodiphenylamine	ug/L	10 U	11 U	10 U
4-Bromophenyl-phenyl ether	ug/L	10 U	11 U	10 U
Hexachlorobenzene	ug/L	10 U	11 U	10 U
Pentachlorophenol	ug/L	1 J	27 U	25 U
Phenanthrene	ug/L	10 U	11 U	10 U
Anthracene	ug/L	10 U	11 U	10 U
Carbazole	ug/L	10 U	11 U	10 U
Di-n-butylphthalate	ug/L	10 U	11 U	10 U
Fluoranthene	ug/L	0.7 J	11 U	10 U
Pyrene	ug/L	0.5 J	11 U	10 U
Butylbenzyl phthalate	ug/L	10 U	11 U	10 U
3,3'-Dichlorobenzidine	ug/L	10 U	11 U	10 U
Benzo(a)anthracene	ug/L	10 U	11 U	10 U
Chrysene	ug/L	10 U	11 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	1 J	11 U	68
Di-n-octylphthalate	ug/L	10 U	11 U	10 U
Benzo(b)fluoranthene	ug/L	10 U	11 U	0.9 J
Benzo(k)fluoranthene	ug/L	10 U	11 U	1 J
Benzo(a)pyrene	ug/L	10 U	11 U	1 J
Indeno(1,2,3-cd)pyrene	ug/L	10 U	11 U	0.9 J
Dibenz(a,h)anthracene	ug/L	10 U	11 U	0.8 J
Benzo(g,h,i)perylene	ug/L	10 U	11 U	0.8 J

SENECA ARMY DEPOT
SEAD-63 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

MATRIX LOCATION	WATER	WATER	WATER	WATER	
SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	
SAMPLE DATE	06/14/94	06/12/94	06/14/94	06/13/94	
ES ID	SW63-1	SW63-2	SW63-3	SW63-4	
LAB ID	224159	224080	224160	224081	
SDG NUMBER	44745	44745	44745	44745	
COMPOUND	UNITS				
PESTICIDES/PCB					
alpha-BHC	ug/L	0.053 U	0.054 UJ	0.052 UJ	0.053 U
beta-BHC	ug/L	0.053 U	0.054 UJ	0.052 UJ	0.053 U
delta-BHC	ug/L	0.053 U	0.054 UJ	0.052 UJ	0.053 U
gamma-BHC (Lindane)	ug/L	0.053 U	0.054 UJ	0.052 UJ	0.053 U
Heptachlor	ug/L	0.053 U	0.054 UJ	0.052 UJ	0.053 U
Aldrin	ug/L	0.053 U	0.054 UJ	0.052 UJ	0.053 U
Heptachlor epoxide	ug/L	0.053 U	0.054 UJ	0.052 UJ	0.053 U
Endosulfan I	ug/L	0.053 U	0.054 UJ	0.052 UJ	0.053 U
Dieldrin	ug/L	0.11 U	0.11 UJ	0.1 UJ	0.11 U
4,4'-DDE	ug/L	0.11 U	0.11 UJ	0.1 UJ	0.11 U
Endrin	ug/L	0.11 U	0.11 UJ	0.1 UJ	0.11 U
Endosulfan II	ug/L	0.11 U	0.11 UJ	0.1 UJ	0.11 U
4,4'-DDD	ug/L	0.11 U	0.11 UJ	0.1 UJ	0.11 U
Endosulfan sulfate	ug/L	0.11 U	0.11 UJ	0.1 UJ	0.11 U
4,4'-DDT	ug/L	0.11 U	0.11 UJ	0.1 UJ	0.11 U
Methoxychlor	ug/L	0.53 U	0.54 UJ	0.52 UJ	0.53 U
Endrin ketone	ug/L	0.11 U	0.11 UJ	0.1 UJ	0.11 U
Endrin aldehyde	ug/L	0.11 U	0.11 UJ	0.1 UJ	0.11 U
alpha-Chlordane	ug/L	0.053 U	0.054 UJ	0.052 UJ	0.053 U
gamma-Chlordane	ug/L	0.053 U	0.054 UJ	0.052 UJ	0.053 U
Toxaphene	ug/L	5.3 U	5.4 UJ	5.2 UJ	5.3 U
Aroclor-1016	ug/L	1.1 U	1.1 UJ	1 UJ	1.1 U
Aroclor-1221	ug/L	2.1 U	2.2 UJ	2.1 UJ	2.1 U
Aroclor-1232	ug/L	1.1 U	1.1 UJ	1 UJ	1.1 U
Aroclor-1242	ug/L	1.1 U	1.1 UJ	1 UJ	1.1 U
Aroclor-1248	ug/L	1.1 U	1.1 UJ	1 UJ	1.1 U
Aroclor-1254	ug/L	1.1 U	1.1 UJ	1 UJ	1.1 U
Aroclor-1260	ug/L	1.1 U	1.1 UJ	1 UJ	1.1 U
METALS					
Aluminum	ug/L	111 J	3630	235	332
Antimony	ug/L	1.3 U	1.3 U	1.3 U	1.3 U
Arsenic	ug/L	2 U	3.8 J	2 U	2 U
Barium	ug/L	27.9 J	91.4 J	26.4 J	43.1 J
Beryllium	ug/L	0.1 U	0.1 U	0.1 U	0.1 U
Cadmium	ug/L	0.2 U	0.78 J	0.2 U	0.2 U
Calcium	ug/L	89100	220000	75300	122000
Chromium	ug/L	0.88 J	5.6 J	1 J	0.68 J
Cobalt	ug/L	1.2 J	7.2 J	0.5 U	0.99 J
Copper	ug/L	4.8 J	7.9 J	5.6 J	2.8 J
Iron	ug/L	148	9050	282	856
Lead	ug/L	0.9 U	20	0.9 U	0.9 U
Magnesium	ug/L	12900	33700	9640	18700
Manganese	ug/L	101	2300	7.3 J	1200
Mercury	ug/L	0.03 U	0.04 J	0.1 J	0.03 J
Nickel	ug/L	2.5 J	18.8 J	2.3 J	2 J
Potassium	ug/L	3420 J	7910	4200 J	1660 J
Selenium	ug/L	2.7 U	2.7 U	2.7 U	2.7 U
Silver	ug/L	0.89 J	0.5 U	0.53 J	0.5 U
Sodium	ug/L	59300	30700	55100	25400
Thallium	ug/L	1.9 J	1.9 U	1.9 U	1.9 U
Vanadium	ug/L	1.6 J	8.9 J	1.4 J	1.1 J
Zinc	ug/L	2.5 J	99	2.2 J	12.2 J
Cyanide	ug/L	5 U	5 U	5 U	5 U
OTHER ANALYSES					
Nitrate/Nitrite-Nitrogen	mg/L				
Total Petroleum Hydrocarbons	mg/L				
pH	Standard Units	7.2	7.4	8	7.2
Conductivity	umhos/cm	800	100	700	650
Temperature	°C	27.5	28	28	19
Turbidity	NTU	6	212	8.8	33

SENECA ARMY DEPOT
SEAD-83 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SOIL SEAD-63 0-0.2 08/13/94 SD83-1 224082 44748	SOIL SEAD-63 0-0.2 06/12/94 SD83-2 224083 44748	SOIL SEAD-83 0-0.2 08/13/94 SD63-3 224084 44748	SOIL SEAD-83 0-0.2 06/13/94 SD83-3RE 224084 44748	SOIL SEAD-83 0-0.2 06/13/94 SD63-4 224085 44748
VOLATILE ORGANICS					
Chloromethane	ug/Kg	15 U	18 UJ	12 UJ	12 UJ
Bromomethane	ug/Kg	15 U	18 UJ	12 UJ	12 UJ
Vinyl Chloride	ug/Kg	15 U	18 UJ	12 UJ	12 UJ
Chloroethane	ug/Kg	15 U	18 UJ	12 UJ	12 UJ
Methylene Chloride	ug/Kg	15 U	18 UJ	12 UJ	12 UJ
Acetone	ug/Kg	15 U	23 UJ	12 UJ	12 UJ
Carbon Disulfide	ug/Kg	15 U	18 UJ	12 UJ	12 UJ
1,1-Dichloroethane	ug/Kg	15 U	18 UJ	12 UJ	12 UJ
1,1-Dichloroethane	ug/Kg	15 U	18 UJ	12 UJ	12 UJ
1,2-Dichloroethane (total)	ug/Kg	15 U	18 UJ	12 UJ	12 UJ
Chloroform	ug/Kg	15 U	18 UJ	12 UJ	12 UJ
1,2-Dichloroethane	ug/Kg	15 U	18 UJ	12 UJ	12 UJ
2-Butanone	ug/Kg	15 U	8 J	12 UJ	12 UJ
1,1,1-Trichloroethane	ug/Kg	15 U	18 UJ	12 UJ	12 UJ
Carbon Tetrachloride	ug/Kg	15 U	18 UJ	12 UJ	12 UJ
Bromodichloromethane	ug/Kg	15 U	18 UJ	12 UJ	12 UJ
1,2-Dichloropropane	ug/Kg	15 U	18 UJ	12 UJ	12 UJ
cis-1,3-Dichloropropene	ug/Kg	15 U	18 UJ	12 UJ	12 UJ
Trichloroethene	ug/Kg	15 U	18 UJ	12 UJ	12 UJ
Dibromochloromethane	ug/Kg	15 U	18 UJ	12 UJ	12 UJ
1,1,2-Trichloroethane	ug/Kg	15 U	18 UJ	12 UJ	12 UJ
Benzene	ug/Kg	15 U	18 UJ	12 UJ	12 UJ
trans-1,3-Dichloropropene	ug/Kg	15 U	18 UJ	12 UJ	12 UJ
Bromoform	ug/Kg	15 U	18 UJ	12 UJ	12 UJ
4-Methyl-2-Pentanone	ug/Kg	15 U	18 UJ	12 UJ	12 UJ
2-Hexanone	ug/Kg	15 U	18 UJ	12 UJ	12 UJ
Tetrachloroethene	ug/Kg	15 U	18 UJ	12 UJ	12 UJ
1,1,2,2-Tetrachloroethane	ug/Kg	15 U	18 UJ	12 UJ	12 UJ
Toluene	ug/Kg	15 U	18 UJ	12 UJ	12 UJ
Chlorobenzene	ug/Kg	15 U	18 UJ	12 UJ	12 UJ
Ethylbenzene	ug/Kg	15 U	18 UJ	12 UJ	12 UJ
Styrene	ug/Kg	15 U	18 UJ	12 UJ	12 UJ
Xylene (total)	ug/Kg	15 U	18 UJ	12 UJ	12 UJ
HERBICIDES					
2,4-D	ug/Kg				
2,4-DB	ug/Kg				
2,4,5-T	ug/Kg				
2,4,5-TP (Silvex)	ug/Kg				
Dalapon	ug/Kg				
Dicamba	ug/Kg				
Dichloroprop	ug/Kg				
Dinoseb	ug/Kg				
MCPA	ug/Kg				
MCPP	ug/Kg				
NITROAROMATICS					
HMX	ug/Kg				
RDX	ug/Kg				
1,3,5-Trinitrobenzene	ug/Kg				
1,3-Dinitrobenzene	ug/Kg				
Tetryl	ug/Kg				
2,4,6-Trinitrotoluene	ug/Kg				
4-amino-2,6-Dinitrotoluene	ug/Kg				
2-amino-4,6-Dinitrotoluene	ug/Kg				
2,6-Dinitrotoluene	ug/Kg				
2,4-Dinitrotoluene	ug/Kg				

SENECA ARMY DEPOT
SEAD-63 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-63 0-0.2 06/13/94 SD63-1 224082 44748	SOIL SEAD-63 0-0.2 06/12/94 SD63-2 224083 44748	SOIL SEAD-63 0-0.2 06/13/94 SD63-3 224084 44748	SOIL SEAD-63 0-0.2 06/13/94 SD63-3RE 224084 44748	SOIL SEAD-63 0-0.2 06/13/94 SD63-4 224085 44748
COMPOUND UNITS					
SEMIVOLATILE ORGANICS					
Phenol ug/Kg	480 U	700 UJ	390 U		720 UJ
bis(2-Chloroethyl) ether ug/Kg	480 U	700 UJ	390 U		720 UJ
2-Chlorophenol ug/Kg	480 U	700 UJ	390 U		720 UJ
1,3-Dichlorobenzene ug/Kg	480 U	700 UJ	390 U		720 UJ
1,4-Dichlorobenzene ug/Kg	480 U	700 UJ	390 U		720 UJ
1,2-Dichlorobenzene ug/Kg	480 U	700 UJ	390 U		720 UJ
2-Methylphenol ug/Kg	480 U	700 UJ	390 U		720 UJ
2,2'-oxybis(1-Chloropropane) ug/Kg	480 U	700 UJ	390 U		720 UJ
4-Methylphenol ug/Kg	480 U	700 UJ	390 U		720 UJ
N-Nitroso-di-n-propylamine ug/Kg	480 U	700 UJ	390 U		720 UJ
Hexachloroethane ug/Kg	480 U	700 UJ	390 U		720 UJ
Nitrobenzene ug/Kg	480 U	700 UJ	390 U		720 UJ
Isophorone ug/Kg	480 U	700 UJ	390 U		720 UJ
2-Nitrophenol ug/Kg	480 U	700 UJ	390 U		720 UJ
2,4-Dimethylphenol ug/Kg	480 U	700 UJ	390 U		720 UJ
bis(2-Chloroethoxy) methane ug/Kg	480 U	700 UJ	390 U		720 UJ
2,4-Dichlorophenol ug/Kg	480 U	700 UJ	390 U		720 UJ
1,2,4-Trichlorobenzene ug/Kg	480 U	700 UJ	390 U		720 UJ
Naphthalene ug/Kg	480 U	700 UJ	390 U		720 UJ
4-Chloroaniline ug/Kg	480 U	700 UJ	390 U		720 UJ
Hexachlorobutadiene ug/Kg	480 U	700 UJ	390 U		720 UJ
4-Chloro-3-methylphenol ug/Kg	480 U	700 UJ	390 U		720 UJ
2-Methylnaphthalene ug/Kg	480 U	700 UJ	390 U		720 UJ
Hexachlorocyclopentadiene ug/Kg	480 U	700 UJ	390 U		720 UJ
2,4,6-Trichlorophenol ug/Kg	480 U	700 UJ	390 U		720 UJ
2,4,5-Trichlorophenol ug/Kg	1200 U	1700 UJ	940 U		1700 UJ
2-Chloronaphthalene ug/Kg	480 U	700 UJ	390 U		720 UJ
2-Nitroaniline ug/Kg	1200 U	1700 UJ	940 U		1700 UJ
Dimethylphthalate ug/Kg	480 U	700 UJ	390 U		720 UJ
Acenaphthylene ug/Kg	480 U	700 UJ	390 U		720 UJ
2,6-Dinitrotoluene ug/Kg	480 U	700 UJ	390 U		720 UJ
3-Nitroaniline ug/Kg	1200 U	1700 UJ	940 U		1700 UJ
Acenaphthene ug/Kg	480 U	700 UJ	390 U		720 UJ
2,4-Dinitrophenol ug/Kg	1200 U	1700 UJ	940 U		1700 UJ
4-Nitrophenol ug/Kg	1200 U	1700 UJ	940 U		1700 UJ
Dibenzofuran ug/Kg	480 U	700 UJ	390 U		720 UJ
2,4-Dinitrotoluene ug/Kg	480 U	700 UJ	390 U		720 UJ
Diethylphthalate ug/Kg	480 U	700 UJ	390 U		720 UJ
4-Chlorophenyl-phenylether ug/Kg	480 U	700 UJ	390 U		720 UJ
Fluorene ug/Kg	480 U	700 UJ	390 U		720 UJ
4-Nitroaniline ug/Kg	1200 U	1700 UJ	940 U		1700 UJ
4,6-Dinitro-2-methylphenol ug/Kg	1200 U	1700 UJ	940 U		1700 UJ
N-Nitrosodiphenylamine ug/Kg	480 U	700 UJ	390 U		720 UJ
4-Bromophenyl-phenylether ug/Kg	480 U	700 UJ	390 U		720 UJ
Hexachlorobenzene ug/Kg	480 U	700 UJ	390 U		720 UJ
Pentachlorophenol ug/Kg	1200 U	1700 UJ	940 U		1700 UJ
Phenanthrene ug/Kg	49 J	120 J	50 J		270 J
Anthracene ug/Kg	480 U	700 UJ	390 U		48 J
Carbazole ug/Kg	480 U	700 UJ	390 U		34 J
Di-n-butylphthalate ug/Kg	480 U	700 UJ	390 U		720 UJ
Fluoranthene ug/Kg	110 J	240 J	100 J		720 J
Pyrene ug/Kg	100 J	220 J	110 J		600 J
Butylbenzylphthalate ug/Kg	480 U	700 UJ	390 U		720 UJ
3,3'-Dichlorobenzidine ug/Kg	480 U	700 UJ	390 U		720 UJ
Benzo(a)anthracene ug/Kg	69 J	140 J	70 J		350 J
Chrysene ug/Kg	110 J	200 J	110 J		540 J
bis(2-Ethylhexyl)phthalate ug/Kg	25 J	700 UJ	390 U		720 UJ
Di-n-octylphthalate ug/Kg	480 U	700 UJ	19 J		720 UJ
Benzo(b)fluoranthene ug/Kg	130 J	380 J	110 J		860 J
Benzo(k)fluoranthene ug/Kg	89 J	180 J	66 J		470 J
Benzo(a)pyrene ug/Kg	73 J	170 J	79 J		540 J
Indeno(1,2,3-cd)pyrene ug/Kg	48 J	83 J	42 J		320 J
Dibenz(a,h)anthracene ug/Kg	480 U	700 UJ	390 U		140 J
Benzo(g,h,i)perylene ug/Kg	38 J	71 J	37 J		230 J

SENECA ARMY DEPOT
SEAD-63 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SOIL SEAD-63 0-0.2 06/13/94 SD63-1 224062 44748	SOIL SEAD-63 0-0.2 06/12/94 SD63-2 224083 44748	SOIL SEAD-63 0-0.2 06/13/94 SD63-3 224084 44746	SOIL SEAD-63 0-0.2 06/13/94 SD63-3RE 224084 44746	SOIL SEAD-63 0-0.2 06/13/94 SD63-4 224085 44748
PESTICIDES/PCB						
alpha-BHC	ug/Kg	2.5 UJ	3.6 UJ	2 UJ		3.7 UJ
beta-BHC	ug/Kg	2.5 UJ	3.8 UJ	2 UJ		3.7 UJ
delta-BHC	ug/Kg	2.5 UJ	3.6 UJ	2 UJ		3.7 UJ
gamma-BHC (Lindane)	ug/Kg	2.5 UJ	3.6 UJ	2 UJ		3.7 UJ
Heptachlor	ug/Kg	2.5 UJ	3.6 UJ	2 UJ		3.7 UJ
Aldrin	ug/Kg	2.5 UJ	3.6 UJ	2 UJ		3.7 UJ
Heptachlor epoxide	ug/Kg	2.5 UJ	3.6 UJ	2 UJ		3.7 UJ
Endosulfan I	ug/Kg	2.5 UJ	7.5 J	4.6 J		3.7 UJ
Dieldrin	ug/Kg	4.9 UJ	7 UJ	3.9 UJ		7.2 UJ
4,4'-DDE	ug/Kg	4.9 UJ	6 J	3.9 UJ		9.2 J
Endrin	ug/Kg	4.9 UJ	7 UJ	3.9 UJ		7.2 UJ
Endosulfan II	ug/Kg	4.9 UJ	7 UJ	3.9 UJ		7.2 UJ
4,4'-DDD	ug/Kg	4.9 UJ	7 UJ	3.9 UJ		3.9 J
Endosulfan sulfate	ug/Kg	4.9 UJ	7 UJ	3.9 UJ		5.2 J
4,4'-DDT	ug/Kg	4.9 UJ	7 UJ	3.9 UJ		4.3 J
Methoxychlor	ug/Kg	25 UJ	36 UJ	20 UJ		37 UJ
Endrin ketone	ug/Kg	4.9 UJ	7 UJ	3.9 UJ		9.4 J
Endrin aldehyde	ug/Kg	4.9 UJ	7 UJ	3.9 UJ		7.2 UJ
alpha-Chlordane	ug/Kg	2.5 UJ	3.8 UJ	2 UJ		3.7 UJ
gamma-Chlordane	ug/Kg	2.5 UJ	3.6 UJ	2 UJ		3.7 UJ
Toxaphene	ug/Kg	250 UJ	360 UJ	200 UJ		370 UJ
Aroclor-1016	ug/Kg	49 UJ	70 UJ	39 UJ		72 UJ
Aroclor-1221	ug/Kg	99 UJ	140 UJ	79 UJ		150 UJ
Aroclor-1232	ug/Kg	49 UJ	70 UJ	39 UJ		72 UJ
Aroclor-1242	ug/Kg	49 UJ	70 UJ	39 UJ		72 UJ
Aroclor-1248	ug/Kg	49 UJ	70 UJ	39 UJ		72 UJ
Aroclor-1254	ug/Kg	49 UJ	70 UJ	39 UJ		72 UJ
Aroclor-1260	ug/Kg	49 UJ	70 UJ	39 UJ		72 UJ
METALS						
Aluminum	mg/Kg	7590	11700 J	11100		11000 J
Antimony	mg/Kg	0.3 UJ	0.33 UJ	0.23 UJ		0.42 UJ
Arsenic	mg/Kg	4.1	3.7 J	4.3		2.4 J
Barium	mg/Kg	38.3 J	63.5 J	37.2		90.6 J
Beryllium	mg/Kg	0.44 J	0.59 J	0.52 J		0.54 J
Cadmium	mg/Kg	0.6 J	0.83 J	0.38 J		0.68 J
Calcium	mg/Kg	101000	89800 J	31500		34100 J
Chromium	mg/Kg	13.6 J	19.1 J	20.3 J		18.2 J
Cobalt	mg/Kg	10.6 J	11.9 J	11.2		10.5 J
Copper	mg/Kg	25.2	35.6 J	32.7		30.7 J
Iron	mg/Kg	17100	19200 J	26500 J		18700 J
Lead	mg/Kg	33.5 R	37.4 R	27.5 R		37.2 R
Magnesium	mg/Kg	15000	13900 J	6210		8590 J
Manganese	mg/Kg	448	653 J	260		801 J
Mercury	mg/Kg	0.04 J	0.06 J	0.03 J		0.12 J
Nickel	mg/Kg	29.8	35 J	44.2		32.8 J
Potassium	mg/Kg	1370 J	2570 J	1340 J		1670 J
Selenium	mg/Kg	0.62 U	0.68 UJ	1.1		0.97 J
Silver	mg/Kg	0.11 U	0.13 UJ	0.09 U		0.16 UJ
Sodium	mg/Kg	121 J	194 J	197 J		119 J
Thallium	mg/Kg	0.44 U	0.48 UJ	0.34 U		0.62 UJ
Vanadium	mg/Kg	19.9	27.5 J	19.1		21.2 J
Zinc	mg/Kg	105	133 J	68		325 J
Cyanide	mg/Kg	0.6 U	0.97 UJ	0.53 U		0.99 UJ
OTHER ANALYSES						
Nitrate/Nitrite-Nitrogen	mg/Kg					
Total Petroleum Hydrocarbons	mg/Kg					
Total Solids	%W/W	68.1	48.7	85.1		46.2

**SENECA ARMY DEPOT
SEAD-63 EXPANDED SITE INSPECTION
SOIL RADIOACTIVITY ANALYSIS RESULTS**

	MEDIA SWMU DEPTH (FT)	SOIL SEAD-63 6/25/94 TP63-1 225672 UNITS	SOIL SEAD-63 6/26/94 TP63-2 225673	SOIL SEAD-63 6/26/94 TP63-3 225674	SOIL SEAD-63 6/26/94 TP63-4 225675	SOIL SEAD-63 6/26/94 TP63-5 225676	SOIL SEAD-63 6/27/94 TP63-6 225677	SOIL SEAD-63 6/27/94 TP63-7 225678	SOIL SEAD-63 6/27/94 TP63-57 225680 TP63-7DUP	SOIL SEAD-63 6/27/94 TP63-8 225682	SOIL SEAD-63 6/27/94 TP63-9 225683
Gross Alpha	pCi/g	14 ± 7	12 ± 8	12 ± 8	7 ± 7	8 ± 7	11 ± 8	9 ± 7	12 ± 8	8 ± 7	11 ± 7
Gross Beta	pCi/g	37 ± 6	27 ± 7	22 ± 6	35 ± 7	28 ± 6	32 ± 7	31 ± 7	25 ± 6	22 ± 6	23 ± 6
Gamma Spectral											
Lead-210 @ 46KeV	pCi/g	1.7 ± 0.5	1.6 ± 0.6	1.6 ± 0.4	1.7 ± 0.5	1.9 ± 0.6	1.6 ± 0.4	1.8 ± 0.6	1.5 ± 0.4	1.4 ± 0.5	1.7 ± 0.7
Thorium-234 @ 63.3 KeV	pCi/g	0.42 ± 0.29	0.83 ± 0.41	0.40 ± 0.26	0.74 ± 0.28	1.1 ± 0.4	0.43 ± 0.27	0.75 ± 0.62	0.60 ± 0.28	0.46 ± 0.28	0.91 ± 0.41
Thorium-234 @ 92.6 KeV	pCi/g	0.29 ± 0.21	0.36 ± 0.43	0.31 ± 0.21	0.45 ± 0.22	0.56 ± 0.41	0.29 ± 0.17	0.58 ± 0.43	0.23 ± 0.20	0.42 ± 0.19	0.43 ± 0.47
Radium-226 @ 186 KeV	pCi/g	1.5 ± 0.4	1.2 ± 0.4	1.1 ± 0.3	1.2 ± 0.4	1.4 ± 0.4	1.3 ± 0.4	1.3 ± 0.4	1.5 ± 0.4	1.5 ± 0.4	1.6 ± 0.4
Lead-214 @ 295.2 KeV	pCi/g	0.90 ± 0.15	0.99 ± 0.16	0.81 ± 0.14	1.0 ± 0.2	0.80 ± 0.14	0.88 ± 0.15	0.95 ± 0.16	0.90 ± 0.15	0.72 ± 0.14	0.78 ± 0.14
Lead-214 @ 352 KeV	pCi/g	0.98 ± 0.12	0.91 ± 0.12	0.93 ± 0.11	0.94 ± 0.11	0.94 ± 0.12	0.92 ± 0.11	0.80 ± 0.11	0.94 ± 0.11	0.89 ± 0.11	0.82 ± 0.11
Bismuth-214 @ 609.4 KeV	pCi/g	0.89 ± 0.12	0.81 ± 0.12	0.82 ± 0.11	0.93 ± 0.13	0.89 ± 0.13	0.85 ± 0.12	0.84 ± 0.12	0.87 ± 0.12	0.74 ± 0.11	0.80 ± 0.12
Bismuth-214 @ 1120.4 KeV	pCi/g	1.0 ± 0.3	0.97 ± 0.30	1.0 ± 0.3	0.31 ± 0.65	0.68 ± 0.28	0.91 ± 0.27	0.70 ± 0.29	1.0 ± 0.3	0.88 ± 0.26	0.36 ± 0.26
Bismuth-214 @ 1764.7 KeV	pCi/g	0.85 ± 0.25	0.80 ± 0.26	0.63 ± 0.22	0.96 ± 0.26	0.85 ± 0.27	0.94 ± 0.26	0.91 ± 0.27	0.86 ± 0.25	0.80 ± 0.24	0.51 ± 0.23
Actinium-228 @ 338 KeV	pCi/g	1.0 ± 0.4	0.82 ± 0.36	0.83 ± 0.35	0.98 ± 0.40	1.1 ± 0.4	0.89 ± 0.37	1.2 ± 0.5	0.89 ± 0.37	0.88 ± 0.37	0.95 ± 0.40
Actinium-228 @ 911 KeV	pCi/g	0.91 ± 0.25	1.0 ± 0.3	1.0 ± 0.3	1.1 ± 0.3	1.2 ± 0.3	0.85 ± 0.23	1.0 ± 0.3	0.94 ± 0.25	0.92 ± 0.24	0.89 ± 0.25
Actinium-228 @ 968 KeV	pCi/g	1.3 ± 0.3	1.3 ± 0.4	0.86 ± 0.30	0.94 ± 0.29	1.0 ± 0.4	1.1 ± 0.3	1.0 ± 0.4	1.1 ± 0.3	0.76 ± 0.26	0.80 ± 0.35
Lead-212 @ 238 KeV	pCi/g	0.98 ± 0.19	0.89 ± 0.19	0.78 ± 0.17	0.99 ± 0.20	0.83 ± 0.20	0.87 ± 0.18	0.91 ± 0.17	1.0 ± 0.2	0.81 ± 0.16	0.68 ± 0.15
Bismuth-212 @ 727 KeV	pCi/g	1.2 ± 0.4	0.91 ± 0.39	1.2 ± 0.4	1.3 ± 0.4	0.98 ± 0.41	1.4 ± 0.4	1.8 ± 0.5	1.2 ± 0.4	1.1 ± 0.4	0.93 ± 0.40
Thallium-208 @ 583 KeV	pCi/g	0.32 ± 0.05	0.33 ± 0.06	0.29 ± 0.05	0.33 ± 0.05	0.36 ± 0.06	0.32 ± 0.05	0.37 ± 0.06	0.32 ± 0.05	0.30 ± 0.05	0.29 ± 0.06
Thallium-208 @ 860 KeV	pCi/g	0.43 ± 0.22	0.82 ± 0.69	0.55 ± 0.23	0.53 ± 0.24	0.78 ± 0.73	0.52 ± 0.23	0.51 ± 0.73	0.64 ± 0.24	0.30 ± 0.20	0.36 ± 0.22
Uranium-235 @ 143.8 KeV	pCi/g	-0.09 ± 0.23	0.03 ± 0.06	0.09 ± 0.21	0.00 ± 0.23	0.10 ± 0.06	0.09 ± 0.06	0.09 ± 0.15	0.15 ± 0.22	0.26 ± 0.22	0.05 ± 0.06
Cesium-137 @ 661 KeV	pCi/g	-0.03 ± 0.11	-0.03 ± 0.08	0.10 ± 0.03	0.26 ± 0.04	0.12 ± 0.04	0.07 ± 0.03	-0.09 ± 0.09	-0.03 ± 0.11	0.05 ± 0.03	0.08 ± 0.08
Potassium-40 @ 1460 KeV	pCi/g	23 ± 2	20 ± 2	19 ± 2	25 ± 2	23 ± 2	25 ± 2	24 ± 2	23 ± 2	20 ± 2	19 ± 2

**SENECA ARMY DEPOT
SEAD-63 EXPANDED SITE INSPECTION
SOIL RADIOACTIVITY ANALYSIS RESULTS**

	MEDIA SWMU	SOIL SEAD-63	SOIL SEAD-63	SOIL SEAD-63	SOIL SEAD-63
	DEPTH (FT)	1.5	3	3	5
	DATE SAMPLED	6/28/94	6/28/94	6/28/94	6/28/94
	ES ID	TP63-10	TP63-11	TP63-511	TP63-12
	LAB ID	225821	225822	225825	225824
	UNITS			TP63-11DUP	
Gross Alpha	pCi/g	17 ± 8	7 ± 4	10 ± 5	10 ± 4
Gross Beta	pCi/g	34 ± 7	37 ± 6	40 ± 6	42 ± 6
Gamma Spectral					
Lead-210 @ 46KeV	pCi/g	2.1 ± 0.6	2.1 ± 0.5	1.9 ± 0.7	2.1 ± 0.5
Thorium-234 @ 63.3 KeV	pCi/g	0.94 ± 0.42	0.29 ± 0.26	1.1 ± 0.4	0.46 ± 0.27
Thorium-234 @ 92.6 KeV	pCi/g	0.49 ± 0.43	0.46 ± 0.23	0.48 ± 0.42	0.40 ± 0.19
Radium-226 @ 186 KeV	pCi/g	1.4 ± 0.4	1.5 ± 0.4	1.4 ± 0.4	1.2 ± 0.4
Lead-214 @ 295.2 KeV	pCi/g	0.84 ± 0.15	0.97 ± 0.16	0.96 ± 0.16	0.98 ± 0.16
Lead-214 @ 352 KeV	pCi/g	0.85 ± 0.11	0.96 ± 0.12	0.99 ± 0.12	0.99 ± 0.12
Biismuth-214 @ 609.4 KeV	pCi/g	0.86 ± 0.12	0.95 ± 0.12	0.88 ± 0.13	0.92 ± 0.12
Biismuth-214 @ 1120.4 KeV	pCi/g	0.75 ± 0.29	1.1 ± 0.3	0.21 ± 0.32	0.76 ± 0.26
Biismuth-214 @ 1764.7 KeV	pCi/g	0.66 ± 0.24	0.85 ± 0.25	0.68 ± 0.25	0.89 ± 0.25
Actinium-228 @ 338 KeV	pCi/g	0.84 ± 0.37	0.92 ± 0.38	1.2 ± 0.5	0.95 ± 0.39
Actinium-228 @ 911 KeV	pCi/g	0.87 ± 0.24	1.0 ± 0.3	1.1 ± 0.3	0.95 ± 0.25
Actinium-228 @ 968 KeV	pCi/g	0.92 ± 0.31	1.2 ± 0.3	0.92 ± 0.3	1.2 ± 0.3
Lead-212 @ 238 KeV	pCi/g	0.72 ± 0.18	0.96 ± 0.20	0.99 ± 0.21	1.0 ± 0.2
Biismuth-212 @ 727 KeV	pCi/g	0.86 ± 0.41	1.5 ± 0.4	1.5 ± 0.5	1.2 ± 0.4
Thallium-208 @ 583 KeV	pCi/g	0.29 ± 0.05	0.39 ± 0.06	0.34 ± 0.06	0.39 ± 0.06
Thallium-208 @ 860 KeV	pCi/g	0.56 ± 0.71	0.39 ± 0.22	0.41 ± 0.23	0.40 ± 0.23
Uranium-235 @ 143.8 KeV	pCi/g	-0.02 ± 0.15	0.08 ± 0.06	0.08 ± 0.06	-0.03 ± 0.23
Cesium-137 @ 661 KeV	pCi/g	0.05 ± 0.06	0.26 ± 0.04	0.26 ± 0.05	0.05 ± 0.10
Potassium-40 @ 1460 KeV	pCi/g	20 ± 2	26 ± 2	26 ± 3	27 ± 2

**SENECA ARMY DEPOT
SEAD-63 EXPANDED SITE INSPECTION
GROUNDWATER RADIOACTIVITY ANALYSIS RESULTS**

	MEDIA SWMU	WATER SEAD-63	WATER SEAD-63	WATER SEAD-63
	DATE SAMPLED	7/11/94	7/11/94	7/11/94
	ES ID	MW63-1	MW63-2	MW63-3
	LAB ID	226695	226696	226697
	UNITS			
Gross Alpha	pCi/L	16 ± 11	0 ± 4	92 ± 38
Gross Beta	pCi/L	42 ± 9	3 ± 4	100 ± 30
Gamma Spectral				
Lead-210 @ 46KeV	pCi/L	ND	ND	ND
Thorium-234 @ 63.3 KeV	pCi/L	ND	ND	ND
Thorium-234 @ 92.6 KeV	pCi/L	ND	ND	ND
Radium-226 @ 186 KeV	pCi/L	ND	ND	ND
Lead-214 @ 295.2 KeV	pCi/L	ND	ND	ND
Lead-214 @ 352 KeV	pCi/L	ND	ND	ND
Bismuth-214 @ 609.4 KeV	pCi/L	ND	ND	ND
Bismuth-214 @ 1120.4 KeV	pCi/L	ND	ND	ND
Bismuth-214 @ 1764.7 KeV	pCi/L	ND	ND	ND
Actinium-228 @ 338 KeV	pCi/L	ND	ND	ND
Actinium-228 @ 911 KeV	pCi/L	ND	ND	ND
Actinium-228 @ 968 KeV	pCi/L	ND	ND	ND
Lead-212 @ 238 KeV	pCi/L	ND	ND	ND
Bismuth-212 @ 727 KeV	pCi/L	ND	ND	ND
Thallium-208 @ 583 KeV	pCi/L	ND	ND	ND
Thallium-208 @ 860 KeV	pCi/L	ND	ND	ND
Uranium-235 @ 143.8 KeV	pCi/L	ND	ND	ND
Cesium-137 @ 661 KeV	pCi/L	ND	ND	ND
Potassium-40 @ 1460 KeV	pCi/L	ND	ND	ND

**SENECA ARMY DEPOT
SEAD-63 EXPANDED SITE INSPECTION
SURFACE WATER RADIOACTIVITY ANALYSIS RESULTS**

	MEDIA SWMU	WATER SEAD-63	WATER SEAD-63	WATER SEAD-63	WATER SEAD-63
	DATE SAMPLED	6/14/94	6/12/94	6/14/94	6/13/94
	ES ID	SW63-1	SW63-2	SW63-3	SW63-4
	LAB ID	224321	224314	224322	224315
	UNITS				
Gross Alpha	pCi/L	1 ± 3	75 ± 32	0 ± 3	5 ± 6
Gross Beta	pCi/L	8 ± 4	150 ± 30	6 ± 4	16 ± 7
Gamma Spectral					
Lead-210 @ 46KeV	pCi/L	ND	ND	ND	ND
Thorium-234 @ 63.3 KeV	pCi/L	ND	ND	ND	ND
Thorium-234 @ 92.6 KeV	pCi/L	ND	ND	ND	ND
Radium-226 @ 186 KeV	pCi/L	ND	ND	ND	ND
Lead-214 @ 295.2 KeV	pCi/L	ND	ND	ND	ND
Lead-214 @ 352 KeV	pCi/L	ND	ND	ND	ND
Bismuth-214 @ 609.4 KeV	pCi/L	ND	ND	ND	ND
Bismuth-214 @ 1120.4 KeV	pCi/L	ND	ND	ND	ND
Bismuth-214 @ 1764.7 KeV	pCi/L	ND	ND	ND	ND
Actinium-228 @ 338 KeV	pCi/L	ND	ND	ND	ND
Actinium-228 @ 911 KeV	pCi/L	ND	ND	ND	ND
Actinium-228 @ 968 KeV	pCi/L	ND	ND	ND	ND
Lead-212 @ 238 KeV	pCi/L	ND	ND	ND	ND
Bismuth-212 @ 727 KeV	pCi/L	ND	ND	ND	ND
Thallium-208 @ 583 KeV	pCi/L	ND	ND	ND	ND
Thallium-208 @ 860 KeV	pCi/L	ND	ND	ND	ND
Uranium-235 @ 143.8 KeV	pCi/L	ND	ND	ND	ND
Cesium-137 @ 661 KeV	pCi/L	ND	ND	ND	ND
Potassium-40 @ 1460 KeV	pCi/L	-18 ± 68	130 ± 80	12 ± 60	-15 ± 36

**SENECA ARMY DEPOT
SEAD-63 EXPANDED SITE INSPECTION
SEDIMENT RADIOACTIVITY ANALYSIS RESULTS**

	MEDIA SWMU	SOIL SEAD-63	SOIL SEAD-63	SOIL SEAD-63	SOIL SEAD-63
	DEPTH (FT)	0-0.2	0-0.2	0-0.2	0-0.2
	DATE SAMPLED	6/13/94	6/12/94	6/13/94	6/13/94
	ES ID	SD63-1	SD63-2	SD63-3	SD63-4
	LAB ID	224313	224309	224310	224311
	UNITS				
Gross Alpha	pCi/g	11 ± 6	13 ± 5	14 ± 5	13 ± 6
Gross Beta	pCi/g	24 ± 6	29 ± 6	36 ± 6	33 ± 6
Gamma Spectral					
Lead-210 @ 46KeV	pCi/g	4.1 ± 0.8	3.2 ± 0.7	2.8 ± 0.7	3.2 ± 0.7
Thorium-234 @ 63.3 KeV	pCi/g	0.5 ± 0.32	0.24 ± 0.24	0.57 ± 0.41	0.07 ± 0.24
Thorium-234 @ 92.6 KeV	pCi/g	0.07 ± 0.14	0.05 ± 0.15	0.6 ± 0.37	0.36 ± 0.16
Radium-226 @ 186 KeV	pCi/g	1.1 ± 0.3	0.93 ± 0.34	0.98 ± 0.96	1.4 ± 0.4
Lead-214 @ 295.2 KeV	pCi/g	0.81 ± 0.14	0.68 ± 0.13	1.1 ± 0.2	0.84 ± 0.14
Lead-214 @ 352 KeV	pCi/g	0.80 ± 0.11	0.79 ± 0.1	1.1 ± 0.1	0.81 ± 0.11
Bismuth-214 @ 609.4 KeV	pCi/g	0.91 ± 0.13	0.66 ± 0.11	1.0 ± 0.1	0.79 ± 0.12
Bismuth-214 @ 1120.4 KeV	pCi/g	0.75 ± 0.26	0.73 ± 0.26	1.1 ± 0.3	1.0 ± 0.3
Bismuth-214 @ 1764.7 KeV	pCi/g	0.98 ± 0.24	0.55 ± 0.2	0.86 ± 0.3	0.74 ± 0.21
Actinium-228 @ 338 KeV	pCi/g	0.57 ± 0.26	0.54 ± 0.25	0.97 ± 0.4	0.67 ± 0.3
Actinium-228 @ 911 KeV	pCi/g	0.55 ± 0.18	0.61 ± 0.19	0.9 ± 0.25	0.76 ± 0.22
Actinium-228 @ 968 KeV	pCi/g	0.65 ± 0.23	0.68 ± 0.23	0.7 ± 0.29	0.93 ± 0.29
Lead-212 @ 238 KeV	pCi/g	0.62 ± 0.14	0.63 ± 0.14	0.91 ± 0.2	0.78 ± 0.16
Bismuth-212 @ 727 KeV	pCi/g	1.0 ± 0.5	0.8 ± 0.53	1.2 ± 0.4	1.3 ± 0.6
Thallium-208 @ 583 KeV	pCi/g	0.21 ± 0.04	0.21 ± 0.04	0.34 ± 0.59	0.22 ± 0.04
Thallium-208 @ 860 KeV	pCi/g	0.51 ± 0.74	0.42 ± 0.21	0.44 ± 0.25	0.39 ± 0.21
Uranium-235 @ 143.8 KeV	pCi/g	0.06 ± 0.06	0.06 ± 0.21	0.02 ± 0.16	0.04 ± 0.22
Cesium-137 @ 661 KeV	pCi/g	0.68 ± 0.07	0.95 ± 0.09	0.13 ± 0.04	1.5 ± 0.1
Potassium-40 @ 1460 KeV	pCi/g	14 ± 1	13 ± 1	21 ± 2	17 ± 1

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
DEPTH (FEET)	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
SAMPLE DATE	0-0.2	2-4	6-8	0-0.2	2-4	4-7	0-0.2	0-2	2-3	0-0.2	0-0.2
ES ID	05/27/94	05/27/94	05/27/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	04/02/94
LAB ID	SB64A-1-00	SB64A-1-02	SB64A-1-04	SB64A-2-00	SB64A-2-02	SB64A-2-03	SB64A-3-00	SB64A-3-01	SB64A-3-02	MW64A-1.00	
SDG NUMBER	222464	222465	222502	223894	223895	223896	223897	223906	223907	216351	
UNITS	44410	44410	44410	44725	44725	44725	44725	44725	44748	43257	
VOLATILE ORGANICS											
Chloromethane	ug/Kg	12 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U	13 U
Bromomethane	ug/Kg	12 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U	13 U
Vinyl Chloride	ug/Kg	12 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U	13 U
Chloroethane	ug/Kg	12 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U	13 U
Methylene Chloride	ug/Kg	12 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U	13 U
Acetone	ug/Kg	12 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U	13 U
Carbon Disulfide	ug/Kg	12 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U	13 U
1,1-Dichloroethene	ug/Kg	12 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U	13 U
1,1-Dichloroethane	ug/Kg	12 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U	13 U
1,2-Dichloroethene (total)	ug/Kg	12 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U	13 U
Chloroform	ug/Kg	12 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U	13 U
1,2-Dichloroethane	ug/Kg	12 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U	13 U
2-Butanone	ug/Kg	12 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U	13 U
1,1,1-Trichloroethane	ug/Kg	12 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U	13 U
Carbon Tetrachloride	ug/Kg	12 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U	13 U
Bromodichloromethane	ug/Kg	12 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U	13 U
1,2-Dichloropropane	ug/Kg	12 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U	13 U
cis-1,3-Dichloropropene	ug/Kg	12 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U	13 U
Trichloroethene	ug/Kg	12 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U	13 U
Dibromochloromethane	ug/Kg	12 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U	13 U
1,1,2-Trichloroethane	ug/Kg	12 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U	13 U
Benzene	ug/Kg	12 U	12 U	11 U	11 U	12 U	12 U	2 J	12 U	13 U	13 U
trans-1,3-Dichloropropene	ug/Kg	12 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U	13 U
Bromoform	ug/Kg	12 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U	13 U
4-Methyl-2-Pentanone	ug/Kg	12 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U	13 U
2-Hexanone	ug/Kg	12 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U	13 U
Tetrachloroethene	ug/Kg	12 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U	13 U
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U	13 U
Toluene	ug/Kg	12 U	12 U	11 U	11 U	12 U	12 U	2 J	12 U	13 U	13 U
Chlorobenzene	ug/Kg	12 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U	13 U
Ethylbenzene	ug/Kg	12 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U	13 U
Styrene	ug/Kg	12 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U	13 U
Xylene (total)	ug/Kg	12 U	12 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U	13 U
HERBICIDES											
2,4-D	ug/Kg										
2,4-DB	ug/Kg										
2,4,5-T	ug/Kg										
2,4,5-TP (Silvex)	ug/Kg										
Dalapon	ug/Kg										
Dicamba	ug/Kg										
Dichloroprop	ug/Kg										
Dinoseb	ug/Kg										
MCPA	ug/Kg										
MCPP	ug/Kg										
NITROAROMATICS											
HMX	ug/Kg										
RDX	ug/Kg										
1,3,5-Trinitrobenzene	ug/Kg										
1,3-Dinitrobenzene	ug/Kg										
Tetryl	ug/Kg										
2,4,6-Trinitrotoluene	ug/Kg										
4-amino-2,6-Dinitrotoluene	ug/Kg										
2-amino-4,6-Dinitrotoluene	ug/Kg										
2,6-Dinitrotoluene	ug/Kg										
2,4-Dinitrotoluene	ug/Kg										

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64
DEPTH (FEET)	0-0.2	2-4	6-8	0-0.2	2-4	4-7	0-0.2	2-3	0-0.2	2-3	0-0.2
SAMPLE DATE	05/27/94	05/27/94	05/27/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	04/02/94
ES ID	SB64A-1-00	SB64A-1-02	SB64A-1-04	SB64A-2-00	SB64A-2-02	SB64A-2-03	SB64A-3-00	SB64A-3-01	SB64A-3-02	MW64A-1.00	
LAB ID	222464	222485	222502	223894	223895	223896	223897	223906	223907	216351	
SDG NUMBER	44410	44410	44410	44725	44725	44725	44725	44748	44748	43257	
COMPOUND											
SEMIVOLATILE ORGANICS											
Phend	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	44 J	370 U	370 U	450 U
bis(2-Chloroethyl) ether	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
2-Chlorophend	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
1,3-Dichlorobenzene	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
1,4-Dichlorobenzene	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
1,2-Dichlorobenzene	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
2-Methylphend	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
4-Methylphend	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
N-Nitroso-di-n-propylamine	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Hexachloroethane	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Nitrobenzene	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Isophorone	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
2-Nitrophend	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
2,4-Dimethylphend	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
bis(2-Chloroethoxy) methane	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
2,4-Dichlorophenol	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
1,2,4-Trichlorobenzene	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Naphthalene	ug/Kg	1000 U	400 U	360 U	340 J	3800	370 U	51 J	370 U	370 U	450 U
4-Chloroaniline	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Hexachlorobutadiene	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
4-Chloro-3-methylphenol	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
2-Methylnaphthalene	ug/Kg	54 J	400 U	360 U	150 J	2900 J	370 U	52 J	370 U	370 U	450 U
Hexachlorocyclopentadiene	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
2,4,6-Trichlorophenol	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
2,4,5-Trichlorophenol	ug/Kg	2500 U	980 U	870 U	5700 U	9000 U	900 U	950 U	910 U	910 U	1100 U
2-Chloronaphthalene	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
2-Nitroaniline	ug/Kg	2500 U	980 U	870 U	5700 U	9000 U	900 U	950 U	910 U	910 U	1100 U
Dimethylphthalate	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Aceaphthylene	ug/Kg	250 J	400 U	360 U	400 J	310 J	370 U	170 J	370 U	370 U	450 U
2,6-Dinitrotoluene	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
3-Nitroaniline	ug/Kg	2500 U	980 U	870 U	5700 U	9000 U	900 U	950 U	910 U	910 U	1100 U
Aceaphthene	ug/Kg	140 J	400 U	360 U	250 J	1300 J	370 U	50 J	370 U	370 U	450 U
2,4-Dinitrophend	ug/Kg	2500 U	980 U	870 U	5700 U	9000 U	900 U	950 U	910 U	910 U	1100 U
4-Nitrophend	ug/Kg	2500 U	980 U	870 U	5700 U	9000 U	900 U	950 U	910 U	910 U	1100 U
Dibenzofuran	ug/Kg	90 J	400 U	360 U	120 J	1400 J	370 U	390 U	370 U	370 U	450 U
2,4-Dinitrotoluene	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Diethylphthalate	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
4-Chlorophenyl-phenylether	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Fluorene	ug/Kg	260 J	38 J	360 U	350 J	4100	370 U	120 J	370 U	370 U	450 U
4-Nitroaniline	ug/Kg	2500 U	980 U	870 U	5700 U	9000 U	900 U	950 U	910 U	910 U	1100 U
4,6-Dinitro-2-methylphenol	ug/Kg	2500 U	980 U	870 U	5700 U	9000 U	900 U	950 U	910 U	910 U	1100 U
N-Nitrosodiphenylamine	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
4-Bromophenyl-phenylether	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Hexachlorobenzene	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Pentachlorophend	ug/Kg	2500 U	980 U	870 U	5700 U	9000 U	900 U	950 U	910 U	910 U	1100 U
Pheanthrene	ug/Kg	2300	290 J	360 U	2700	15000	23 J	680	370 U	370 U	450 U
Anthracene	ug/Kg	540 J	58 J	360 U	1100 J	1900 J	230 J	370 U	370 U	370 U	450 U
Carbazole	ug/Kg	720 J	39 J	360 U	420 J	780 J	370 U	110 J	370 U	370 U	450 U
Di-n-butylphthalate	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Fluoranthene	ug/Kg	5700	470	360 U	6900	11000	26 J	1500	370 U	370 U	450 U
Pyrene	ug/Kg	4400	340 J	360 U	5400	8700	50 J	1200	370 U	370 U	450 U
Butylbenzylphthalate	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
3,3'-Dichlorobenzidine	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Benzo(a)anthracene	ug/Kg	3600	180 J	360 U	5600	4000	370 U	1200	370 U	370 U	450 U
Chrysene	ug/Kg	3400	180 J	360 U	4800	4500	22 J	970	370 U	370 U	450 U
bis(2-Ethylhexyl)phthalate	ug/Kg	1000 U	41 J	40 J	13000	3700 U	52 J	140 J	21 J	370 U	750
Di-n-octylphthalate	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Benzo(b)fluoranthene	ug/Kg	6600 J	320 J	360 U	9600 J	3700 UJ	370 UJ	1500	29 J	370 U	450 U
Benzo(k)fluoranthene	ug/Kg	1000 UJ	400 UJ	360 U	2300 UJ	5900 J	37 J	550	25 J	370 U	450 U
Benzo(a)pyrene	ug/Kg	3000	180 J	360 U	5400	3100 J	21 J	1200	35 J	370 U	450 U
Indeno(1,2,3-cd)pyrene	ug/Kg	1900	92 J	360 U	3500	1500 J	370 U	930	27 J	370 U	450 U
Dibenz(a,h)anthracene	ug/Kg	1200	70 J	360 U	1500 J	820 J	370 U	390 J	19 J	370 U	450 U
Benzo(g,h,i)perylene	ug/Kg	1100	140 J	24 J	4000	1500 J	370 U	1000	27 J	370 U	450 U

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SOIL SEAD-64 0-0.2 05/27/94 SB64A-1-00 222484 44410	SOIL SEAD-64 2-4 05/27/94 SB64A-1-02 222485 44410	SOIL SEAD-64 6-8 05/27/94 SB64A-1-04 222502 44410	SOIL SEAD-64 0-0.2 06/10/94 SB64A-2-00 223894 44725	SOIL SEAD-64 2-4 06/10/94 SB64A-2-02 223895 44725	SOIL SEAD-64 4-7 06/10/94 SB64A-2-03 223896 44725	SOIL SEAD-64 0-0.2 06/10/94 SB64A-3-00 223906 44725	SOIL SEAD-64 2-3 06/10/94 SB64A-3-02 223907 44748	SOIL SEAD-64 0-0.2 04/02/94 MW64A-1.00 216351 43257		
PESTICIDES/PCB											
alpha-BHC	ug/Kg	4.1 UJ	2.1 UJ	1.8 UJ	3.6 U	1.9 U	1.9 U	2 U	1.9 UJ	2.3 U	
beta-BHC	ug/Kg	4.1 UJ	2.1 UJ	1.8 UJ	3.6 U	1.9 U	1.9 U	2 U	1.9 UJ	2.3 U	
delta-BHC	ug/Kg	4.1 UJ	2.1 UJ	1.8 UJ	3.6 U	1.9 U	1.9 U	2 U	1.9 UJ	2.3 U	
gamma-BHC (Lindane)	ug/Kg	4.1 UJ	2.1 UJ	1.8 UJ	3.6 U	1.9 U	1.9 U	2 U	1.9 UJ	2.3 U	
Heptachlor	ug/Kg	4.1 UJ	2.1 UJ	1.8 UJ	3.6 U	1.9 U	1.9 U	2 U	1.9 UJ	2.3 U	
Aldrin	ug/Kg	4.1 UJ	2.1 UJ	1.8 UJ	3.6 U	1.9 U	1.9 U	2 U	1.9 UJ	2.3 U	
Heptachlor epoxide	ug/Kg	4.1 UJ	2.1 UJ	1.8 UJ	3.6 U	1.9 U	1.9 U	1.9 J	1.9 UJ	2.3 U	
Endosulfan I	ug/Kg	22 J	5.1 J	1.8 UJ	33 J	7.8 J	1.9 U	23 J	1.9 UJ	2.3 U	
Dieldrin	ug/Kg	5.9 J	4 UJ	3.6 UJ	7.5 J	3.7 U	3.7 U	3.9 U	3.7 UJ	4.5 U	
4,4'-DDE	ug/Kg	4.5 J	4 UJ	3.8 UJ	9 J	3.7 U	3.7 U	3 J	3.7 UJ	4.5 U	
Endrin	ug/Kg	8 UJ	4 UJ	3.6 UJ	7 U	3.7 U	3.7 U	3.9 U	3.7 UJ	4.5 U	
Endosulfan II	ug/Kg	8 UJ	4 UJ	3.6 UJ	7 U	3.7 U	3.7 U	3.9 U	3.7 UJ	4.5 U	
4,4'-DDD	ug/Kg	8 UJ	4 UJ	3.6 UJ	3.7 J	3.7 U	3.7 U	3.9 U	3.7 UJ	4.5 U	
Endosulfan sulfate	ug/Kg	8 UJ	4 UJ	3.6 UJ	5 J	3.7 U	3.7 U	3.7 J	3.7 UJ	4.5 U	
4,4'-DDT	ug/Kg	4.6 J	4 UJ	3.6 UJ	24 J	4.4 J	3.7 U	5	3.7 UJ	4.5 U	
Methoxychlor	ug/Kg	41 UJ	21 UJ	18 UJ	38 U	19 U	19 U	20 U	19 UJ	23 U	
Endrin ketone	ug/Kg	8 UJ	4 UJ	3.6 UJ	7 U	3.7 U	3.7 U	3.9 U	3.7 UJ	4.5 U	
Endrin aldehyde	ug/Kg	8 UJ	4 UJ	3.6 UJ	7 U	3.7 U	3.7 U	3.9 U	3.7 UJ	4.5 U	
alpha-Chlordane	ug/Kg	4.2 J	2.1 UJ	1.8 UJ	8.3 J	1.9 U	1.9 U	2.9 J	1.9 UJ	2.3 U	
gamma-Chlordane	ug/Kg	4.1 UJ	2.1 UJ	1.8 UJ	3.6 U	1.9 U	1.9 U	2 U	1.9 UJ	2.3 U	
Toxaphene	ug/Kg	410 UJ	210 UJ	180 UJ	380 U	190 U	190 U	200 U	190 UJ	230 U	
Aroclor-1018	ug/Kg	80 UJ	40 UJ	38 UJ	70 U	37 U	37 U	39 U	37 UJ	45 U	
Aroclor-1221	ug/Kg	180 UJ	82 UJ	73 UJ	140 U	75 U	75 U	80 U	76 UJ	91 U	
Aroclor-1232	ug/Kg	60 UJ	40 UJ	38 UJ	70 U	37 U	37 U	39 U	37 UJ	45 U	
Aroclor-1242	ug/Kg	60 UJ	40 UJ	38 UJ	70 U	37 U	37 U	39 U	37 UJ	45 U	
Aroclor-1248	ug/Kg	60 UJ	40 UJ	38 UJ	70 U	37 U	37 U	39 U	37 UJ	45 U	
Aroclor-1254	ug/Kg	80 UJ	40 UJ	38 UJ	70 U	37 U	37 U	39 U	37 UJ	45 U	
Aroclor-1260	ug/Kg	80 UJ	40 UJ	38 UJ	70 U	37 U	37 U	39 U	37 UJ	45 U	
METALS											
Aluminum	mg/Kg	11800	17100	12800	11800	18400	12400	16500	14500	15000	16100
Antimony	mg/Kg	0.36 J	0.26 UJ	0.26 UJ	4.3 J	0.2 UJ	0.19 UJ	0.24 UJ	0.25 UJ	0.21 UJ	0.23 J
Arsenic	mg/Kg	4.7	6	8.4	5.8	7.1	4.8	5.7	6.1	5.9	7.1
Barium	mg/Kg	59.3	133	53.7	96.3	90.9	68.7	109	103	86.1	83.7
Beryllium	mg/Kg	0.54 J	0.8 J	0.55 J	0.55 J	0.78 J	0.54 J	0.74 J	0.72 J	0.65 J	0.68 J
Cadmium	mg/Kg	0.45 J	0.48 J	0.33 J	1	0.72 J	0.7 J	0.83 J	0.4 J	0.32 J	0.11 J
Calcium	mg/Kg	36300	4450	4580	62800	4040	64900	27600	3560	3130	7210
Chromium	mg/Kg	19.7	23.9	21.4	35.5	27	17.5	23.7	20.8 J	22.1 J	23
Cobalt	mg/Kg	10.6	10.3	14	10.3	9.5	8.9	9.1 J	11.3	11	11.8
Copper	mg/Kg	23.3	20.1	24.8	56.3	23.5	24.3	21	23.4	25.8	25.5
Iron	mg/Kg	25500	28600	35900	23000	30000	21200	24600	26700	26800	28500
Lead	mg/Kg	18.5	14.5	11.1	391	10.1	10.7	24.4	13.6 R	10.8 R	21.6
Magnesium	mg/Kg	6940	4510	5420	8000	5610	11900	5670	4410	5190	5480
Manganese	mg/Kg	528	868	619	517	310	405	664	753	555	558
Mercury	mg/Kg	0.04 J	0.06 J	0.03 J	0.1	0.09 J	0.02 J	0.05 J	0.05 J	0.04 J	0.05 J
Nickel	mg/Kg	33.3	29.2	36.1	31.1	31.5	26.5	26.5	29	33.9	32.2
Potassium	mg/Kg	1530 J	2070 J	1150 J	2080 J	2820 J	2170 J	2430 J	1630 J	2210 J	2590 J
Selenium	mg/Kg	0.98	0.94 J	0.82 J	0.49 J	0.72 J	0.39 U	0.73 J	0.91 J	0.83	0.96
Silver	mg/Kg	0.07 UJ	0.1 UJ	0.1 UJ	0.09 U	0.08 U	0.07 U	0.09 U	0.1 U	0.08 U	0.12 U
Sodium	mg/Kg	50.9 J	22.1 J	39.2 J	78.4 J	39.4 J	85.5 J	42.8 J	21.9 J	16.4 U	27.5 U
Thallium	mg/Kg	0.26 U	0.38 U	0.39 U	0.33 U	0.3 U	0.27 U	0.35 U	0.37 U	0.31 U	0.42 J
Vanadium	mg/Kg	20	29.3	19.1	25.4	31.1	20.8	33.5	25.6	25	27.6
Zinc	mg/Kg	83	87	106	167	76.7	61.2	92.7	77.4	82.8	104
Cyanide	mg/Kg	0.56 U	0.56 U	0.52 U	0.47 U	0.5 U	0.47 U	0.5 U	0.56 U	0.54 U	0.66 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	81.5	81.9	92.1	94.4	89	89.4	83.5	87.7	88	74.3

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64
DEPTH (FEET)	2-4	4-6	0-0.2	8-10	10-12	0-0.2	10-12	12-14	0-0.2	8-10	8-10
SAMPLE DATE	04/02/94	04/02/94	06/08/94	06/08/94	06/08/94	06/08/94	06/08/94	06/08/94	06/08/94	06/08/94	06/08/94
ES ID	MW64A-1.02	MW64A-1.03	SB64B-1.00	SB64B-1.05	SB64B-1.06	SB64B-2.00	SB64B-2.06	SB64B-2.07	SB64B-3.00	SB64B-3.05	SB64B-3.05
LAB ID	216352	216353	223502	223503	223504	223505	223506	223507	223508	223509	223509
SDG NUMBER	43257	43257	44665	44665	44665	44665	44665	44665	44665	44665	44665
UNITS											
VOLATILE ORGANICS											
Chloromethane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Bromomethane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Vinyl Chloride	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Chloroethane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Methylene Chloride	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	1 J	11 U	12 U	11 U
Acetone	ug/Kg	12 U	12 U	13 U	11 U	7 J	12 U	11 U	11 U	12 U	11 U
Carbon Disulfide	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	1 J	12 U	11 U
1,1-Dichloroethene	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
1,1-Dichloroethane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
1,2-Dichloroethene (total)	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Chloroform	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
1,2-Dichloroethane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
2-Butanone	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
1,1,1-Trichloroethane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Carbon Tetrachloride	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Bromodichloromethane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
1,2-Dichloropropane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
cis-1,3-Dichloropropane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Trichloroethene	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Dibromochloromethane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
1,1,2-Trichloroethane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Benzene	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
trans-1,3-Dichloropropene	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Bromofom	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
4-Methyl-2-Pentanone	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
2-Hexanone	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Tetrachloroethene	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Toluene	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Chlorobenzene	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Ethylbenzene	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Styrene	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Xylene (total)	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
HERBICIDES											
2,4-D	ug/Kg										
2,4-DB	ug/Kg										
2,4,5-T	ug/Kg										
2,4,5-TP (Silvex)	ug/Kg										
Dalapon	ug/Kg										
Dicamba	ug/Kg										
Dichloroprop	ug/Kg										
Dinoseb	ug/Kg										
MCPA	ug/Kg										
MCPP	ug/Kg										
NITROAROMATICS											
HMX	ug/Kg										
RDX	ug/Kg										
1,3,5-Trinitrobenzene	ug/Kg										
1,3-Dinitrobenzene	ug/Kg										
Tetryl	ug/Kg										
2,4,6-Trinitrotoluene	ug/Kg										
4-amino-2,6-Dinitrotoluene	ug/Kg										
2-amino-4,6-Dinitrotoluene	ug/Kg										
2,6-Dinitrotoluene	ug/Kg										
2,4-Dinitrotoluene	ug/Kg										

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-64 2-4 04/02/94 MW64A-1.02 216352 43257	SOIL SEAD-64 4-6 04/02/94 MW64A-1.03 216353 43257	SOIL SEAD-64 0-0.2 06/08/94 SB64B-1.00 223502 44665	SOIL SEAD-64 8-10 06/08/94 SB64B-1.05 223503 44665	SOIL SEAD-64 10-12 06/08/94 SB64B-1.06 223504 44665	SOIL SEAD-64 0-0.2 06/08/94 SB64B-2.00 223505 44665	SOIL SEAD-64 10-12 06/08/94 SB64B-2.06 223506 44665	SOIL SEAD-64 12-14 06/08/94 SB64B-2.07 223507 44665	SOIL SEAD-64 0-0.2 06/08/94 SB64B-3.00 223508 44665	SOIL SEAD-64 8-10 06/08/94 SB64B-3.05 223509 44694
SEMIVOLATILE ORGANICS										
Phend	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
bis(2-Chloroethyl) ether	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
2-Chlorophend	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
1,3-Dichlorobenzene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
1,4-Dichlorobenzene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
1,2-Dichlorobenzene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
2-Methylphenol	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
4-Methylphenol	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
N-Nitroso-di-n-propylamine	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
Hexachloroethane	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
Nitrobenzene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
Isophorone	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
2-Nitrophenol	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
2,4-Dimethylphenol	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
bis(2-Chloroethoxy) methane	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
2,4-Dichlorophenol	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
1,2,4-Trichlorobenzene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
Naphthalene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
4-Chloroaniline	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
Hexachlorobutadiene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
4-Chloro-3-methylphenol	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
2-Methylnaphthalene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
Hexachlorocyclopentadiene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
2,4,6-Trichlorophenol	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
2,4,5-Trichlorophenol	ug/Kg	940 U	890 U	960 U	890 U	860 U	960 U	890 U	860 U	910 U
2-Chloronaphthalene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
2-Nitroaniline	ug/Kg	940 U	890 U	960 U	890 U	860 U	960 U	890 U	860 U	910 U
Dimethylphthalate	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
Acenaphthylene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
2,6-Dinitrotoluene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
3-Nitroaniline	ug/Kg	940 U	890 U	960 U	890 U	860 U	960 U	890 U	860 U	910 U
Acenaphthene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
2,4-Dinitrophenol	ug/Kg	940 U	890 U	960 U	890 U	860 U	960 U	890 U	860 U	910 U
4-Nitrophenol	ug/Kg	940 U	890 U	960 U	890 U	860 U	960 U	890 U	860 U	910 U
Dibenzofuran	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
2,4-Dinitrotoluene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
Diethylphthalate	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
4-Chlorophenyl-phenylether	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
Fluorene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
4-Nitroaniline	ug/Kg	940 U	890 U	960 U	890 U	860 U	960 U	890 U	860 U	910 U
4,6-Dinitro-2-methylphenol	ug/Kg	940 U	890 U	960 U	890 U	860 U	960 U	890 U	860 U	910 U
N-Nitrosodiphenylamine	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
4-Bromophenyl-phenylether	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
Hexachlorobenzene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
Pentachlorophenol	ug/Kg	940 U	890 U	960 U	890 U	860 U	960 U	890 U	860 U	910 U
Phenanthrene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
Anthracene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
Carbazole	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
Di-n-butylphthalate	ug/Kg	390 U	370 U	85 J	38 J	31 J	120 J	42 J	30 J	41 J
Fluoranthene	ug/Kg	390 U	370 U	26 J	370 U	350 U	35 J	370 U	350 U	25 J
Pyrene	ug/Kg	390 U	370 U	400 U	370 U	350 U	23 J	370 U	350 U	380 U
Butylbenzylphthalate	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
3,3'-Dichlorobenzidine	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
Benzofluoranthene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
Chrysene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
bis(2-Ethylhexyl)phthalate	ug/Kg	280 J	320 J	400 U	110 J	350 U	96 J	390	350 U	25 J
Di-n-octylphthalate	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
Benzofluoranthene	ug/Kg	390 U	370 U	400 U	370 U	350 U	24 J	370 U	350 U	380 U
Benzofluoranthene	ug/Kg	390 U	370 U	400 U	370 U	350 U	23 J	370 U	350 U	380 U
Benzofluoranthene	ug/Kg	390 U	370 U	400 U	370 U	350 U	22 J	370 U	350 U	380 U
Indeno(1,2,3-cd)pyrene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
Dibenz(a,h)anthracene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	380 U
Benzofluoranthene	ug/Kg	390 U	370 U	400 U	370 U	350 U	20 J	370 U	350 U	380 U

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64
DEPTH (FEET)	2-4	4-6	0-0.2	8-10	0-0.2	10-12	0-0.2	12-14	0-0.2	8-10	8-10
SAMPLE DATE	04/02/94	04/02/94	06/08/94	06/08/94	06/08/94	06/08/94	06/08/94	06/08/94	06/08/94	06/08/94	06/08/94
ES ID	MW64A-1.02	MW64A-1.03	SB64B-1.00	SB64B-1.05	SB64B-1.06	SB64B-2.00	SB64B-2.06	SB64B-2.07	SB64B-3.00	SB64B-3.05	SB64B-3.05
LAB ID	216352	216353	223502	223503	223504	223505	223506	223507	223508	223509	223509
SDG NUMBER	43257	43257	44665	44665	44665	44665	44665	44665	44665	44665	44694
UNITS											
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2 U	1.9 U	2 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	2 U	1.9 U
beta-BHC	ug/Kg	2 U	1.9 U	2 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	2 U	1.9 U
delta-BHC	ug/Kg	2 U	1.9 U	2 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	2 U	1.9 U
gamma-BHC (Lindane)	ug/Kg	2 U	1.9 U	2 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	2 U	1.9 U
Heptachlor	ug/Kg	2 U	1.9 U	2 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	2 U	1.9 U
Aldrin	ug/Kg	2 U	1.9 U	2 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	2 U	1.9 U
Heptachlor epoxide	ug/Kg	2 U	1.9 U	2 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	2 U	1.9 U
Endosulfan I	ug/Kg	2 U	1.9 U	2 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	2 U	1.9 U
Dieldrin	ug/Kg	3.9 U	3.7 U	3.9 U	3.7 U	3.5 U	4 U	3.7 U	3.5 U	4 U	3.7 U
4,4'-DDE	ug/Kg	3.9 U	3.7 U	2.6 J	3.7 U	3.5 U	4 U	3.7 U	3.5 U	4 U	3.7 U
Endrin	ug/Kg	3.9 U	3.7 U	3.9 U	3.7 U	3.5 U	4 U	3.7 U	3.5 U	4 U	3.7 U
Endosulfan II	ug/Kg	3.9 U	3.7 U	3.9 U	3.7 U	3.5 U	4 U	3.7 U	3.5 U	4 U	3.7 U
4,4'-DDD	ug/Kg	3.9 U	3.7 U	3.9 U	3.7 U	3.5 U	4 U	3.7 U	3.5 U	4 U	3.7 U
Endosulfan sulfate	ug/Kg	3.9 U	3.7 U	3.9 U	3.7 U	3.5 U	4 U	3.7 U	3.5 U	4 U	3.7 U
4,4'-DDT	ug/Kg	3.9 U	3.7 U	2.6 J	3.7 U	3.5 U	4 U	3.7 U	3.5 U	4 U	3.7 U
Methoxychlor	ug/Kg	20 U	19 U	20 U	19 U	18 U	20 U	19 U	18 U	20 U	19 U
Endrin ketone	ug/Kg	3.9 U	3.7 U	3.9 U	3.7 U	3.5 U	4 U	3.7 U	3.5 U	4 U	3.7 U
Endrin aldehyde	ug/Kg	3.9 U	3.7 U	3.9 U	3.7 U	3.5 U	4 U	3.7 U	3.5 U	4 U	3.7 U
alpha-Chlordane	ug/Kg	2 U	1.9 U	2 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	2 U	1.9 U
gamma-Chlordane	ug/Kg	2 U	1.9 U	2 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	2 U	1.9 U
Toxaphene	ug/Kg	200 U	190 U	200 U	190 U	180 U	200 U	190 U	180 U	200 U	190 U
Aroclor-1016	ug/Kg	39 U	37 U	39 U	37 U	35 U	40 U	37 U	35 U	40 U	37 U
Aroclor-1221	ug/Kg	80 U	74 U	80 U	74 U	72 U	81 U	74 U	72 U	81 U	76 U
Aroclor-1232	ug/Kg	39 U	37 U	39 U	37 U	35 U	40 U	37 U	35 U	40 U	37 U
Aroclor-1242	ug/Kg	39 U	37 U	39 U	37 U	35 U	40 U	37 U	35 U	40 U	37 U
Aroclor-1248	ug/Kg	39 U	37 U	39 U	37 U	35 U	40 U	37 U	35 U	40 U	37 U
Aroclor-1254	ug/Kg	39 U	37 U	39 U	37 U	35 U	40 U	37 U	35 U	40 U	37 U
Aroclor-1260	ug/Kg	39 U	37 U	39 U	37 U	35 U	40 U	37 U	35 U	40 U	37 U
METALS											
Aluminum	mg/Kg	19800	12600	10600	10600	9250	10400	10600	8730	8800	10700 J
Antimony	mg/Kg	0.2 UJ	0.2 UJ	0.28 UJ	0.2 UJ	0.24 UJ	0.23 UJ	0.19 UJ	0.22 UJ	0.26 UJ	0.27 J
Arsenic	mg/Kg	8.2	5	4.9	4.7	4.3	4.6	4	4.8	5.8	4.9
Barium	mg/Kg	91.2	62.3	73.3	105	71	75.9	73.1	79.3	58.4	72.5 J
Beryllium	mg/Kg	0.74 J	0.53 J	0.49 J	0.5 J	0.43 J	0.49 J	0.49 J	0.43 J	0.42 J	0.4 J
Cadmium	mg/Kg	0.02 U	0.12 J	0.41 J	0.51 J	0.48 J	0.5 J	0.42 J	0.46 J	0.48 J	0.45 J
Calcium	mg/Kg	4300	72400	53400 J	90700 J	74700 J	54400 J	64100 J	64600 J	54800 J	52300 J
Chromium	mg/Kg	25	19	15.9	17.1	15.9	15.4	15.2	16.6	14.2	15.6 J
Cobalt	mg/Kg	11.3	9.1 J	8.9 J	9.7	9.2	8.7	10.4	11.8	8.3 J	8.7 J
Copper	mg/Kg	21	23.7	21.5	23.2	21.1	20.6	23.8	23.3	19.6	18.4 J
Iron	mg/Kg	28000	22600	19500	21700	20100	19400	19500	20600	17100	21300 J
Lead	mg/Kg	13.6	15.4	15.9	10.6	10.7	17	9.5	11.1	12.1	12.4
Magnesium	mg/Kg	5010	14800	14400	16500	20400	22100	16800	16500	12200	13800 J
Manganese	mg/Kg	804	402	394	377	418	414	388	492	354	336 J
Mercury	mg/Kg	0.03 J	0.02 J	0.03 J	0.02 J	0.01 J	0.04 J	0.02 U	0.02 J	0.03 J	0.04 J R
Nickel	mg/Kg	28.6	26.7	26.2	31	26.5	25.9	32.4	29.6	24	24.3 J
Potassium	mg/Kg	2260 J	2700 J	2160 J	2090 J	1860 J	2000 J	2320 J	1700 J	1840 J	1560
Selenium	mg/Kg	1.7	0.34 U	0.58 U	0.41 U	0.49 U	0.74 J	0.4 U	0.55 J	0.48 J	0.48 J
Silver	mg/Kg	0.14 U	0.14 U	0.11 UJ	0.08 UJ	0.09 UJ	0.09 UJ	0.07 UJ	0.08 UJ	0.1 UJ	0.09 UJ
Sodium	mg/Kg	31.8 U	92.1 J	51.9 J	106 J	94.4 J	65.7 J	93 J	103 J	65.8 J	72.6 J
Thallium	mg/Kg	0.32 U	0.32 U	0.41 U	0.29 U	0.35 U	0.33 U	0.42 J	0.32 U	0.38 U	0.33 U
Vanadium	mg/Kg	32.2	19.5	18.2	19.5	16.2	19	17.6	15.2	16.2	19.6 J
Zinc	mg/Kg	87.1	64.9	72.4	73.7	71.8	70.7	60.4	85.1	78.8	64.3 J
Cyanide	mg/Kg	0.56 U	0.55 U	0.49 U	0.54 U	0.5 U	0.39 U	0.5 U	0.39 U	0.47 U	0.49 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	84.5	90.4	83.5	89.8	93.3	83.1	89.9	92.7	82.8	87.7

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-64 14-16 06/08/94 SB64B-3.08 223510 44694	SOIL SEAD-64 0-0.2 05/13/94 MW64B-1-00 221238 44090	SOIL SEAD-64 4-6 05/13/94 MW64B-1-03 221239 44090	SOIL SEAD-64 6-8 05/13/94 MW64B-1-04 221240 44090	SOIL SEAD-64 0-0.2 04/11/94 SS64C-1 217070 43257	SOIL SEAD-64 0-0.2 04/11/94 SS64C-20 217074 43257	SOIL SEAD-64 0-0.2 04/11/94 SS64C-2 217072 43257	SOIL SEAD-64 0-0.2 04/11/94 SS64C-3 217073 43257	SOIL SEAD-64 3 06/09/94 TP64C-1-1 223776 44725	SOIL SEAD-64 4 06/09/94 TP64C-1-2 223777 44725	
VOLATILE ORGANICS											
Chloromethane	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Bromomethane	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Vinyl Chloride	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Chloroethane	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Methylene Chloride	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Acetone	ug/Kg	11 U	57	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Carbon Disulfide	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
1,1-Dichloroethane	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
1,1-Dichloroethane	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
1,2-Dichloroethane (total)	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Chloroform	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
1,2-Dichloroethane	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
2-Butanone	ug/Kg	11 U	22	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
1,1,1-Trichloroethane	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Carbon Tetrachloride	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Bromodichloromethane	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
1,2-Dichloropropane	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
cis-1,3-Dichloropropene	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Trichloroethene	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Dibromochloromethane	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
1,1,2-Trichloroethane	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Benzene	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
trans-1,3-Dichloropropene	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Bromoform	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
4-Methyl-2-Pentanone	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
2-Hexanone	ug/Kg	11 U	15 U	11 U	11 U	12 U	80 U	16 U	16 U	13 U	11 U
Tetrachloroethene	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Toluene	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Chlorobenzene	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Ethylbenzene	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Styrene	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Xylene (total)	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
HERBICIDES											
2,4-D	ug/Kg										
2,4-DB	ug/Kg										
2,4,5-T	ug/Kg										
2,4,5-TP (Silvex)	ug/Kg										
Dalapon	ug/Kg										
Dicamba	ug/Kg										
Dichloroprop	ug/Kg										
Dinoseb	ug/Kg										
MCPA	ug/Kg										
MCPP	ug/Kg										
NITROAROMATICS											
HMX	ug/Kg										
RDX	ug/Kg										
1,3,5-Trinitrobenzene	ug/Kg										
1,3-Dinitrobenzene	ug/Kg										
Tetryl	ug/Kg										
2,4,6-Trinitrotoluene	ug/Kg										
4-amino-2,6-Dinitrotoluene	ug/Kg										
2-amino-4,6-Dinitrotoluene	ug/Kg										
2,6-Dinitrotoluene	ug/Kg										
2,4-Dinitrotoluene	ug/Kg										

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-64 14-16 06/08/94 SB64B-3.08 223510 44894	SOIL SEAD-64 0-0.2 05/13/94 MW64B-1-00 221238 44090	SOIL SEAD-64 4-6 05/13/94 MW64B-1-03 221239 44090	SOIL SEAD-64 6-8 05/13/94 MW64B-1-04 221240 44090	SOIL SEAD-64 0-0.2 04/11/94 SS64C-1 217070 43257	SOIL SEAD-64 0-0.2 04/11/94 SS64C-20 217074 43257	SOIL SEAD-64 0-0.2 04/11/94 SS64C-2 217072 43257	SOIL SEAD-64 0-0.2 04/11/94 SS64C-3 217073 43257	SOIL SEAD-64 3 06/09/94 TP64C-1-1 223776 44725	SOIL SEAD-64 4 06/09/94 TP64C-1-2 223777 44725
COMPOUND	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
SEMIVOLATILE ORGANICS										
Phend	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
bis(2-Chloroethyl) ether	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
2-Chlorophend	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
1,3-Dichlorobenzene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
1,4-Dichlorobenzene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
1,2-Dichlorobenzene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
2-Methylphend	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
4-Methylphend	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
N-Nitroso-di-n-propylamine	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
Hexachloroethane	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
Nitrobenzene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
Isophorone	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
2-Nitrophenol	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
2,4-Dimethylphenol	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
bis(2-Chloroethoxy) methane	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
2,4-Dichlorophenol	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
1,2,4-Trichlorobenzene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
Naphthalene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
4-Chloroaniline	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
Hexachlorobutadiene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
4-Chloro-3-methylphenol	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
2-Methylnaphthalene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
Hexachlorocyclopentadiene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
2,4,6-Trichlorophenol	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
2,4,5-Trichlorophenol	ug/Kg	870 U	1300 U	880 U	880 U	1000 U	1000 U	1200 U	1300 U	910 U
2-Chloronaphthalene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
2-Nitroaniline	ug/Kg	870 U	1300 U	880 U	880 U	1000 U	1000 U	1200 U	1300 U	910 U
Dimethylphthalate	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
Acenaphthylene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
2,6-Dinitrotoluene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
3-Nitroaniline	ug/Kg	870 U	1300 U	880 U	880 U	1000 U	1000 U	1200 U	1300 U	910 U
Acenaphthene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
2,4-Dinitrophenol	ug/Kg	870 U	1300 U	880 U	880 U	1000 U	1000 U	1200 U	1300 U	910 U
4-Nitrophenol	ug/Kg	870 U	1300 U	880 U	880 U	1000 U	1000 U	1200 U	1300 U	910 U
Dibenzofuran	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
2,4-Dinitrotoluene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
Diethylphthalate	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
4-Chlorophenyl-phenylether	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
Fluorene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
4-Nitroaniline	ug/Kg	870 U	1300 U	880 U	880 U	1000 U	1000 U	1200 U	1300 U	910 U
4,6-Dinitro-2-methylphenol	ug/Kg	870 U	1300 U	880 U	880 U	1000 U	1000 U	1200 U	1300 U	910 U
N-Nitrosodiphenylamine	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
4-Bromophenyl-phenylether	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
Hexachlorobenzene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
Pentachlorophenol	ug/Kg	870 U	1300 U	880 U	880 U	1000 U	1000 U	1200 U	1300 U	910 U
Phenanthrene	ug/Kg	360 U	30 J	26 J	360 U	420 U	410 U	510 U	530 U	370 U
Anthracene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
Carbazole	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
Di-n-butylphthalate	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
Fluoranthene	ug/Kg	360 U	28 J	46 J	360 U	420 U	410 U	510 U	530 U	370 U
Pyrene	ug/Kg	360 U	36 J	64 J	360 U	420 U	410 U	510 U	530 U	370 U
Butylbenzylphthalate	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
3,3'-Dichlorobenzidine	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
Benzo(a)anthracene	ug/Kg	360 U	38 J	36 J	360 U	420 U	410 U	510 U	530 U	370 U
Chrysene	ug/Kg	360 U	40 J	34 J	360 U	420 U	410 U	510 U	530 U	370 U
bis(2-Ethylhexyl)phthalate	ug/Kg	360 U	520 U	360 U	360 U	850	920	510 U	1100	74 J
Di-n-octylphthalate	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
Benzo(b)fluoranthene	ug/Kg	360 U	28 J	29 J	360 U	420 U	410 U	510 U	530 U	370 U
Benzo(k)fluoranthene	ug/Kg	360 U	36 J	31 J	360 U	420 U	410 U	510 U	530 U	370 U
Benzo(a)pyrene	ug/Kg	360 U	34 J	39 J	360 U	420 U	410 U	510 U	530 U	370 U
Indeno(1,2,3-cd)pyrene	ug/Kg	360 U	520 U	29 J	360 U	420 U	410 U	510 U	530 U	370 U
Dibenz(a,h)anthracene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U
Benzo(g,h,i)perylene	ug/Kg	360 U	520 U	110 J	360 U	420 U	410 U	510 U	530 U	370 U

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64
DEPTH (FEET)	14-16	0-0.2	4-8	6-8	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
SAMPLE DATE	06/08/94	05/13/94	05/13/94	05/13/94	04/11/94	04/11/94	04/11/94	04/11/94	04/11/94	06/09/94	06/09/94
ES ID	SB64B-3.08	MW64B-1-00	MW64B-1-03	MW64B-1-04	SS64C-1	SS64C-20	SS64C-2	SS64C-3	TP64C-1-1	TP64C-1-1	TP64C-1-2
LAB ID	223510	221238	221239	221240	217070	217074	217072	217073	223776	223777	223777
SDG NUMBER	44694	44090	44090	44090	43257	43257	43257	43257	44725	44725	44725
COMPOUND UNITS											
PESTICIDES/PCB											
alpha-BHC	ug/Kg	1.8 U	2.7 U	1.9 U	1.9 U	2.2 U	2.1 U	2.6 U	2.7 U	1.9 U	1.9 U
beta-BHC	ug/Kg	1.8 U	2.7 U	1.9 U	1.9 U	2.2 U	2.1 U	2.6 U	2.7 U	1.9 U	1.9 U
delta-BHC	ug/Kg	1.8 U	2.7 U	1.9 U	1.9 U	2.2 U	2.1 U	2.6 U	2.7 U	1.9 U	1.9 U
gamma-BHC (Lindane)	ug/Kg	1.8 U	2.7 U	1.9 U	1.9 U	2.2 U	2.1 U	2.6 U	2.7 U	1.9 U	1.9 U
Heptachlor	ug/Kg	1.8 U	2.7 U	1.9 U	1.9 U	2.2 U	2.6 J	2.6 U	2.7 U	1.9 U	1.9 U
Aldrin	ug/Kg	1.8 U	2.7 U	1.9 U	1.6 J	2.2 U	2.1 U	2.6 U	2.7 U	1.9 U	1.9 U
Heptachlor epoxide	ug/Kg	1.8 U	1.4 J	1.9 U	1.9 U	2.2 U	2.1 U	2.6 U	2.7 U	1.9 U	1.9 U
Endosulfan I	ug/Kg	1.8 U	2.7 U	1.9 U	1.9 U	2.2 U	2.1 U	2.6 U	2.7 U	1.9 U	1.9 U
Dieldrin	ug/Kg	3.6 U	5.2 U	3.6 U	3.6 U	4.2 U	4.1 U	4.7 J	5.3 U	3.7 U	3.7 U
4,4'-DDE	ug/Kg	3.6 U	5.2 U	3.6 U	3.6 U	4.2 U	4.1 U	5.1 U	5.3 U	3.7 U	3.7 U
Endrin	ug/Kg	3.6 U	5.2 U	3.6 U	3.6 U	4.2 U	4.1 U	5.1 U	5.3 U	3.7 U	3.7 U
Endosulfan II	ug/Kg	3.6 U	5.2 U	3.6 U	3.6 U	4.2 U	4.1 U	5.1 U	5.3 U	3.7 U	3.7 U
4,4'-DDD	ug/Kg	3.6 U	5.2 U	3.6 U	3.6 U	4.2 U	4.1 U	5.1 U	5.3 U	3.7 U	3.7 U
Endosulfan sulfate	ug/Kg	3.6 U	5.2 U	3.6 U	3.6 U	4.2 U	4.1 U	5.1 U	5.3 U	3.7 U	3.7 U
4,4'-DDT	ug/Kg	3.6 U	5.2 U	3.6 U	3.6 U	4.2 U	4.1 U	5.1 U	5.3 U	3.7 U	3.7 U
Methoxychlor	ug/Kg	18 U	27 U	19 U	19 U	22 U	21 U	26 U	27 U	19 U	19 U
Endrin ketone	ug/Kg	3.6 U	5.2 U	3.6 U	3.6 U	4.2 U	4.1 U	5.1 U	5.3 U	3.7 U	3.7 U
Endrin aldehyde	ug/Kg	3.6 U	5.2 U	3.6 U	3.6 U	4.2 U	4.1 U	5.1 U	5.3 U	3.7 U	3.7 U
alpha-Chlordane	ug/Kg	1.8 U	2.7 U	1.9 U	1.9 U	2.2 U	2.1 U	2.6 U	2.7 U	1.9 U	1.9 U
gamma-Chlordane	ug/Kg	1.8 U	2.7 U	1.9 U	1.9 U	2.2 U	2.1 U	2.6 U	2.7 U	1.9 U	1.9 U
Toxaphene	ug/Kg	180 U	270 U	190 U	190 U	220 U	210 U	260 U	270 U	190 U	190 U
Aroclor-1016	ug/Kg	36 U	52 U	36 U	36 U	42 U	41 U	51 U	53 U	37 U	37 U
Aroclor-1221	ug/Kg	73 U	100 U	74 U	74 U	86 U	84 U	100 U	110 U	76 U	74 U
Aroclor-1232	ug/Kg	36 U	52 U	36 U	36 U	42 U	41 U	51 U	53 U	37 U	37 U
Aroclor-1242	ug/Kg	36 U	52 U	36 U	36 U	42 U	41 U	51 U	53 U	37 U	37 U
Aroclor-1248	ug/Kg	36 U	52 U	36 U	36 U	42 U	41 U	51 U	53 U	37 U	37 U
Aroclor-1254	ug/Kg	36 U	52 U	36 U	36 U	42 U	41 U	51 U	53 U	37 U	37 U
Aroclor-1260	ug/Kg	36 U	52 U	36 U	36 U	42 U	41 U	51 U	53 U	37 U	37 U
METALS											
Aluminum	mg/Kg	9140 J	13400	8870	7620	14200	12700	18700	15300	12400	4970
Antimony	mg/Kg	0.25 J	0.3 J	0.15 UJ	0.15 UJ	0.32 J	0.16 UJ	0.43 J	0.27 UJ	0.24 UJ	0.16 UJ
Arsenic	mg/Kg	4.4	5.5	4.3	5.5	5.1	5	6.1	6.5	4.7	3.2
Barium	mg/Kg	64 J	75.5	70.8	76.7	109	111	181	243	98	35.4
Beryllium	mg/Kg	0.35 J	0.56 J	0.43 J	0.37 J	0.81 J	0.59 J	0.86 J	0.82 J	0.62 J	0.26 J
Cadmium	mg/Kg	0.44 J	0.63 J	0.64 J	0.54 J	0.13 J	0.19 J	0.28 J	0.37 J	0.77 J	0.43 J
Calcium	mg/Kg	81300 J	5530	70000	75900	46800	29600	5840	6340	35900	81500
Chromium	mg/Kg	22.3 J	17.5	14.1	13.5	21	18.5	22.1	25.9	18.7	7.1
Cobalt	mg/Kg	8.3 J	7.2 J	10	7.4 J	9.6 J	8.5 J	9.3 J	12.9 J	9.7	4.9 J
Copper	mg/Kg	21.4 J	16.9	20.2	17.6	24	20.5	23.5	22.3	22.5	15.6
Iron	mg/Kg	18200 J	20900	18400	17100	25200	23300	28000	29000	22700	10500
Lead	mg/Kg	8.5	21.4	8.8	8.3	13.8	13.5	22.8	23.3	12.5	5.9
Magnesium	mg/Kg	19100 J	3720	18900	21500	10600	8780	5000	4480	9880	24600
Manganese	mg/Kg	391 J	207	434	389	434	417	417	1090	453	330
Mercury	mg/Kg	0.02 J	0.05 J	0.02 J	0.01 U	0.03 J	0.03 J	0.05 J	0.05 J	0.04 J	0.02 J
Nickel	mg/Kg	24 J	19.6	28.2	22.6	30.5	26.3	28.1	26.3	30.1	13.3
Potassium	mg/Kg	2090	1700	1630	1850	2190 J	1630 J	2690 J	1670 J	1840 J	1360 J
Selenium	mg/Kg	0.52 U	0.99 J	0.26 U	0.57 J	0.93 J	1	1.9	1.9	0.5 U	0.33 U
Silver	mg/Kg	0.1 UJ	0.16 UJ	0.11 UJ	0.11 UJ	0.17 U	0.12 U	0.16 U	0.19 U	0.09 U	0.06 U
Sodium	mg/Kg	93.4 J	35.9 U	96.6 J	79.6 J	62 J	32.7 J	36.5 U	42.8 U	42.3 J	68.2 J
Thallium	mg/Kg	0.37 U	0.41 J	0.24 U	0.24 U	0.36 U	0.28 U	0.37 U	0.43 U	0.35 U	0.23 U
Vanadium	mg/Kg	17.1 J	23.3	14.6	14.2	24.3	22.2	32.5	28.9	21.3	9.6
Zinc	mg/Kg	64.9 J	72.2	59	45.6	88.1	81.4	110	109	83	43.4
Cyanide	mg/Kg	0.5 U	0.6 U	0.5 U	0.46 U	0.52 U	0.6 U	0.69 U	0.8 U	0.41 U	0.44 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	92.1	63.5	91.3	90.9	77.8	79.8	64.9	62.3	87.7	90.3

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64
DEPTH (FEET)	2	2	2	2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
SAMPLE DATE	06/09/94	06/09/94	06/09/94	06/09/94	04/14/94	04/14/94	04/14/94	04/14/94	04/14/94	04/14/94	06/23/94
ES ID	TP64C-2-1	TP64C-2-2	TP64C-3-1	TP64C-3-2	SS64D-1	SS64D-2	SS64D-3	SS64D-4	SS64D-5	SS64D-1-00	SB64D-1-00
LAB ID	223778	223779	223780	223781	217694	217695	217696	217697	217698	217699	225467
SDG NUMBER	44725	44725	44725	44725	43535	43535	43535	43535	43535	43535	44799
COMPOUND	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
VOLATILE ORGANICS											
Chloromethane	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Bromomethane	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Vinyl Chloride	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Chloroethane	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Methylene Chloride	ug/Kg	11 U	12 U	12 U	11 U	2 J	3 J	14 U	12 U	2 J	11 U
Acetone	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Carbon Disulfide	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
1,1-Dichloroethane	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
1,1-Dichloroethane	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
1,2-Dichloroethane (total)	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Chloroform	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
1,2-Dichloroethane	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
2-Butanone	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
1,1,1-Trichloroethane	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Carbon Tetrachloride	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Bromodichloromethane	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
1,2-Dichloropropane	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
cis-1,3-Dichloropropene	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Trichloroethene	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Dibromochloromethane	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
1,1,2-Trichloroethane	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Benzene	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
trans-1,3-Dichloropropene	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Bromofom	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
4-Methyl-2-Pentanone	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
2-Hexanone	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Tetrachloroethene	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Toluene	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Chlorobenzene	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Ethylbenzene	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Styrene	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Xylene (total)	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
HERBICIDES											
2,4-D	ug/Kg										
2,4-DB	ug/Kg										
2,4,5-T	ug/Kg										
2,4,5-TP (Silvex)	ug/Kg										
Dalapon	ug/Kg										
Dicamba	ug/Kg										
Dichloroprop	ug/Kg										
Dinoseb	ug/Kg										
MCPA	ug/Kg										
MCPP	ug/Kg										
NITROAROMATICS											
HMX	ug/Kg										
RDX	ug/Kg										
1,3,5-Trinitrobenzene	ug/Kg										
1,3-Dinitrobenzene	ug/Kg										
Tetryl	ug/Kg										
2,4,6-Trinitrotoluene	ug/Kg										
4-amino-2,6-Dinitrotoluene	ug/Kg										
2-amino-4,6-Dinitrotoluene	ug/Kg										
2,6-Dinitrotoluene	ug/Kg										
2,4-Dinitrotoluene	ug/Kg										

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64
COMPOUND UNITS											
SEMIVOLATILE ORGANICS											
Phend	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
bis(2-Chloroethyl) ether	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
2-Chlorophend	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
1,3-Dichlorobenzene	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
1,4-Dichlorobenzene	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
1,2-Dichlorobenzene	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
2-Methylphend	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
2,2'-oxybis(1-Chloropropane)	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
4-Methylphend	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
N-Nitroso-di-n-propylamine	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
Hexachloroethane	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
Nitrobenzene	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
Isophorone	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
2-Nitrophenol	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
2,4-Dimethylphenol	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
bis(2-Chloroethoxy) methane	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
2,4-Dichlorophenol	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
1,2,4-Trichlorobenzene	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
Naphthalene	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	29 J	400 U	420 U	370 U	
4-Chloroaniline	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
Hexachlorobutadiene	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
4-Chloro-3-methylphenol	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
2-Methylnaphthalene	ug/Kg 370 U	390 U	410 U	390 U	30 J	47 J	49 J	400 U	420 U	370 U	
Hexachlorocyclopentadiene	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
2,4,6-Trichlorophenol	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
2,4,5-Trichlorophenol	ug/Kg 900 U	940 U	1000 U	940 U	1100 U	1100 U	1100 U	980 U	1000 U	890 U	
2-Chloronaphthalene	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
2-Nitroaniline	ug/Kg 900 U	940 U	1000 U	940 U	1100 U	1100 U	1100 U	980 U	1000 U	890 U	
Dimethylphthalate	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
Aceraphthylene	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
2,6-Dinitrotoluene	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
3-Nitroaniline	ug/Kg 900 U	940 U	1000 U	940 U	1100 U	1100 U	1100 U	980 U	1000 U	890 U	
Aceraphthene	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
2,4-Dinitrophenol	ug/Kg 900 U	940 U	1000 U	940 U	1100 U	1100 U	1100 U	980 U	1000 U	890 U	
4-Nitrophenol	ug/Kg 900 U	940 U	1000 U	940 U	1100 U	1100 U	1100 U	980 U	1000 U	890 U	
Dibenzoturan	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
2,4-Dinitrotoluene	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
Diethylphthalate	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
4-Chlorophenyl-phenylether	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
Fluorene	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
4-Nitroaniline	ug/Kg 900 U	940 U	1000 U	940 U	1100 U	1100 U	1100 U	980 U	1000 U	890 U	
4,6-Dinitro-2-methylphenol	ug/Kg 900 U	940 U	1000 U	940 U	1100 U	1100 U	1100 U	980 U	1000 U	890 U	
N-Nitrosodiphenylamine	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
4-Bromophenyl-phenylether	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
Hexachlorobenzene	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
Pentachlorophenol	ug/Kg 900 U	940 U	1000 U	940 U	1100 U	1100 U	1100 U	980 U	1000 U	890 U	
Phenanthrene	ug/Kg 370 U	390 U	410 U	390 U	35 J	36 J	57 J	400 U	24 J	370 U	
Anthracene	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
Carbazole	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
Di-n-butylphthalate	ug/Kg 38 J	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
Fluoranthene	ug/Kg 370 U	390 U	410 U	390 U	47 J	62 J	99 J	21 J	33 J	370 U	
Pyrene	ug/Kg 370 U	390 U	410 U	390 U	38 J	47 J	81 J	20 J	25 J	370 U	
Butylbenzylphthalate	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
3,3'-Dichlorobenzidine	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
Benzo(a)anthracene	ug/Kg 370 U	390 U	410 U	390 U	22 J	23 J	41 J	400 U	420 U	370 U	
Chrysene	ug/Kg 370 U	390 U	410 U	390 U	34 J	36 J	53 J	400 U	22 J	370 U	
bis(2-Ethylhexyl)phthalate	ug/Kg 69 J	25 J	69 J	390 U	120 J	470 U	440 U	19 J	420 U	370 U	
Di-n-octylphthalate	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
Benzo(b)fluoranthene	ug/Kg 370 U	390 U	410 U	390 U	26 J	28 J	39 J	400 U	420 U	370 U	
Benzo(k)fluoranthene	ug/Kg 370 U	390 U	410 U	390 U	27 J	470 U	53 J	400 U	420 U	370 U	
Benzo(a)pyrene	ug/Kg 370 U	390 U	410 U	390 U	25 J	27 J	43 J	400 U	420 U	370 U	
Indeno(1,2,3-cd)pyrene	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	26 J	400 U	420 U	370 U	
Dibenz(a,h)anthracene	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U	
Benzo(g,h,i)perylene	ug/Kg 370 U	390 U	410 U	390 U	460 U	470 U	23 J	400 U	420 U	370 U	

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64
DEPTH (FEET)	2	2	2	2	2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
SAMPLE DATE	06/09/94	06/09/94	06/09/94	06/09/94	06/09/94	04/14/94	04/14/94	04/14/94	04/14/94	04/14/94	06/23/94
ES ID	TP64C-2-1	TP64C-2-2	TP64C-3-1	TP64C-3-2	SS64D-1	SS64D-2	SS64D-3	SS64D-4	SS64D-5	SS64D-1-00	
LAB ID	223778	223779	223780	223781	217694	217695	217696	217697	217698	225467	
SDG NUMBER	44725	44725	44725	44725	43535	43535	43535	43535	43535	44799	
UNITS											
PESTICIDES/PCB											
alpha-BHC	ug/Kg	1.9 U	2 U	2.1 U	2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.2 U	1.9 U
beta-BHC	ug/Kg	1.9 U	2 U	2.1 U	2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.2 U	1.9 U
delta-BHC	ug/Kg	1.9 U	2 U	2.1 U	2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.2 U	1.9 U
gamma-BHC (Lindane)	ug/Kg	1.9 U	2 U	2.1 U	2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.2 U	1.9 U
Heptachlor	ug/Kg	1.9 U	2 U	2.1 U	2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.2 U	1.9 U
Aldrin	ug/Kg	1.9 U	2 U	2.1 U	2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.2 U	1.9 U
Heptachlor epoxide	ug/Kg	1.9 U	2 U	2.1 U	2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.2 U	1.9 U
Endosulfan I	ug/Kg	1.9 U	2 U	2.1 U	2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.2 U	1.9 U
Dieldrin	ug/Kg	3.7 U	3.9 U	4.1 U	3.8 U	4.6 U	4.7 U	4.5 U	4 U	4.2 U	3.7 U
4,4'-DDE	ug/Kg	3.7 U	3.9 U	4.1 U	3.8 U	4.6 U	4.7 U	4.5 U	4 U	4.2 U	3.7 U
Endrin	ug/Kg	3.7 U	3.9 U	4.1 U	3.8 U	4.6 U	4.7 U	4.5 U	4 U	4.2 U	3.7 U
Endosulfan II	ug/Kg	3.7 U	3.9 U	4.1 U	3.8 U	4.6 U	4.7 U	4.5 U	4 U	4.2 U	3.7 U
4,4'-DDD	ug/Kg	3.7 U	3.9 U	4.1 U	3.8 U	4.6 U	4.7 U	4.5 U	4 U	4.2 U	3.7 U
Endosulfan sulfate	ug/Kg	3.7 U	3.9 U	4.1 U	3.8 U	4.6 U	4.7 U	4.5 U	4 U	4.2 U	3.7 U
4,4'-DDT	ug/Kg	3.7 U	3.9 U	4.1 U	3.8 U	4.6 U	4.7 U	4.5 U	4 U	4.2 U	3.7 U
Methoxychlor	ug/Kg	19 U	20 U	21 U	20 U	24 U	24 U	23 U	21 U	22 U	19 U
Endrin ketone	ug/Kg	3.7 U	3.9 U	4.1 U	3.8 U	4.6 U	4.7 U	4.5 U	4 U	4.2 U	3.7 U
Endrin aldehyde	ug/Kg	3.7 U	3.9 U	4.1 U	3.8 U	4.6 U	4.7 U	4.5 U	4 U	4.2 U	3.7 U
alpha-Chlordane	ug/Kg	1.9 U	2 U	2.1 U	2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.2 U	1.9 U
gamma-Chlordane	ug/Kg	1.9 U	2 U	2.1 U	2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.2 U	1.9 U
Toxaphene	ug/Kg	190 U	200 U	210 U	200 U	240 U	240 U	230 U	210 U	220 U	190 U
Aroclor-1016	ug/Kg	37 U	39 U	41 U	38 U	46 U	47 U	45 U	40 U	42 U	37 U
Aroclor-1221	ug/Kg	75 U	79 U	84 U	78 U	94 U	96 U	91 U	82 U	85 U	74 U
Aroclor-1232	ug/Kg	37 U	39 U	41 U	38 U	46 U	47 U	45 U	40 U	42 U	37 U
Aroclor-1242	ug/Kg	37 U	39 U	41 U	38 U	46 U	47 U	45 U	40 U	42 U	37 U
Aroclor-1248	ug/Kg	37 U	39 U	41 U	38 U	46 U	47 U	45 U	40 U	42 U	37 U
Aroclor-1254	ug/Kg	37 U	39 U	41 U	38 U	46 U	47 U	45 U	40 U	42 U	37 U
Aroclor-1260	ug/Kg	37 U	39 U	41 U	38 U	46 U	47 U	45 U	40 U	42 U	37 U
METALS											
Aluminum	mg/Kg	11400	13400	9200	10600	11300	8930	12900	12000	10300	16700
Antimony	mg/Kg	0.21 UJ	0.17 UJ	0.24 UJ	0.23 UJ	0.24 UJ	0.16 UJ	0.18 UJ	0.19 J	0.19 UJ	0.23 UJ
Arsenic	mg/Kg	6.1	6.8	4.2	4.9	4.3	3.9	6.4	4.5	3.6	6.1
Barium	mg/Kg	92.6	165	61.1	75.1	76.4	74.6	89.3	61.8	77.3	87.7
Beryllium	mg/Kg	0.61 J	0.63 J	0.46 J	0.52 J	0.53 J	0.43 J	0.65 J	0.56 J	0.45 J	0.76 J
Cadmium	mg/Kg	1	0.73	0.87 J	0.75 J	0.38 J	0.35 J	0.42 J	0.42 J	0.27 J	0.76 J
Calcium	mg/Kg	65400	3300	129000	68200	88900	129000	34900	64800	64100	10600
Chromium	mg/Kg	17.4	18	13.8	16.1	18.3	13.5	20.4	18.8	15.3	25.2
Cobalt	mg/Kg	13	13.9	7.4 J	9.7	9.3 J	7.8 J	12.7	8.8	7.3 J	12.8
Copper	mg/Kg	28.7	28.7	17.6	23.2	18.8	14.5	20.6	19.7	15.5	28.1
Iron	mg/Kg	24100	21900	18500	20800	23200	17800	26400	22900	17000	33800
Lead	mg/Kg	12.9	9	8.4	11.1	13.2	11.4	18.7	10	12.2	14.2
Magnesium	mg/Kg	15900	4370	29700	16800	7720	9080	7460	13400	11600	6610
Manganese	mg/Kg	579	2220	352	409	475 J	424 J	750 J	457 J	323 J	608
Mercury	mg/Kg	0.03 J	0.04 J	0.03 J	0.02 J	0.02 J	0.01 J	0.02 J	0.01 J	0.01 J	0.02 J
Nickel	mg/Kg	35	41.1	22.4	29	25.7	20.3	32.4	26.5	20.3	40.3
Potassium	mg/Kg	1790 J	1900 J	1990 J	2180 J	1610	1480	1590	2200	2330	1870 J
Selenium	mg/Kg	0.44 U	0.62 J	0.49 U	0.47 U	0.53 J	0.27 U	0.49 J	0.21 U	0.33 U	1.7
Silver	mg/Kg	0.08 U	0.07 U	0.09 U	0.09 U	0.95 U	0.62 U	0.69 U	0.48 U	0.75 U	0.09 U
Sodium	mg/Kg	93.8 J	19.8 J	93.8 J	89.1 J	100 J	95.7 J	59.6 J	151 J	30.3 J	43.6 J
Thallium	mg/Kg	0.31 U	0.25 U	0.34 U	0.33 U	0.39 U	0.28 U	0.28 U	0.2 U	0.31 U	0.33 U
Vanadium	mg/Kg	19.4	24.4	16.5	19	18.2	14.1	21.1	18.5	18.4	24.7
Zinc	mg/Kg	93.9	52.5	80.8	68.1	72.6	63.1	87.9	80.4	54.8	102
Cyanide	mg/Kg	0.37 U	0.41 U	0.52 U	0.46 U	0.69 U	0.63 U	0.65 U	0.59 U	0.49 U	0.44 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	89	64.7	80.1	85.5	71.4	70.1	74.1	82.2	78.6	90.5

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-64 0.2-1.2 06/23/94 SB64D-1-01 225468 44799	SOIL SEAD-64 2-3 06/23/94 SB64D-1-02 225469 44799	SOIL SEAD-64 0-0.2 06/23/94 SB64D-2-00 225470 44799	SOIL SEAD-64 2-3.5 06/23/94 SB64D-2-02 225471 44799	SOIL SEAD-64 4-6 06/23/94 SB64D-2-03 225472 44799	SOIL SEAD-64 0-0.2 06/24/94 SB64D-3-00 225473 44799	SOIL SEAD-64 0-2 06/24/94 SB64D-3-20 225499 45048	SOIL SEAD-64 0.2-2 06/24/94 SB64D-3-01 225497 45048	SOIL SEAD-64 2-3.2 06/24/94 SB64D-3-02 225498 45048	SOIL SEAD-64 0-0.2 06/24/94 SB64D-4-00 225522 45048
COMPOUND	UNITS									
VOLATILE ORGANICS										
Chloromethane	ug/Kg 12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Bromomethane	ug/Kg 12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Vinyl Chloride	ug/Kg 12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Chloroethane	ug/Kg 12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Methylene Chloride	ug/Kg 1 J	1 J	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Acetone	ug/Kg 12 U	11 U	12 U	12 U	11 U	13 U	13 U	12 U	12 U	14 U
Carbon Disulfide	ug/Kg 12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
1,1-Dichloroethane	ug/Kg 12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
1,1-Dichloroethane	ug/Kg 12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
1,2-Dichloroethane (total)	ug/Kg 12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Chloroform	ug/Kg 12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
1,2-Dichloroethane	ug/Kg 12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
2-Butanone	ug/Kg 12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
1,1,1-Trichloroethane	ug/Kg 12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Carbon Tetrachloride	ug/Kg 12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Bromodichloromethane	ug/Kg 12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
1,2-Dichloropropane	ug/Kg 12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
cis-1,3-Dichloropropene	ug/Kg 12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Trichloroethene	ug/Kg 12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Dibromochloromethane	ug/Kg 12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
1,1,2-Trichloroethane	ug/Kg 12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Benzene	ug/Kg 12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
trans-1,3-Dichloropropene	ug/Kg 12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Bromoform	ug/Kg 12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
4-Methyl-2-Pentanone	ug/Kg 12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
2-Hexanone	ug/Kg 12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Tetrachloroethene	ug/Kg 12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
1,1,2,2-Tetrachloroethane	ug/Kg 12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Toluene	ug/Kg 12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Chlorobenzene	ug/Kg 12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Ethylbenzene	ug/Kg 12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Styrene	ug/Kg 12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Xylene (total)	ug/Kg 12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
HERBICIDES										
2,4-D	ug/Kg									
2,4-DB	ug/Kg									
2,4,5-T	ug/Kg									
2,4,5-TP (Silvex)	ug/Kg									
Dalapon	ug/Kg									
Dicamba	ug/Kg									
Dichloroprop	ug/Kg									
Dinoseb	ug/Kg									
MCPA	ug/Kg									
MCPP	ug/Kg									
NITROAROMATICS										
HMX	ug/Kg									
RDX	ug/Kg									
1,3,5-Trinitrobenzene	ug/Kg									
1,3-Dinitrobenzene	ug/Kg									
Tetryl	ug/Kg									
2,4,6-Trinitrotoluene	ug/Kg									
4-amino-2,6-Dinitrotoluene	ug/Kg									
2-amino-4,6-Dinitrotoluene	ug/Kg									
2,6-Dinitrotoluene	ug/Kg									
2,4-Dinitrotoluene	ug/Kg									

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-64 0.2-1.2 06/23/94 SB64D-1-01 225468 44799	SOIL SEAD-64 2-3 06/23/94 SB64D-1-02 225469 44799	SOIL SEAD-64 0-0.2 06/23/94 SB64D-2-00 225470 44799	SOIL SEAD-64 2-3.5 06/23/94 SB64D-2-02 225471 44799	SOIL SEAD-64 4-6 06/23/94 SB64D-2-03 225472 44799	SOIL SEAD-64 0-0.2 06/24/94 SB64D-3-00 225473 44799	SOIL SEAD-64 0-2 06/24/94 SB64D-3-20 225499 45048	SOIL SEAD-64 0.2-2 06/24/94 SB64D-3-01 225497 45048	SOIL SEAD-64 2-3.2 06/24/94 SB64D-3-02 225498 45048	SOIL SEAD-64 0-0.2 06/24/94 SB64D-4-00 225522 45048
COMPOUND										
SEMIVOLATILE ORGANICS										
Phend	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	42 J	390 U	390 U	460 U
bis(2-Chloroethyl) ether	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2-Chlorophend	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
1,3-Dichlorobenzene	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
1,4-Dichlorobenzene	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
1,2-Dichlorobenzene	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2-Methylphend	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2,2'-oxybis(1-Chloropropane)	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
4-Methylphend	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
N-Nitroso-di-n-propylamine	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Hexachloroethane	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Nitrobenzene	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Isophorone	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2-Nitrophend	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2,4-Dimethylphend	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
bis(2-Chloroethoxy) methane	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2,4-Dichlorophenol	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
1,2,4-Trichlorobenzene	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Naphthalene	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
4-Chloroaniline	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Hexachlorobutadiene	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
4-Chloro-3-methylphenol	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2-Methylnaphthalene	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Hexachlorocyclopentadiene	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2,4,6-Trichlorophenol	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2,4,5-Trichlorophenol	ug/Kg 920 U	880 U	930 U	990 U	860 U	1100 U	1100 U	940 U	950 U	1100 U
2-Chloronaphthalene	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2-Nitroaniline	ug/Kg 920 U	880 U	930 U	990 U	860 U	1100 U	1100 U	940 U	950 U	1100 U
Dimethylphthalate	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Aceraphthylene	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2,6-Dinitrotoluene	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
3-Nitroaniline	ug/Kg 920 U	880 U	930 U	990 U	860 U	1100 U	1100 U	940 U	950 U	1100 U
Aceraphthene	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2,4-Dinitrophenol	ug/Kg 920 U	880 U	930 U	990 U	860 U	1100 U	1100 U	940 U	950 U	1100 U
4-Nitrophenol	ug/Kg 920 U	880 U	930 U	990 U	860 U	1100 U	1100 U	940 U	950 U	1100 U
Dibenzofuran	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2,4-Dinitrotoluene	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Diethylphthalate	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
4-Chlorophenyl-phenylether	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Fluorene	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
4-Nitroaniline	ug/Kg 920 U	880 U	930 U	990 U	860 U	1100 U	1100 U	940 U	950 U	1100 U
4,8-Dinitro-2-methylphenol	ug/Kg 920 U	880 U	930 U	990 U	860 U	1100 U	1100 U	940 U	950 U	1100 U
N-Nitrosodiphenylamine	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
4-Bromophenyl-phenylether	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Hexachlorobenzene	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Pentachlorophend	ug/Kg 920 U	880 U	930 U	990 U	860 U	1100 U	1100 U	940 U	950 U	1100 U
Phenanthrene	ug/Kg 380 U	360 U	380 U	410 U	350 U	98 J	58 J	22 J	390 U	36 J
Anthracene	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Carbazole	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Di-n-butylphthalate	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Fluoranthene	ug/Kg 380 U	360 U	380 U	410 U	350 U	240 J	170 J	31 J	390 U	81 J
Pyrene	ug/Kg 380 U	360 U	380 U	410 U	350 U	160 J	100 J	20 J	390 U	54 J
Butylbenzylphthalate	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
3,3'-Dichlorobenzidine	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Benzo(a)anthracene	ug/Kg 380 U	360 U	380 U	410 U	350 U	86 J	69 J	390 U	390 U	38 J
Chrysene	ug/Kg 380 U	360 U	380 U	410 U	350 U	110 J	74 J	390 U	390 U	41 J
bis(2-Ethylhexyl)phthalate	ug/Kg 32 J	29 J	25 J	410 U	33 J	96 J	440 U	390 U	390 U	460 U
Di-n-octylphthalate	ug/Kg 380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Benzo(b)fluoranthene	ug/Kg 380 U	360 U	380 U	410 U	350 U	88 J	63 J	390 U	390 U	61 J
Benzo(k)fluoranthene	ug/Kg 380 U	360 U	380 U	410 U	350 U	110 J	77 J	390 U	390 U	47 J
Benzo(a)pyrene	ug/Kg 380 U	360 U	380 U	410 U	350 U	77 J	61 J	390 U	390 U	68 J
Indeno(1,2,3-cd)pyrene	ug/Kg 380 U	360 U	380 U	410 U	350 U	61 J	42 J	390 U	390 U	53 J
Dibenz(a,h)anthracene	ug/Kg 380 U	360 U	380 U	410 U	350 U	34 J	24 J	390 U	390 U	40 J
Benzo(g,h,i)perylene	ug/Kg 380 U	360 U	380 U	410 U	350 U	54 J	440 U	390 U	390 U	68 J

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-84	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64
DEPTH (FEET)	0.2-1.2	2-3	0-0.2	2-3.5	4-6	0-0.2	0-2	0.2-2	0-2	0.2-2	0-0.2
SAMPLE DATE	06/23/94	06/23/94	06/23/94	06/23/94	06/23/94	06/24/94	06/24/94	06/24/94	06/24/94	06/24/94	06/24/94
ES ID	SB64D-1-01	SB64D-1-02	SB64D-2-00	SB64D-2-02	SB64D-2-03	SB64D-3-00	SB64D-3-20	SB64D-3-01	SB64D-3-02	SB64D-4-00	
LAB ID	225468	225469	225470	225471	225472	225473	225499	225497	225498	225522	
SDG NUMBER	44799	44799	44799	44799	44799	44799	45048	45048	45048	45048	
COMPOUND	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2 U	1.9 U	2 U	2.1 UJ	1.8 U	2.3 U	2.3 U	2 U	2 U	2.4 U
beta-BHC	ug/Kg	2 U	1.9 U	2 U	2.1 UJ	1.8 U	2.3 U	2.3 U	2 U	2 U	2.4 U
delta-BHC	ug/Kg	2 U	1.9 U	2 U	2.1 UJ	1.8 U	2.3 U	2.3 U	2 U	2 U	2.4 U
gamma-BHC (Lindane)	ug/Kg	2 U	1.9 U	2 U	2.1 UJ	1.8 U	2.3 U	2.3 U	2 U	2 U	2.4 U
Heptachlor	ug/Kg	2 U	1.9 U	2 U	2.1 UJ	1.8 U	2.3 U	2.3 U	2 U	2 U	2.4 U
Aldrin	ug/Kg	2 U	1.9 U	2 U	2.1 UJ	1.8 U	2.3 U	2.3 U	2 U	2 U	2.4 U
Heptachlor epoxide	ug/Kg	2 U	1.9 U	2 U	2.1 UJ	1.8 U	2.3 U	2.3 U	2 U	2 U	2.4 U
Endosulfan I	ug/Kg	2 U	1.9 U	2 U	2.1 UJ	1.8 U	2.3 U	2.3 U	2 U	2 U	2.4 U
Dieldrin	ug/Kg	3.8 U	3.6 U	3.8 U	4.1 UJ	3.5 U	4.4 U	4.4 U	3.9 U	3.9 U	4.6 U
4,4'-DDE	ug/Kg	3.8 U	3.6 U	3.8 U	4.1 UJ	3.5 U	4.4 U	4.4 U	3.9 U	3.9 U	4.6 U
Endrin	ug/Kg	3.8 U	3.6 U	3.8 U	4.1 UJ	3.5 U	4.4 U	4.4 U	3.9 U	3.9 U	4.6 U
Endosulfan II	ug/Kg	3.8 U	3.6 U	3.8 U	4.1 UJ	3.5 U	4.4 U	4.4 U	3.9 U	3.9 U	4.6 U
4,4'-DDD	ug/Kg	3.8 U	3.6 U	3.8 U	4.1 UJ	3.5 U	4.4 U	4.4 U	3.9 U	3.9 U	4.6 U
Endosulfan sulfate	ug/Kg	3.8 U	3.6 U	3.8 U	4.1 UJ	3.5 U	4.4 U	4.4 U	3.9 U	3.9 U	4.6 U
4,4'-DDT	ug/Kg	3.8 U	3.6 U	3.8 U	4.1 UJ	3.5 U	4.4 U	4.4 U	3.9 U	3.9 U	4.6 U
Methoxychlor	ug/Kg	20 U	19 U	20 U	21 UJ	18 U	23 U	23 U	20 U	20 U	24 U
Endrin ketone	ug/Kg	3.8 U	3.6 U	3.8 U	4.1 UJ	3.5 U	4.4 U	4.4 U	3.9 U	3.9 U	4.6 U
Endrin aldehyde	ug/Kg	3.8 U	3.6 U	3.8 U	4.1 UJ	3.5 U	4.4 U	4.4 U	3.9 U	3.9 U	4.6 U
alpha-Chlordane	ug/Kg	2 U	1.9 U	2 U	2.1 UJ	1.8 U	2.3 U	2.3 U	2 U	2 U	2.4 U
gamma-Chlordane	ug/Kg	2 U	1.9 U	2 U	2.1 UJ	1.8 U	2.3 U	2.3 U	2 U	2 U	2.4 U
Toxaphene	ug/Kg	200 U	190 U	200 U	210 UJ	180 U	230 U	230 U	200 U	200 U	240 U
Aroclor-1016	ug/Kg	38 U	36 U	38 U	41 UJ	35 U	44 U	44 U	39 U	39 U	46 U
Aroclor-1221	ug/Kg	78 U	74 U	78 U	83 UJ	72 U	89 U	89 U	79 U	80 U	94 U
Aroclor-1232	ug/Kg	38 U	36 U	38 U	41 UJ	35 U	44 U	44 U	39 U	39 U	46 U
Aroclor-1242	ug/Kg	38 U	36 U	38 U	41 UJ	35 U	44 U	44 U	39 U	39 U	46 U
Aroclor-1248	ug/Kg	38 U	36 U	38 U	41 UJ	35 U	44 U	44 U	39 U	39 U	46 U
Aroclor-1254	ug/Kg	38 U	36 U	38 U	41 UJ	35 U	44 U	44 U	39 U	39 U	46 U
Aroclor-1260	ug/Kg	38 U	36 U	38 U	41 UJ	35 U	44 U	44 U	39 U	39 U	46 U
METALS											
Aluminum	mg/Kg	14100	7480	14800	17600	11100	14200	16100	14900	15500	17400
Antimony	mg/Kg	0.17 UJ	0.17 UJ	0.22 UJ	0.28 UJ	0.21 UJ	0.26 UJ	0.47 J	0.22 J	0.21 UJ	0.4 J
Arsenic	mg/Kg	6.9	3.8	6.2	6.3	5	5.9	6	5.9	7.1	6.6
Barium	mg/Kg	81.5	38.5	93.2	115	45.3	103	111	92.1	107	116
Beryllium	mg/Kg	0.7	0.32 J	0.73 J	0.93 J	0.5 J	0.71 J	0.73 J	0.74	0.76 J	0.78 J
Cadmium	mg/Kg	0.66 J	0.54 J	0.78 J	0.97 J	0.65 J	0.64 J	0.4 J	0.36 J	0.51 J	0.43 J
Calcium	mg/Kg	3830	36900	13800	4250	45600	4900	4940 J	3060 J	3970 J	5120 J
Chromium	mg/Kg	22.1	11.8	21.7	25.3	16.9	16.6	20.5	20.7	22.9	22.9
Cobalt	mg/Kg	11.5	7.7	11.8	18.6	11.1	8.1 J	8.5 J	10.4	16.2	11.5 J
Copper	mg/Kg	27.5	18.7	24.9	22.1	20.6	21.6	24	20.7	30.7	20.6
Iron	mg/Kg	32000	16800	29800	36600	24200	23200	24400	26900	30700	28300
Lead	mg/Kg	15.1	8.8	60.7	15.5	8.2	19.1	19.3 J	17 J	14.4 J	21.5 J
Magnesium	mg/Kg	5240	11800	5700	5850	9520	3800	4110	3890	4980	3990
Manganese	mg/Kg	640	415	688	1240	476	549	564	690	1790	884
Mercury	mg/Kg	0.04 J	0.02 J	0.05 J	0.06 J	0.02 J	0.08 J	0.08 J	0.07 J	0.06 J	0.08
Nickel	mg/Kg	37.8	20.6	31.4	41.2	28	22.5	23.6	25.8	41.8	27.2
Potassium	mg/Kg	1380 J	1080 J	1800 J	1470 J	1190 J	1820 J	2130 J	1440 J	1730 J	2280 J
Selenium	mg/Kg	1.4	0.44 J	1.6	1.6	0.62 J	2	1.4	1.2	1.2	1.7
Silver	mg/Kg	0.07 U	0.07 U	0.08 U	0.11 U	0.08 U	0.1 U	0.12 U	0.07 U	0.08 U	0.14 U
Sodium	mg/Kg	35.7 J	26.4 J	50.4 J	35.9 J	78.9 J	19.7 U	24.3 U	14.5 U	25.4 J	27.1 U
Thallium	mg/Kg	0.45 J	0.3 J	0.32 U	0.41 U	0.3 U	0.58 J	0.46 U	0.41 J	0.48 J	0.52 U
Vanadium	mg/Kg	23.3	13.5	22.1	23.9	15.8	22.4	25.4	23.7	25.2	26.9
Zinc	mg/Kg	95.3	63.1	93	98.4	86.1	82.9	89	85.8	97.5	91
Cyanide	mg/Kg	0.59 U	0.36 U	0.33 U	0.59 U	0.47 U	0.5 U	0.67 U	0.5 U	0.54 U	0.69 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	86.5	91.2	85.9	81.3	93.2	74.7	75	85.4	84.4	71.2

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SOIL SEAD-64 0.2-2.0 06/24/94 SB64D-4-01 225523 45048	SOIL SEAD-64 2-4 06/24/94 SB64D-4-02 225524 45048	SOIL SEAD-64 0-0.2 06/25/94 SB64D-5.00 225570 45058	SOIL SEAD-64 2-4 06/25/94 SB64D-5.02 225571 45058	SOIL SEAD-64 4-6 06/25/94 SB64D-5.03 225572 45058	SOIL SEAD-64 0-0.2 06/25/94 SB64D-6.00 225573 45058	SOIL SEAD-64 0.2-2 06/25/94 SB64D-6.01 225574 45058	SOIL SEAD-64 2-4 06/25/94 SB64D-6.02 225575 45058	SOIL SEAD-64 0-0.2 06/24/94 SB64D-7-00 225525 45048	SOIL SEAD-64 0.2-2.0 06/24/94 SB64D-7-01 225526 45048	
VOLATILE ORGANICS											
Chloromethane	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Bromomethane	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Vinyl Chloride	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Chloroethane	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Methylene Chloride	ug/Kg	12 U	11 U	13 U	1 J	12 U	13 U	12 U	1 J	14 U	12 U
Acetone	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Carbon Disulfide	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
1,1-Dichloroethane	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
1,1-Dichloroethane	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
1,2-Dichloroethane (total)	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Chloroform	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
1,2-Dichloroethane	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
2-Butanone	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
1,1,1-Trichloroethane	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Carbon Tetrachloride	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Bromodichloromethane	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
1,2-Dichloropropane	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
cis-1,3-Dichloropropene	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Trichloroethane	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Dibromochloromethane	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
1,1,2-Trichloroethane	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Benzene	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
trans-1,3-Dichloropropene	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Bromoform	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
4-Methyl-2-Pentanone	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
2-Hexanone	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Tetrachloroethane	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Toluene	ug/Kg	12 U	11 U	13 U	1 J	12 U	13 U	12 U	11 U	14 U	12 U
Chlorobenzene	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Ethylbenzene	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Styrene	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Xylene (total)	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
HERBICIDES											
2,4-D	ug/Kg										
2,4-DB	ug/Kg										
2,4,5-T	ug/Kg										
2,4,5-TP (Silvex)	ug/Kg										
Dalapon	ug/Kg										
Dicamba	ug/Kg										
Dichloroprop	ug/Kg										
Dinoseb	ug/Kg										
MCPA	ug/Kg										
MCPP	ug/Kg										
NITROAROMATICS											
HMX	ug/Kg										
RDX	ug/Kg										
1,3,5-Trinitrobenzene	ug/Kg										
1,3-Dinitrobenzene	ug/Kg										
Tetryl	ug/Kg										
2,4,6-Trinitrotoluene	ug/Kg										
4-amino-2,6-Dinitrotoluene	ug/Kg										
2-amino-4,6-Dinitrotoluene	ug/Kg										
2,6-Dinitrotoluene	ug/Kg										
2,4-Dinitrotoluene	ug/Kg										

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-64 0.2-2.0 06/24/94 SB64D-4-01 225523 45048	SOIL SEAD-64 2-4 06/24/94 SB64D-4-02 225524 45048	SOIL SEAD-64 0-0.2 06/25/94 SB64D-5.00 225570 45058	SOIL SEAD-64 2-4 06/25/94 SB64D-5.02 225571 45058	SOIL SEAD-64 4-8 06/25/94 SB64D-5.03 225572 45058	SOIL SEAD-64 0-0.2 06/25/94 SB64D-8.00 225573 45058	SOIL SEAD-64 0.2-2 06/25/94 SB64D-6.01 225574 45058	SOIL SEAD-64 2-4 06/25/94 SB64D-6.02 225575 45058	SOIL SEAD-64 0-0.2 06/24/94 SB64D-7-00 225525 45048	SOIL SEAD-64 0.2-2.0 06/24/94 SB64D-7-01 225526 45048	
SEMIVOLATILE ORGANICS											
Phend	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
bis(2-Chloroethyl) ether	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
2-Chlorophend	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
1,3-Dichlorobenzene	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
1,4-Dichlorobenzene	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
1,2-Dichlorobenzene	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
2-Methylphenol	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
2,2'-oxybis(1-Chloropropane)	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
4-Methylphenol	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
N-Nitroso-di-n-propylamine	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
Hexachloroethane	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
Nitrobenzene	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
Isophorone	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
2-Nitrophenol	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
2,4-Dimethylphenol	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
bis(2-Chloroethoxy) methane	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
2,4-Dichlorophenol	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
1,2,4-Trichlorobenzene	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
Naphthalene	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
4-Chloroaniline	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
Hexachlorobutadiene	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
4-Chloro-3-methylphenol	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
2-Methylnaphthalene	ug/Kg 420 U	370 U	46 J	22 J	370 U	440 U	380 U	370 U	460 U	390 U	
Hexachlorocyclopentadiene	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
2,4,8-Trichlorophenol	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
2,4,5-Trichlorophenol	ug/Kg 1000 U	890 U	1100 U	930 U	910 U	1100 U	930 U	910 U	1100 U	950 U	
2-Chloronaphthalene	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
2-Nitroaniline	ug/Kg 1000 U	890 U	1100 U	930 U	910 U	1100 U	930 U	910 U	1100 U	950 U	
Dimethylphthalate	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
Acenaphthylene	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
2,6-Dinitrotoluene	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
3-Nitroaniline	ug/Kg 1000 U	890 U	1100 U	930 U	910 U	1100 U	930 U	910 U	1100 U	950 U	
Acenaphthene	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
2,4-Dinitrophenol	ug/Kg 1000 U	890 U	1100 U	930 U	910 U	1100 U	930 U	910 U	1100 U	950 U	
4-Nitrophenol	ug/Kg 1000 U	890 U	1100 U	930 U	910 U	1100 U	930 U	910 U	1100 U	950 U	
Dibenzofuran	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
2,4-Dinitrotoluene	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
Diethylphthalate	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
4-Chlorophenyl-phenylether	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
Fluorene	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
4-Nitroaniline	ug/Kg 1000 U	890 U	1100 U	930 U	910 U	1100 U	930 U	910 U	1100 U	950 U	
4,8-Dinitro-2-methylphenol	ug/Kg 1000 U	890 U	1100 U	930 U	910 U	1100 U	930 U	910 U	1100 U	950 U	
N-Nitrosodiphenylamine	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
4-Bromophenyl-phenylether	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
Hexachlorobenzene	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
Pentachlorophenol	ug/Kg 1000 U	890 U	1100 U	930 U	910 U	1100 U	930 U	910 U	1100 U	950 U	
Phenanthrene	ug/Kg 420 U	370 U	100 J	29 J	370 U	34 J	380 U	370 U	460 U	390 U	
Anthracene	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
Carbazole	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
Di-n-butylphthalate	ug/Kg 420 U	370 U	77 J	48 J	75 J	76 J	32 J	74 J	54 J	390 U	
Fluoranthene	ug/Kg 420 U	370 U	140 J	25 J	370 U	52 J	380 U	370 U	39 J	390 U	
Pyrene	ug/Kg 420 U	370 U	100 J	380 U	370 U	41 J	380 U	370 U	41 J	390 U	
Butylbenzylphthalate	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
3,3'-Dichlorobenzidine	ug/Kg 420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U	
Benzo(a)anthracene	ug/Kg 420 U	370 U	86 J	380 U	370 U	43 J	380 U	370 U	460 U	390 U	
Chrysene	ug/Kg 420 U	370 U	97 J	28 J	370 U	47 J	380 U	370 U	460 U	390 U	
bis(2-Ethylhexyl)phthalate	ug/Kg 1100	34 J	450 U	380 U	370 U	440 U	380 U	370 U	66 J	58 J	
Di-n-octylphthalate	ug/Kg 420 U	370 U	450 U	380 U	370 U	75 J	380 U	370 U	460 U	390 U	
Benzo(f)fluoranthene	ug/Kg 420 U	370 U	160 J	22 J	370 U	48 J	380 U	370 U	460 U	390 U	
Benzo(k)fluoranthene	ug/Kg 420 U	370 U	450 U	21 J	370 U	47 J	380 U	370 U	460 U	390 U	
Benzo(e)pyrene	ug/Kg 420 U	370 U	64 J	23 J	370 U	47 J	380 U	370 U	460 U	390 U	
Indeno(1,2,3-cd)pyrene	ug/Kg 420 U	370 U	53 J	380 U	370 U	43 J	380 U	370 U	460 U	390 U	
Dibenz(a,h)anthracene	ug/Kg 420 U	370 U	34 J	380 U	370 U	33 J	380 U	370 U	460 U	390 U	
Benzo(g,h,i)perylene	ug/Kg 420 U	370 U	41 J	22 J	370 U	46 J	380 U	370 U	460 U	390 U	

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64
DEPTH (FEET)	0.2-2.0	2-4	0-0.2	2-4	4-6	0-0.2	0.2-2	2-4	0-0.2	0.2-2.0	0.2-2.0
SAMPLE DATE	06/24/94	06/24/94	06/25/94	06/25/94	06/25/94	06/25/94	06/25/94	06/25/94	06/25/94	06/24/94	06/24/94
ES ID	SB64D-4-01	SB64D-4-02	SB64D-5.00	SB64D-5.02	SB64D-5.03	SB64D-6.00	SB64D-6.01	SB64D-6.02	SB64D-7-00	SB64D-7-01	SB64D-7-01
LAB ID	225523	225524	225570	225571	225572	225573	225574	225575	225525	225526	225526
SDG NUMBER	45048	45048	45058	45058	45058	45058	45058	45058	45058	45048	45048
COMPOUND	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2.2 U	1.9 U	2.3 U	2 U	1.9 U	2.3 U	2 U	1.9 U	2.4 U	2 U
beta-BHC	ug/Kg	2.2 U	1.9 U	2.3 U	2 U	1.9 U	2.3 U	2 U	1.9 U	2.4 U	2 U
delta-BHC	ug/Kg	2.2 U	1.9 U	2.3 U	2 U	1.9 U	2.3 U	2 U	1.9 U	2.4 U	2 U
gamma-BHC (Lindane)	ug/Kg	2.2 U	1.9 U	2.3 U	2 U	1.9 U	2.3 U	2 U	1.9 U	2.4 U	2 U
Heptachlor	ug/Kg	2.2 U	1.9 U	2.3 U	2 U	1.9 U	2.3 U	2 U	1.9 U	2.4 U	2 U
Aldrin	ug/Kg	2.2 U	1.9 U	2.3 U	2 U	1.9 U	2.3 U	2 U	1.9 U	2.4 U	2 U
Heptachlor epoxide	ug/Kg	2.2 U	1.9 U	2.3 U	2 U	1.9 U	2.3 U	2 U	1.9 U	2.4 U	2 U
Endosulfan I	ug/Kg	2.2 U	1.9 U	2.3 U	2 U	1.9 U	2.3 U	2 U	1.9 U	2.4 U	2 U
Dieldrin	ug/Kg	4.2 U	3.7 U	4.5 U	3.8 U	3.7 U	4.4 U	3.8 U	3.7 U	4.6 U	3.9 U
4,4'-DDE	ug/Kg	4.2 U	3.7 U	4.5 U	3.8 U	3.7 U	4.4 U	3.8 U	3.7 U	4.6 U	3.9 U
Endrin	ug/Kg	4.2 U	3.7 U	4.5 U	3.8 U	3.7 U	4.4 U	3.8 U	3.7 U	4.6 U	3.9 U
Endosulfan II	ug/Kg	4.2 U	3.7 U	4.5 U	3.8 U	3.7 U	4.4 U	3.8 U	3.7 U	4.6 U	3.9 U
4,4'-DDD	ug/Kg	4.2 U	3.7 U	4.5 U	3.8 U	3.7 U	4.4 U	3.8 U	3.7 U	4.6 U	3.9 U
Endosulfan sulfate	ug/Kg	4.2 U	3.7 U	4.5 U	3.8 U	3.7 U	4.4 U	3.8 U	3.7 U	4.6 U	3.9 U
4,4'-DDT	ug/Kg	4.2 U	3.7 U	4.5 U	3.8 U	3.7 U	4.4 U	3.8 U	3.7 U	4.6 U	3.9 U
Methoxychlor	ug/Kg	22 U	19 U	23 U	20 U	19 U	23 U	20 U	19 U	24 U	20 U
Endrin ketone	ug/Kg	4.2 U	3.7 U	4.5 U	3.8 U	3.7 U	4.4 U	3.8 U	3.7 U	4.6 U	3.9 U
Endrin aldehyde	ug/Kg	4.2 U	3.7 U	4.5 U	3.8 U	3.7 U	4.4 U	3.8 U	3.7 U	4.6 U	3.9 U
alpha-Chlordane	ug/Kg	2.2 U	1.9 U	2.3 U	2 U	1.9 U	2.3 U	2 U	1.9 U	2.4 U	2 U
gamma-Chlordane	ug/Kg	2.2 U	1.9 U	2.3 U	2 U	1.9 U	2.3 U	2 U	1.9 U	2.4 U	2 U
Toxaphene	ug/Kg	220 U	190 U	230 U	200 U	190 U	230 U	200 U	190 U	240 U	200 U
Aroclor-1016	ug/Kg	42 U	37 U	45 U	38 U	37 U	44 U	38 U	37 U	46 U	39 U
Aroclor-1221	ug/Kg	86 U	74 U	91 U	78 U	76 U	89 U	78 U	76 U	94 U	80 U
Aroclor-1232	ug/Kg	42 U	37 U	45 U	38 U	37 U	44 U	38 U	37 U	46 U	39 U
Aroclor-1242	ug/Kg	42 U	37 U	45 U	38 U	37 U	44 U	38 U	37 U	46 U	39 U
Aroclor-1248	ug/Kg	42 U	37 U	45 U	38 U	37 U	44 U	38 U	37 U	46 U	39 U
Aroclor-1254	ug/Kg	42 U	37 U	45 U	38 U	37 U	44 U	38 U	37 U	46 U	39 U
Aroclor-1260	ug/Kg	42 U	37 U	45 U	38 U	37 U	44 U	38 U	37 U	46 U	39 U
METALS											
Aluminum	mg/Kg	20100	9770	18400	16900	20800	14500	18900	12200	17700	17500
Antimony	mg/Kg	0.3 UJ	0.21 UJ	0.49 J	0.24 UJ	0.28 UJ	0.22 J	0.23 UJ	0.22 UJ	0.25 UJ	0.25 UJ
Arsenic	mg/Kg	6.9	4.3	5.8 J	8 J	6 J	5.6 J	5.5 J	3.4 J	5.7	5.7
Barium	mg/Kg	114	62.7	116	123	110	113	152	59.1	127	124
Beryllium	mg/Kg	0.81 J	0.48 J	0.88 J	0.8 J	0.87 J	0.72 J	0.88 J	0.56 J	0.82 J	0.85 J
Cadmium	mg/Kg	0.4 J	0.41 J	0.75 J	0.43 J	0.4 J	0.48 J	0.45 J	0.35 J	0.49 J	0.42 J
Calcium	mg/Kg	11800 J	130000 J	4770	3260	2760	3700	3630	30500	5980 J	3690 J
Chromium	mg/Kg	27.7	14.3	22.4	23.3	29.6	20	24	19.5	23.9	24.1
Cobalt	mg/Kg	13.6	9.7	10.5 J	11.4	12.9	10.1	10.7	11.1	11.5	12.2
Copper	mg/Kg	25.2	17.5	22.7	21.6	23.7	27.2	24.9	17	32.7	28.5
Iron	mg/Kg	34800	20500	25600	29000	34600	24300	28200	25300	30100	34400
Lead	mg/Kg	15.6 J	7.4 J	29.9	13.5	13.4	18.4	13.1	6.1	18.9 J	15.8 J
Magnesium	mg/Kg	5330	9290	3970	4540	6030	3980	4650	7390	4350	4980
Manganese	mg/Kg	859	751	698	851	638	627	851	645	776	830
Mercury	mg/Kg	0.06 J	0.02 J	0.14 R	0.07 J R	0.04 J R	0.06 J R	0.06 J R	0.01 U	0.07 J	0.05
Nickel	mg/Kg	35.6	24.8	25.7	28.2	39.5	24.7	26.1	30.8	28	30.5
Potassium	mg/Kg	2020 J	1520 J	3240 J	2470 J	3090 J	2170 J	2340 J	1220 J	2550 J	1670 J
Selenium	mg/Kg	1.1 J	0.51 J	1.6	1.1	1.2	0.94	1.2	0.46 U	1.2	1.7
Silver	mg/Kg	0.12 U	0.08 U	0.12 U	0.09 U	0.11 U	0.08 U	0.09 U	0.09 U	0.09 U	0.1 U
Sodium	mg/Kg	28.6 J	90.4 J	71.2 J	90 J	99.7 J	75 J	94.9 J	170 J	27.5 J	22.6 J
Thallium	mg/Kg	0.44 U	0.31 U	0.65 J	0.5 J	0.53 J	0.74 J	0.34 U	0.47 J	0.37 U	0.37 U
Vanadium	mg/Kg	30.8	14.4	26.6	26.4	32	24.9	31.9	16.6	28.3	27.2
Zinc	mg/Kg	88.3	63.9	111 J	83.3 J	101 J	70.3 J	77 J	60.7 J	90.8	86
Cyanide	mg/Kg	0.59 U	0.55 U	0.61 UJ	0.51 UJ	0.51 UJ	0.65 UJ	0.55 UJ	0.55 UJ	0.67 U	0.45 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	78.5	89.9	73.6	85.9	88.2	75.2	85.8	88	71.2	83.8

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SOG NUMBER	SOIL SEAD-64 2-4 06/24/94 SB64D-7-02 225527 45048	SOIL SEAD-64 0-0.2 06/24/94 SB64D-8-00 225528 45048	SOIL SEAD-64 0-0.2 06/24/94 SB64D-8-00RE 225528 45048	SOIL SEAD-64 0.2-2.0 06/24/94 SB64D-8-01 225529 45048	SOIL SEAD-64 2-4 06/24/94 SB64D-8-02 225530 45048	SOIL SEAD-64 0-0.2 06/25/94 SB64D-9.00 225576 45058	SOIL SEAD-64 0.2-2 06/25/94 SB64D-9.01 225577 45058	SOIL SEAD-64 2-4 06/25/94 SB64D-9.02 225578 45058	SOIL SEAD-64 0-0.2 06/25/94 SB64D-10.00 225579 45058	SOIL SEAD-64 0.2-2 06/25/94 SB64D-10.01 225580 45058
VOLATILE ORGANICS										
Chloromethane	ug/Kg 11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Bromomethane	ug/Kg 11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Vinyl Chloride	ug/Kg 11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Chloroethane	ug/Kg 11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Methylene Chloride	ug/Kg 11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	1 J	14 U	12 U
Acetone	ug/Kg 11 U	13 UJ	13 UJ	22 U	11 U	13 U	12 U	11 U	14 U	12 U
Carbon Disulfide	ug/Kg 11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
1,1-Dichloroethane	ug/Kg 11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
1,1-Dichloroethane	ug/Kg 11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
1,2-Dichloroethane (total)	ug/Kg 11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Chloroform	ug/Kg 11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
1,2-Dichloroethane	ug/Kg 11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
2-Butanone	ug/Kg 11 U	13 UJ	13 UJ	8 J	11 U	13 U	12 U	11 U	14 U	12 U
1,1,1-Trichloroethane	ug/Kg 11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Carbon Tetrachloride	ug/Kg 11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Bromodichloromethane	ug/Kg 11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
1,2-Dichloropropane	ug/Kg 11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
cis-1,3-Dichloropropene	ug/Kg 11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Trichloroethene	ug/Kg 11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Dibromochloromethane	ug/Kg 11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
1,1,2-Trichloroethane	ug/Kg 11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Benzene	ug/Kg 11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
trans-1,3-Dichloropropene	ug/Kg 11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Bromoform	ug/Kg 11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
4-Methyl-2-Pentanone	ug/Kg 11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
2-Hexanone	ug/Kg 11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Tetrachloroethene	ug/Kg 11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
1,1,2,2-Tetrachloroethane	ug/Kg 11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Toluene	ug/Kg 11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Chlorobenzene	ug/Kg 11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Ethylbenzene	ug/Kg 11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Styrene	ug/Kg 11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Xylene (total)	ug/Kg 11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
HERBICIDES										
2,4-D	ug/Kg									
2,4-DB	ug/Kg									
2,4,5-T	ug/Kg									
2,4,5-TP (Silvex)	ug/Kg									
Dalapon	ug/Kg									
Dicamba	ug/Kg									
Dichloroprop	ug/Kg									
Dinoseb	ug/Kg									
MCPA	ug/Kg									
MCPP	ug/Kg									
NITROAROMATICS										
HMX	ug/Kg									
RDX	ug/Kg									
1,3,5-Trinitrobenzene	ug/Kg									
1,3-Dinitrobenzene	ug/Kg									
Tetryl	ug/Kg									
2,4,6-Trinitrotoluene	ug/Kg									
4-amino-2,6-Dinitrotoluene	ug/Kg									
2-amino-4,6-Dinitrotoluene	ug/Kg									
2,6-Dinitrotoluene	ug/Kg									
2,4-Dinitrotoluene	ug/Kg									

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
DEPTH (FEET)	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
SAMPLE DATE	2-4	0-0.2	0-0.2	0-0.2	0.2-2.0	2-4	0-0.2	0.2-2	2-4	0-0.2
ES ID	06/24/94	06/24/94	06/24/94	06/24/94	06/24/94	06/24/94	06/25/94	06/25/94	06/25/94	06/25/94
LAB ID	SB64D-7-02	SB64D-8-00	SB64D-8-00RE	SB64D-8-01	SB64D-8-02	SB64D-9.00	SB64D-9.01	SB64D-9.02	SB64D-10.00	SB64D-10.01
SDG NUMBER	225527	225528	225528	225529	225530	225576	225577	225578	225579	225580
COMPOUND	45048	45048	45048	45048	45048	45058	45058	45058	45058	45058
SEMIVOLATILE ORGANICS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
Phend	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
bis(2-Chloroethyl) ether	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
2-Chlorophend	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
1,3-Dichlorobenzene	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
1,4-Dichlorobenzene	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
1,2-Dichlorobenzene	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
2-Methylphenol	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
4-Methylphenol	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
N-Nitroso-di-n-propylamine	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
Hexachloroethane	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
Nitrobenzene	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
Isophorone	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
2-Nitrophenol	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
2,4-Dimethylphenol	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
bis(2-Chloroethoxy) methane	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
2,4-Dichlorophenol	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
1,2,4-Trichlorobenzene	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
Naphthalene	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
4-Chloroaniline	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
Hexachlorobutadiene	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
4-Chloro-3-methylphenol	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
2-Methylnaphthalene	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
Hexachlorocyclopentadiene	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
2,4,6-Trichlorophenol	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
2,4,5-Trichlorophenol	ug/Kg	870 U	1100 U	930 U	890 U	1100 U	980 U	880 U	1100 U	980 U
2-Chloronaphthalene	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
2-Nitroaniline	ug/Kg	870 U	1100 U	930 U	890 U	1100 U	980 U	880 U	1100 U	980 U
Dimethylphthalate	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
Acenaphthylene	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
2,6-Dinitrotoluene	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
3-Nitroaniline	ug/Kg	870 U	1100 U	930 U	890 U	1100 U	980 U	880 U	1100 U	980 U
Acenaphthene	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
2,4-Dinitrophenol	ug/Kg	870 U	1100 U	930 U	890 U	1100 U	980 U	880 U	1100 U	980 U
4-Nitrophenol	ug/Kg	870 U	1100 U	930 U	890 U	1100 U	980 U	880 U	1100 U	980 U
Dibenzofuran	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
2,4-Dinitrotoluene	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
Diethylphthalate	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
4-Chlorophenyl-phenylether	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
Fluorene	ug/Kg	380 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
4-Nitroaniline	ug/Kg	870 U	1100 U	930 U	890 U	1100 U	980 U	880 U	1100 U	980 U
4,6-Dinitro-2-methylphenol	ug/Kg	870 U	1100 U	930 U	890 U	1100 U	980 U	880 U	1100 U	980 U
N-Nitrosodiphenylamine	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
4-Bromophenyl-phenylether	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
Hexachlorobenzene	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
Pentachlorophenol	ug/Kg	870 U	1100 U	930 U	890 U	1100 U	980 U	880 U	1100 U	980 U
Phenanthrene	ug/Kg	360 U	24 J	380 U	370 U	450 U	400 U	360 U	460 U	400 U
Anthracene	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
Carbazole	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
Di-n-butylphthalate	ug/Kg	360 U	56 J	44 J	370 U	53 J	34 J	360 U	70 J	45 J
Fluoranthene	ug/Kg	360 U	48 J	380 U	370 U	33 J	400 U	360 U	38 J	400 U
Pyrene	ug/Kg	360 U	54 J	380 U	370 U	24 J	400 U	360 U	33 J	400 U
Butylberzylphthalate	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
3,3'-Dichlorobenzidine	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
Benzo(a)anthracene	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
Chrysene	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
bis(2-Ethylhexyl)phthalate	ug/Kg	46 J	48 J	380 U	32 J	450 U	400 U	360 U	460 U	400 U
Di-n-octylphthalate	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
Benzo(b)fluoranthene	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
Benzo(k)fluoranthene	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
Benzo(a)pyrene	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
Indeno(1,2,3-cd)pyrene	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
Dibenz(b,h)anthracene	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U
Benzo(g,h,i)perylene	ug/Kg	360 U	450 U	380 U	370 U	450 U	400 U	360 U	460 U	400 U

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64	SOIL SEAD-64
DEPTH (FEET)	2-4	0-0.2	0-0.2	0.2-2.0	2-4	0-0.2	0.2-2	2-4	0-0.2	0.2-2
SAMPLE DATE	06/24/94	06/24/94	06/24/94	06/24/94	06/24/94	06/25/94	06/25/94	06/25/94	06/25/94	06/25/94
ES ID	SB64D-7-02	SB64D-8-00	SB64D-8-00RE	SB64D-8-01	SB64D-8-02	SB64D-9.00	SB64D-9.01	SB64D-9.02	SB64D-10.00	SB64D-10.01
LAB ID	225527	225528	225529	225530	225578	225577	225578	225579	225580	225581
SDG NUMBER	45048	45048	45048	45048	45048	45058	45058	45058	45058	45058
COMPOUND	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
PESTICIDES/PCB										
alpha-BHC	ug/Kg	1.8 U	2.3 U	2 U	1.9 U	2.3 UJ	2.1 U	1.9 U	2.4 U	2.1 U
beta-BHC	ug/Kg	1.8 U	2.3 U	2 U	1.9 U	2.3 UJ	2.1 U	1.9 U	2.4 U	2.1 U
delta-BHC	ug/Kg	1.8 U	2.3 U	2 U	1.9 U	2.3 UJ	2.1 U	1.9 U	2.4 U	2.1 U
gamma-BHC (Lindane)	ug/Kg	1.8 U	2.3 U	2 U	1.9 U	2.3 UJ	2.1 U	1.9 U	2.4 U	2.1 U
Heptachlor	ug/Kg	1.8 U	2.3 U	2 U	1.9 U	2.3 UJ	2.1 U	1.9 U	2.4 U	2.1 U
Aldrin	ug/Kg	1.8 U	2.3 U	2 U	1.9 U	2.3 UJ	2.1 U	1.9 U	2.4 U	2.1 U
Heptachlor epoxide	ug/Kg	1.8 U	2.3 U	2 U	1.9 U	2.3 UJ	2.1 U	1.9 U	2.4 U	2.1 U
Endosulfan I	ug/Kg	1.8 U	2.3 U	2 U	1.9 U	2.3 UJ	2.1 U	1.9 U	2.4 U	2.1 U
Dieldrin	ug/Kg	3.6 U	4.5 U	3.8 U	3.7 U	4.5 UJ	4 U	3.6 U	4.6 U	4 U
4,4'-DDE	ug/Kg	3.6 U	4.5 U	3.8 U	3.7 U	4.5 UJ	4 U	3.6 U	4.6 U	4 U
Endrin	ug/Kg	3.6 U	4.5 U	3.8 U	3.7 U	4.5 UJ	4 U	3.6 U	4.6 U	4 U
Endosulfan II	ug/Kg	3.6 U	4.5 U	3.8 U	3.7 U	4.5 UJ	4 U	3.6 U	4.6 U	4 U
4,4'-DDD	ug/Kg	3.6 U	4.5 U	3.8 U	3.7 U	4.5 UJ	4 U	3.6 U	4.6 U	4 U
Endosulfan sulfate	ug/Kg	3.6 U	4.5 U	3.8 U	3.7 U	4.5 UJ	4 U	3.6 U	4.6 U	4 U
4,4'-DDT	ug/Kg	3.8 U	4.5 U	3.8 U	3.7 U	4.5 UJ	4 U	3.6 U	4.6 U	4 U
Methoxychlor	ug/Kg	18 U	23 U	20 U	19 U	23 UJ	21 U	19 U	24 U	21 U
Endrin ketone	ug/Kg	3.6 U	4.5 U	3.8 U	3.7 U	4.5 UJ	4 U	3.6 U	4.6 U	4 U
Endrin aldehyde	ug/Kg	3.6 U	4.5 U	3.8 U	3.7 U	4.5 UJ	4 U	3.6 U	4.6 U	4 U
alpha-Chlordane	ug/Kg	1.8 U	2.3 U	2 U	1.9 U	2.3 UJ	2.1 U	1.9 U	2.4 U	2.1 U
gamma-Chlordane	ug/Kg	1.8 U	2.3 U	2 U	1.9 U	2.3 UJ	2.1 U	1.9 U	2.4 U	2.1 U
Toxaphene	ug/Kg	180 U	230 U	200 U	190 U	230 UJ	210 U	190 U	240 U	210 U
Aroclor-1016	ug/Kg	36 U	45 U	38 U	37 U	45 UJ	40 U	36 U	46 U	40 U
Aroclor-1221	ug/Kg	73 U	91 U	78 U	74 U	91 UJ	82 U	74 U	94 U	82 U
Aroclor-1232	ug/Kg	36 U	45 U	38 U	37 U	45 UJ	40 U	36 U	46 U	40 U
Aroclor-1242	ug/Kg	36 U	45 U	38 U	37 U	45 UJ	40 U	36 U	46 U	40 U
Aroclor-1248	ug/Kg	38 U	45 U	38 U	37 U	45 UJ	40 U	36 U	46 U	40 U
Aroclor-1254	ug/Kg	38 U	45 U	38 U	37 U	45 UJ	40 U	36 U	46 U	40 U
Aroclor-1260	ug/Kg	38 U	45 U	38 U	37 U	45 UJ	40 U	36 U	46 U	40 U
METALS										
Aluminum	mg/Kg	13000	16100	15500	12400	13800	15800	12600	12100	19900
Antimony	mg/Kg	0.24 UJ	0.28 UJ	0.22 UJ	0.27 UJ	0.31 UJ	0.25 J	0.33 J	0.28 UJ	0.26 UJ
Arsenic	mg/Kg	3.7	5.8	4.5	5.3	6 J	6.7 J	5.2 J	4.6 J	7.8 J
Barium	mg/Kg	59.3	116	85	65.6	110	107	62.5	100	147
Beryllium	mg/Kg	0.6 J	0.81 J	0.68 J	0.56 J	0.82 J	0.64 J	0.61 J	0.66 J	0.99 J
Cadmium	mg/Kg	0.46 J	0.61 J	0.49 J	0.44 J	0.53 J	0.51 J	0.38 J	0.43 J	0.56 J
Calcium	mg/Kg	80900 J	10900 J	29700 J	64000 J	3090	16300	47700	4750	5810
Chromium	mg/Kg	19	23.3	19.3	19.3	20.2	23.7	19.9	16.7	27.5
Cobalt	mg/Kg	11.7	13.9	10.8	12.7	11.2 J	12.8	9.8 J	8.5 J	11.9
Copper	mg/Kg	17.2	28	21.2	22.4	30.4	28.3	23.5	25	26.8
Iron	mg/Kg	26600	32500	28200	28600	25500	32500	26000	21000	36200
Lead	mg/Kg	13.8 J	32.5 J	9.9 J	9 J	19.1	12.6	9.7	17.5	13.6
Magnesium	mg/Kg	5810	5740	6010	8170	3620	4850	5700	3140	5180
Manganese	mg/Kg	642	1040	659	748	973	971	539	664	776
Mercury	mg/Kg	0.04 J	0.06 J	0.04 J	0.02 J	0.06 J R	0.47 R	0.09 J R	0.11 J R	0.06 J R
Nickel	mg/Kg	29.5	34.4	29.4	34.7	25.1	34	31.5	18.1	35.3
Potassium	mg/Kg	1790 J	2030 J	1840 J	1390 J	1970 J	1530 J	1540 J	1670 J	2300 J
Selenium	mg/Kg	0.62 J	1.9	1.3	0.55 U	1 J	1.2	0.54 U	1.3	1.3
Silver	mg/Kg	0.09 U	0.11 U	0.08 U	0.1 U	0.12 U	0.09 U	0.1 U	0.11 U	0.1 U
Sodium	mg/Kg	90.6 J	21.3 U	37.3 J	103 J	94.7 J	101 J	148 J	97.3 J	108 J
Thallium	mg/Kg	0.57 J	0.57 J	0.32 U	0.39 U	0.66 J	0.76 J	0.38 U	0.49 J	0.62 J
Vanadium	mg/Kg	16.7	23.9	23.7	16.7	23.9	23.9	19.1	21.4	35.3
Zinc	mg/Kg	69.8	106	85.2	85.9	72.9 J	81.8 J	75.7 J	61.8 J	89.4 J
Cyanide	mg/Kg	0.51 U	0.67 U	0.57 U	0.51 U	0.67 UJ	0.57 UJ	0.51 UJ	0.67 UJ	0.56 UJ
OTHER ANALYSES										
Nitrate/Nitrite-Nitrogen	mg/Kg									
Total Petroleum Hydrocarbons	mg/Kg									
Total Solids	%W/W	92.3	73.6	86	89.5	73.9	82.4	91	71.1	82.2

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SOIL SEAD-64 4-5.1 06/25/94 SB64D-10.03 225581 45058
VOLATILE ORGANICS		
Chloromethane	ug/Kg	12 U
Bromomethane	ug/Kg	12 U
Vinyl Chloride	ug/Kg	12 U
Chloroethane	ug/Kg	12 U
Methylene Chloride	ug/Kg	12 U
Acetone	ug/Kg	12 U
Carbon Disulfide	ug/Kg	12 U
1,1-Dichloroethane	ug/Kg	12 U
1,1-Dichloroethane	ug/Kg	12 U
1,2-Dichloroethane (total)	ug/Kg	12 U
Chloroform	ug/Kg	12 U
1,2-Dichloroethane	ug/Kg	12 U
2-Butanone	ug/Kg	12 U
1,1,1-Trichloroethane	ug/Kg	12 U
Carbon Tetrachloride	ug/Kg	12 U
Bromodichloromethane	ug/Kg	12 U
1,2-Dichloropropane	ug/Kg	12 U
cis-1,3-Dichloropropene	ug/Kg	12 U
Trichloroethane	ug/Kg	12 U
Dibromochloromethane	ug/Kg	12 U
1,1,2-Trichloroethane	ug/Kg	12 U
Benzene	ug/Kg	12 U
trans-1,3-Dichloropropene	ug/Kg	12 U
Bromoform	ug/Kg	12 U
4-Methyl-2-Pentanone	ug/Kg	12 U
2-Hexanone	ug/Kg	12 U
Tetrachloroethane	ug/Kg	12 U
1,1,2,2-Tetrachloroethane	ug/Kg	12 U
Toluene	ug/Kg	12 U
Chlorobenzene	ug/Kg	12 U
Ethylbenzene	ug/Kg	12 U
Styrene	ug/Kg	12 U
Xylene (total)	ug/Kg	12 U
HERBICIDES		
2,4-D	ug/Kg	
2,4-DB	ug/Kg	
2,4,5-T	ug/Kg	
2,4,5-TP (Silvex)	ug/Kg	
Dalapon	ug/Kg	
Dicamba	ug/Kg	
Dichloroprop	ug/Kg	
Dinoseb	ug/Kg	
MCPA	ug/Kg	
MCPP	ug/Kg	
NITROAROMATICS		
HMX	ug/Kg	
RDX	ug/Kg	
1,3,5-Trinitrobenzene	ug/Kg	
1,3-Dinitrobenzene	ug/Kg	
Tetryl	ug/Kg	
2,4,6-Trinitrotoluene	ug/Kg	
4-amino-2,6-Dinitrotoluene	ug/Kg	
2-amino-4,6-Dinitrotoluene	ug/Kg	
2,6-Dinitrotoluene	ug/Kg	
2,4-Dinitrotoluene	ug/Kg	

SENEGA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SOIL SEAD-64 4-5.1 06/25/94 SB64D-10.03 225581 45058 UNITS
SEMIVOLATILE ORGANICS		
Phend	ug/Kg	370 U
bis(2-Chloroethyl) ether	ug/Kg	370 U
2-Chlorophend	ug/Kg	370 U
1,3-Dichlorobenzene	ug/Kg	370 U
1,4-Dichlorobenzene	ug/Kg	370 U
1,2-Dichlorobenzene	ug/Kg	370 U
2-Methylphend	ug/Kg	370 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	370 U
4-Methylphend	ug/Kg	370 U
N-Nitroso-di-n-propylamine	ug/Kg	370 U
Hexachloroethane	ug/Kg	370 U
Nitrobenzene	ug/Kg	370 U
Isophorone	ug/Kg	370 U
2-Nitrophend	ug/Kg	370 U
2,4-Dimethylphend	ug/Kg	370 U
bis(2-Chloroethoxy) methane	ug/Kg	370 U
2,4-Dichlorophenol	ug/Kg	370 U
1,2,4-Trichlorobenzene	ug/Kg	370 U
Naphthalene	ug/Kg	370 U
4-Chloroaniline	ug/Kg	370 U
Hexachlorobutadiene	ug/Kg	370 U
4-Chloro-3-methylphenol	ug/Kg	370 U
2-Methylnaphthalene	ug/Kg	370 U
Hexachlorocyclopentadiene	ug/Kg	370 U
2,4,6-Trichlorophenol	ug/Kg	370 U
2,4,5-Trichlorophenol	ug/Kg	910 U
2-Chloronaphthalene	ug/Kg	370 U
2-Nitroaniline	ug/Kg	910 U
Dimethylphthalate	ug/Kg	370 U
Aceraphthylene	ug/Kg	370 U
2,6-Dinitrotoluene	ug/Kg	370 U
3-Nitroaniline	ug/Kg	910 U
Aceraphthene	ug/Kg	370 U
2,4-Dinitrophend	ug/Kg	910 U
4-Nitrophend	ug/Kg	910 U
Dibenzofuran	ug/Kg	370 U
2,4-Dinitrotoluene	ug/Kg	370 U
Disthylphthalate	ug/Kg	370 U
4-Chlorophenyl-phenylether	ug/Kg	370 U
Fluorene	ug/Kg	370 U
4-Nitroaniline	ug/Kg	910 U
4,6-Dinitro-2-methylphenol	ug/Kg	910 U
N-Nitrosodiphenylamine	ug/Kg	370 U
4-Bromophenyl-phenylether	ug/Kg	370 U
Hexachlorobenzene	ug/Kg	370 U
Pentachlorophend	ug/Kg	910 U
Phenanthrene	ug/Kg	370 U
Anthracene	ug/Kg	370 U
Carbazole	ug/Kg	370 U
Di-n-butylphthalate	ug/Kg	24 J
Fluoranthene	ug/Kg	370 U
Pyrene	ug/Kg	370 U
Butylbenzylphthalate	ug/Kg	370 U
3,3'-Dichlorobenzidine	ug/Kg	370 U
Benzo(a)anthracene	ug/Kg	370 U
Chrysene	ug/Kg	370 U
bis(2-Ethylhexyl)phthalate	ug/Kg	370 U
Di-n-octylphthalate	ug/Kg	370 U
Benzo(b)fluoranthene	ug/Kg	370 U
Benzo(k)fluoranthene	ug/Kg	370 U
Benzo(a)pyrene	ug/Kg	370 U
Indeno(1,2,3-cd)pyrene	ug/Kg	370 U
Dibenz(g,h)anthracene	ug/Kg	370 U
Benzo(g,h,i)perylene	ug/Kg	370 U

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SOIL SEAD-64 4-5.1 06/25/94 SB64D-10.03 225581 45058
PESTICIDES/PCB		
alpha-BHC	ug/Kg	1.9 UJ
beta-BHC	ug/Kg	1.9 UJ
delta-BHC	ug/Kg	1.9 UJ
gamma-BHC (Lindane)	ug/Kg	1.9 UJ
Heptachlor	ug/Kg	1.9 UJ
Aldrin	ug/Kg	1.9 UJ
Heptachlor epoxide	ug/Kg	1.9 UJ
Endosulfan I	ug/Kg	1.9 UJ
Dieldrin	ug/Kg	3.7 UJ
4,4'-DDE	ug/Kg	3.7 UJ
Endrin	ug/Kg	3.7 UJ
Endosulfan II	ug/Kg	3.7 UJ
4,4'-DDD	ug/Kg	3.7 UJ
Endosulfan sulfate	ug/Kg	3.7 UJ
4,4'-DDT	ug/Kg	3.7 UJ
Methoxychlor	ug/Kg	19 UJ
Endrin ketone	ug/Kg	3.7 UJ
Endrin aldehyde	ug/Kg	3.7 UJ
alpha-Chlordane	ug/Kg	1.9 UJ
gamma-Chlordane	ug/Kg	1.9 UJ
Toxaphene	ug/Kg	190 UJ
Aroclor-1016	ug/Kg	37 UJ
Aroclor-1221	ug/Kg	76 UJ
Aroclor-1232	ug/Kg	37 UJ
Aroclor-1242	ug/Kg	37 UJ
Aroclor-1248	ug/Kg	37 UJ
Aroclor-1254	ug/Kg	37 UJ
Aroclor-1260	ug/Kg	37 UJ
METALS		
Aluminum	mg/Kg	9180
Antimony	mg/Kg	0.35 J
Arsenic	mg/Kg	4.4 J
Barium	mg/Kg	97.7
Beryllium	mg/Kg	0.47 J
Cadmium	mg/Kg	0.4 J
Calcium	mg/Kg	162000
Chromium	mg/Kg	14.5
Cobalt	mg/Kg	6.7 J
Copper	mg/Kg	15.7
Iron	mg/Kg	17000
Lead	mg/Kg	8
Magnesium	mg/Kg	16300
Manganese	mg/Kg	352
Mercury	mg/Kg	0.03 J
Nickel	mg/Kg	19
Potassium	mg/Kg	2040 J
Selenium	mg/Kg	0.5 U
Silver	mg/Kg	0.09 U
Sodium	mg/Kg	266 J
Thallium	mg/Kg	0.35 U
Vanadium	mg/Kg	17.3
Zinc	mg/Kg	40.6 J
Cyanide	mg/Kg	0.55 UJ
OTHER ANALYSES		
Nitrate/Nitrite-Nitrogen	mg/Kg	
Total Petroleum Hydrocarbons	mg/Kg	
Total Solids	%W/W	87.7

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

MATRIX LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
SAMPLE DATE	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
ES ID	07/19/94	07/21 & 22/94	07/07/94	07/10/94	07/10/94	07/10/94	07/10/94	07/11/94	07/21/94	07/21/94	07/21/94
LAB ID	MW64A-1	MW64A-2	MW64A-3	MW64B-1	MW64B-2	MW64B-3	MW64C-1	MW64C-1	MW64C-6	MW64C-7	MW64C-8
SDG NUMBER	227451	227730, 227	226306	226485	226486	226487	226668	226668	227733	227734	227735
UNITS	45448	45448	45257	45282	45282	45282	45282	45282	45448	45448	45448
VOLATILE ORGANICS											
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
HERBICIDES											
2,4-D	ug/L										
2,4-DB	ug/L										
2,4,5-T	ug/L										
2,4,5-TP (Silvex)	ug/L										
Dalapon	ug/L										
Dicamba	ug/L										
Dichloroprop	ug/L										
Dinoseb	ug/L										
MCPA	ug/L										
MCPP	ug/L										
NITROAROMATICS											
HMX	ug/L										
RDX	ug/L										
1,3,5-Trinitrobenzene	ug/L										
1,3-Dinitrobenzene	ug/L										
Tetryl	ug/L										
2,4,6-Trinitrotoluene	ug/L										
4-amino-2,6-Dinitrotoluene	ug/L										
2-amino-4,6-Dinitrotoluene	ug/L										
2,6-Dinitrotoluene	ug/L										
2,4-Dinitrotoluene	ug/L										

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-64 07/19/94 MW64A-1 227451 45448	WATER SEAD-64 07/21 & 22/94 MW64A-2 227730, 227 45448	WATER SEAD-64 07/07/94 MW64A-3 226306 45257	WATER SEAD-64 07/10/94 MW64B-1 226485 45282	WATER SEAD-64 07/10/94 MW64B-2 226486 45282	WATER SEAD-64 07/10/94 MW64B-3 226487 45282	WATER SEAD-64 07/11/94 MW64C-1 226668 45282	WATER SEAD-64 07/21/94 MW64C-6 227733 45448	WATER SEAD-64 07/21/94 MW64C-7 227734 45448	WATER SEAD-64 07/21/94 MW64C-8 227735 45448	
SEMIVOLATILE ORGANICS											
Phenol	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	2 J	11 U	10 U
bis(2-Chloroethyl) ether	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
2-Chlorophenol	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
1,3-Dichlorobenzene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
1,4-Dichlorobenzene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
1,2-Dichlorobenzene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
2-Methylphenol	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
4-Methylphenol	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
N-Nitroso-di-n-propylamine	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Hexachloroethane	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Nitrobenzene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Isophorone	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
2-Nitrophenol	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
2,4-Dimethylphenol	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
bis(2-Chloroethoxy) methane	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
2,4-Dichlorophenol	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
1,2,4-Trichlorobenzene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Naphthalene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
4-Chloroaniline	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Hexachlorobutadiene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
4-Chloro-3-methylphenol	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
2-Methylnaphthalene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Hexachlorocyclopentadiene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
2,4,6-Trichlorophenol	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
2,4,5-Trichlorophenol	ug/L	27 UJ	26 U	25 U	29 U	29 U	25 U	26 U	26 U	28 U	26 U
2-Chloronaphthalene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
2-Nitroaniline	ug/L	27 UJ	26 U	25 U	29 U	29 U	25 U	26 U	26 U	28 U	26 U
Dimethylphthalate	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Acenaphthylene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
2,6-Dinitrotoluene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
3-Nitroaniline	ug/L	27 UJ	26 U	25 U	29 U	29 U	25 U	26 U	26 U	28 U	26 U
Acenaphthene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
2,4-Dinitrophenol	ug/L	27 UJ	26 U	25 U	29 U	29 U	25 U	26 U	26 U	28 U	26 U
4-Nitrophenol	ug/L	27 UJ	26 U	25 U	29 U	29 U	25 U	26 U	26 U	28 U	26 U
Dibenzofuran	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
2,4-Dinitrotoluene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Diethylphthalate	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
4-Chlorophenyl-phenylether	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Fluorene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
4-Nitroaniline	ug/L	27 UJ	26 U	25 U	29 U	29 U	25 U	26 U	26 U	28 U	26 U
4,6-Dinitro-2-methylphenol	ug/L	27 UJ	26 U	25 U	29 U	29 U	25 U	26 U	26 U	28 U	26 U
N-Nitrosodiphenylamine	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
4-Bromophenyl-phenylether	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Hexachlorobenzene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Pentachlorophenol	ug/L	27 UJ	26 U	25 U	29 U	29 U	25 U	26 U	26 U	28 U	26 U
Phenanthrene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Anthracene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Carbazole	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Di-n-butylphthalate	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Fluoranthene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Pyrene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Butylbenzylphthalate	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
3,3'-Dichlorobenzidine	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Benzo(a)anthracene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Chrysene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	11 UJ	10 U	13 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Di-n-octylphthalate	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Benzo(b)fluoranthene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Benzo(k)fluoranthene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Benzo(a)pyrene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Dibenz(a,h)anthracene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Benzo(g,h,i)perylene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-64 07/19/94 MW64A-1 227451 45448	WATER SEAD-64 07/21 & 22/94 MW64A-2 227730, 227 45448	WATER SEAD-64 07/07/94 MW64A-3 226306 45257	WATER SEAD-64 07/10/94 MW64B-1 226485 45282	WATER SEAD-64 07/10/94 MW64B-2 226488 45282	WATER SEAD-64 07/10/94 MW64B-3 226487 45282	WATER SEAD-64 07/11/94 MW64C-1 226668 45282	WATER SEAD-64 07/21/94 MW64C-6 227733 45448	WATER SEAD-64 07/21/94 MW64C-7 227734 45448	WATER SEAD-64 07/21/94 MW64C-8 227735 45448
COMPOUND										
PESTICIDES/PCB										
alpha-BHC	ug/L	0.051 U	0.052 U	0.051 U	0.05 U	0.056 U	0.051 U	0.051 U	0.054 U	0.054 U
beta-BHC	ug/L	0.051 U	0.052 U	0.051 U	0.05 U	0.056 U	0.051 U	0.051 U	0.054 U	0.054 U
delta-BHC	ug/L	0.051 U	0.052 U	0.051 U	0.05 U	0.056 U	0.051 U	0.051 U	0.054 U	0.054 U
gamma-BHC (Lindane)	ug/L	0.051 U	0.052 U	0.051 U	0.05 U	0.056 U	0.051 U	0.051 U	0.054 U	0.054 U
Heptachlor	ug/L	0.051 U	0.052 U	0.051 U	0.05 U	0.056 U	0.051 U	0.051 U	0.054 U	0.054 U
Aldrin	ug/L	0.051 U	0.052 U	0.051 U	0.05 U	0.056 U	0.051 U	0.051 U	0.054 U	0.054 U
Heptachlor epoxide	ug/L	0.051 U	0.052 U	0.051 U	0.05 U	0.056 U	0.051 U	0.051 U	0.054 U	0.054 U
Endosulfan I	ug/L	0.051 U	0.052 U	0.051 U	0.05 U	0.056 U	0.051 U	0.051 U	0.054 U	0.054 U
Dieldrin	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U
4,4'-DDE	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U
Endrin	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U
Endosulfan II	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U
4,4'-DDD	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U
Endosulfan sulfate	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U
4,4'-DDT	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U
Methoxychlor	ug/L	0.51 U	0.52 U	0.51 U	0.5 U	0.56 U	0.51 U	0.51 U	0.54 U	0.54 U
Endrin ketone	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U
Endrin aldehyde	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U
alpha-Chlordane	ug/L	0.051 U	0.052 U	0.051 U	0.05 U	0.056 U	0.051 U	0.051 U	0.054 U	0.054 U
gamma-Chlordane	ug/L	0.051 U	0.052 U	0.051 U	0.05 U	0.056 U	0.051 U	0.051 U	0.054 U	0.054 U
Toxaphene	ug/L	5.1 U	5.2 U	5.1 U	5 U	5.6 U	5.1 U	5.1 U	5.4 U	5.4 U
Aroclor-1016	ug/L	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U
Aroclor-1221	ug/L	2 U	2.1 U	2 U	2 U	2.2 U	2 U	2 U	2.1 U	2.1 U
Aroclor-1232	ug/L	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U
Aroclor-1242	ug/L	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U
Aroclor-1248	ug/L	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U
Aroclor-1254	ug/L	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U
Aroclor-1280	ug/L	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U
METALS										
Aluminum	ug/L	398	1710	379	198 J	51.9 J	1530	811	29.3 J	174 J
Antimony	ug/L	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Arsenic	ug/L	2 U	2 U	2 U	2 U	2 U	2.2 J	2 U	2 U	2 U
Barium	ug/L	42 J	74.5 J	53.4 J	104 J	124 J	84.4 J	65.1 J	44 J	106 J
Beryllium	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cadmium	ug/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	ug/L	109000	148000	143000	138000	131000	200000	115000	92500	90900
Chromium	ug/L	0.49 J	3.8 J	0.46 J	0.41 J	0.4 U	3.1 J	2.5 J	0.4 U	0.4 J
Cobalt	ug/L	0.5 U	4.7 J	0.5 U	1.1 J	0.51 J	4.4 J	0.85 J	0.5 U	0.6 J
Copper	ug/L	0.61 J	1.4 J	0.97 J	1 J	0.58 J	3.1 J	1.7 J	0.59 J	0.53 J
Iron	ug/L	773 J	3340 J	539	400	108	5090	2640	78.3 J	311 J
Lead	ug/L	0.89 U	0.9 U	0.9 U	0.9 U	0.89 U	0.89 U	0.9 U	6.4	0.89 U
Magnesium	ug/L	16800	23400	20700	45600	39600	76000	44200	27900	22000
Manganese	ug/L	28.3	2040	40.6	98.9	54	559	149	69.9	18
Mercury	ug/L	0.04 J	0.06 J	0.04 J	0.04 U	0.04 U	0.04 U	0.04 U	0.14 J	0.06 J
Nickel	ug/L	1 J	9.6 J	1.9 J	1.4 J	0.74 J	7 J	2.3 J	0.7 U	1 J
Potassium	ug/L	1790 J	15000 J	2010 J	4780 J	4570 J	4480 J	3830 J	1140 J	942 J
Selenium	ug/L	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Silver	ug/L	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
Sodium	ug/L	2180 J	13000	10000	8140	9190	17800	5860	4240 J	2860 J
Thallium	ug/L	1.9 U	3.3 J	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Vanadium	ug/L	1.3 J	3 J	0.65 J	0.73 J	0.61 J	2.9 J	2 J	0.67 J	0.63 J
Zinc	ug/L	3.9 J	16 J	5.8 J	3.9 J	2.8 J	16.6 J	6 J	5.8 J	5.6 J
Cyanide	ug/L	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 UJ	5 UJ
OTHER ANALYSES										
Nitrate/Nitrite - Nitrogen	mg/L									
Total Petroleum Hydrocarbons	mg/L									
pH	Standard Units	7.4	7.4	7	8.4	8.2	7.4	7.1	7.6	6.4
Conductivity	umhos/cm	500	950	620	710	710	1010	520	500	450
Temperature	°C	15	21.6	13.6	12.9	14.5	11.6	11.2	15.4	15.3
Turbidity	NTU	15	60	120	14	3.3	331	88	0.9	10.6

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER	WATER SEAD-64 07/10/94 MW64C-9 226484 45282	WATER SEAD-64 07/08/94 MW64D-1 226385 45257	WATER SEAD-64 07/09/94 MW64D-2 226386 45257	WATER SEAD-64 07/08/94 MW64D-3 226387 45257	WATER SEAD-64 07/08/94 MW64D-4 226388 45257	WATER SEAD-64 07/18/94 MW64D-5 227269 45332
COMPOUND	UNITS	Also labelled MW-9				
VOLATILE ORGANICS						
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane (total)	ug/L	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U
Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U	10 U	10 U
HERBICIDES						
2,4-D	ug/L					
2,4-DB	ug/L					
2,4,5-T	ug/L					
2,4,5-TP (Silvex)	ug/L					
Daipon	ug/L					
Dicamba	ug/L					
Dichloroprop	ug/L					
Dinoseb	ug/L					
MCPA	ug/L					
MCPP	ug/L					
NITROAROMATICS						
HMX	ug/L					
RDX	ug/L					
1,3,5-Trinitrobenzene	ug/L					
1,3-Dinitrobenzene	ug/L					
Tetryl	ug/L					
2,4,6-Trinitrotoluene	ug/L					
4-amino-2,6-Dinitrotoluene	ug/L					
2-amino-4,6-Dinitrotoluene	ug/L					
2,6-Dinitrotoluene	ug/L					
2,4-Dinitrotoluene	ug/L					

SENECA ARMY DEPOT
SEAD-84 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER	WATER SEAD-64 07/10/94 MW64C-9 226484 45262	WATER SEAD-64 07/08/94 MW64D-1 226385 45257	WATER SEAD-64 07/09/94 MW64D-2 226386 45257	WATER SEAD-64 07/08/94 MW64D-3 226387 45257	WATER SEAD-64 07/08/94 MW64D-4 226388 45257	WATER SEAD-64 07/18/94 MW64D-5 227269 45332
COMPOUND	UNITS	Also labelled MW-9				
SEMIVOLATILE ORGANICS						
Phenol	ug/L	2 J	10 U	11 U	10 U	10 U
bis(2-Chloroethyl) ether	ug/L	11 U	10 U	11 U	10 U	10 U
2-Chlorophenol	ug/L	11 U	10 U	11 U	10 U	10 U
1,3-Dichlorobenzene	ug/L	11 U	10 U	11 U	10 U	10 U
1,4-Dichlorobenzene	ug/L	11 U	10 U	11 U	10 U	10 U
1,2-Dichlorobenzene	ug/L	11 U	10 U	11 U	10 U	10 U
2-Methylphenol	ug/L	11 U	10 U	11 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	11 U	10 U	11 U	10 U	10 U
4-Methylphenol	ug/L	11 U	10 U	11 U	10 U	10 U
N-Nitroso-di-n-propylamine	ug/L	11 U	10 U	11 U	10 U	10 U
Hexachloroethane	ug/L	11 U	10 U	11 U	10 U	10 U
Nitrobenzene	ug/L	11 U	10 U	11 U	10 U	10 U
Isophorone	ug/L	11 U	10 U	11 U	10 U	10 U
2-Nitrophenol	ug/L	11 U	10 U	11 U	10 U	10 U
2,4-Dimethylphenol	ug/L	11 U	10 U	11 U	10 U	10 U
bis(2-Chloroethoxy) methane	ug/L	11 U	10 U	11 U	10 U	10 U
2,4-Dichlorophenol	ug/L	11 U	10 U	11 U	10 U	10 U
1,2,4-Trichlorobenzene	ug/L	11 U	10 U	11 U	10 U	10 U
Naphthalene	ug/L	11 U	10 U	11 U	10 U	10 U
4-Chloroaniline	ug/L	11 U	10 U	11 U	10 U	10 U
Hexachlorobutadiene	ug/L	11 U	10 U	11 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L	11 U	10 U	11 U	10 U	10 U
2-Methylnaphthalene	ug/L	11 U	10 U	11 U	10 U	10 U
Hexachlorocycloperadiene	ug/L	11 U	10 U	11 U	10 U	10 U
2,4,6-Trichlorophenol	ug/L	11 U	10 U	11 U	10 U	10 U
2,4,5-Trichlorophenol	ug/L	29 U	26 U	26 U	25 U	26 U
2-Chloronaphthalene	ug/L	11 U	10 U	11 U	10 U	10 U
2-Nitroaniline	ug/L	29 U	26 U	26 U	25 U	26 U
Dimethylphthalate	ug/L	11 U	10 U	11 U	10 U	10 U
Acenaphthylene	ug/L	11 U	10 U	11 U	10 U	10 U
2,6-Dinitrotoluene	ug/L	11 U	10 U	11 U	10 U	10 U
3-Nitroaniline	ug/L	29 U	26 U	26 U	25 U	26 U
Acenaphthene	ug/L	11 U	10 U	11 U	10 U	10 U
2,4-Dinitrophenol	ug/L	29 U	26 U	26 U	25 U	26 U
4-Nitrophenol	ug/L	29 U	26 U	26 U	25 U	26 U
Dibenzofuran	ug/L	11 U	10 U	11 U	10 U	10 U
2,4-Dinitrotoluene	ug/L	11 U	10 U	11 U	10 U	10 U
Diethylphthalate	ug/L	0.7 J	10 U	11 U	10 U	10 U
4-Chlorophenyl-phenylether	ug/L	11 U	10 U	11 U	10 U	10 U
Fluorene	ug/L	11 U	10 U	11 U	10 U	10 U
4-Nitroaniline	ug/L	29 U	26 U	26 U	25 U	26 U
4,6-Dinitro-2-methylphenol	ug/L	29 U	26 U	26 U	25 U	26 U
N-Nitrosodiphenylamine	ug/L	11 U	10 U	11 U	10 U	10 U
4-Bromophenyl-phenylether	ug/L	11 U	10 U	11 U	10 U	10 U
Hexachlorobenzene	ug/L	11 U	10 U	11 U	10 U	10 U
Pentachlorophenol	ug/L	29 U	26 U	26 U	25 U	26 U
Phenanthrene	ug/L	11 U	10 U	11 U	10 U	10 U
Anthracene	ug/L	11 U	10 U	11 U	10 U	10 U
Carbazole	ug/L	11 U	10 U	11 U	10 U	10 U
Di-n-butylphthalate	ug/L	11 U	10 U	11 U	10 U	10 U
Fluoranthene	ug/L	11 U	10 U	11 U	10 U	10 U
Pyrene	ug/L	11 U	10 U	11 U	10 U	10 U
Butylbenzylphthalate	ug/L	11 U	10 U	11 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L	11 U	10 U	11 U	10 U	10 U
Benzo(a)anthracene	ug/L	11 U	10 U	11 U	10 U	10 U
Chrysene	ug/L	11 U	10 U	11 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	20 U	10 U	11 U	10 U	10 U
Di-n-octylphthalate	ug/L	11 U	10 U	11 U	10 U	10 U
Benzo(b)fluoranthene	ug/L	11 U	10 U	11 U	10 U	10 U
Benzo(k)fluoranthene	ug/L	11 U	10 U	11 U	10 U	10 U
Benzo(a)pyrene	ug/L	11 U	10 U	11 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	10 U	11 U	10 U	10 U
Dibenz(a,h)anthracene	ug/L	11 U	10 U	11 U	10 U	10 U
Benzo(g,h,i)perylene	ug/L	11 U	10 U	11 U	10 U	10 U

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER	WATER SEAD-64 07/10/94 MW64C-9 226484 45282	WATER SEAD-64 07/08/94 MW64D-1 226385 45257	WATER SEAD-64 07/09/94 MW64D-2 226386 45257	WATER SEAD-64 07/08/94 MW64D-3 226387 45257	WATER SEAD-64 07/08/94 MW64D-4 226388 45257	WATER SEAD-64 07/18/94 MW64D-5 227269 45332
COMPOUND	UNITS	Also labelled MW--9				
PESTICIDES/PCB						
alpha-BHC	ug/L	0.051 U	0.056 U	0.052 U	0.051 U	0.054 U
beta-BHC	ug/L	0.051 U	0.056 U	0.052 U	0.051 U	0.054 U
delta-BHC	ug/L	0.051 U	0.056 U	0.052 U	0.051 U	0.054 U
gamma-BHC (Lindane)	ug/L	0.051 U	0.056 U	0.052 U	0.051 U	0.054 U
Heptachlor	ug/L	0.051 U	0.056 U	0.052 U	0.051 U	0.054 U
Aldrin	ug/L	0.051 U	0.056 U	0.052 U	0.051 U	0.054 U
Heptachlor epoxide	ug/L	0.051 U	0.056 U	0.052 U	0.051 U	0.054 U
Endosulfan I	ug/L	0.051 U	0.056 U	0.052 U	0.051 U	0.054 U
Dieldrin	ug/L	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U
4,4'-DDE	ug/L	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U
Endrin	ug/L	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U
Endosulfan II	ug/L	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U
4,4'-DDD	ug/L	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U
Endosulfan sulfate	ug/L	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U
4,4'-DDT	ug/L	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U
Methoxychlor	ug/L	0.51 U	0.56 U	0.52 U	0.51 U	0.54 U
Endrin ketone	ug/L	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U
Endrin aldehyde	ug/L	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U
alpha-Chlordane	ug/L	0.051 U	0.056 U	0.052 U	0.051 U	0.054 U
gamma-Chlordane	ug/L	0.051 U	0.056 U	0.052 U	0.051 U	0.054 U
Toxaphene	ug/L	5.1 U	5.6 U	5.2 U	5.1 U	5.4 U
Aroclor-1016	ug/L	1 U	1.1 U	1 U	1 U	1.1 U
Aroclor-1221	ug/L	2 U	2.2 U	2.1 U	2 U	2.2 U
Aroclor-1232	ug/L	1 U	1.1 U	1 U	1 U	1.1 U
Aroclor-1242	ug/L	1 U	1.1 U	1 U	1 U	1.1 U
Aroclor-1248	ug/L	1 U	1.1 U	1 U	1 U	1.1 U
Aroclor-1254	ug/L	1 U	1.1 U	1 U	1 U	1.1 U
Aroclor-1260	ug/L	1 U	1.1 U	1 U	1 U	1.1 U
METALS						
Aluminum	ug/L	38.2 J	177 J	1390	453	494
Antimony	ug/L	1.3 U	1.3 U	1.3 U	1.5 J	1.3 U
Arsenic	ug/L	2 U	2 U	2 U	2 U	2 U
Barium	ug/L	20.4 J	88.6 J	62.8 J	75.9 J	63 J
Beryllium	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cadmium	ug/L	0.2 U	0.2 U	0.2 U	1.3 J	0.2 U
Calcium	ug/L	121000	142000	122000	120000	140000
Chromium	ug/L	0.4 U	0.4 U	1.5 J	0.63 J	0.42 J
Cobalt	ug/L	0.5 U	0.69 J	2.8 J	1.5 J	1.4 J
Copper	ug/L	0.55 J	0.5 U	3.9 J	2 J	0.68 J
Iron	ug/L	681	440	1730	538	552
Lead	ug/L	0.9 U	0.9 U	1.2 J	0.89 U	0.89 U
Magnesium	ug/L	49400	14800	13000	14800	13200
Manganese	ug/L	96	223	456	86.6	106
Mercury	ug/L	0.04 U	0.04 U	0.04 U	0.04 U	0.04 J
Nickel	ug/L	1.2 J	1.4 J	4.1 J	1.1 J	1.5 J
Potassium	ug/L	1670 J	3340 J	3240 J	1770 J	1280 J
Selenium	ug/L	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Silver	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Sodium	ug/L	6420	12300	4490 J	6520	3350 J
Thallium	ug/L	1.9 U	2.2 J	1.9 U	3.2 J	1.9 U
Vanadium	ug/L	0.61 J	0.69 J	2.1 J	0.9 J	0.69 J
Zinc	ug/L	3.9 J	3.8 J	12.4 J	14.4 J	6.5 J
Cyanide	ug/L	5 U	5 U	5 U	5 U	5 U
OTHER ANALYSES						
Nitrate/Nitrite-Nitrogen	mg/L					
Total Petroleum Hydrocarbons	mg/L					
pH	Standard Units	8.6	7.2	7.9	7.5	7.3
Conductivity	umhos/cm	690	725	490	550	595
Temperature	°C	12.4	22	15.6	16.9	15.2
Turbidity	NTU	2.4	1.5	181	127	141

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER
	LOCATION	SEAD-64	SEAD-64	SEAD-64
	SAMPLE DATE	04/18/94	04/18/94	04/18/94
	ES ID	SW64B-1	SW64B-2	SW64B-3
	LAB ID	218294	218295	218296
	SDG NUMBER	43626	43626	43626
	UNITS			
VOLATILE ORGANICS				
Chloromethane	ug/L	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	2 J	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U
HERBICIDES				
2,4-D	ug/L			
2,4-DB	ug/L			
2,4,5-T	ug/L			
2,4,5-TP (Silvex)	ug/L			
Dalapon	ug/L			
Dicamba	ug/L			
Dichloroprop	ug/L			
Dinoseb	ug/L			
MCPA	ug/L			
MCPP	ug/L			
NITROAROMATICS				
HMX	ug/L			
RDX	ug/L			
1,3,5-Trinitrobenzene	ug/L			
1,3-Dinitrobenzene	ug/L			
Tetryl	ug/L			
2,4,6-Trinitrotoluene	ug/L			
4-amino-2,6-Dinitrotoluene	ug/L			
2-amino-4,6-Dinitrotoluene	ug/L			
2,6-Dinitrotoluene	ug/L			
2,4-Dinitrotoluene	ug/L			

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

MATRIX LOCATION	WATER SEAD-64	WATER SEAD-64	WATER SEAD-64
SAMPLE DATE	04/18/94	04/18/94	04/18/94
ES ID	SW64B-1	SW64B-2	SW64B-3
LAB ID	218294	218295	218296
SDG NUMBER	43626	43626	43626
COMPOUND			
UNITS			
SEMIVOLATILE ORGANICS			
Phenol	ug/L	11 U	11 U
bis(2-Chloroethyl) ether	ug/L	11 U	10 U
2-Chlorophenol	ug/L	11 U	10 U
1,3-Dichlorobenzene	ug/L	11 U	10 U
1,4-Dichlorobenzene	ug/L	11 U	10 U
1,2-Dichlorobenzene	ug/L	11 U	10 U
2-Methylphenol	ug/L	11 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	11 U	10 U
4-Methylphenol	ug/L	11 U	10 U
N-Nitroso-d-n-propylamine	ug/L	11 U	10 U
Hexachloroethane	ug/L	11 U	10 U
Nitrobenzene	ug/L	11 U	10 U
Isophorone	ug/L	11 U	10 U
2-Nitrophenol	ug/L	11 U	10 U
2,4-Dimethylphenol	ug/L	11 U	10 U
bis(2-Chloroethoxy) methane	ug/L	11 U	10 U
2,4-Dichlorophenol	ug/L	11 U	10 U
1,2,4-Trichlorobenzene	ug/L	11 U	10 U
Naphthalene	ug/L	11 U	10 U
4-Chloroaniline	ug/L	11 U	10 U
Hexachlorobutadiene	ug/L	11 U	10 U
4-Chloro-3-methylphenol	ug/L	11 U	10 U
2-Methylnaphthalene	ug/L	11 U	10 U
Hexachlorocyclopentadiene	ug/L	11 U	10 U
2,4,6-Trichlorophenol	ug/L	11 U	10 U
2,4,5-Trichlorophenol	ug/L	27 U	26 U
2-Chloronaphthalene	ug/L	11 U	10 U
2-Nitroaniline	ug/L	27 U	26 U
Dimethylphthalate	ug/L	11 U	10 U
Acenaphthylene	ug/L	11 U	10 U
2,6-Dinitrotoluene	ug/L	11 U	10 U
3-Nitroaniline	ug/L	27 U	26 U
Acenaphthene	ug/L	11 U	10 U
2,4-Dinitrophenol	ug/L	27 U	26 U
4-Nitrophenol	ug/L	27 U	26 U
Dibenzofuran	ug/L	11 U	10 U
2,4-Dinitrotoluene	ug/L	11 U	10 U
Diethylphthalate	ug/L	11 U	10 U
4-Chlorophenyl-phenylether	ug/L	11 U	10 U
Fluorene	ug/L	11 U	10 U
4-Nitroaniline	ug/L	27 U	26 U
4,6-Dinitro-2-methylphenol	ug/L	27 U	26 U
N-Nitrosodiphenylamine	ug/L	11 U	10 U
4-Bromophenyl-phenylether	ug/L	11 U	10 U
Hexachlorobenzene	ug/L	11 U	10 U
Pentachlorophenol	ug/L	27 U	26 U
Phenanthrene	ug/L	11 U	10 U
Anthracene	ug/L	11 U	10 U
Carbazole	ug/L	11 U	10 U
Di-n-butylphthalate	ug/L	11 U	10 U
Fluoranthene	ug/L	11 U	10 U
Pyrene	ug/L	11 U	10 U
Butylbenzylphthalate	ug/L	11 U	10 U
3,3'-Dichlorobenzidine	ug/L	11 U	10 U
Benzo(a)anthracene	ug/L	11 U	10 U
Chrysene	ug/L	11 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	11 U	14 U
Di-n-octylphthalate	ug/L	11 U	10 U
Benzo(b)fluoranthene	ug/L	11 U	10 U
Benzo(k)fluoranthene	ug/L	11 U	10 U
Benzo(a)pyrene	ug/L	11 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	10 U
Dibenz(a,h)anthracene	ug/L	11 U	10 U
Benzo(g,h,i)perylene	ug/L	11 U	10 U

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER
	LOCATION	SEAD-64	SEAD-64	SEAD-64
	SAMPLE DATE	04/18/94	04/18/94	04/18/94
	ES ID	SW64B-1	SW64B-2	SW64B-3
	LAB ID	218294	218295	218296
	SDG NUMBER	43626	43626	43626
	UNITS			
PESTICIDES/PCB				
alpha-BHC	ug/L	0.052 U	0.06 U	0.054 U
beta-BHC	ug/L	0.052 U	0.06 U	0.054 U
delta-BHC	ug/L	0.052 U	0.06 U	0.054 U
gamma-BHC (Lindane)	ug/L	0.052 U	0.06 U	0.054 U
Heptachlor	ug/L	0.052 U	0.06 U	0.054 U
Aldrin	ug/L	0.052 U	0.06 U	0.054 U
Heptachlor epoxide	ug/L	0.052 U	0.06 U	0.054 U
Endosulfan I	ug/L	0.052 U	0.06 U	0.054 U
Dieldrin	ug/L	0.1 U	0.12 U	0.11 U
4,4'-DDE	ug/L	0.1 U	0.12 U	0.11 U
Endrin	ug/L	0.1 U	0.12 U	0.11 U
Endosulfan II	ug/L	0.1 U	0.12 U	0.11 U
4,4'-DDD	ug/L	0.1 U	0.12 U	0.11 U
Endosulfan sulfate	ug/L	0.1 U	0.12 U	0.11 U
4,4'-DDT	ug/L	0.1 U	0.12 U	0.11 U
Methoxychlor	ug/L	0.52 U	0.6 U	0.54 U
Endrin ketone	ug/L	0.1 U	0.12 U	0.11 U
Endrin aldehyde	ug/L	0.1 U	0.12 U	0.11 U
alpha-Chlordane	ug/L	0.052 U	0.06 U	0.054 U
gamma-Chlordane	ug/L	0.052 U	0.06 U	0.054 U
Toxaphene	ug/L	5.2 U	6 U	5.4 U
Aroclor-1016	ug/L	1 U	1.2 U	1.1 U
Aroclor-1221	ug/L	2.1 U	2.4 U	2.1 U
Aroclor-1232	ug/L	1 U	1.2 U	1.1 U
Aroclor-1242	ug/L	1 U	1.2 U	1.1 U
Aroclor-1248	ug/L	1 U	1.2 U	1.1 U
Aroclor-1254	ug/L	1 U	1.2 U	1.1 U
Aroclor-1260	ug/L	1 U	1.2 U	1.1 U
METALS				
Aluminum	ug/L	23.5 J	141 J	12.7 U
Antimony	ug/L	0.99 U	1 U	1 U
Arsenic	ug/L	1.5 U	1.5 U	1.5 U
Barium	ug/L	34 J	37.8 J	28.2 J
Beryllium	ug/L	0.06 U	0.06 U	0.06 U
Cadmium	ug/L	0.1 U	0.1 U	0.1 U
Calcium	ug/L	61100	61200	54000
Chromium	ug/L	0.4 U	0.41 J	0.42 J
Cobalt	ug/L	0.59 U	0.6 U	0.6 U
Copper	ug/L	1 J	1.5 J	1.3 J
Iron	ug/L	36.6 J	331	30.2 J
Lead	ug/L	0.79 U	0.8 U	0.8 U
Magnesium	ug/L	10900	10800	9250
Manganese	ug/L	4.7 J	39.2	1.8 J
Mercury	ug/L	0.03 U	0.03 U	0.03 U
Nickel	ug/L	0.59 U	1.2 J	1.1 J
Potassium	ug/L	1150 J	1180 J	1070 J
Selenium	ug/L	1.7 U	1.7 U	1.7 U
Silver	ug/L	0.69 U	0.7 U	0.7 U
Sodium	ug/L	3050 J	2990 J	2960 J
Thallium	ug/L	1.8 U	1.6 U	1.6 U
Vanadium	ug/L	0.69 U	0.7 U	0.7 U
Zinc	ug/L	3.5 J	7.7 J	1.5 J
Cyanide	ug/L	5 UJ	5 UJ	5 UJ
OTHER ANALYSES				
Nitrate/Nitrite - Nitrogen	mg/L			
Total Petroleum Hydrocarbons	mg/L			
pH	Standard Units	7.9	7.8	7.6
Conductivity	umhos/cm	293	280	255
Temperature	°C	16	16	15.9
Turbidity	NTU	0.6	0.5	0.6

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SOIL SEAD-64 0-0.2 04/18/94 SD64B-1 218210 43543	SOIL SEAD-64 0-0.2 04/18/94 SD64B-2 218211 43543	SOIL SEAD-64 0-0.2 04/18/94 SD64B-3 218212 43543
VOLATILE ORGANICS				
Chloromethane	ug/Kg	14 U	15 U	15 U
Bromomethane	ug/Kg	14 U	15 U	15 U
Vinyl Chloride	ug/Kg	14 U	15 U	15 U
Chloroethane	ug/Kg	14 U	15 U	15 U
Methylene Chloride	ug/Kg	3 J	6 J	2 J
Acetone	ug/Kg	14 U	15 U	15 U
Carbon Disulfide	ug/Kg	14 U	15 U	15 U
1,1-Dichloroethene	ug/Kg	14 U	15 U	15 U
1,1-Dichloroethane	ug/Kg	14 U	15 U	15 U
1,2-Dichloroethene (total)	ug/Kg	14 U	15 U	15 U
Chloroform	ug/Kg	14 U	15 U	15 U
1,2-Dichloroethane	ug/Kg	14 U	15 U	15 U
2-Butanone	ug/Kg	14 U	15 U	15 U
1,1,1-Trichloroethane	ug/Kg	14 U	15 U	15 U
Carbon Tetrachloride	ug/Kg	14 U	15 U	15 U
Bromodichloromethane	ug/Kg	14 U	15 U	15 U
1,2-Dichloropropane	ug/Kg	14 U	15 U	15 U
cis-1,3-Dichloropropane	ug/Kg	14 U	15 U	15 U
Trichloroethene	ug/Kg	14 U	15 U	15 U
Dibromochloromethane	ug/Kg	14 U	15 U	15 U
1,1,2-Trichloroethane	ug/Kg	14 U	15 U	15 U
Benzene	ug/Kg	14 U	15 U	15 U
trans-1,3-Dichloropropene	ug/Kg	14 U	15 U	15 U
Bromoform	ug/Kg	14 U	15 U	15 U
4-Methyl-2-Pentanone	ug/Kg	14 U	15 U	15 U
2-Hexanone	ug/Kg	14 U	15 U	15 U
Tetrachloroethene	ug/Kg	14 U	15 U	15 U
1,1,2,2-Tetrachloroethane	ug/Kg	14 U	15 U	15 U
Toluene	ug/Kg	14 U	15 U	15 U
Chlorobenzene	ug/Kg	14 U	15 U	15 U
Ethylbenzene	ug/Kg	14 U	15 U	15 U
Styrene	ug/Kg	14 U	15 U	15 U
Xylene (total)	ug/Kg	14 U	15 U	15 U
HERBICIDES				
2,4-D	ug/Kg			
2,4-DB	ug/Kg			
2,4,5-T	ug/Kg			
2,4,5-TP (Silvex)	ug/Kg			
Dalapon	ug/Kg			
Dicamba	ug/Kg			
Dichloroprop	ug/Kg			
Dinoseb	ug/Kg			
MCFA	ug/Kg			
MCPP	ug/Kg			
NITROAROMATICS				
HMX	ug/Kg			
RDX	ug/Kg			
1,3,5-Trinitrobenzene	ug/Kg			
1,3-Dinitrobenzene	ug/Kg			
Tetryl	ug/Kg			
2,4,6-Trinitrotoluene	ug/Kg			
4-amino-2,6-Dinitrotoluene	ug/Kg			
2-amino-4,6-Dinitrotoluene	ug/Kg			
2,6-Dinitrotoluene	ug/Kg			
2,4-Dinitrotoluene	ug/Kg			

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SOIL SEAD-64 0-0.2 04/18/94 SD64B-1 218210 43543	SOIL SEAD-64 0-0.2 04/18/94 SD64B-2 218211 43543	SOIL SEAD-64 0-0.2 04/18/94 SD64B-3 218212 43543
SEMIVOLATILE ORGANICS				
Phenol	ug/Kg	460 U	460 U	450 U
bis(2-Chloroethyl) ether	ug/Kg	460 U	460 U	450 U
2-Chlorophenol	ug/Kg	460 U	460 U	450 U
1,3-Dichlorobenzene	ug/Kg	460 U	460 U	450 U
1,4-Dichlorobenzene	ug/Kg	460 U	460 U	450 U
1,2-Dichlorobenzene	ug/Kg	460 U	460 U	450 U
2-Methylphenol	ug/Kg	460 U	460 U	450 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	460 U	460 U	450 U
4-Methylphenol	ug/Kg	460 U	460 U	450 U
N-Nitroso-di-n-propylamine	ug/Kg	460 U	460 U	450 U
Hexachloroethane	ug/Kg	460 U	460 U	450 U
Nitrobenzene	ug/Kg	460 U	460 U	450 U
Isophorone	ug/Kg	460 U	460 U	450 U
2-Nitrophenol	ug/Kg	460 U	460 U	450 U
2,4-Dimethylphenol	ug/Kg	460 U	460 U	450 U
bis(2-Chloroethoxy) methane	ug/Kg	460 U	460 U	450 U
2,4-Dichlorophenol	ug/Kg	460 U	460 U	450 U
1,2,4-Trichlorobenzene	ug/Kg	460 U	460 U	450 U
Naphthalene	ug/Kg	460 U	460 U	450 U
4-Chloroaniline	ug/Kg	460 U	460 U	450 U
Hexachlorobutadiene	ug/Kg	460 U	460 U	450 U
4-Chloro-3-methylphenol	ug/Kg	460 U	460 U	450 U
2-Methylnaphthalene	ug/Kg	460 U	460 U	450 U
Hexachlorocyclopentadiene	ug/Kg	460 U	460 U	450 U
2,4,6-Trichlorophenol	ug/Kg	460 U	460 U	450 U
2,4,5-Trichlorophenol	ug/Kg	1100 U	1100 U	1100 U
2-Chloronaphthalene	ug/Kg	460 U	460 U	450 U
2-Nitroaniline	ug/Kg	1100 U	1100 U	1100 U
Dimethylphthalate	ug/Kg	460 U	460 U	450 U
Acenaphthylene	ug/Kg	460 U	460 U	450 U
2,6-Dinitrotoluene	ug/Kg	460 U	460 U	450 U
3-Nitroaniline	ug/Kg	1100 U	1100 U	1100 U
Acenaphthene	ug/Kg	460 U	460 U	450 U
2,4-Dinitrophenol	ug/Kg	1100 U	1100 U	1100 U
4-Nitrophenol	ug/Kg	1100 U	1100 U	1100 U
Dibenzofuran	ug/Kg	460 U	460 U	450 U
2,4-Dinitrotoluene	ug/Kg	460 U	460 U	450 U
Diethylphthalate	ug/Kg	460 U	460 U	450 U
4-Chlorophenyl-phenylether	ug/Kg	460 U	460 U	450 U
Fluorene	ug/Kg	460 U	460 U	450 U
4-Nitroaniline	ug/Kg	1100 U	1100 U	1100 U
4,6-Dinitro-2-methylphenol	ug/Kg	1100 U	1100 U	1100 U
N-Nitrosodiphenylamine	ug/Kg	460 U	460 U	450 U
4-Bromophenyl-phenylether	ug/Kg	460 U	460 U	450 U
Hexachlorobenzene	ug/Kg	460 U	460 U	450 U
Pentachlorophenol	ug/Kg	1100 U	1100 U	1100 U
Phenanthrene	ug/Kg	460 U	460 U	31 J
Anthracene	ug/Kg	460 U	460 U	450 U
Carbazole	ug/Kg	460 U	460 U	450 U
Di-n-butylphthalate	ug/Kg	460 U	460 U	450 U
Fluoranthene	ug/Kg	460 U	460 U	55 J
Pyrene	ug/Kg	460 U	460 U	32 J
Butylbenzylphthalate	ug/Kg	460 U	460 U	450 U
3,3'-Dichlorobenzidine	ug/Kg	460 U	460 U	450 U
Benzo(a)anthracene	ug/Kg	460 U	460 U	450 U
Chrysene	ug/Kg	460 U	460 U	450 U
bis(2-Ethylhexyl)phthalate	ug/Kg	460 U	79 J	23 J
Di-n-octylphthalate	ug/Kg	460 U	460 U	450 U
Benzo(b)fluoranthene	ug/Kg	460 U	460 U	39 J
Benzo(k)fluoranthene	ug/Kg	460 U	460 U	30 J
Benzo(a)pyrene	ug/Kg	460 U	460 U	29 J
Indeno(1,2,3-cd)pyrene	ug/Kg	460 U	460 U	450 U
Dibenz(a,h)anthracene	ug/Kg	460 U	460 U	450 U
Benzo(g,h,i)perylene	ug/Kg	460 U	460 U	450 U

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL
	LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SEAD-64 0-0.2 04/18/94 SD64B-1 218210 43543	SEAD-64 0-0.2 04/18/94 SD64B-2 218211 43543	SEAD-64 0-0.2 04/18/94 SD64B-3 218212 43543
PESTICIDES/PCB				
alpha-BHC	ug/Kg	2.4 U	2.4 U	2.3 U
beta-BHC	ug/Kg	2.4 U	2.4 U	2.3 U
delta-BHC	ug/Kg	2.4 U	2.4 U	2.3 U
gamma-BHC (Lindane)	ug/Kg	2.4 U	2.4 U	2.3 U
Heptachlor	ug/Kg	2.4 U	2.4 U	1.1 J
Aldrin	ug/Kg	2.4 U	2.4 U	2.3 U
Heptachlor epoxide	ug/Kg	2.4 U	2.4 U	2.3 U
Endosulfan I	ug/Kg	2.4 U	2.4 U	2.4
Dieldrin	ug/Kg	4.6 U	4.6 U	4.5 U
4,4'-DDE	ug/Kg	4.6 U	4.6 U	3.3 J
Endrin	ug/Kg	4.6 U	4.6 U	4.5 U
Endosulfan II	ug/Kg	4.6 U	4.6 U	4.5 U
4,4'-DDD	ug/Kg	4.6 U	4.6 U	4.5 U
Endosulfan sulfate	ug/Kg	4.6 U	4.6 U	4.5 U
4,4'-DDT	ug/Kg	4.6 U	4.6 U	4.5 U
Methoxychlor	ug/Kg	24 U	24 U	23 U
Endrin ketone	ug/Kg	4.6 U	4.6 U	4.5 U
Endrin aldehyde	ug/Kg	4.6 U	4.6 U	4.5 U
alpha-Chlordane	ug/Kg	2.4 U	2.4 U	2.3 U
gamma-Chlordane	ug/Kg	2.4 U	2.4 U	2.3 U
Toxaphene	ug/Kg	240 U	240 U	230 U
Aroclor-1018	ug/Kg	46 U	46 U	45 U
Aroclor-1221	ug/Kg	93 U	93 U	91 U
Aroclor-1232	ug/Kg	46 U	46 U	45 U
Aroclor-1242	ug/Kg	46 U	46 U	45 U
Aroclor-1248	ug/Kg	46 U	46 U	45 U
Aroclor-1254	ug/Kg	46 U	46 U	45 U
Aroclor-1260	ug/Kg	46 U	46 U	45 U
METALS				
Aluminum	mg/Kg	7730	8730	12600
Antimony	mg/Kg	0.19 UJ	0.22 UJ	0.25 J
Arsenic	mg/Kg	5	4.5	7.5
Barium	mg/Kg	71.7	60.7	102
Beryllium	mg/Kg	0.42 J	0.44 J	0.67 J
Cadmium	mg/Kg	0.35 J	0.25 J	0.45 J
Calcium	mg/Kg	75900	63000	54200
Chromium	mg/Kg	11.9	13.2	19.3
Cobalt	mg/Kg	8.5 J	8.2 J	11.8
Copper	mg/Kg	17.6	15.7	27
Iron	mg/Kg	17000	16500	28100
Lead	mg/Kg	10.7	9.1	16.5
Magnesium	mg/Kg	11800	13200	14100
Manganese	mg/Kg	447	351	664
Mercury	mg/Kg	0.03 J	0.03 J	0.19 J
Nickel	mg/Kg	20.5	20.3	32
Potassium	mg/Kg	1330	1950	2190
Selenium	mg/Kg	0.32 U	0.37 U	0.36 U
Silver	mg/Kg	0.13 U	0.15 U	0.15 U
Sodium	mg/Kg	30.3 U	35.5 J	33.6 U
Thallium	mg/Kg	0.31 U	0.35 U	0.34 U
Vanadium	mg/Kg	15.7	17.1	25.9
Zinc	mg/Kg	66.1	52.2	82.2
Cyanide	mg/Kg	0.61 U	0.57 U	0.63 U
OTHER ANALYSES				
Nitrate/Nitrite - Nitrogen	mg/Kg			
Total Petroleum Hydrocarbons	mg/Kg			
Total Solids	%W/W	72.2	72.4	74.3

SENECA ARMY DEPOT
SEAD-67 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-67 0-0.2 03/30/94 MW67-2.00 216109 43257	SOIL SEAD-67 2-4 03/30/94 MW67-2.02 216112 43257	SOIL SEAD-67 4-5 03/30/94 MW67-2.03 216113 43257	SOIL SEAD-67 2-3 06/06/94 TP67-1 223303 44410	SOIL SEAD-67 2-3 06/06/94 TP67-2 223305 44410	SOIL SEAD-67 2-3 06/06/94 TP67-3 223306 44410	SOIL SEAD-67 2-3 06/06/94 TP67-4 223307 44410	SOIL SEAD-67 2-3 06/06/94 TP67-5 223308 44410	
VOLATILE ORGANICS									
Chloromethane	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U	
Bromomethane	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U	
Vinyl Chloride	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U	
Chloroethane	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U	
Methylene Chloride	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U	
Acetone	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U	
Carbon Disulfide	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U	
1,1-Dichloroethane	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U	
1,1-Dichloroethane	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U	
1,2-Dichloroethane (total)	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U	
Chloroform	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U	
1,2-Dichloroethane	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U	
2-Butanone	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U	
1,1,1-Trichloroethane	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U	
Carbon Tetrachloride	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U	
Bromodichloromethane	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U	
1,2-Dichloropropane	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U	
cis-1,3-Dichloropropene	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U	
Trichloroethene	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U	
Dibromochloromethane	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U	
1,1,2-Trichloroethane	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U	
Benzene	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U	
trans-1,3-Dichloropropene	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U	
Bromoform	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U	
4-Methyl-2-Pentanone	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U	
2-Hexanone	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U	
Tetrachloroethene	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U	
1,1,2,2-Tetrachloroethane	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U	
Toluene	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U	
Chlorobenzene	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U	
Ethylbenzene	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U	
Styrene	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U	
Xylene (total)	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U	
HERBICIDES									
2,4-D	ug/Kg								
2,4-DB	ug/Kg								
2,4,5-T	ug/Kg								
2,4,5-TP (Silver)	ug/Kg								
Dalapon	ug/Kg								
Dicamba	ug/Kg								
Dichloroprop	ug/Kg								
Dinoseb	ug/Kg								
MCPA	ug/Kg								
MCPP	ug/Kg								
NITROAROMATICS									
HMX	ug/Kg								
RDX	ug/Kg								
1,3,5-Trinitrobenzene	ug/Kg								
1,3-Dinitrobenzene	ug/Kg								
Tetryl	ug/Kg								
2,4,6-Trinitrotoluene	ug/Kg								
4-amino-2,6-Dinitrotoluene	ug/Kg								
2-amino-4,6-Dinitrotoluene	ug/Kg								
2,6-Dinitrotoluene	ug/Kg								
2,4-Dinitrotoluene	ug/Kg								

SENECA ARMY DEPOT
SEAD-67 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-67 0-0.2 03/30/94 MW67-2.00 216109 43257	SOIL SEAD-67 2-4 03/30/94 MW87-2.02 216112 43257	SOIL SEAD-67 4-5 03/30/94 MW67-2.03 216113 43257	SOIL SEAD-67 2-3 06/06/94 TP67-1 223303 44410	SOIL SEAD-67 2-3 06/06/94 TP67-2 223305 44410	SOIL SEAD-67 2-3 06/06/94 TP67-3 223306 44410	SOIL SEAD-67 2-3 06/06/94 TP67-4 223307 44410	SOIL SEAD-67 2-3 06/06/94 TP67-5 223308 44410	
COMPOUND UNITS									
SEMIVOLATILE ORGANICS									
Phenol	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
bis(2-Chloroethyl) ether	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
2-Chlorophenol	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
1,3-Dichlorobenzene	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
1,4-Dichlorobenzene	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
1,2-Dichlorobenzene	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
2-Methylphenol	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
4-Methylphenol	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
N-Nitroso-di-n-propylamine	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Hexachloroethane	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Nitrobenzene	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Isophorone	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
2-Nitrophenol	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
2,4-Dimethylphenol	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
bis(2-Chloroethoxy) methane	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
2,4-Dichlorophenol	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
1,2,4-Trichlorobenzene	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Naphthalene	ug/Kg	480 U	380 U	370 U	34 J	380 U	34 J	400 U	450 U
4-Chloroaniline	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Hexachlorobutadiene	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
4-Chloro-3-methylphenol	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
2-Methylnaphthalene	ug/Kg	480 U	380 U	370 U	44 J	380 U	25 J	400 U	450 U
Hexachlorocycloperitadiene	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
2,4,6-Trichlorophenol	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
2,4,5-Trichlorophenol	ug/Kg	1200 U	930 U	890 U	950 U	930 U	930 U	980 U	1100 U
2-Chloronaphthalene	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
2-Nitroaniline	ug/Kg	1200 U	930 U	890 U	950 U	930 U	930 U	980 U	1100 U
Dimethylphthalate	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Acenaphthylene	ug/Kg	480 U	380 U	370 U	38 J	33 J	210 J	400 U	26 J
2,6-Dinitrotoluene	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
3-Nitroaniline	ug/Kg	1200 U	930 U	890 U	950 U	930 U	930 U	980 U	1100 U
Acenaphthene	ug/Kg	480 U	380 U	370 U	50 J	380 U	380 U	400 U	450 U
2,4-Dinitrophenol	ug/Kg	1200 U	930 U	890 U	950 U	930 U	930 U	980 U	1100 U
4-Nitrophenol	ug/Kg	1200 U	930 U	890 U	950 U	930 U	930 U	980 U	1100 U
Dibenzofuran	ug/Kg	480 U	380 U	370 U	50 J	380 U	380 U	400 U	450 U
2,4-Dinitrotoluene	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Diethylphthalate	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
4-Chlorophenyl-phenylether	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Fluorene	ug/Kg	480 U	380 U	370 U	110 J	31 J	380 U	400 U	27 J
4-Nitroaniline	ug/Kg	1200 U	930 U	890 U	950 U	930 U	930 U	980 U	1100 U
4,6-Dinitro-2-methylphenol	ug/Kg	1200 U	930 U	890 U	950 U	930 U	930 U	980 U	1100 U
N-Nitrosodiphenylamine	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
4-Bromophenyl-phenylether	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Hexachlorobenzene	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Pentachlorophenol	ug/Kg	1200 U	930 U	890 U	950 U	930 U	930 U	980 U	1100 U
Phenanthrene	ug/Kg	480 U	380 U	370 U	740	340 J	180 J	32 J	280 J
Anthracene	ug/Kg	480 U	380 U	370 U	97 J	44 J	140 J	400 U	43 J
Carbazole	ug/Kg	480 U	380 U	370 U	80 J	23 J	380 U	400 U	32 J
Di-n-butylphthalate	ug/Kg	480 U	47 J	370 U	390 U	47 J	380 U	400 U	450 U
Fluoranthene	ug/Kg	36 J	380 U	370 U	780	610	860	55 J	510
Pyrene	ug/Kg	31 J	380 U	370 U	520	500	950	43 J	450
Butylbenzylphthalate	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
3,3'-Dichlorobenzidine	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Benzo(a)anthracene	ug/Kg	480 U	380 U	370 U	280 J	250 J	610	24 J	240 J
Chrysene	ug/Kg	480 U	380 U	370 U	300 J	290 J	690	29 J	230 J
bis(2-Ethylhexyl)phthalate	ug/Kg	480 U	250 J	230 J	29 J	380 U	380 U	400 U	450 U
Di-n-octylphthalate	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Benzo(b)fluoranthene	ug/Kg	480 U	380 U	370 U	440 J	470 J	1300 J	26 J	430 J
Benzo(k)fluoranthene	ug/Kg	480 U	380 U	370 U	390 UJ	380 UJ	380 UJ	28 J	450 UJ
Benzo(a)pyrene	ug/Kg	480 U	380 U	370 U	210 J	220 J	830	28 J	220 J
Indeno(1,2,3-cd)pyrene	ug/Kg	480 U	380 U	370 U	96 J	120 J	620	25 J	130 J
Dibenz(a,h)anthracene	ug/Kg	480 U	380 U	370 U	70 J	53 J	310 J	400 U	65 J
Benzo(g,h,i)perylene	ug/Kg	480 U	380 U	370 U	64 J	93 J	620	40 J	97 J

SENECA ARMY DEPOT
SEAD-67 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER COMPOUND UNITS	SOIL SEAD-67 0-0.2 03/30/94 MW67-2.00 216109 43257	SOIL SEAD-67 2-4 03/30/94 MW67-2.02 216112 43257	SOIL SEAD-67 4-5 03/30/94 MW67-2.03 216113 43257	SOIL SEAD-67 2-3 06/06/94 TP67-1 223303 44410	SOIL SEAD-67 2-3 06/06/94 TP67-2 223305 44410	SOIL SEAD-67 2-3 06/06/94 TP67-3 223306 44410	SOIL SEAD-67 2-3 06/06/94 TP67-4 223307 44410	SOIL SEAD-67 2-3 06/06/94 TP67-5 223308 44410	
PESTICIDES/PCB									
alpha-BHC	ug/Kg 2.5 U	2 U	1.9 U	2 U	2 U	2 U	2.1 U	2.3 U	
beta-BHC	ug/Kg 2.5 U	2 U	1.9 U	2 U	2 U	2 U	2.1 U	2.3 U	
delta-BHC	ug/Kg 2.5 U	2 U	1.9 U	2 U	2 U	2 U	2.1 U	2.3 U	
gamma-BHC (Lindane)	ug/Kg 2.5 U	2 U	1.9 U	2 U	2 U	2 U	2.1 U	2.3 U	
Heptachlor	ug/Kg 2.5 U	2 U	1.9 U	2 U	2 U	2 U	2.1 U	2.3 U	
Aldrin	ug/Kg 2.5 U	2 U	1.9 U	2 U	2 U	2 U	2.1 U	2.3 U	
Heptachlor epoxide	ug/Kg 5.5	2 U	1.9 U	2 U	2 U	1.2 J	2.1 U	2.3 U	
Endosulfan I	ug/Kg 4	2 U	1.9 U	3.2 J	11 J	25 J	1.2 J	15 J	
Dieldrin	ug/Kg 4.8 U	3.8 U	3.7 U	3.9 U	3.8 U	3.8 U	4 U	4.5 U	
4,4'-DDE	ug/Kg 4.8 U	3.8 U	3.7 U	2.3 J	4.5 J	4.8 J	4 U	3 J	
Endrin	ug/Kg 4.8 U	3.8 U	3.7 U	3.9 U	3.8 U	3.8 U	4 U	4.5 U	
Endosulfan II	ug/Kg 4.8 U	3.8 U	3.7 U	3.9 U	3.8 U	3.8 U	4 U	4.5 U	
4,4'-DDD	ug/Kg 4.8 U	3.8 U	3.7 U	3.9 U	3.8 U	3.8 U	4 U	4.5 U	
Endosulfan sulfate	ug/Kg 4.8 U	3.8 U	3.7 U	3.9 U	3.8 U	2.1 J	4 U	4.5 U	
4,4'-DDT	ug/Kg 4.8 U	3.8 U	3.7 U	3.9 U	6.3 J	9.4	4 U	4.2 J	
Methoxychlor	ug/Kg 25 U	20 U	19 U	20 U	20 U	20 U	21 U	23 U	
Endrin ketone	ug/Kg 4.8 U	3.8 U	3.7 U	3.9 U	3.8 U	3.8 U	4 U	4.5 U	
Endrin aldehyde	ug/Kg 4.8 U	3.8 U	3.7 U	3.9 U	3.8 U	3.8 U	4 U	4.5 U	
alpha-Chlordane	ug/Kg 2.5 U	2 U	1.9 U	2 U	1.4 J	2.1 J	2.1 U	1.9 J	
gamma-Chlordane	ug/Kg 2.5 U	2 U	1.9 U	2 U	2 U	2 U	2.1 U	2.3 U	
Toxaphene	ug/Kg 250 U	200 U	190 U	200 U	200 U	200 U	210 U	230 U	
Aroclor-1016	ug/Kg 48 U	38 U	37 U	39 U	38 U	38 U	40 U	45 U	
Aroclor-1221	ug/Kg 97 U	78 U	74 U	80 U	78 U	78 U	82 U	91 U	
Aroclor-1232	ug/Kg 48 U	38 U	37 U	39 U	38 U	38 U	40 U	45 U	
Aroclor-1242	ug/Kg 46 U	38 U	37 U	39 U	38 U	38 U	40 U	45 U	
Aroclor-1248	ug/Kg 48 U	38 U	37 U	39 U	38 U	38 U	40 U	45 U	
Aroclor-1254	ug/Kg 48 U	38 U	37 U	39 U	72 J	38 U	40 U	45 U	
Aroclor-1260	ug/Kg 48 U	38 U	37 U	39 U	38 U	38 U	40 U	45 U	
METALS									
Aluminum	mg/Kg 16700	14900	9480	16100	12200	9870	19100	17200	
Antimony	mg/Kg 0.27 J	0.22 J	0.2 UJ	0.26 UJ	0.27 J	0.44 J	0.39 J	0.32 UJ	
Arsenic	mg/Kg 4.4	4.5	4.2	4.8	5.4	5	6	4.9	
Barium	mg/Kg 114	105	80.8	86.7	105	82.2	158	182	
Beryllium	mg/Kg 0.67 J	0.61 J	0.4 J	0.74 J	0.62 J	0.49 J	0.87 J	0.83 J	
Cadmium	mg/Kg 0.2 J	0.11 J	0.12 J	0.46 J	0.5 J	0.69 J	0.69 J	0.73 J	
Calcium	mg/Kg 3580	79000	77800	6810	5940	139000	12000	20100	
Chromium	mg/Kg 19.5	22.5	14.8	22.2	18.7	15.1	24.8	23.2	
Cobalt	mg/Kg 7.5 J	10.4 J	9.7 J	10.7	9.5	7.5	11	12.8	
Copper	mg/Kg 16.5	20.3	20.5	22	21.3	21.5	29.7	24.5	
Iron	mg/Kg 20500	24400	18700	26000	24000	16800	27300	27300	
Lead	mg/Kg 17.5	9.3	8.5	12.8	21.3	40.9	19.1	12	
Magnesium	mg/Kg 3590	15600	20900	4760	4730	12900	6660	5010	
Manganese	mg/Kg 438	528	411	594	824	627	863	1380	
Mercury	mg/Kg 0.04	0.01 J	0.02 J	4 J	0.05 J	0.62 J	0.13 J	0.06 J	
Nickel	mg/Kg 18.7	32.3	25.9	27.8	27.2	22	30.1	30.2	
Potassium	mg/Kg 1780 J	3160 J	1970 J	1620 J	1390 J	2090 J	2520 J	2040 J	
Selenium	mg/Kg 0.81	0.38 U	0.34 U	1	1.1	0.41 J	1.2	2	
Silver	mg/Kg 0.11 U	0.15 U	0.14 U	0.1 UJ	0.09 UJ	0.07 UJ	0.11 UJ	0.12 UJ	
Sodium	mg/Kg 25.1 U	112 J	107 J	19.9 U	26.4 J	111 J	39.4 J	26.1 J	
Thallium	mg/Kg 0.48 J	0.34 U	0.32 U	0.38 U	0.34 U	0.28 U	0.41 U	0.47 U	
Vanadium	mg/Kg 28.2	24.8	16.5	26.5	22.7	20.9	31.8	27.8	
Zinc	mg/Kg 64.8	82	60.1	70.5	70.5	72.8	100	86.8	
Cyanide	mg/Kg 0.64 U	0.5 U	0.54 U	0.55 U	0.48 U	0.53 U	0.58 U	0.67 U	
OTHER ANALYSES									
Nitrate/Nitrite-Nitrogen	mg/Kg								
Total Petroleum Hydrocarbons	mg/Kg								
Fluoride	mg/Kg								
pH	standard units								
Total Solids	%W/W	68.9	85.5	90.2	83.8	86.4	86.3	82	73.5

SENECA ARMY DEPOT
SEAD-67 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

MATRIX LOCATION	WATER SEAD-67	WATER SEAD-67	WATER SEAD-67
SAMPLE DATE	07/07/94	07/10/94	07/08/94
ES ID	MW67-1	MW67-2	MW67-3
LAB ID	226307	226488	226308
SDG NUMBER	45257	45282	45257
COMPOUND	UNITS		
VOLATILE ORGANICS			
Chloromethane	ug/L	10 U	10 U
Bromomethane	ug/L	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U
Chloroethane	ug/L	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U
Acetone	ug/L	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U
Chloroform	ug/L	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U
2-Butanone	ug/L	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U
Trichloroethene	ug/L	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U
Benzene	ug/L	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U
Bromoform	ug/L	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U
2-Hexanone	ug/L	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U
Toluene	ug/L	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U
Styrene	ug/L	10 U	10 U
Xylene (total)	ug/L	10 U	10 U
HERBICIDES			
2,4-D	ug/L		
2,4-DB	ug/L		
2,4,5-T	ug/L		
2,4,5-TP (Silvex)	ug/L		
Dalapon	ug/L		
Dicamba	ug/L		
Dichloroprop	ug/L		
Dinoseb	ug/L		
MCPA	ug/L		
MCPP	ug/L		
NITROAROMATICS			
HMX	ug/L		
RDX	ug/L		
1,3,5-Trinitrobenzene	ug/L		
1,3-Dinitrobenzene	ug/L		
Tetryl	ug/L		
2,4,6-Trinitrotoluene	ug/L		
4-amino-2,6-Dinitrotoluene	ug/L		
2-amino-4,6-Dinitrotoluene	ug/L		
2,6-Dinitrotoluene	ug/L		
2,4-Dinitrotoluene	ug/L		

NOTES:
NR stands for NOT RECORDED

SENECA ARMY DEPOT
SEAD-67 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER	WATER SEAD-67 07/07/94 MW67-1 226307 45257	WATER SEAD-67 07/10/94 MW67-2 226488 45282	WATER SEAD-67 07/08/94 MW67-3 226308 45257
COMPOUND	UNITS		
SEMIVOLATILE ORGANICS			
Phenol	ug/L	11 U	10 U
bis(2-Chloroethyl) ether	ug/L	11 U	10 U
2-Chlorophenol	ug/L	11 U	10 U
1,3-Dichlorobenzene	ug/L	11 U	10 U
1,4-Dichlorobenzene	ug/L	11 U	10 U
1,2-Dichlorobenzene	ug/L	11 U	10 U
2-Methylphenol	ug/L	11 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	11 U	10 U
4-Methylphenol	ug/L	11 U	10 U
N-Nitroso-di-n-propylamine	ug/L	11 U	10 U
Hexachloroethane	ug/L	11 U	10 U
Nitrobenzene	ug/L	11 U	10 U
Isophorone	ug/L	11 U	10 U
2-Nitrophenol	ug/L	11 U	10 U
2,4-Dimethylphenol	ug/L	11 U	10 U
bis(2-Chloroethoxy) methane	ug/L	11 U	10 U
2,4-Dichlorophenol	ug/L	11 U	10 U
1,2,4-Trichlorobenzene	ug/L	11 U	10 U
Naphthalene	ug/L	11 U	10 U
4-Chloroaniline	ug/L	11 U	10 U
Hexachlorobutadiene	ug/L	11 U	10 U
4-Chloro-3-methylphenol	ug/L	11 U	10 U
2-Methylnaphthalene	ug/L	11 U	10 U
Hexachlorocyclopentadiene	ug/L	11 U	10 U
2,4,6-Trichlorophenol	ug/L	11 U	10 U
2,4,5-Trichlorophenol	ug/L	28 U	25 U
2-Chloronaphthalene	ug/L	11 U	10 U
2-Nitroaniline	ug/L	28 U	25 U
Dimethylphthalate	ug/L	11 U	10 U
Acenaphthylene	ug/L	11 U	10 U
2,6-Dinitrotoluene	ug/L	11 U	10 U
3-Nitroaniline	ug/L	28 U	25 U
Acenaphthene	ug/L	11 U	10 U
2,4-Dinitrophenol	ug/L	28 U	25 U
4-Nitrophenol	ug/L	28 U	25 U
Dibenzofuran	ug/L	11 U	10 U
2,4-Dinitrotoluene	ug/L	11 U	10 U
Diethylphthalate	ug/L	11 U	10 U
4-Chlorophenyl-phenylether	ug/L	11 U	10 U
Fluorene	ug/L	11 U	10 U
4-Nitroaniline	ug/L	28 U	25 U
4,6-Dinitro-2-methylphenol	ug/L	28 U	25 U
N-Nitrosodiphenylamine	ug/L	11 U	10 U
4-Bromophenyl-phenylether	ug/L	11 U	10 U
Hexachlorobenzene	ug/L	11 U	10 U
Pentachlorophenol	ug/L	28 U	25 U
Phenanthrene	ug/L	11 U	10 U
Anthracene	ug/L	11 U	10 U
Carbazole	ug/L	11 U	10 U
Di-n-butylphthalate	ug/L	11 U	10 U
Fluoranthene	ug/L	11 U	10 U
Pyrene	ug/L	11 U	10 U
Butylbenzylphthalate	ug/L	11 U	10 U
3,3'-Dichlorobenzidine	ug/L	11 U	10 U
Benzo(a)anthracene	ug/L	11 U	10 U
Chrysene	ug/L	11 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	11 U	13 U
Di-n-octylphthalate	ug/L	11 U	10 U
Benzo(b)fluoranthene	ug/L	11 U	10 U
Benzo(k)fluoranthene	ug/L	11 U	10 U
Benzo(a)pyrene	ug/L	11 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	10 U
Dibenz(a,h)anthracene	ug/L	11 U	10 U
Benzo(g,h,i)perylene	ug/L	11 U	10 U

SENECA ARMY DEPOT
SEAD-67 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER
	LOCATION	SEAD-67	SEAD-67	SEAD-67
	SAMPLE DATE	07/07/94	07/10/94	07/08/94
	ES ID	MW67-1	MW67-2	MW67-3
	LAB ID	226307	226488	226308
	SDG NUMBER	45257	45282	45257
	UNITS			
PESTICIDES/PCB				
alpha-BHC	ug/L	0.052 U	0.052 U	0.056 U
beta-BHC	ug/L	0.052 U	0.052 U	0.056 U
delta-BHC	ug/L	0.052 U	0.052 U	0.056 U
gamma-BHC (Lindane)	ug/L	0.052 U	0.052 U	0.056 U
Heptachlor	ug/L	0.052 U	0.052 U	0.056 U
Aldrin	ug/L	0.052 U	0.052 U	0.056 U
Heptachlor epoxide	ug/L	0.052 U	0.052 U	0.056 U
Endosulfan I	ug/L	0.052 U	0.052 U	0.056 U
Dieldrin	ug/L	0.1 U	0.1 U	0.11 U
4,4'-DDE	ug/L	0.1 U	0.1 U	0.11 U
Endrin	ug/L	0.1 U	0.1 U	0.11 U
Endosulfan II	ug/L	0.1 U	0.1 U	0.11 U
4,4'-DDD	ug/L	0.1 U	0.1 U	0.11 U
Endosulfan sulfate	ug/L	0.1 U	0.1 U	0.11 U
4,4'-DDT	ug/L	0.1 U	0.1 U	0.11 U
Methoxychlor	ug/L	0.52 U	0.52 U	0.56 U
Endrin ketone	ug/L	0.1 U	0.1 U	0.11 U
Endrin aldehyde	ug/L	0.1 U	0.1 U	0.11 U
alpha-Chlordane	ug/L	0.052 U	0.052 U	0.056 U
gamma-Chlordane	ug/L	0.052 U	0.052 U	0.056 U
Toxaphene	ug/L	5.2 U	5.2 U	5.6 U
Aroclor-1016	ug/L	1 U	1 U	1.1 U
Aroclor-1221	ug/L	2.1 U	2.1 U	2.3 U
Aroclor-1232	ug/L	1 U	1 U	1.1 U
Aroclor-1242	ug/L	1 U	1 U	1.1 U
Aroclor-1248	ug/L	1 U	1 U	1.1 U
Aroclor-1254	ug/L	1 U	1 U	1.1 U
Aroclor-1260	ug/L	1 U	1 U	1.1 U
METALS				
Aluminum	ug/L	5790	1240	448
Antimony	ug/L	1.3 U	1.3 U	1.3 U
Arsenic	ug/L	2.5 J	2 U	2 U
Barium	ug/L	203	100 J	98.9 J
Beryllium	ug/L	0.72 J	0.1 U	0.1 U
Cadmium	ug/L	0.2 U	0.2 U	0.2 U
Calcium	ug/L	351000	119000	122000
Chromium	ug/L	10	2 J	0.9 J
Cobalt	ug/L	12.3 J	1.4 J	1.3 J
Copper	ug/L	13.1 J	1.5 J	2 J
Iron	ug/L	10800	2270	689
Lead	ug/L	8.3	0.9 U	0.9 U
Magnesium	ug/L	51800	24200	24000
Manganese	ug/L	1710	153	194
Mercury	ug/L	0.09 J	0.04 U	0.06 J
Nickel	ug/L	15.9 J	2.9 J	2.2 J
Potassium	ug/L	5740	1870 J	1670 J
Selenium	ug/L	2.7 U	2.7 U	2.7 U
Silver	ug/L	0.5 U	0.5 U	0.5 U
Sodium	ug/L	4240 J	13700	4970 J
Thallium	ug/L	2 J	1.9 U	1.9 U
Vanadium	ug/L	9.2 J	2.1 J	0.86 J
Zinc	ug/L	29.6	6.5 J	6.7 J
Cyanide	ug/L	5 U	5 U	5 U
OTHER ANALYSES				
Nitrate/Nitrite - Nitrogen	mg/L			
Total Petroleum Hydrocarbons	mg/L			
pH	Standard Units	7.2	7	7
Conductivity	umhos/cm	520	490	440
Temperature	°C	14.9	12	11.9
Turbidity	NTU	>1000	90	NR

SENECA ARMY DEPOT
SEAD-67 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER
	LOCATION	SEAD-67	SEAD-67	SEAD-67
	SAMPLE DATE	04/26/94	04/26/94	04/26/94
	ES ID	SW67-1	SW67-1RE	SW67-2
	LAB ID	219464	219464	219465
	SDG NUMBER	43810	43810	43810
	UNITS			
VOLATILE ORGANICS				
Chloromethane	ug/L	10 UJ	10 U R	10 U
Bromomethane	ug/L	10 UJ	10 U R	10 U
Vinyl Chloride	ug/L	10 UJ	10 U R	10 U
Chloroethane	ug/L	10 UJ	10 U R	10 U
Methylene Chloride	ug/L	10 UJ	10 U R	10 U
Acetone	ug/L	10 UJ	10 U R	10 U
Carbon Disulfide	ug/L	10 UJ	10 U R	10 U
1,1-Dichloroethene	ug/L	10 UJ	10 U R	10 U
1,1-Dichloroethane	ug/L	10 UJ	10 U R	10 U
1,2-Dichloroethene (total)	ug/L	10 UJ	10 U R	10 U
Chloroform	ug/L	10 UJ	10 U R	10 U
1,2-Dichloroethane	ug/L	10 UJ	10 U R	10 U
2-Butanone	ug/L	10 UJ	10 U R	10 U
1,1,1-Trichloroethane	ug/L	10 UJ	10 U R	10 U
Carbon Tetrachloride	ug/L	10 UJ	10 U R	10 U
Bromodichloromethane	ug/L	10 UJ	10 U R	10 U
1,2-Dichloropropane	ug/L	10 UJ	10 U R	10 U
cis-1,3-Dichloropropene	ug/L	10 UJ	10 U R	10 U
Trichloroethene	ug/L	10 UJ	10 U R	10 U
Dibromochloromethane	ug/L	10 UJ	10 U R	10 U
1,1,2-Trichloroethane	ug/L	10 UJ	10 U R	10 U
Benzene	ug/L	10 UJ	10 U R	10 U
trans-1,3-Dichloropropene	ug/L	10 UJ	10 U R	10 U
Bromoform	ug/L	10 UJ	10 U R	10 U
4-Methyl-2-Pentanone	ug/L	10 UJ	10 U R	10 U
2-Hexanone	ug/L	10 UJ	10 U R	10 U
Tetrachloroethene	ug/L	10 UJ	10 U R	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 UJ	10 U R	10 U
Toluene	ug/L	10 UJ	10 U R	10 U
Chlorobenzene	ug/L	10 UJ	10 U R	10 U
Ethylbenzene	ug/L	10 UJ	10 U R	10 U
Styrene	ug/L	10 UJ	10 U R	10 U
Xylene (total)	ug/L	10 UJ	10 U R	10 U
HERBICIDES				
2,4-D	ug/L			
2,4-DB	ug/L			
2,4,5-T	ug/L			
2,4,5-TP (Silvex)	ug/L			
Dalapon	ug/L			
Dicamba	ug/L			
Dichloroprop	ug/L			
Dinoseb	ug/L			
MCPA	ug/L			
MCPP	ug/L			
NITROAROMATICS				
HMX	ug/L			
RDX	ug/L			
1,3,5-Trinitrobenzene	ug/L			
1,3-Dinitrobenzene	ug/L			
Tetryl	ug/L			
2,4,6-Trinitrotoluene	ug/L			
4-amino-2,6-Dinitrotoluene	ug/L			
2-amino-4,6-Dinitrotoluene	ug/L			
2,6-Dinitrotoluene	ug/L			
2,4-Dinitrotoluene	ug/L			

SENECA ARMY DEPOT
SEAD-67 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-67 04/26/94 SW67-1 219464 43810	WATER SEAD-67 04/26/94 SW67-1RE 219464 43810	WATER SEAD-67 04/26/94 SW67-2 219465 43810
SEMIVOLATILE ORGANICS				
Phenol	ug/L	10 U		11 U
bis(2-Chloroethyl) ether	ug/L	10 U		11 U
2-Chlorophenol	ug/L	10 U		11 U
1,3-Dichlorobenzene	ug/L	10 U		11 U
1,4-Dichlorobenzene	ug/L	10 U		11 U
1,2-Dichlorobenzene	ug/L	10 U		11 U
2-Methylphenol	ug/L	10 U		11 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U		11 U
4-Methylphenol	ug/L	10 U		11 U
N-Nitroso-d-n-propylamine	ug/L	10 U		11 U
Hexachloroethane	ug/L	10 U		11 U
Nitrobenzene	ug/L	10 U		11 U
Isophorone	ug/L	10 U		11 U
2-Nitrophenol	ug/L	10 U		11 U
2,4-Dimethylphenol	ug/L	10 U		11 U
bis(2-Chloroethoxy) methane	ug/L	10 U		11 U
2,4-Dichlorophenol	ug/L	10 U		11 U
1,2,4-Trichlorobenzene	ug/L	10 U		11 U
Naphthalene	ug/L	10 U		11 U
4-Chloroaniline	ug/L	10 U		11 U
Hexachlorobutadiene	ug/L	10 U		11 U
4-Chloro-3-methylphenol	ug/L	10 U		11 U
2-Methylnaphthalene	ug/L	10 U		11 U
Hexachlorocyclopentadiene	ug/L	10 U		11 U
2,4,6-Trichlorophenol	ug/L	10 U		11 U
2,4,5-Trichlorophenol	ug/L	26 U		27 U
2-Chloronaphthalene	ug/L	10 U		11 U
2-Nitroaniline	ug/L	26 U		27 U
Dimethyl phthalate	ug/L	10 U		11 U
Acenaphthylene	ug/L	10 U		11 U
2,6-Dinitrotoluene	ug/L	10 U		11 U
3-Nitroaniline	ug/L	26 U		27 U
Acenaphthene	ug/L	10 U		11 U
2,4-Dinitrophenol	ug/L	26 U		27 U
4-Nitrophenol	ug/L	26 U		27 U
Dibenzofuran	ug/L	10 U		11 U
2,4-Dinitrotoluene	ug/L	10 U		11 U
Diethylphthalate	ug/L	10 U		11 U
4-Chlorophenyl-phenylether	ug/L	10 U		11 U
Fluorene	ug/L	10 U		11 U
4-Nitroaniline	ug/L	26 U		27 U
4,6-Dinitro-2-methylphenol	ug/L	26 U		27 U
N-Nitrosodiphenylamine	ug/L	10 U		11 U
4-Bromophenyl-phenylether	ug/L	10 U		11 U
Hexachlorobenzene	ug/L	10 U		11 U
Pentachlorophenol	ug/L	26 U		27 U
Phenanthrene	ug/L	10 U		11 U
Anthracene	ug/L	10 U		11 U
Carbazole	ug/L	10 U		11 U
Di-n-butylphthalate	ug/L	10 U		11 U
Fluoranthene	ug/L	10 U		11 U
Pyrene	ug/L	10 U		11 U
Butylbenzyl phthalate	ug/L	10 U		11 U
3,3'-Dichlorobenzidine	ug/L	10 U		11 U
Benzo(a)anthracene	ug/L	10 U		11 U
Chrysene	ug/L	10 U		11 U
bis(2-Ethylhexyl)phthalate	ug/L	11 U		11 U
Di-n-octylphthalate	ug/L	10 U		11 U
Benzo(b)fluoranthene	ug/L	10 U		11 U
Benzo(k)fluoranthene	ug/L	10 U		11 U
Benzo(a)pyrene	ug/L	10 U		11 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U		11 U
Dibenz(a,h)anthracene	ug/L	10 U		11 U
Benzo(g,h,i)perylene	ug/L	10 U		11 U

SENECA ARMY DEPOT
SEAD-67 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER
	LOCATION	SEAD-67	SEAD-67	SEAD-67
	SAMPLE DATE	04/26/94	04/26/94	04/26/94
	ES ID	SW67-1	SW67-1RE	SW67-2
	LAB ID	219464	219464	219465
	SDG NUMBER	43810	43810	43810
	UNITS			
PESTICIDES/PCB				
alpha-BHC	ug/L	0.054 U		0.054 U
beta-BHC	ug/L	0.054 U		0.054 U
delta-BHC	ug/L	0.054 U		0.054 U
gamma-BHC (Lindane)	ug/L	0.054 U		0.054 U
Heptachlor	ug/L	0.054 U		0.054 U
Aldrin	ug/L	0.054 U		0.054 U
Heptachlor epoxide	ug/L	0.054 U		0.054 U
Endosulfan I	ug/L	0.054 U		0.054 U
Dieldrin	ug/L	0.11 U		0.11 U
4,4'-DDE	ug/L	0.11 U		0.11 U
Endrin	ug/L	0.11 U		0.11 U
Endosulfan II	ug/L	0.11 U		0.11 U
4,4'-DDD	ug/L	0.11 U		0.11 U
Endosulfan sulfate	ug/L	0.11 U		0.11 U
4,4'-DDT	ug/L	0.11 U		0.11 U
Methoxychlor	ug/L	0.54 U		0.54 U
Endrin ketone	ug/L	0.11 U		0.11 U
Endrin aldehyde	ug/L	0.11 U		0.11 U
alpha-Chlordane	ug/L	0.054 U		0.054 U
gamma-Chlordane	ug/L	0.054 U		0.054 U
Toxaphene	ug/L	5.4 U		5.4 U
Aroclor-1016	ug/L	1.1 U		1.1 U
Aroclor-1221	ug/L	2.1 U		2.2 U
Aroclor-1232	ug/L	1.1 U		1.1 U
Aroclor-1242	ug/L	1.1 U		1.1 U
Aroclor-1246	ug/L	1.1 U		1.1 U
Aroclor-1254	ug/L	1.1 U		1.1 U
Aroclor-1260	ug/L	1.1 U		1.1 U
METALS				
Aluminum	ug/L	129 J		38.1 J
Antimony	ug/L	1 U		0.99 U
Arsenic	ug/L	1.5 U		1.5 U
Barium	ug/L	45.8 J		45.6 J
Beryllium	ug/L	0.06 U		0.06 U
Cadmium	ug/L	0.1 U		0.1 U
Calcium	ug/L	77100		75900
Chromium	ug/L	0.4 U		0.4 U
Cobalt	ug/L	0.6 U		0.6 U
Copper	ug/L	1.1 J		0.86 J
Iron	ug/L	369		84.6 J
Lead	ug/L	0.8 U		0.79 U
Magnesium	ug/L	14100		14700
Manganese	ug/L	161		37.7
Mercury	ug/L	0.03 U		0.03 U
Nickel	ug/L	0.6 U		0.6 U
Potassium	ug/L	1160 J		1120 J
Selenium	ug/L	1.7 U		1.7 U
Silver	ug/L	0.7 U		0.7 U
Sodium	ug/L	5830		7860
Thallium	ug/L	1.6 U		2.1 J
Vanadium	ug/L	0.7 U		0.7 U
Zinc	ug/L	2.4 J		3.3 J
Cyanide	ug/L	5 U		5 U
OTHER ANALYSES				
Nitrate/Nitrite - Nitrogen	mg/L			
Total Petroleum Hydrocarbons	mg/L			
pH	Standard Units	7.9		7.5
Conductivity	umhos/cm	445		440
Temperature	°C	21.4		22.7
Turbidity	NTU	1.4		1.6

SENECA ARMY DEPOT
SEAD-67 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SOIL SEAD-67 0-0.2 04/26/94 SD67-1 219450 43663	SOIL SEAD-67 0-0.2 04/26/94 SD67-2 219451 43663
VOLATILE ORGANICS			
Chloromethane	ug/Kg	26 UJ	20 UJ
Bromomethane	ug/Kg	26 UJ	20 UJ
Vinyl Chloride	ug/Kg	26 UJ	20 UJ
Chloroethane	ug/Kg	26 UJ	20 UJ
Methylene Chloride	ug/Kg	26 UJ	20 UJ
Acetone	ug/Kg	53 J	28 UJ
Carbon Disulfide	ug/Kg	26 UJ	20 UJ
1,1-Dichloroethene	ug/Kg	26 UJ	20 UJ
1,1-Dichloroethane	ug/Kg	26 UJ	20 UJ
1,2-Dichloroethene (total)	ug/Kg	26 UJ	20 UJ
Chloroform	ug/Kg	26 UJ	20 UJ
1,2-Dichloroethane	ug/Kg	26 UJ	20 UJ
2-Butanone	ug/Kg	21 J	20 UJ
1,1,1-Trichloroethane	ug/Kg	26 UJ	20 UJ
Carbon Tetrachloride	ug/Kg	26 UJ	20 UJ
Bromodichloromethane	ug/Kg	26 UJ	20 UJ
1,2-Dichloropropane	ug/Kg	26 UJ	20 UJ
cis-1,3-Dichloropropene	ug/Kg	26 UJ	20 UJ
Trichloroethene	ug/Kg	26 UJ	20 UJ
Dibromochloromethane	ug/Kg	26 UJ	20 UJ
1,1,2-Trichloroethane	ug/Kg	26 UJ	20 UJ
Benzene	ug/Kg	26 UJ	20 UJ
trans-1,3-Dichloropropene	ug/Kg	26 UJ	20 UJ
Bromoform	ug/Kg	26 UJ	20 UJ
4-Methyl-2-Pentanone	ug/Kg	26 UJ	20 UJ
2-Hexanone	ug/Kg	26 UJ	20 UJ
Tetrachloroethene	ug/Kg	26 UJ	20 UJ
1,1,2,2-Tetrachloroethane	ug/Kg	26 UJ	20 UJ
Toluene	ug/Kg	26 UJ	20 UJ
Chlorobenzene	ug/Kg	26 UJ	20 UJ
Ethylbenzene	ug/Kg	26 UJ	20 UJ
Styrene	ug/Kg	26 UJ	20 UJ
Xylene (total)	ug/Kg	26 UJ	20 UJ
HERBICIDES			
2,4-D	ug/Kg		
2,4-DB	ug/Kg		
2,4,5-T	ug/Kg		
2,4,5-TP (Sivex)	ug/Kg		
Daapron	ug/Kg		
Dicamba	ug/Kg		
Dichloroprop	ug/Kg		
Dinoseb	ug/Kg		
MCPA	ug/Kg		
MCPP	ug/Kg		
NITROAROMATICS			
HMX	ug/Kg		
RDX	ug/Kg		
1,3,5-Trinitrobenzene	ug/Kg		
1,3-Dinitrobenzene	ug/Kg		
Tetryl	ug/Kg		
2,4,6-Trinitrotoluene	ug/Kg		
4-amino-2,6-Dinitrotoluene	ug/Kg		
2-amino-4,6-Dinitrotoluene	ug/Kg		
2,6-Dinitrotoluene	ug/Kg		
2,4-Dinitrotoluene	ug/Kg		

SENECA ARMY DEPOT
SEAD-67 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-67 0-0.2 04/26/94 SD67-1 219450 43663	SOIL SEAD-67 0-0.2 04/26/94 SD67-2 219451 43663
COMPOUND		
SEMIVOLATILE ORGANICS		
Phenol	ug/Kg 820 UJ	670 UJ
bis(2-Chloroethyl) ether	ug/Kg 820 UJ	670 UJ
2-Chlorophenol	ug/Kg 820 UJ	670 UJ
1,3-Dichlorobenzene	ug/Kg 820 UJ	670 UJ
1,4-Dichlorobenzene	ug/Kg 820 UJ	670 UJ
1,2-Dichlorobenzene	ug/Kg 820 UJ	670 UJ
2-Methylphenol	ug/Kg 820 UJ	670 UJ
2,2'-oxybis(1-Chloropropane)	ug/Kg 820 UJ	670 UJ
4-Methylphenol	ug/Kg 820 UJ	670 UJ
N-Nitroso-di-n-propylamine	ug/Kg 820 UJ	670 UJ
Hexachloroethane	ug/Kg 820 UJ	670 UJ
Nitrobenzene	ug/Kg 820 UJ	670 UJ
Isophorone	ug/Kg 820 UJ	670 UJ
2-Nitrophenol	ug/Kg 820 UJ	670 UJ
2,4-Dimethylphenol	ug/Kg 820 UJ	670 UJ
bis(2-Chloroethoxy) methane	ug/Kg 820 UJ	670 UJ
2,4-Dichlorophenol	ug/Kg 820 UJ	670 UJ
1,2,4-Trichlorobenzene	ug/Kg 820 UJ	670 UJ
Naphthalene	ug/Kg 820 UJ	670 UJ
4-Chloroaniline	ug/Kg 820 UJ	670 UJ
Hexachlorobutadiene	ug/Kg 820 UJ	670 UJ
4-Chloro-3-methylphenol	ug/Kg 820 UJ	670 UJ
2-Methylnaphthalene	ug/Kg 820 UJ	670 UJ
Hexachlorocyclopentadiene	ug/Kg 820 UJ	670 UJ
2,4,6-Trichlorophenol	ug/Kg 820 UJ	670 UJ
2,4,5-Trichlorophenol	ug/Kg 2000 UJ	1600 UJ
2-Chloronaphthalene	ug/Kg 820 UJ	670 UJ
2-Nitroaniline	ug/Kg 2000 UJ	1600 UJ
Dimethylphthalate	ug/Kg 820 UJ	670 UJ
Acenaphthylene	ug/Kg 820 UJ	54 J
2,6-Dinitrotoluene	ug/Kg 820 UJ	670 UJ
3-Nitroaniline	ug/Kg 2000 UJ	1600 UJ
Acenaphthene	ug/Kg 820 UJ	120 J
2,4-Dinitrophenol	ug/Kg 2000 UJ	1600 UJ
4-Nitrophenol	ug/Kg 2000 UJ	1600 UJ
Dibenzofuran	ug/Kg 820 UJ	83 J
2,4-Dinitrotoluene	ug/Kg 820 UJ	670 UJ
Diethylphthalate	ug/Kg 820 UJ	670 UJ
4-Chlorophenyl-phenylether	ug/Kg 820 UJ	670 UJ
Fluorene	ug/Kg 820 UJ	270 J
4-Nitroaniline	ug/Kg 2000 UJ	1600 UJ
4,6-Dinitro-2-methylphenol	ug/Kg 2000 UJ	1600 UJ
N-Nitrosodiphenylamine	ug/Kg 820 UJ	670 UJ
4-Bromophenyl-phenylether	ug/Kg 820 UJ	670 UJ
Hexachlorobenzene	ug/Kg 820 UJ	670 UJ
Pentachlorophenol	ug/Kg 2000 UJ	1600 UJ
Phenanthrene	ug/Kg 260 J	2400
Anthracene	ug/Kg 820 UJ	600 J
Carbazole	ug/Kg 820 UJ	78 J
Di-n-butylphthalate	ug/Kg 820 UJ	670 UJ
Fluoranthene	ug/Kg 440 J	3400
Pyrene	ug/Kg 370 J	3000
Butylbenzylphthalate	ug/Kg 820 UJ	670 UJ
3,3'-Dichlorobenzidine	ug/Kg 820 UJ	670 UJ
Benzo(a)anthracene	ug/Kg 180 J	1400
Chrysene	ug/Kg 220 J	1300
bis(2-Ethylhexyl)phthalate	ug/Kg 820 UJ	670 UJ
Di-n-octylphthalate	ug/Kg 820 UJ	670 UJ
Benzo(b)fluoranthene	ug/Kg 180 J	880
Benzo(k)fluoranthene	ug/Kg 160 J	930
Benzo(a)pyrene	ug/Kg 170 J	970
Indeno(1,2,3-cd)pyrene	ug/Kg 98 J	460 J
Dibenz(a,h)anthracene	ug/Kg 820 UJ	230 J
Benzo(g,h,i)perylene	ug/Kg 87 J	370 J

SENECA ARMY DEPOT
SEAD-67 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

MATRIX LOCATION DEPTH FEET SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-67 0-0.2 04/26/94 SD67-1 219450 43663	SOIL SEAD-67 0-0.2 04/26/94 SD67-2 219451 43663
COMPOUND UNITS		
PESTICIDES/PCB		
alpha-BHC	ug/Kg 4.2 UJ	3.5 UJ
beta-BHC	ug/Kg 4.2 UJ	3.5 UJ
delta-BHC	ug/Kg 4.2 UJ	3.5 UJ
gamma-BHC (Lindane)	ug/Kg 4.2 UJ	3.5 UJ
Heptachlor	ug/Kg 4.2 UJ	3.5 UJ
Aldrin	ug/Kg 4.2 UJ	3.5 UJ
Heptachlor epoxide	ug/Kg 4.2 UJ	3.5 UJ
Endosulfan I	ug/Kg 4.2 UJ	20 J
Dieldrin	ug/Kg 8.2 UJ	6.7 UJ
4,4'-DDE	ug/Kg 8.2 UJ	6.7 UJ
Endrin	ug/Kg 8.2 UJ	6.7 UJ
Endosulfan II	ug/Kg 8.2 UJ	6.7 UJ
4,4'-DDD	ug/Kg 8.2 UJ	6.7 UJ
Endosulfan sulfate	ug/Kg 8.2 UJ	6.7 UJ
4,4'-DDT	ug/Kg 8.2 UJ	4.1 J
Methoxychlor	ug/Kg 42 UJ	35 UJ
Endrin ketone	ug/Kg 6.2 UJ	6.7 UJ
Endrin aldehyde	ug/Kg 8.2 UJ	6.7 UJ
alpha-Chlordane	ug/Kg 4.8 J	3.6 J
gamma-Chlordane	ug/Kg 4.2 UJ	3.5 UJ
Toxaphene	ug/Kg 420 UJ	350 UJ
Aroclor-1016	ug/Kg 82 UJ	67 UJ
Aroclor-1221	ug/Kg 170 UJ	140 UJ
Aroclor-1232	ug/Kg 82 UJ	67 UJ
Aroclor-1242	ug/Kg 82 UJ	67 UJ
Aroclor-1248	ug/Kg 82 UJ	67 UJ
Aroclor-1254	ug/Kg 82 UJ	67 UJ
Aroclor-1260	ug/Kg 82 UJ	67 UJ
METALS		
Aluminum	mg/Kg 12000 J	10700 J
Antimony	mg/Kg 0.41 UJ	0.36 UJ
Arsenic	mg/Kg 3.7 J	4.2 J
Barium	mg/Kg 95.6 J	92.7 J
Beryllium	mg/Kg 0.58 J	0.56 J
Cadmium	mg/Kg 0.37 J	0.34 J
Calcium	mg/Kg 6620 J	13200 J
Chromium	mg/Kg 18 J	16.4 J
Cobalt	mg/Kg 8 J	8.3 J
Copper	mg/Kg 37.7 J	22.6 J
Iron	mg/Kg 16900 J	19800 J
Lead	mg/Kg 15.4 J	17.8 J
Magnesium	mg/Kg 4160 J	5030 J
Manganese	mg/Kg 413 J	731 J
Mercury	mg/Kg 0.15 J R	0.13 J R
Nickel	mg/Kg 22.6 J	23.2 J
Potassium	mg/Kg 1650 J	1330 J
Selenium	mg/Kg 0.89 UJ	0.6 UJ
Silver	mg/Kg 1.7 J	1.1 J
Sodium	mg/Kg 84.5 J	107 J
Thallium	mg/Kg 0.65 UJ	0.57 UJ
Vanadium	mg/Kg 20.4 J	18.8 J
Zinc	mg/Kg 65.4 J	76.5 J
Cyanide	mg/Kg 1.2 UJ	0.84 UJ
OTHER ANALYSES		
Nitrate/Nitrite - Nitrogen	mg/Kg	
Total Petroleum Hydrocarbons	mg/Kg	
Fluoride	mg/Kg	
pH	standard units	
Total Solids	%W/W 40.1	48.9

SENECA ARMY DEPOT
SEAD-70 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-70 0-0.2 05/11/94 MW70-1.00 221049 44090	SOIL SEAD-70 2-4 05/11/94 MW70-1.02 221050 44090	SOIL SEAD-70 4-6 05/11/94 MW70-1.03 221051 44090	SOIL SEAD-70 0-0.2 02/22/94 SB70-1.01 212426 42510	SOIL SEAD-70 2-4 02/22/94 SB70-1.02 212427 42510	SOIL SEAD-70 4-6 02/22/94 SB70-1.03 212428 42510	SOIL SEAD-70 0-0.2 02/21/94 SB70-2.01 212077 42510	SOIL SEAD-70 4-6 02/21/94 SB70-2.03 212078 42510	SOIL SEAD-70 8-10 02/21/94 SB70-2.05 212078 42510	SOIL SEAD-70 0-0.2 02/21/94 SB70-3.01 212430 42510
VOLATILE ORGANICS										
Chloromethane	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Bromomethane	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Vinyl Chloride	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Chloroethane	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Methylene Chloride	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Acetone	14 U	14 U	11 U	11 U	79	35 U	62	11 U	11 U	12 U
Carbon Disulfide	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
1,1-Dichloroethane	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
1,1-Dichloroethane	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
1,2-Dichloroethane (total)	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Chloroform	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
1,2-Dichloroethane	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
2-Butanone	14 U	12 U	11 U	11 U	36	17 U	15 U	11 U	11 U	12 U
1,1,1-Trichloroethane	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Carbon Tetrachloride	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Bromodichloromethane	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
1,2-Dichloropropane	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
cis-1,3-Dichloropropene	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Trichloroethene	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Dibromochloromethane	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
1,1,2-Trichloroethane	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Benzene	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
trans-1,3-Dichloropropene	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Bromoform	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
4-Methyl-2-Pentanone	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
2-Hexanone	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Tetrachloroethene	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
1,1,2,2-Tetrachloroethane	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Toluene	14 U	12 U	11 U	11 U	3 J	11 U	15 U	11 U	11 U	12 U
Chlorobenzene	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Ethylbenzene	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Styrene	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Xylene (total)	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
HERBICIDES										
2,4-D	ug/Kg									
2,4-DB	ug/Kg									
2,4,5-T	ug/Kg									
2,4,5-TP (Silvex)	ug/Kg									
Dalapon	ug/Kg									
Dicamba	ug/Kg									
Dichloroprop	ug/Kg									
Dinoseb	ug/Kg									
MCPA	ug/Kg									
MCPP	ug/Kg									
NITROAROMATICS										
HMX	ug/Kg									
RDX	ug/Kg									
1,3,5-Trinitrobenzene	ug/Kg									
1,3-Dinitrobenzene	ug/Kg									
Tetryl	ug/Kg									
2,4,6-Trinitrotoluene	ug/Kg									
4-amino-2,6-Dinitrotoluene	ug/Kg									
2-amino-4,6-Dinitrotoluene	ug/Kg									
2,6-Dinitrotoluene	ug/Kg									
2,4-Dinitrotoluene	ug/Kg									

SENECA ARMY DEPOT
SEAD-70 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-70 0-0.2 05/11/94 MW70-1.00 221049 44090	SOIL SEAD-70 2-4 05/11/94 MW70-1.02 221050 44090	SOIL SEAD-70 4-6 05/11/94 MW70-1.03 221051 44090	SOIL SEAD-70 0-0.2 02/22/94 SB70-1.01 212426 42510	SOIL SEAD-70 2-4 02/22/94 SB70-1.02 212427 42510	SOIL SEAD-70 4-6 02/22/94 SB70-1.03 212428 42510	SOIL SEAD-70 0-0.2 02/21/94 SB70-2.01 212077 42510	SOIL SEAD-70 4-6 02/21/94 SB70-2.03 212078 42510	SOIL SEAD-70 8-10 02/21/94 SB70-2.05 212078 42510	SOIL SEAD-70 0-0.2 02/21/94 SB70-3.01 212430 42510
COMPOUND										
SEMIVOLATILE ORGANICS										
Phenol	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
bis(2-Chloroethyl) ether	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2-Chlorophenol	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
1,3-Dichlorobenzene	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
1,4-Dichlorobenzene	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
1,2-Dichlorobenzene	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2-Methylphenol	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2,2'-oxybis(1-Chloropropane)	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
4-Methylphenol	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
N-Nitroso-di-n-propylamine	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Hexachloroethane	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Nitrobenzene	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Isophorone	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2-Nitrophenol	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2,4-Dimethylphenol	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
bis(2-Chloroethoxy) methane	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2,4-Dichlorophenol	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
1,2,4-Trichlorobenzene	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Naphthalene	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
4-Chloroaniline	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Hexachlorobutadiene	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
4-Chloro-3-methylphenol	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2-Methylnaphthalene	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Hexachlorocyclopentadiene	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2,4,8-Trichlorophenol	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2,4,5-Trichlorophenol	ug/Kg 1200 U	960 U	890 U	940 U	910 U	960 U	1200 U	870 U	880 U	1100 U
2-Chloronaphthalene	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2-Nitroaniline	ug/Kg 1200 U	960 U	890 U	940 U	910 U	960 U	1200 U	870 U	880 U	1100 U
Dimethylphthalate	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Acenaphthylene	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2,6-Dinitrotoluene	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
3-Nitroaniline	ug/Kg 1200 U	960 U	890 U	940 U	910 U	960 U	1200 U	870 U	880 U	1100 U
Acenaphthene	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2,4-Dinitrophenol	ug/Kg 1200 U	960 U	890 U	940 U	910 U	960 U	1200 U	870 U	880 U	1100 U
4-Nitrophenol	ug/Kg 1200 U	960 U	890 U	940 U	910 U	960 U	1200 U	870 U	880 U	1100 U
Dibenzofuran	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2,4-Dinitrotoluene	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Diethylphthalate	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
4-Chlorophenyl-phenylether	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Fluorene	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
4-Nitroaniline	ug/Kg 1200 U	960 U	890 U	940 U	910 U	960 U	1200 U	870 U	880 U	1100 U
4,6-Dinitro-2-methylphenol	ug/Kg 1200 U	960 U	890 U	940 U	910 U	960 U	1200 U	870 U	880 U	1100 U
N-Nitrosodiphenylamine	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
4-Bromophenyl-phenylether	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Hexachlorobenzene	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Pentachlorophenol	ug/Kg 1200 U	960 U	890 U	940 U	910 U	960 U	1200 U	870 U	880 U	1100 U
Phenanthrene	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Anthracene	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Carbazole	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Di-n-butylphthalate	ug/Kg 490 U	400 U	370 U	35 J	28 J	35 J	29 J	360 U	360 U	45 J
Fluoranthene	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Pyrene	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Butylbenzylphthalate	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
3,3'-Dichlorobenzidine	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Benzo(a)anthracene	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Chrysene	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
bis(2-Ethylhexyl)phthalate	ug/Kg 78 J	550	610	21 J	27 J	73 J	550	43 J	66 J	48 J
Di-n-octylphthalate	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Benzo(f)fluoranthene	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Benzo(k)fluoranthene	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Benzo(a)pyrene	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Indeno(1,2,3-cd)pyrene	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Dibenz(a,h)anthracene	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Benzo(g,h,i)perylene	ug/Kg 490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U

SENECA ARMY DEPOT
SEAD-70 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION	SOIL SEAD-70	SOIL SEAD-70	SOIL SEAD-70	SOIL SEAD-70	SOIL SEAD-70	SOIL SEAD-70	SOIL SEAD-70	SOIL SEAD-70	SOIL SEAD-70	SOIL SEAD-70	SOIL SEAD-70
DEPTH (FEET)	0-0.2	2-4	4-8	0-0.2	2-4	4-8	0-0.2	2-4	4-8	6-10	0-0.2
SAMPLE DATE	05/11/94	05/11/94	05/11/94	02/22/94	02/22/94	02/22/94	02/21/94	02/21/94	02/21/94	02/21/94	02/21/94
ES ID	MW70-1.00	MW70-1.02	MW70-1.03	SB70-1.01	SB70-1.02	SB70-1.03	SB70-2.01	SB70-2.03	SB70-2.05	SB70-2.05	SB70-3.01
LAB ID	221049	221050	221051	212426	212427	212428	212429	212077	212078	212430	212430
SDG NUMBER	44090	44090	44090	42510	42510	42510	42510	42510	42510	42510	42510
COMPOUND UNITS											
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2.5 U	2 U	1.9 U	2 U	1.9 U	2 U	2.6 U	1.8 U	1.9 U	2.2 U
beta-BHC	ug/Kg	2.5 U	2 U	1.9 U	2 U	1.9 U	2 U	2.6 U	1.8 U	1.9 U	2.2 U
delta-BHC	ug/Kg	2.5 U	2 U	1.9 U	2 U	1.9 U	2 U	2.6 U	1.8 U	1.9 U	2.2 U
gamma-BHC (Lindane)	ug/Kg	2.5 U	2 U	1.9 U	2 U	1.9 U	2 U	2.6 U	1.8 U	1.9 U	2.2 U
Heptachlor	ug/Kg	2.5 U	2 U	1.9 U	2 U	1.9 U	2 U	2.6 U	1.8 U	1.9 U	2.2 U
Aldrin	ug/Kg	2.5 U	2 U	1.9 U	2 U	1.9 U	2 U	2.6 U	1.8 U	1.9 U	2.2 U
Heptachlor epoxide	ug/Kg	2.5 U	2 U	1.9 U	2 U	1.9 U	2 U	2.6 U	1.8 U	1.9 U	2.2 U
Endosulfan I	ug/Kg	2.5 U	2 U	1.9 U	2 U	1.9 U	2 U	2.6 U	1.8 U	1.9 U	2.2 U
Dieldrin	ug/Kg	4.9 U	4 U	3.7 U	3.9 U	3.7 U	4 U	5 U	3.6 U	3.6 U	4.3 U
4,4'-DDE	ug/Kg	4.9 U	4 U	3.7 U	3.9 U	3.7 U	4 U	5 U	3.6 U	3.6 U	4.3 U
Endrin	ug/Kg	4.9 U	4 U	3.7 U	3.9 U	3.7 U	4 U	5 U	3.6 U	3.6 U	4.3 U
Endosulfan II	ug/Kg	4.9 U	4 U	3.7 U	3.9 U	3.7 U	4 U	5 U	3.6 U	3.6 U	4.3 U
4,4'-DDD	ug/Kg	4.9 U	4 U	3.7 U	3.9 U	3.7 U	4 U	5 U	3.6 U	3.6 U	4.3 U
Endosulfan sulfate	ug/Kg	4.9 U	4 U	3.7 U	3.9 U	3.7 U	4 U	5 U	3.6 U	3.6 U	4.3 U
4,4'-DDT	ug/Kg	4.9 U	4 U	3.7 U	3.9 U	3.7 U	4 U	5 U	3.6 U	3.6 U	4.3 U
Methoxychlor	ug/Kg	25 U	20 U	19 U	20 U	19 U	20 U	26 U	18 U	19 U	22 U
Endrin ketone	ug/Kg	4.9 U	4 U	3.7 U	3.9 U	3.7 U	4 U	5 U	3.6 U	3.6 U	4.3 U
Endrin aldehyde	ug/Kg	4.9 U	4 U	3.7 U	3.9 U	3.7 U	4 U	5 U	3.6 U	3.6 U	4.3 U
alpha-Chlordane	ug/Kg	2.5 U	2 U	1.9 U	2 U	1.9 U	2 U	2.6 U	1.8 U	1.9 U	2.2 U
gamma-Chlordane	ug/Kg	2.5 U	2 U	1.9 U	2 U	1.9 U	2 U	2.6 U	1.8 U	1.9 U	2.2 U
Toxaphene	ug/Kg	250 U	200 U	190 U	200 U	190 U	200 U	260 U	180 U	190 U	220 U
Aroclor-1016	ug/Kg	49 U	40 U	37 U	39 U	37 U	40 U	50 U	37 U	36 U	43 U
Aroclor-1221	ug/Kg	99 U	81 U	74 U	79 U	76 U	81 U	100 U	73 U	74 U	88 U
Aroclor-1232	ug/Kg	49 U	40 U	37 U	39 U	37 U	40 U	50 U	36 U	36 U	43 U
Aroclor-1242	ug/Kg	49 U	40 U	37 U	39 U	37 U	40 U	50 U	36 U	36 U	43 U
Aroclor-1248	ug/Kg	49 U	40 U	37 U	39 U	37 U	40 U	50 U	36 U	36 U	43 U
Aroclor-1254	ug/Kg	49 U	40 U	37 U	39 U	37 U	40 U	50 U	36 U	36 U	43 U
Aroclor-1260	ug/Kg	49 U	40 U	37 U	39 U	37 U	40 U	50 U	36 U	36 U	43 U
METALS											
Aluminum	mg/Kg	12200	9480	11000	12400	15600	18600	15800	11600	12900	9340
Antimony	mg/Kg	0.23 UJ	0.21 UJ	0.19 UJ	0.36 J	0.45 J	0.39 J	0.59 J	0.47 J	0.41 J	0.19 J
Arsenic	mg/Kg	5.4	4.1	5.7	3.5 J	4.8 J	4.5 J	88.5 J	4.5 J	4.5 J	6.9 J
Barium	mg/Kg	87.5	58.6	79.9	55.9	91.7	170	106	42.1	55.8	40.5
Beryllium	mg/Kg	0.44 J	0.41 J	0.54 J	0.6 J	0.77 J	0.81 J	0.73 J	0.54 J	0.62 J	0.44 J
Cadmium	mg/Kg	0.57 J	0.43 J	0.8 J	0.05 J	0.07 J	0.14 J	0.24 J	0.23 J	0.12 J	0.07 J
Calcium	mg/Kg	3600	51600	48600	15000	6150	4300	4260	55500	31700	22500
Chromium	mg/Kg	13.7	14.7	17.6	21.3	26.2	25.3	21.1	19	21.9	15.3
Cobalt	mg/Kg	5.5 J	7.1 J	21	11.9	15	13.1	8.5 J	10.8	12.3	8.4
Copper	mg/Kg	12.4	19.7	33.5	22.9	35.2	22.5	18.9	28.8	28.7	17.9
Iron	mg/Kg	17700	16000	26400	26300	32200	30300	24700	23300	26700	16900
Lead	mg/Kg	20.7	9.1	13.6	17.2 J	22.1 J	11.4 J	17.9 J	9.5 J	4.2 J	8.9 J
Magnesium	mg/Kg	2830	13600	7960	5070	6150	5560	4070	8260	8360	5490
Manganese	mg/Kg	233	470	1040	465	425	669	367	439	390	299
Mercury	mg/Kg	0.1	0.03 J	0.02 J	0.04 J	0.04 J	0.04 J	0.05 J	0.02 J	0.02 J	0.02 J
Nickel	mg/Kg	12.3	17.8	52.4	39.3	47.4	36	22	30.6	34	24.6
Potassium	mg/Kg	982 J	1590	1350	1170	1300	1400	1730	1750	1420	1260
Selenium	mg/Kg	1 J	0.64 J	0.32 U	0.32 J	0.48 J	0.89 J	0.95	0.25 U	0.24 U	0.58 J
Silver	mg/Kg	0.16 UJ	0.14 UJ	0.13 UJ	0.1 U	0.12 U	0.15 U	0.12 U	0.1 U	0.1 U	0.11 U
Sodium	mg/Kg	36.4 U	126 J	165 J	30.3 J	34.7 J	34.9 U	27.9 U	61.8 J	89.5 J	47.1 J
Thallium	mg/Kg	0.37 U	0.33 U	0.31 U	0.19 U	0.2 U	0.2 U	0.3 U	0.22 U	0.2 U	0.18 U
Vanadium	mg/Kg	23.3	17.2	17.6	16.4	21.7	26.9	26.7	17.3	17.7	13.9
Zinc	mg/Kg	55.4	42.4	116	46.4	76.8	79.2	75.1	78.6	67.1	53.4
Cyanide	mg/Kg	0.64 U	0.59 U	0.48 U	0.56 U	0.56 U	0.6 U	0.73 U	0.53 U	0.51 U	0.64 U
OTHER ANALYSES											
Nitrate/Nitrite - Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	88.5	83.3	90.2	84.8	88.3	82.6	85.7	92.2	91.2	76.3

SENECA ARMY DEPOT
SEAD-70 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL
	LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SEAD-70 4-6 02/21/94 SB70-3.03 212431 42510	SEAD-70 8-10 02/21/94 SB70-3.05 212432 42510
VOLATILE ORGANICS			
Chloromethane	ug/Kg	11 U	11 U
Bromomethane	ug/Kg	11 U	11 U
Vinyl Chloride	ug/Kg	11 U	11 U
Chloroethane	ug/Kg	11 U	11 U
Methylene Chloride	ug/Kg	11 U	11 U
Acetone	ug/Kg	11 U	11 U
Carbon Disulfide	ug/Kg	11 U	11 U
1,1-Dichloroethane	ug/Kg	11 U	11 U
1,1-Dichloroethane	ug/Kg	11 U	11 U
1,2-Dichloroethane (total)	ug/Kg	11 U	11 U
Chloroform	ug/Kg	11 U	11 U
1,2-Dichloroethane	ug/Kg	11 U	11 U
2-Butanone	ug/Kg	11 U	11 U
1,1,1-Trichloroethane	ug/Kg	11 U	11 U
Carbon Tetrachloride	ug/Kg	11 U	11 U
Bromodichloromethane	ug/Kg	11 U	11 U
1,2-Dichloropropane	ug/Kg	11 U	11 U
cis-1,3-Dichloropropene	ug/Kg	11 U	11 U
Trichloroethene	ug/Kg	11 U	11 U
Dibromochloromethane	ug/Kg	11 U	11 U
1,1,2-Trichloroethane	ug/Kg	11 U	11 U
Benzene	ug/Kg	11 U	11 U
trans-1,3-Dichloropropene	ug/Kg	11 U	11 U
Bromoform	ug/Kg	11 U	11 U
4-Methyl-2-Pentanone	ug/Kg	11 U	11 U
2-Hexanone	ug/Kg	11 U	11 U
Tetrachloroethene	ug/Kg	11 U	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	11 U	11 U
Toluene	ug/Kg	11 U	11 U
Chlorobenzene	ug/Kg	11 U	11 U
Ethylbenzene	ug/Kg	11 U	11 U
Styrene	ug/Kg	11 U	11 U
Xylene (total)	ug/Kg	11 U	11 U
HERBICIDES			
2,4-D	ug/Kg		
2,4-DB	ug/Kg		
2,4,5-T	ug/Kg		
2,4,5-TP (Silvex)	ug/Kg		
Dalapon	ug/Kg		
Dicamba	ug/Kg		
Dichloroprop	ug/Kg		
Dinoseb	ug/Kg		
MCPA	ug/Kg		
MCPB	ug/Kg		
NITROAROMATICS			
HMX	ug/Kg		
RDX	ug/Kg		
1,3,5-Trinitrobenzene	ug/Kg		
1,3-Dinitrobenzene	ug/Kg		
Tetryl	ug/Kg		
2,4,6-Trinitrotoluene	ug/Kg		
4-amino-2,6-Dinitrotoluene	ug/Kg		
2-amino-4,6-Dinitrotoluene	ug/Kg		
2,6-Dinitrotoluene	ug/Kg		
2,4-Dinitrotoluene	ug/Kg		

SENECA ARMY DEPOT
SEAD-70 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-70 4-6 02/21/94 SB70-3.03 212431 42510	SOIL SEAD-70 8-10 02/21/94 SB70-3.05 212432 42510	
COMPOUND SEMIVOLATILE ORGANICS	UNITS	UNITS	
Phenol	ug/Kg	370 U	360 U
bis(2-Chloroethyl) ether	ug/Kg	370 U	360 U
2-Chlorophenol	ug/Kg	370 U	360 U
1,3-Dichlorobenzene	ug/Kg	370 U	360 U
1,4-Dichlorobenzene	ug/Kg	370 U	360 U
1,2-Dichlorobenzene	ug/Kg	370 U	360 U
2-Methylphenol	ug/Kg	370 U	360 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	370 U	360 U
4-Methylphenol	ug/Kg	370 U	360 U
N-Nitroso-d-n-propylamine	ug/Kg	370 U	360 U
Hexachloroethane	ug/Kg	370 U	360 U
Nitrobenzene	ug/Kg	370 U	360 U
Isophorone	ug/Kg	370 U	360 U
2-Nitrophenol	ug/Kg	370 U	360 U
2,4-Dimethylphenol	ug/Kg	370 U	360 U
bis(2-Chloroethoxy) methane	ug/Kg	370 U	360 U
2,4-Dichlorophenol	ug/Kg	370 U	360 U
1,2,4-Trichlorobenzene	ug/Kg	370 U	360 U
Naphthalene	ug/Kg	370 U	360 U
4-Chloroaniline	ug/Kg	370 U	360 U
Hexachlorobutadiene	ug/Kg	370 U	360 U
4-Chloro-3-methylphenol	ug/Kg	370 U	360 U
2-Methylnaphthalene	ug/Kg	370 U	360 U
Hexachlorocyclopentadiene	ug/Kg	370 U	360 U
2,4,6-Trichlorophenol	ug/Kg	370 U	360 U
2,4,5-Trichlorophenol	ug/Kg	890 U	880 U
2-Chloronaphthalene	ug/Kg	370 U	360 U
2-Nitroaniline	ug/Kg	890 U	880 U
Dimethylphthalate	ug/Kg	370 U	360 U
Acenaphthylene	ug/Kg	370 U	360 U
2,6-Dinitrotoluene	ug/Kg	370 U	360 U
3-Nitroaniline	ug/Kg	890 U	880 U
Acenaphthene	ug/Kg	370 U	360 U
2,4-Dinitrophenol	ug/Kg	890 U	880 U
4-Nitrophenol	ug/Kg	890 U	880 U
Dibenzofuran	ug/Kg	370 U	360 U
2,4-Dinitrotoluene	ug/Kg	370 U	360 U
Diethylphthalate	ug/Kg	370 U	360 U
4-Chlorophenyl-phenylether	ug/Kg	370 U	360 U
Fluorene	ug/Kg	370 U	360 U
4-Nitroaniline	ug/Kg	890 U	880 U
4,6-Dinitro-2-methylphenol	ug/Kg	890 U	880 U
N-Nitrosodiphenylamine	ug/Kg	370 U	360 U
4-Bromophenyl-phenylether	ug/Kg	370 U	360 U
Hexachlorobenzene	ug/Kg	370 U	360 U
Pentachlorophenol	ug/Kg	890 U	880 U
Phenanthrene	ug/Kg	370 U	360 U
Anthracene	ug/Kg	370 U	360 U
Carbazole	ug/Kg	370 U	360 U
Di-n-butylphthalate	ug/Kg	51 J	25 J
Fluoranthene	ug/Kg	370 U	360 U
Pyrene	ug/Kg	370 U	360 U
Butylbenzylphthalate	ug/Kg	370 U	360 U
3,3'-Dichlorobenzidine	ug/Kg	370 U	360 U
Benzo(a)anthracene	ug/Kg	370 U	360 U
Chrysene	ug/Kg	370 U	360 U
bis(2-Ethylhexyl)phthalate	ug/Kg	89 J	48 J
Di-n-octylphthalate	ug/Kg	370 U	360 U
Benzo(b)fluoranthene	ug/Kg	370 U	360 U
Benzo(k)fluoranthene	ug/Kg	370 U	360 U
Benzo(a)pyrene	ug/Kg	370 U	360 U
Indeno(1,2,3-cd)pyrene	ug/Kg	370 U	360 U
Dibenz(a,h)anthracene	ug/Kg	370 U	360 U
Benzo(g,h,i)perylene	ug/Kg	370 U	360 U

SENECA ARMY DEPOT
SEAD-70 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL
	LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SEAD-70 4-6 02/21/94 SB70-3.03 212431 42510	SEAD-70 8-10 02/21/94 SB70-3.05 212432 42510
PESTICIDES/PCB			
alpha-BHC	ug/Kg	1.9 U	1.9 U
beta-BHC	ug/Kg	1.9 U	1.9 U
delta-BHC	ug/Kg	1.9 U	1.9 U
gamma-BHC (Lindane)	ug/Kg	1.9 U	1.9 U
Heptachlor	ug/Kg	1.9 U	1.9 U
Aldrin	ug/Kg	1.9 U	1.9 U
Heptachlor epoxide	ug/Kg	1.9 U	1.9 U
Endosulfan I	ug/Kg	1.9 U	1.9 U
Dieldrin	ug/Kg	3.7 U	3.6 U
4,4'-DDE	ug/Kg	3.7 U	3.6 U
Endrin	ug/Kg	3.7 U	3.6 U
Endosulfan II	ug/Kg	3.7 U	3.6 U
4,4'-DDD	ug/Kg	3.7 U	3.6 U
Endosulfan sulfate	ug/Kg	3.7 U	3.6 U
4,4'-DDT	ug/Kg	3.7 U	3.6 U
Methoxychlor	ug/Kg	19 U	19 U
Endrin ketone	ug/Kg	3.7 U	3.6 U
Endrin aldehyde	ug/Kg	3.7 U	3.6 U
alpha-Chlordane	ug/Kg	1.9 U	1.9 U
gamma-Chlordane	ug/Kg	1.9 U	1.9 U
Toxaphene	ug/Kg	190 U	190 U
Aroclor-1016	ug/Kg	37 U	36 U
Aroclor-1221	ug/Kg	74 U	74 U
Aroclor-1232	ug/Kg	37 U	36 U
Aroclor-1242	ug/Kg	37 U	36 U
Aroclor-1248	ug/Kg	37 U	36 U
Aroclor-1254	ug/Kg	37 U	36 U
Aroclor-1260	ug/Kg	37 U	36 U
METALS			
Aluminum	mg/Kg	11000	11400
Antimony	mg/Kg	0.45 J	0.25 J
Arsenic	mg/Kg	4 J	3.9 J
Barium	mg/Kg	74.8	50.4
Beryllium	mg/Kg	0.53 J	0.55 J
Cadmium	mg/Kg	0.18 J	0.13 J
Calcium	mg/Kg	59100	37300
Chromium	mg/Kg	18	19.7
Cobalt	mg/Kg	10.5	12.1
Copper	mg/Kg	24.2	17.2
Iron	mg/Kg	22800	24800
Lead	mg/Kg	8.1 J	5.3 J
Magnesium	mg/Kg	11000	8170
Manganese	mg/Kg	441	414
Mercury	mg/Kg	0.02 J	0.02 UJ
Nickel	mg/Kg	30.4	30.8
Potassium	mg/Kg	1680	1260
Selenium	mg/Kg	0.31 U	0.49 J
Silver	mg/Kg	0.13 U	0.13 U
Sodium	mg/Kg	84.5 J	89.1 J
Thallium	mg/Kg	0.18 U	0.21 U
Vanadium	mg/Kg	16.8	16
Zinc	mg/Kg	67.8	73
Cyanide	mg/Kg	0.55 U	0.53 U
OTHER ANALYSES			
Nitrate/Nitrite - Nitrogen	mg/Kg		
Total Petroleum Hydrocarbons	mg/Kg		
Total Solids	%W/W	90.3	90.9

SENECA ARMY DEPOT
SEAD-70 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

MATRIX LOCATION	WATER SEAD-70	WATER SEAD-70	WATER SEAD-70	WATER SEAD-70
SAMPLE DATE	07/07/94	07/07/94	07/08/94	07/08/94
ES ID	MW70-1	MW70-2	MW70-3	MW70-4
LAB ID	226309	226310	226389	226390
SDG NUMBER	45257	45257	45257	45257
COMPOUND	UNITS			
VOLATILE ORGANICS				
Chloromethane	ug/L	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U
Acetone	ug/L	10 U	11	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U
HERBICIDES				
2,4-D	ug/L			
2,4-DB	ug/L			
2,4,5-T	ug/L			
2,4,5-TP (Silvex)	ug/L			
Dalapon	ug/L			
Dicamba	ug/L			
Dichloroprop	ug/L			
Dinoseb	ug/L			
MCPA	ug/L			
MCPP	ug/L			
NITROAROMATICS				
HMX	ug/L			
RDX	ug/L			
1,3,5-Trinitrobenzene	ug/L			
1,3-Dinitrobenzene	ug/L			
Tetryl	ug/L			
2,4,6-Trinitrotoluene	ug/L			
4-amino-2,6-Dinitrotoluene	ug/L			
2-amino-4,6-Dinitrotoluene	ug/L			
2,6-Dinitrotoluene	ug/L			
2,4-Dinitrotoluene	ug/L			

SENECA ARMY DEPOT
SEAD-70 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

MATRIX LOCATION	WATER	WATER	WATER	WATER	
SAMPLE DATE	SEAD-70	SEAD-70	SEAD-70	SEAD-70	
ES ID	07/07/94	07/07/94	07/08/94	07/08/94	
LAB ID	MW70-1	MW70-2	MW70-3	MW70-4	
SDG NUMBER	226309	226310	226389	226390	
COMPOUND	45257	45257	45257	45257	
SEMIVOLATILE ORGANICS	UNITS				
Phenol	ug/L	11 U	10 U	11 U	10 U
bis(2-Chloroethyl) ether	ug/L	11 U	10 U	11 U	10 U
2-Chlorophenol	ug/L	11 U	10 U	11 U	10 U
1,3-Dichlorobenzene	ug/L	11 U	10 U	11 U	10 U
1,4-Dichlorobenzene	ug/L	11 U	10 U	11 U	10 U
1,2-Dichlorobenzene	ug/L	11 U	10 U	11 U	10 U
2-Methylphenol	ug/L	11 U	10 U	11 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	11 U	10 U	11 U	10 U
4-Methylphenol	ug/L	11 U	10 U	11 U	10 U
N-Nitroso-di-n-propylamine	ug/L	11 U	10 U	11 U	10 U
Hexachloroethane	ug/L	11 U	10 U	11 U	10 U
Nitrobenzene	ug/L	11 U	10 U	11 U	10 U
Isophorone	ug/L	11 U	10 U	11 U	10 U
2-Nitrophenol	ug/L	11 U	10 U	11 U	10 U
2,4-Dimethylphenol	ug/L	11 U	10 U	11 U	10 U
bis(2-Chloroethoxy) methane	ug/L	11 U	10 U	11 U	10 U
2,4-Dichlorophenol	ug/L	11 U	10 U	11 U	10 U
1,2,4-Trichlorobenzene	ug/L	11 U	10 U	11 U	10 U
Naphthalene	ug/L	11 U	10 U	11 U	10 U
4-Chloroaniline	ug/L	11 U	10 U	11 U	10 U
Hexachlorobutadiene	ug/L	11 U	10 U	11 U	10 U
4-Chloro-3-methylphenol	ug/L	11 U	10 U	11 U	10 U
2-Methylnaphthalene	ug/L	11 U	10 U	11 U	10 U
Hexachlorocyclopentadiene	ug/L	11 U	10 U	11 U	10 U
2,4,6-Trichlorophenol	ug/L	11 U	10 U	11 U	10 U
2,4,5-Trichlorophenol	ug/L	28 U	25 U	28 U	25 U
2-Chloronaphthalene	ug/L	11 U	10 U	11 U	10 U
2-Nitroaniline	ug/L	28 U	25 U	28 U	25 U
Dimethylphthalate	ug/L	11 U	10 U	11 U	10 U
Acenaphthylene	ug/L	11 U	10 U	11 U	10 U
2,6-Dinitrotoluene	ug/L	11 U	10 U	11 U	10 U
3-Nitroaniline	ug/L	28 U	25 U	28 U	25 U
Acenaphthene	ug/L	11 U	10 U	11 U	10 U
2,4-Dinitrophenol	ug/L	28 U	25 U	28 U	25 U
4-Nitrophenol	ug/L	28 U	25 U	28 U	25 U
Dibenzofuran	ug/L	11 U	10 U	11 U	10 U
2,4-Dinitrotoluene	ug/L	11 U	10 U	11 U	10 U
Diethylphthalate	ug/L	11 U	10 U	11 U	10 U
4-Chlorophenyl-phenylether	ug/L	11 U	10 U	11 U	10 U
Fluorene	ug/L	11 U	10 U	11 U	10 U
4-Nitroaniline	ug/L	28 U	25 U	28 U	25 U
4,6-Dinitro-2-methylphenol	ug/L	28 U	25 U	28 U	25 U
N-Nitrosodiphenylamine	ug/L	11 U	10 U	11 U	10 U
4-Bromophenyl-phenylether	ug/L	11 U	10 U	11 U	10 U
Hexachlorobenzene	ug/L	11 U	10 U	11 U	10 U
Pentachlorophenol	ug/L	28 U	25 U	28 U	25 U
Phenanthrene	ug/L	11 U	10 U	11 U	10 U
Anthracene	ug/L	11 U	10 U	11 U	10 U
Carbazole	ug/L	11 U	10 U	11 U	10 U
Di-n-butylphthalate	ug/L	11 U	10 U	11 U	10 U
Fluoranthene	ug/L	11 U	10 U	11 U	10 U
Pyrene	ug/L	11 U	10 U	11 U	10 U
Butylbenzylphthalate	ug/L	11 U	10 U	11 U	10 U
3,3'-Dichlorobenzidine	ug/L	11 U	10 U	11 U	10 U
Benzo(a)anthracene	ug/L	11 U	10 U	11 U	10 U
Chrysene	ug/L	11 U	10 U	11 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	16 U	10 U	11 U	10 U
Di-n-octylphthalate	ug/L	11 U	10 U	11 U	10 U
Benzo(b)fluoranthene	ug/L	11 U	10 U	11 U	10 U
Benzo(k)fluoranthene	ug/L	11 U	10 U	11 U	10 U
Benzo(a)pyrene	ug/L	11 U	10 U	11 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	10 U	11 U	10 U
Dibenz(a,h)anthracene	ug/L	11 U	10 U	11 U	10 U
Benzo(g,h,i)perylene	ug/L	11 U	10 U	11 U	10 U

SENECA ARMY DEPOT
SEAD-70 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER
	LOCATION	SEAD-70	SEAD-70	SEAD-70	SEAD-70
	SAMPLE DATE	07/07/94	07/07/94	07/08/94	07/08/94
	ES ID	MW70-1	MW70-2	MW70-3	MW70-4
	LAB ID	226309	226310	226389	226390
	SDG NUMBER	45257	45257	45257	45257
	UNITS				
PESTICIDES/PCB					
alpha-BHC	ug/L	0.051 U	0.054 U	0.052 UJ	0.054 U
beta-BHC	ug/L	0.051 U	0.054 U	0.052 UJ	0.054 U
delta-BHC	ug/L	0.051 U	0.054 U	0.052 UJ	0.054 U
gamma-BHC (Lindane)	ug/L	0.051 U	0.054 U	0.052 UJ	0.054 U
Heptachlor	ug/L	0.051 U	0.054 U	0.052 UJ	0.054 U
Aldrin	ug/L	0.051 U	0.054 U	0.052 UJ	0.054 U
Heptachlor epoxide	ug/L	0.051 U	0.054 U	0.052 UJ	0.054 U
Endosulfan I	ug/L	0.051 U	0.054 U	0.052 UJ	0.054 U
Dieldrin	ug/L	0.1 U	0.11 U	0.1 UJ	0.11 U
4,4'-DDE	ug/L	0.1 U	0.11 U	0.1 UJ	0.11 U
Endrin	ug/L	0.1 U	0.11 U	0.1 UJ	0.11 U
Endosulfan II	ug/L	0.1 U	0.11 U	0.1 UJ	0.11 U
4,4'-DDD	ug/L	0.1 U	0.11 U	0.1 UJ	0.11 U
Endosulfan sulfate	ug/L	0.1 U	0.11 U	0.1 UJ	0.11 U
4,4'-DDT	ug/L	0.1 U	0.11 U	0.1 UJ	0.11 U
Methoxychlor	ug/L	0.51 U	0.54 U	0.52 UJ	0.54 U
Endrin ketone	ug/L	0.1 U	0.11 U	0.1 UJ	0.11 U
Endrin aldehyde	ug/L	0.1 U	0.11 U	0.1 UJ	0.11 U
alpha-Chlordane	ug/L	0.051 U	0.054 U	0.052 UJ	0.054 U
gamma-Chlordane	ug/L	0.051 U	0.054 U	0.052 UJ	0.054 U
Toxaphene	ug/L	5.1 U	5.4 U	5.2 UJ	5.4 U
Aroclor-1016	ug/L	1 U	1.1 U	1 UJ	1.1 U
Aroclor-1221	ug/L	2 U	2.1 U	2.1 UJ	2.2 U
Aroclor-1232	ug/L	1 U	1.1 U	1 UJ	1.1 U
Aroclor-1242	ug/L	1 U	1.1 U	1 UJ	1.1 U
Aroclor-1248	ug/L	1 U	1.1 U	1 UJ	1.1 U
Aroclor-1254	ug/L	1 U	1.1 U	1 UJ	1.1 U
Aroclor-1260	ug/L	1 U	1.1 U	1 UJ	1.1 U
METALS					
Aluminum	ug/L	88.2 J	1260	229	32.1 J
Antimony	ug/L	1.3 U	1.3 U	1.3 U	1.3 U
Arsenic	ug/L	2 U	2 U	2 U	2 U
Barium	ug/L	86.5 J	165 J	130 J	152 J
Beryllium	ug/L	0.1 U	0.1 U	0.1 U	0.1 U
Cadmium	ug/L	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	ug/L	119000	213000	180000	171000
Chromium	ug/L	0.4 U	2.9 J	0.4 U	0.4 U
Cobalt	ug/L	0.5 U	1.7 J	0.79 J	1.6 J
Copper	ug/L	0.5 U	4.1 J	0.5 U	0.5 U
Iron	ug/L	213	2140	284	78.7 J
Lead	ug/L	0.9 U	0.9 U	0.9 U	0.89 U
Magnesium	ug/L	28100	51400	40800	41000
Manganese	ug/L	107	192	60.2	519
Mercury	ug/L	0.06 J	0.07 J	0.09 J	0.04 J
Nickel	ug/L	1.5 J	4.5 J	0.82 J	1.8 J
Potassium	ug/L	1540 J	2330 J	1250 J	6380
Selenium	ug/L	2.7 U	2.7 U	2.7 U	2.7 U
Silver	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
Sodium	ug/L	5220	13700	8700	17800
Thallium	ug/L	1.9 U	1.9 U	2 J	1.9 U
Vanadium	ug/L	0.5 U	2.6 J	0.73 J	0.6 J
Zinc	ug/L	3.5 J	16.5 J	5.6 J	4.2 J
Cyanide	ug/L	5 U	5 U	5 U	5 U
OTHER ANALYSES					
Nitrate/Nitrite - Nitrogen	mg/L				
Total Petroleum Hydrocarbons	mg/L				
pH	Standard Units	8.2	7.1	8.2	8.1
Conductivity	umhos/cm	590	1010	850	875
Temperature	°C	13.8	15.8	15.3	16
Turbidity	NTU	26.7	329	54.6	2.8

SENECA ARMY DEPOT
SEAD-70 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

MATRIX LOCATION	WATER SEAD-70	WATER SEAD-70
SAMPLE DATE	04/27/94	04/27/94
ES ID	SW70-1	SW70-2
LAB ID	219466	219467
SDG NUMBER	43810	43810
COMPOUND		
UNITS		
VOLATILE ORGANICS		
Chloromethane	ug/L	10 U
Bromomethane	ug/L	10 U
Vinyl Chloride	ug/L	10 U
Chloroethane	ug/L	10 U
Methylene Chloride	ug/L	10 U
Acetone	ug/L	10 U
Carbon Disulfide	ug/L	10 U
1,1-Dichloroethene	ug/L	10 U
1,1-Dichloroethane	ug/L	10 U
1,2-Dichloroethene (total)	ug/L	10 U
Chloroform	ug/L	10 U
1,2-Dichloroethane	ug/L	10 U
2-Butanone	ug/L	10 U
1,1,1-Trichloroethane	ug/L	10 U
Carbon Tetrachloride	ug/L	10 U
Bromodichloromethane	ug/L	10 U
1,2-Dichloropropane	ug/L	10 U
cis-1,3-Dichloropropene	ug/L	10 U
Trichloroethene	ug/L	10 U
Dibromochloromethane	ug/L	10 U
1,1,2-Trichloroethane	ug/L	10 U
Benzene	ug/L	10 U
trans-1,3-Dichloropropene	ug/L	10 U
Bromoform	ug/L	10 U
4-Methyl-2-Pentanone	ug/L	10 U
2-Hexanone	ug/L	10 U
Tetrachloroethene	ug/L	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U
Toluene	ug/L	10 U
Chlorobenzene	ug/L	10 U
Ethylbenzene	ug/L	10 U
Styrene	ug/L	10 U
Xylene (total)	ug/L	10 U
HERBICIDES		
2,4-D	ug/L	
2,4-DB	ug/L	
2,4,5-T	ug/L	
2,4,5-TP (Silvex)	ug/L	
Dalapon	ug/L	
Dicamba	ug/L	
Dichloroprop	ug/L	
Dinoseb	ug/L	
MCPA	ug/L	
MCPP	ug/L	
NITROAROMATICS		
HMX	ug/L	
RDX	ug/L	
1,3,5-Trinitrobenzene	ug/L	
1,3-Dinitrobenzene	ug/L	
Tetryl	ug/L	
2,4,6-Trinitrotoluene	ug/L	
4-amino-2,6-Dinitrotoluene	ug/L	
2-amino-4,6-Dinitrotoluene	ug/L	
2,6-Dinitrotoluene	ug/L	
2,4-Dinitrotoluene	ug/L	

SENECA ARMY DEPOT
SEAD-70 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-70 04/27/94 SW70-1 219466 43810	WATER SEAD-70 04/27/94 SW70-2 219467 43810
SEMIVOLATILE ORGANICS			
Phenol	ug/L	11 U	10 U
bis(2-Chloroethyl) ether	ug/L	11 U	10 U
2-Chlorophenol	ug/L	11 U	10 U
1,3-Dichlorobenzene	ug/L	11 U	10 U
1,4-Dichlorobenzene	ug/L	11 U	10 U
1,2-Dichlorobenzene	ug/L	11 U	10 U
2-Methylphenol	ug/L	11 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	11 U	10 U
4-Methylphenol	ug/L	11 U	10 U
N-Nitroso-d-n-propylamine	ug/L	11 U	10 U
Hexachloroethane	ug/L	11 U	10 U
Nitrobenzene	ug/L	11 U	10 U
isophorone	ug/L	11 U	10 U
2-Nitrophenol	ug/L	11 U	10 U
2,4-Dimethylphenol	ug/L	11 U	10 U
bis(2-Chloroethoxy) methane	ug/L	11 U	10 U
2,4-Dichlorophenol	ug/L	11 U	10 U
1,2,4-Trichlorobenzene	ug/L	11 U	10 U
Naphthalene	ug/L	11 U	10 U
4-Chloroaniline	ug/L	11 U	10 U
Hexachlorobutadiene	ug/L	11 U	10 U
4-Chloro-3-methylphenol	ug/L	11 U	10 U
2-Methylnaphthalene	ug/L	11 U	10 U
Hexachlorocyclopentadiene	ug/L	11 U	10 U
2,4,6-Trichlorophenol	ug/L	11 U	10 U
2,4,5-Trichlorophenol	ug/L	28 U	28 U
2-Chloronaphthalene	ug/L	11 U	10 U
2-Nitroaniline	ug/L	28 U	28 U
Dimethylphthalate	ug/L	11 U	10 U
Acenaphthylene	ug/L	11 U	10 U
2,6-Dinitrotoluene	ug/L	11 U	10 U
3-Nitroaniline	ug/L	28 U	28 U
Acenaphthene	ug/L	11 U	10 U
2,4-Dinitrophenol	ug/L	28 U	28 U
4-Nitrophenol	ug/L	28 U	28 U
Dibenzofuran	ug/L	11 U	10 U
2,4-Dinitrotoluene	ug/L	11 U	10 U
Diethylphthalate	ug/L	11 U	10 U
4-Chlorophenyl-phenyl ether	ug/L	11 U	10 U
Fluorene	ug/L	11 U	10 U
4-Nitroaniline	ug/L	28 U	28 U
4,6-Dinitro-2-methylphenol	ug/L	28 U	28 U
N-Nitrosodiphenylamine	ug/L	11 U	10 U
4-Bromophenyl-phenyl ether	ug/L	11 U	10 U
Hexachlorobenzene	ug/L	11 U	10 U
Pentachlorophenol	ug/L	28 U	26 U
Phenanthrene	ug/L	11 U	10 U
Anthracene	ug/L	11 U	10 U
Carbazole	ug/L	11 U	10 U
Di-n-butylphthalate	ug/L	11 U	10 U
Fluoranthene	ug/L	11 U	10 U
Pyrene	ug/L	11 U	10 U
Butylbenzylphthalate	ug/L	11 U	10 U
3,3'-Dichlorobenzidine	ug/L	11 U	10 U
Benzo(a)anthracene	ug/L	11 U	10 U
Chrysene	ug/L	11 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	11 U	10 U
Di-n-octylphthalate	ug/L	11 U	10 U
Benzo(b)fluoranthene	ug/L	11 U	10 U
Benzo(k)fluoranthene	ug/L	11 U	10 U
Benzo(a)pyrene	ug/L	11 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	10 U
Dibenz(a,h)anthracene	ug/L	11 U	10 U
Benzo(g,h,i)perylene	ug/L	11 U	10 U

SENECA ARMY DEPOT
SEAD-70 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER
	LOCATION	SEAD-70	SEAD-70
	SAMPLE DATE	04/27/94	04/27/94
	ES ID	SW70-1	SW70-2
	LAB ID	219466	219467
	SDG NUMBER	43810	43810
COMPOUND	UNITS		
PESTICIDES/PCB			
alpha-BHC	ug/L	0.056 U	0.051 U
beta-BHC	ug/L	0.056 U	0.051 U
delta-BHC	ug/L	0.056 U	0.051 U
gamma-BHC (Lindane)	ug/L	0.056 U	0.051 U
Heptachlor	ug/L	0.056 U	0.051 U
Aldrin	ug/L	0.056 U	0.051 U
Heptachlor epoxide	ug/L	0.056 U	0.051 U
Endosulfan I	ug/L	0.056 U	0.051 U
Dieldrin	ug/L	0.11 U	0.1 U
4,4'-DDE	ug/L	0.11 U	0.1 U
Endrin	ug/L	0.11 U	0.1 U
Endosulfan II	ug/L	0.11 U	0.1 U
4,4'-DDD	ug/L	0.11 U	0.1 U
Endosulfan sulfate	ug/L	0.11 U	0.1 U
4,4'-DDT	ug/L	0.11 U	0.1 U
Methoxychlor	ug/L	0.56 U	0.51 U
Endrin ketone	ug/L	0.11 U	0.1 U
Endrin aldehyde	ug/L	0.11 U	0.1 U
alpha-Chlordane	ug/L	0.056 U	0.051 U
gamma-Chlordane	ug/L	0.056 U	0.051 U
Toxaphene	ug/L	5.6 U	5.1 U
Aroclor-1016	ug/L	1.1 U	1 U
Aroclor-1221	ug/L	2.2 U	2 U
Aroclor-1232	ug/L	1.1 U	1 U
Aroclor-1242	ug/L	1.1 U	1 U
Aroclor-1246	ug/L	1.1 U	1 U
Aroclor-1254	ug/L	1.1 U	1 U
Aroclor-1260	ug/L	1.1 U	1 U
METALS			
Aluminum	ug/L	137 J	273
Antimony	ug/L	0.99 U	0.99 J
Arsenic	ug/L	4.4 J	4.6 J
Barium	ug/L	52.3 J	33.3 J
Beryllium	ug/L	0.06 U	0.06 U
Cadmium	ug/L	0.1 U	0.1 U
Calcium	ug/L	83500	50000
Chromium	ug/L	0.4 U	0.46 J
Cobalt	ug/L	3 J	1.3 J
Copper	ug/L	1.5 J	2.4 J
Iron	ug/L	3160	2720
Lead	ug/L	0.79 U	0.92 J
Magnesium	ug/L	12400	9140
Manganese	ug/L	2300	462
Mercury	ug/L	0.04 J	0.03 U
Nickel	ug/L	1.4 J	1.9 J
Potassium	ug/L	3010 J	3280 J
Selenium	ug/L	1.7 U	1.7 U
Silver	ug/L	0.89 U	0.7 U
Sodium	ug/L	7540	5140
Thallium	ug/L	1.6 U	2.1 J
Vanadium	ug/L	0.92 J	1.5 J
Zinc	ug/L	3 J	7.7 J
Cyanide	ug/L	5 U	5 U
OTHER ANALYSES			
Nitrate/Nitrite-Nitrogen	mg/L		
Total Petroleum Hydrocarbons	mg/L		
pH	Standard Units	6.7	7.9
Conductivity	umhos/cm	370	277
Temperature	°C	17.4	16.6
Turbidity	NTU	3.4	4.2

SENECA ARMY DEPOT
SEAD-70 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL
	LOCATION	SEAD-70	SEAD-70
	DEPTH (FEET)	0-0.2	0-0.2
	SAMPLE DATE	04/27/94	04/27/94
	ES ID	SD70-1	SD70-2
	LAB ID	219452	219453
	SDG NUMBER	43663	43663
COMPOUND	MATRIX	SOIL	SOIL
	UNITS		
VOLATILE ORGANICS			
Chloromethane	ug/Kg	21 UJ	18 U
Bromomethane	ug/Kg	21 UJ	18 U
Vinyl Chloride	ug/Kg	21 UJ	18 U
Chloroethane	ug/Kg	21 UJ	18 U
Methylene Chloride	ug/Kg	21 UJ	18 U
Acetone	ug/Kg	21 UJ	18 U
Carbon Disulfide	ug/Kg	21 UJ	18 U
1,1-Dichloroethane	ug/Kg	21 UJ	18 U
1,1-Dichloroethane	ug/Kg	21 UJ	18 U
1,2-Dichloroethane (total)	ug/Kg	21 UJ	18 U
Chloroform	ug/Kg	21 UJ	18 U
1,2-Dichloroethane	ug/Kg	21 UJ	18 U
2-Butanone	ug/Kg	21 UJ	18 U
1,1,1-Trichloroethane	ug/Kg	21 UJ	18 U
Carbon Tetrachloride	ug/Kg	21 UJ	18 U
Bromodichloromethane	ug/Kg	21 UJ	18 U
1,2-Dichloropropane	ug/Kg	21 UJ	18 U
cis-1,3-Dichloropropene	ug/Kg	21 UJ	18 U
Trichloroethane	ug/Kg	21 UJ	18 U
Dibromochloromethane	ug/Kg	21 UJ	18 U
1,1,2-Trichloroethane	ug/Kg	21 UJ	18 U
Benzene	ug/Kg	21 UJ	18 U
trans-1,3-Dichloropropene	ug/Kg	21 UJ	18 U
Bromoform	ug/Kg	21 UJ	18 U
4-Methyl-2-Pentanone	ug/Kg	21 UJ	18 U
2-Hexanone	ug/Kg	21 UJ	18 U
Tetrachloroethane	ug/Kg	21 UJ	18 U
1,1,2,2-Tetrachloroethane	ug/Kg	21 UJ	18 U
Toluene	ug/Kg	21 UJ	18 U
Chlorobenzene	ug/Kg	21 UJ	18 U
Ethylbenzene	ug/Kg	21 UJ	18 U
Styrene	ug/Kg	21 UJ	18 U
Xylene (total)	ug/Kg	21 UJ	18 U
HERBICIDES			
2,4-D	ug/Kg		
2,4-DB	ug/Kg		
2,4,5-T	ug/Kg		
2,4,5-TP (Silvex)	ug/Kg		
Dalapon	ug/Kg		
Dicamba	ug/Kg		
Dichloroprop	ug/Kg		
Dinoseb	ug/Kg		
MCPA	ug/Kg		
MCPP	ug/Kg		
NITROAROMATICS			
HMX	ug/Kg		
RDX	ug/Kg		
1,3,5-Trinitrobenzene	ug/Kg		
1,3-Dinitrobenzene	ug/Kg		
Tetryl	ug/Kg		
2,4,6-Trinitrotoluene	ug/Kg		
4-amino-2,6-Dinitrotoluene	ug/Kg		
2-amino-4,6-Dinitrotoluene	ug/Kg		
2,6-Dinitrotoluene	ug/Kg		
2,4-Dinitrotoluene	ug/Kg		

SENECA ARMY DEPOT
SEAD-70 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SOIL SEAD-70 0-0.2 04/27/94 SD70-1 219452 43663	SOIL SEAD-70 0-0.2 04/27/94 SD70-2 219453 43663
SEMIVOLATILE ORGANICS			
Phenol	ug/Kg	690 UJ	620 U
bis(2-Chloroethyl) ether	ug/Kg	690 UJ	620 U
2-Chlorophenol	ug/Kg	690 UJ	620 U
1,3-Dichlorobenzene	ug/Kg	690 UJ	620 U
1,4-Dichlorobenzene	ug/Kg	690 UJ	620 U
1,2-Dichlorobenzene	ug/Kg	690 UJ	620 U
2-Methylphenol	ug/Kg	690 UJ	620 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	690 UJ	620 U
4-Methylphenol	ug/Kg	690 UJ	620 U
N-Nitroso-di-n-propylamine	ug/Kg	690 UJ	620 U
Hexachloroethane	ug/Kg	690 UJ	620 U
Nitrobenzene	ug/Kg	690 UJ	620 U
Isophorone	ug/Kg	690 UJ	620 U
2-Nitrophenol	ug/Kg	690 UJ	620 U
2,4-Dimethylphenol	ug/Kg	690 UJ	620 U
bis(2-Chloroethoxy) methane	ug/Kg	690 UJ	620 U
2,4-Dichlorophenol	ug/Kg	690 UJ	620 U
1,2,4-Trichlorobenzene	ug/Kg	690 UJ	620 U
Naphthalene	ug/Kg	690 UJ	620 U
4-Chloroaniline	ug/Kg	690 UJ	620 U
Hexachlorobutadiene	ug/Kg	690 UJ	620 U
4-Chloro-3-methylphenol	ug/Kg	690 UJ	620 U
2-Methylnaphthalene	ug/Kg	690 UJ	620 U
Hexachlorocyclopentadiene	ug/Kg	690 UJ	620 U
2,4,6-Trichlorophenol	ug/Kg	690 UJ	620 U
2,4,5-Trichlorophenol	ug/Kg	1700 UJ	1500 U
2-Chloronaphthalene	ug/Kg	690 UJ	620 U
2-Nitroaniline	ug/Kg	1700 UJ	1500 U
Dimethylphthalate	ug/Kg	690 UJ	620 U
Acenaphthylene	ug/Kg	690 UJ	620 U
2,6-Dinitrotoluene	ug/Kg	690 UJ	620 U
3-Nitroaniline	ug/Kg	1700 UJ	1500 U
Acenaphthene	ug/Kg	690 UJ	620 U
2,4-Dinitrophenol	ug/Kg	1700 UJ	1500 U
4-Nitrophenol	ug/Kg	1700 UJ	1500 U
Dibenzofuran	ug/Kg	690 UJ	620 U
2,4-Dinitrotoluene	ug/Kg	690 UJ	620 U
Diethylphthalate	ug/Kg	690 UJ	620 U
4-Chlorophenyl-phenylether	ug/Kg	690 UJ	620 U
Fluorene	ug/Kg	690 UJ	620 U
4-Nitroaniline	ug/Kg	1700 UJ	1500 U
4,6-Dinitro-2-methylphenol	ug/Kg	1700 UJ	1500 U
N-Nitrosodiphenylamine	ug/Kg	690 UJ	620 U
4-Bromophenyl-phenylether	ug/Kg	690 UJ	620 U
Hexachlorobenzene	ug/Kg	690 UJ	620 U
Pentachlorophenol	ug/Kg	1700 UJ	1500 U
Phenanthrene	ug/Kg	690 UJ	40 J
Anthracene	ug/Kg	690 UJ	620 U
Carbazole	ug/Kg	690 UJ	620 U
Di-n-butylphthalate	ug/Kg	690 UJ	620 U
Fluoranthene	ug/Kg	690 UJ	79 J
Pyrene	ug/Kg	690 UJ	77 J
Butylbenzylphthalate	ug/Kg	690 UJ	620 U
3,3'-Dichlorobenzidine	ug/Kg	690 UJ	620 U
Benzo(a)anthracene	ug/Kg	690 UJ	33 J
Chrysene	ug/Kg	690 UJ	45 J
bis(2-Ethylhexyl)phthalate	ug/Kg	690 UJ	620 U
Di-n-octylphthalate	ug/Kg	690 UJ	620 U
Benzo(b)fluoranthene	ug/Kg	690 UJ	620 U
Benzo(k)fluoranthene	ug/Kg	690 UJ	620 U
Benzo(a)pyrene	ug/Kg	690 UJ	620 U
Indeno(1,2,3-cd)pyrene	ug/Kg	690 UJ	620 U
Dibenz(a,h)anthracene	ug/Kg	690 UJ	620 U
Benzo(g,h,i)perylene	ug/Kg	690 UJ	620 U

SENECA ARMY DEPOT
SEAD-70 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION	SOIL	SOIL
	DEPTH (FEET)	SEAD-70	SEAD-70
	SAMPLE DATE	04/27/94	04/27/94
	ES ID	SD70-1	SD70-2
	LAB ID	219452	219453
	SDG NUMBER	43663	43663
	UNITS		
PESTICIDES/PCB			
alpha-BHC	ug/Kg	3.5 UJ	3.2 U
beta-BHC	ug/Kg	3.5 UJ	3.2 U
delta-BHC	ug/Kg	3.5 UJ	3.2 U
gamma-BHC (Lindane)	ug/Kg	3.5 UJ	3.2 U
Heptachlor	ug/Kg	3.5 UJ	3.2 U
Aldrin	ug/Kg	3.5 UJ	3.2 U
Heptachlor epoxide	ug/Kg	3.5 UJ	3.2 U
Endosulfan I	ug/Kg	3.5 UJ	3.2 U
Dieldrin	ug/Kg	6.9 UJ	6.2 U
4,4'-DDE	ug/Kg	6.9 UJ	6.2 U
Endrin	ug/Kg	6.9 UJ	6.2 U
Endosulfan II	ug/Kg	6.9 UJ	6.2 U
4,4'-DDD	ug/Kg	6.9 UJ	6.2 U
Endosulfan sulfate	ug/Kg	6.9 UJ	6.2 U
4,4'-DDT	ug/Kg	6.9 UJ	6.2 U
Methoxychlor	ug/Kg	35 UJ	32 U
Endrin ketone	ug/Kg	6.9 UJ	6.2 U
Endrin aldehyde	ug/Kg	6.9 UJ	6.2 U
alpha-Chlordane	ug/Kg	3.5 UJ	3.2 U
gamma-Chlordane	ug/Kg	3.5 UJ	3.2 U
Toxaphene	ug/Kg	350 UJ	320 U
Aroclor-1016	ug/Kg	69 UJ	62 U
Aroclor-1221	ug/Kg	140 UJ	130 U
Aroclor-1232	ug/Kg	69 UJ	62 U
Aroclor-1242	ug/Kg	69 UJ	62 U
Aroclor-1248	ug/Kg	69 UJ	62 U
Aroclor-1254	ug/Kg	69 UJ	62 U
Aroclor-1260	ug/Kg	69 UJ	62 U
METALS			
Aluminum	mg/Kg	13300 J	10400
Antimony	mg/Kg	0.27 UJ	0.35 UJ
Arsenic	mg/Kg	3.4 J	3.4 J
Barium	mg/Kg	126 J	73.7
Beryllium	mg/Kg	0.59 J	0.51 J
Cadmium	mg/Kg	0.34 J	0.4 J
Calcium	mg/Kg	4500 J	21400
Chromium	mg/Kg	16.3 J	15.5
Cobalt	mg/Kg	5.8 J	7.2 J
Copper	mg/Kg	14.3 J	21.9
Iron	mg/Kg	17900 J	16900
Lead	mg/Kg	16.9 J	20.6
Magnesium	mg/Kg	2900 J	5300
Manganese	mg/Kg	512 J	212 J
Mercury	mg/Kg	0.07 J R	0.04 J R
Nickel	mg/Kg	15 J	23.3
Potassium	mg/Kg	1690 J	1500 J
Selenium	mg/Kg	0.75 J	0.59 U
Silver	mg/Kg	0.19 UJ	0.24 U
Sodium	mg/Kg	43 UJ	55.1 U
Thallium	mg/Kg	0.43 UJ	0.6 J
Vanadium	mg/Kg	21.7 J	19.4
Zinc	mg/Kg	60.1 J	105
Cyanide	mg/Kg	1 UJ	0.84 U
OTHER ANALYSES			
Nitrate/Nitrite-Nitrogen	mg/Kg		
Total Petroleum Hydrocarbons	mg/Kg		
Total Solids	%W/W	47.6	52.8

SENECA ARMY DEPOT
SEAD-71 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SOIL SEAD-71 3 06/07/94 TP71-1-1 223344 44665	SOIL SEAD-71 3 06/07/94 TP71-1-2 223345 44665	SOIL SEAD-71 3 06/07/94 TP71-1-3 223346 44665	SOIL SEAD-71 4 06/07/94 TP71-1-4 223347 44665	SOIL SEAD-71 1 06/07/94 TP71-2-1 223348 44665	SOIL SEAD-71 2 06/07/94 TP71-2-2 223349 44665	SOIL SEAD-71 2-3.3 06/07/94 TP71-2-3 223350 44665	SOIL SEAD-71 2 06/07/94 TP71-2-4 223351 44665	
VOLATILE ORGANICS									
Chloromethane	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Bromomethane	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Vinyl Chloride	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Chloroethane	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Methylene Chloride	ug/Kg	2 J	2 J	2 J	2 J	2 J	2 J	3 J	11 J
Acetone	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Carbon Disulfide	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
1,1-Dichloroethane	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
1,1-Dichloroethane	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
1,2-Dichloroethane (total)	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Chloroform	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
1,2-Dichloroethane	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
2-Butanone	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
1,1,1-Trichloroethane	ug/Kg	4 J	7 J	10 J	23	11 U	11 U	3 J	12 U
Carbon Tetrachloride	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Bromodichloromethane	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
1,2-Dichloropropane	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
cis-1,3-Dichloropropene	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Trichloroethane	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Dibromochloromethane	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
1,1,2-Trichloroethane	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Benzene	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
trans-1,3-Dichloropropene	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Bromoform	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
4-Methyl-2-Pentanone	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
2-Hexanone	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Tetrachloroethane	ug/Kg	1 J	1 J	3 J	12 U	11 U	11 U	12 U	12 U
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Toluene	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Chlorobenzene	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Ethylbenzene	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Styrene	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Xylene (total)	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
HERBICIDES									
2,4-D	ug/Kg								
2,4-DB	ug/Kg								
2,4,5-T	ug/Kg								
2,4,5-TP (Silvex)	ug/Kg								
Dalapon	ug/Kg								
Dicamba	ug/Kg								
Dichloroprop	ug/Kg								
Dinoseb	ug/Kg								
MCPA	ug/Kg								
MCPP	ug/Kg								
NITROAROMATICS									
HMX	ug/Kg								
RDX	ug/Kg								
1,3,5-Trinitrobenzene	ug/Kg								
1,3-Dinitrobenzene	ug/Kg								
Tetryl	ug/Kg								
2,4,6-Trinitrotoluene	ug/Kg								
4-amino-2,6-Dinitrotoluene	ug/Kg								
2-amino-4,6-Dinitrotoluene	ug/Kg								
2,6-Dinitrotoluene	ug/Kg								
2,4-Dinitrotoluene	ug/Kg								

SENECA ARMY DEPOT
SEAD-71 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER	SOIL SEAD-71 3 06/07/94 TP71-1-1 223344 44685	SOIL SEAD-71 3 06/07/94 TP71-1-2 223345 44685	SOIL SEAD-71 3 06/07/94 TP71-1-3 223346 44685	SOIL SEAD-71 4 06/07/94 TP71-1-4 223347 44685	SOIL SEAD-71 1 06/07/94 TP71-2-1 223348 44685	SOIL SEAD-71 2 06/07/94 TP71-2-2 223349 44685	SOIL SEAD-71 2-3.3 06/07/94 TP71-2-3 223350 44685	SOIL SEAD-71 2 06/07/94 TP71-2-4 223351 44685	
SEMIVOLATILE ORGANICS									
Phenol	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
bis(2-Chloroethyl) ether	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
2-Chlorophenol	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
1,3-Dichlorobenzene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
1,4-Dichlorobenzene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
1,2-Dichlorobenzene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
2-Methylphenol	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
4-Methylphenol	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
N-Nitroso-d-n-propylamine	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Hexachloroethane	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Nitrobenzene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Isophorone	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
2-Nitrophenol	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
2,4-Dimethylphenol	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
bis(2-Chloroethoxy) methane	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
2,4-Dichlorophenol	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
1,2,4-Trichlorobenzene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Naphthalene	ug/Kg	19000 U	77 J	370 U	29 J	1500 U	380 U	420 U	380 U
4-Chloroaniline	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Hexachlorobutadiene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
4-Chloro-3-methylphenol	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
2-Methylnaphthalene	ug/Kg	19000 U	29 J	370 U	390 U	1500 U	380 U	420 U	380 U
Hexachlorocyclopentadiene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
2,4,6-Trichlorophenol	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
2,4,5-Trichlorophenol	ug/Kg	45000 U	1200 U	900 U	940 U	3600 U	930 U	1000 U	930 U
2-Chloronaphthalene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
2-Nitroaniline	ug/Kg	45000 U	1200 U	900 U	940 U	3600 U	930 U	1000 U	930 U
Dimethylphthalate	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Acenaphthylene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
2,6-Dinitrotoluene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
3-Nitroaniline	ug/Kg	45000 U	1200 U	900 U	940 U	3600 U	930 U	1000 U	930 U
Acenaphthene	ug/Kg	5800 J	280 J	76 J	38 J	1500 U	380 U	420 U	380 U
2,4-Dinitrophenol	ug/Kg	45000 U	1200 U	900 U	940 U	3600 U	930 U	1000 U	930 U
4-Nitrophenol	ug/Kg	45000 U	1200 U	900 U	940 U	3600 U	930 U	1000 U	930 U
Dibenzofuran	ug/Kg	19000 U	120 J	370 U	390 U	1500 U	380 U	420 U	380 U
2,4-Dinitrotoluene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Diethylphthalate	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
4-Chlorophenyl-phenylether	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Fluorene	ug/Kg	2800 J	230 J	56 J	390 U	1500 U	380 U	420 U	380 U
4-Nitroaniline	ug/Kg	45000 U	1200 U	900 U	940 U	3600 U	930 U	1000 U	930 U
4,6-Dinitro-2-methylphenol	ug/Kg	45000 U	1200 U	900 U	940 U	3600 U	930 U	1000 U	930 U
N-Nitrosodiphenylamine	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
4-Bromophenyl-phenylether	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Hexachlorobenzene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Pentachlorophenol	ug/Kg	45000 U	1200 U	900 U	940 U	3600 U	930 U	1000 U	930 U
Phenanthrene	ug/Kg	66000 U	1900 U	770 U	260 J	270 J	180 J	30 J	80 J
Anthracene	ug/Kg	11000 J	580 U	120 J	59 J	1500 U	380 U	420 U	380 U
Carbazole	ug/Kg	9500 J	360 J	100 J	30 J	1500 U	380 U	420 U	380 U
Di-n-butylphthalate	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Fluoranthene	ug/Kg	88000 U	2600 U	1400 U	330 J	690 J	580 U	63 J	240 J
Pyrene	ug/Kg	63000 U	1600 U	2000 U	390 U	1000 J	660 U	73 J	260 J
Butylbenzylphthalate	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
3,3'-Dichlorobenzidine	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Benzo(a)anthracene	ug/Kg	37000 U	1200 U	660 U	180 J	370 J	250 J	420 U	120 J
Chrysene	ug/Kg	36000 U	1000 U	750 U	220 J	610 J	360 J	420 U	130 J
bis(2-Ethylhexyl)phthalate	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Di-n-octylphthalate	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Benzo(b)fluoranthene	ug/Kg	28000 U	930 U	710 U	130 J	750 J	400 U	420 U	110 J
Benzo(k)fluoranthene	ug/Kg	15000 J	570 U	490 U	140 J	490 J	240 J	420 U	77 J
Benzo(a)pyrene	ug/Kg	22000 U	750 U	630 U	160 J	490 J	290 J	420 U	94 J
Indeno(1,2,3-cd)pyrene	ug/Kg	12000 J	390 J	520 U	88 J	430 J	220 J	420 U	52 J
Dibenz(a,h)anthracene	ug/Kg	9800 J	190 J	320 J	38 J	170 J	130 J	420 U	380 U
Benzo(g,h,i)perylene	ug/Kg	10000 J	500 U	500 U	82 J	370 J	150 J	420 U	36 J

SENECA ARMY DEPOT
SEAD-71 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SOIL SEAD-71 3	SOIL SEAD-71 3	SOIL SEAD-71 3	SOIL SEAD-71 4	SOIL SEAD-71 1	SOIL SEAD-71 2	SOIL SEAD-71 2-3	SOIL SEAD-71 2	
	06/07/94 TP71-1-1	06/07/94 TP71-1-2	06/07/94 TP71-1-3	06/07/94 TP71-1-4	06/07/94 TP71-2-1	06/07/94 TP71-2-2	06/07/94 TP71-2-3	06/07/94 TP71-2-4	
	223344	223345	223346	223347	223348	223349	223350	223351	
COMPOUND	44665	44665	44665	44665	44665	44665	44665	44665	
PESTICIDES/PCB									
alpha-BHC	ug/Kg	19 U	1.9 U	1.9 U	2 U	1.9 U	2 U	2.2 U	2 U
beta-BHC	ug/Kg	19 U	1.9 U	1.9 U	2 U	1.9 U	2 U	2.2 U	2 U
delta-BHC	ug/Kg	19 U	1.9 U	1.9 U	2 U	1.9 U	2 U	2.2 U	2 U
gamma-BHC (Lindane)	ug/Kg	19 U	1.9 U	1.9 U	2 U	1.9 U	2 U	2.2 U	2 U
Heptachlor	ug/Kg	19 U	1.2 J	1.9 U	2 U	1.9 U	2 U	2.2 U	2 U
Aldrin	ug/Kg	19 U	1.9 U	1.9 U	2 U	1.9 U	2 U	2.2 U	2 U
Heptachlor epoxide	ug/Kg	19 U	1.9 U	1.9 U	2 U	1.9 U	2 U	2.2 U	2 U
Endosulfan I	ug/Kg	200 J	3.5	6.6 J	2.8 J	5.1 J	6.9 J	2.2 U	3.4 J
Dieldrin	ug/Kg	37 U	3.5 J	3.7 U	3.9 U	3.7 U	3.8 U	4.2 U	3.8 U
4,4'-DDE	ug/Kg	37 U	3.7 U	3.1 J	4.2 J	3.7 U	3.8 U	4.2 U	3.8 U
Endrin	ug/Kg	29 J	3.7 U	3.7 U	3.9 U	3.7 U	3.8 U	4.2 U	3.8 U
Endosulfan II	ug/Kg	26 J	2.5 J	3.7 U	3.9 U	2 J	3.8 U	4.2 U	3.8 U
4,4'-DDD	ug/Kg	37 U	3.7 U	3.7 U	3.9 U	3.4 J	3.8 U	4.2 U	3.8 U
Endosulfan sulfate	ug/Kg	37 U	3.7 U	3.7 U	3.9 U	2.2 J	3.8 U	4.2 U	3.8 U
4,4'-DDT	ug/Kg	37 U	3.7 U	8.4	13	2.7 J	3.8 U	4.2 U	3.8 U
Methoxychlor	ug/Kg	190 U	19 U	19 U	20 U	19 U	20 U	22 U	20 U
Endrin ketone	ug/Kg	37 U	3.7 U	3.7 U	3.9 U	3.7 U	3.8 U	4.2 U	3.8 U
Endrin aldehyde	ug/Kg	37 U	3.7 U	3.7 U	3.9 U	3.7 U	3.8 U	4.2 U	3.8 U
alpha-Chlordane	ug/Kg	74 J	1.9 U	1.9 U	2 U	2 J	2 U	2.2 U	2 U
gamma-Chlordane	ug/Kg	19 U	1.9 U	1.9 U	2 U	1.9 U	2 U	2.2 U	2 U
Toxaphene	ug/Kg	1900 U	190 U	190 U	200 U	190 U	200 U	220 U	200 U
Aroclor-1016	ug/Kg	370 U	37 U	37 U	39 U	37 U	38 U	42 U	38 U
Aroclor-1221	ug/Kg	750 U	76 U	75 U	79 U	76 U	78 U	86 U	78 U
Aroclor-1232	ug/Kg	370 U	37 U	37 U	39 U	37 U	38 U	42 U	38 U
Aroclor-1242	ug/Kg	370 U	37 U	37 U	39 U	37 U	38 U	42 U	38 U
Aroclor-1248	ug/Kg	370 U	37 U	37 U	39 U	37 U	38 U	42 U	38 U
Aroclor-1254	ug/Kg	370 U	37 U	37 U	39 U	37 U	38 U	42 U	38 U
Aroclor-1260	ug/Kg	370 U	37 U	37 U	39 U	37 U	38 U	42 U	38 U
METALS									
Aluminum	mg/Kg	12900	13100	10900	9960	9630	12500	18000	15200
Antimony	mg/Kg	0.19 J	0.27 UJ	0.23 UJ	0.47 J	0.21 J	0.18 UJ	0.23 UJ	0.25 UJ
Arsenic	mg/Kg	5.4	5.1	5.2	4.8	4.2	4.8	7.6	7.8
Barium	mg/Kg	86.2	69.2	69.8	63.5	37.5	57.6	108	76.1
Beryllium	mg/Kg	0.58 J	0.56 J	0.53 J	0.47 J	0.44 J	0.48 J	0.88 J	0.7 J
Cadmium	mg/Kg	0.53 J	0.39 J	0.45 J	0.45 J	0.44 J	0.43 J	0.45 J	0.48 J
Calcium	mg/Kg	38000 J	52800 J	32200 J	36500 J	10500 J	37200 J	4260 J	27300 J
Chromium	mg/Kg	18.4	17.9	16.3	15.5	18.1	16.7	25.8	22
Cobalt	mg/Kg	9.4	9.3 J	9.7	8.7 J	11.4	9	14.6	13.4
Copper	mg/Kg	25.4	19	23	26.7	37.5	17.5	36.2	23.5
Iron	mg/Kg	23600	22700	21600	20000	22400	22100	32700	32100
Lead	mg/Kg	96.9	10.3	43.8	67.8	25.3	11.2	15.3	15.1
Magnesium	mg/Kg	8690	7910	8840	9180	4830	13100	6680	6320
Manganese	mg/Kg	497	390	474	458	255	434	749	503
Mercury	mg/Kg	0.03 J	0.03 J	0.03 J	0.03 J	0.04 J	0.15	0.04 J	0.02 J
Nickel	mg/Kg	26.8	25.2	24.9	24.6	42.5	23.2	38.8	36.1
Potassium	mg/Kg	1340 J	1540 J	1230 J	1520 J	992 J	1010 J	1830 J	1300 J
Selenium	mg/Kg	0.43 J	0.57 U	0.47 U	0.56 U	0.91	0.37 U	0.61 J	0.74 J
Silver	mg/Kg	0.07 UJ	0.11 UJ	0.09 UJ	0.1 UJ	0.06 UJ	0.07 UJ	0.09 UJ	0.1 UJ
Sodium	mg/Kg	54.9 J	108 J	140 J	90.7 J	50 J	45.6 J	17.6 U	37.2 J
Thallium	mg/Kg	0.25 U	0.4 U	0.33 U	0.4 U	0.24 U	0.26 U	0.34 U	0.36 U
Vanadium	mg/Kg	19.7	20.1	17.9	18.2	15.4	19.2	23.1	23.1
Zinc	mg/Kg	96.2	63.9	86.1	79.7	128	58.9	71.8	79.3
Cyanide	mg/Kg	0.54 U	0.46 U	0.5 U	0.35 U	0.54 U	0.44 U	0.54 U	0.56 U
OTHER ANALYSES									
Nitrate/Nitrite - Nitrogen	mg/Kg								
Total Petroleum Hydrocarbons	mg/Kg								
Total Solids	%W/W	88.9	87.7	88.8	84.7	87.6	86.4	78.5	85.7

SENECA ARMY DEPOT
SEAD-71 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

MATRIX LOCATION	WATER	WATER
SAMPLE DATE	SEAD-71	SEAD-71
ES ID	03/29/94	07/07/94
LAB ID	MW71-1	MW71-3
SDG NUMBER	215839	226311
UNITS	43179	45257
COMPOUND		
VOLATILE ORGANICS		
Chloromethane	ug/L	10 U
Bromomethane	ug/L	10 U
Vinyl Chloride	ug/L	10 U
Chloroethane	ug/L	10 U
Methylene Chloride	ug/L	10 U
Acetone	ug/L	10 U
Carbon Disulfide	ug/L	10 U
1,1-Dichloroethene	ug/L	10 U
1,1-Dichloroethane	ug/L	10 U
1,2-Dichloroethene (total)	ug/L	10 U
Chloroform	ug/L	10 U
1,2-Dichloroethane	ug/L	10 U
2-Butanone	ug/L	10 U
1,1,1-Trichloroethane	ug/L	10 U
Carbon Tetrachloride	ug/L	10 U
Bromodichloromethane	ug/L	10 U
1,2-Dichloropropane	ug/L	10 U
cis-1,3-Dichloropropene	ug/L	10 U
Trichloroethene	ug/L	10 U
Dibromochloromethane	ug/L	10 U
1,1,2-Trichloroethane	ug/L	10 U
Benzene	ug/L	10 U
trans-1,3-Dichloropropene	ug/L	10 U
Bromoform	ug/L	10 U
4-Methyl-2-Pentanone	ug/L	10 U
2-Hexanone	ug/L	10 U
Tetrachloroethene	ug/L	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U
Toluene	ug/L	10 U
Chlorobenzene	ug/L	10 U
Ethylbenzene	ug/L	10 U
Styrene	ug/L	10 U
Xylene (total)	ug/L	10 U
HERBICIDES		
2,4-D	ug/L	
2,4-DB	ug/L	
2,4,5-T	ug/L	
2,4,5-TP (Silvex)	ug/L	
Dalapon	ug/L	
Dicamba	ug/L	
Dichloroprop	ug/L	
Dinoseb	ug/L	
MCPA	ug/L	
MCPP	ug/L	
NITROAROMATICS		
HMX	ug/L	
RDX	ug/L	
1,3,5-Trinitrobenzene	ug/L	
1,3-Dinitrobenzene	ug/L	
Tetryl	ug/L	
2,4,6-Trinitrotoluene	ug/L	
4-amino-2,6-Dinitrotoluene	ug/L	
2-amino-4,6-Dinitrotoluene	ug/L	
2,6-Dinitrotoluene	ug/L	
2,4-Dinitrotoluene	ug/L	

SENECA ARMY DEPOT
SEAD-71 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-71 03/29/94 MW71-1 215839 43179	WATER SEAD-71 07/07/94 MW71-3 226311 45257
SEMIVOLATILE ORGANICS			
Phenol	ug/L	10 U	13 U
bis(2-Chloroethyl) ether	ug/L	10 U	13 U
2-Chlorophenol	ug/L	10 U	13 U
1,3-Dichlorobenzene	ug/L	10 U	13 U
1,4-Dichlorobenzene	ug/L	10 U	13 U
1,2-Dichlorobenzene	ug/L	10 U	13 U
2-Methylphenol	ug/L	10 U	13 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	13 U
4-Methylphenol	ug/L	10 U	13 U
N-Nitroso-di-n-propylamine	ug/L	10 U	13 U
Hexachloroethane	ug/L	10 U	13 U
Nitrobenzene	ug/L	10 U	13 U
Isophorone	ug/L	10 U	13 U
2-Nitrophenol	ug/L	10 U	13 U
2,4-Dimethylphenol	ug/L	10 U	13 U
bis(2-Chloroethoxy) methane	ug/L	10 U	13 U
2,4-Dichlorophenol	ug/L	10 U	13 U
1,2,4-Trichlorobenzene	ug/L	10 U	13 U
Naphthalene	ug/L	10 U	13 U
4-Chloroaniline	ug/L	10 U	13 U
Hexachlorobutadiene	ug/L	10 U	13 U
4-Chloro-3-methylphenol	ug/L	10 U	13 U
2-Methylnaphthalene	ug/L	10 U	13 U
Hexachlorocyclopentadiene	ug/L	10 U	13 U
2,4,6-Trichlorophenol	ug/L	10 U	13 U
2,4,5-Trichlorophenol	ug/L	26 U	32 U
2-Chloronaphthalene	ug/L	10 U	13 U
2-Nitroaniline	ug/L	26 U	32 U
Dimethylphthalate	ug/L	10 U	13 U
Acenaphthylene	ug/L	10 U	13 U
2,6-Dinitrotoluene	ug/L	10 U	13 U
3-Nitroaniline	ug/L	26 U	32 U
Acenaphthene	ug/L	10 U	13 U
2,4-Dinitrophenol	ug/L	26 U	32 U
4-Nitrophenol	ug/L	26 U	32 U
Dibenzofuran	ug/L	10 U	13 U
2,4-Dinitrotoluene	ug/L	10 U	13 U
Diethylphthalate	ug/L	10 U	13 U
4-Chlorophenyl-phenylether	ug/L	10 U	13 U
Fluorene	ug/L	10 U	13 U
4-Nitroaniline	ug/L	26 U	32 U
4,6-Dinitro-2-methylphenol	ug/L	26 U	32 U
N-Nitrosodiphenylamine	ug/L	10 U	13 U
4-Bromophenyl-phenylether	ug/L	10 U	13 U
Hexachlorobenzene	ug/L	10 U	13 U
Pentachlorophenol	ug/L	26 U	32 U
Phenanthrene	ug/L	10 U	13 U
Anthracene	ug/L	10 U	13 U
Carbazole	ug/L	10 U	13 U
Di-n-butylphthalate	ug/L	10 U	13 U
Fluoranthene	ug/L	10 U	13 U
Pyrene	ug/L	10 U	13 U
Butylbenzylphthalate	ug/L	10 U	13 U
3,3'-Dichlorobenzidine	ug/L	10 U	13 U
Benzo(a)anthracene	ug/L	10 U	13 U
Chrysene	ug/L	10 U	13 U
bis(2-Ethylhexyl)phthalate	ug/L	13 U	16 U
Di-n-octylphthalate	ug/L	10 U	13 U
Benzo(b)fluoranthene	ug/L	10 U	13 U
Benzo(k)fluoranthene	ug/L	10 U	13 U
Benzo(a)pyrene	ug/L	10 U	13 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	13 U
Dibenz(a,h)anthracene	ug/L	10 U	13 U
Benzo(g,h,i)perylene	ug/L	10 U	13 U

SENECA ARMY DEPOT
SEAD-71 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

MATRIX LOCATION	WATER SEAD-71	WATER SEAD-71
SAMPLE DATE	03/29/94	07/07/94
ES ID	MW71-1	MW71-3
LAB ID	215839	226311
SDG NUMBER	43179	45257
COMPOUND		
PESTICIDES/PCB		
alpha-BHC	ug/L 0.052 U	0.054 U
beta-BHC	ug/L 0.052 U	0.054 U
delta-BHC	ug/L 0.052 U	0.054 U
gamma-BHC (Lindane)	ug/L 0.052 U	0.054 U
Heptachlor	ug/L 0.052 U	0.054 U
Aldrin	ug/L 0.052 U	0.054 U
Heptachlor epoxide	ug/L 0.052 U	0.054 U
Endosulfan I	ug/L 0.052 U	0.054 U
Dieldrin	ug/L 0.1 U	0.11 U
4,4'-DDE	ug/L 0.1 U	0.11 U
Endrin	ug/L 0.1 U	0.11 U
Endosulfan II	ug/L 0.1 U	0.11 U
4,4'-DDD	ug/L 0.1 U	0.11 U
Endosulfan sulfate	ug/L 0.1 U	0.11 U
4,4'-DDT	ug/L 0.1 U	0.11 U
Methoxychlor	ug/L 0.52 U	0.54 U
Endrin ketone	ug/L 0.1 U	0.11 U
Endrin aldehyde	ug/L 0.1 U	0.11 U
alpha-Chlordane	ug/L 0.052 U	0.054 U
gamma-Chlordane	ug/L 0.052 U	0.054 U
Toxaphene	ug/L 5.2 U	5.4 U
Aroclor-1016	ug/L 1 U	1.1 U
Aroclor-1221	ug/L 2.1 U	2.2 U
Aroclor-1232	ug/L 1 U	1.1 U
Aroclor-1242	ug/L 1 U	1.1 U
Aroclor-1248	ug/L 1 U	1.1 U
Aroclor-1254	ug/L 1 U	1.1 U
Aroclor-1260	ug/L 1 U	1.1 U
METALS		
Aluminum	ug/L 19700	334
Antimony	ug/L 1 U	1.3 U
Arsenic	ug/L 2.7 J	2 U
Barium	ug/L 164 J	37.7 J
Beryllium	ug/L 0.88 J	0.1 U
Cadmium	ug/L 0.33 J	0.2 U
Calcium	ug/L 212000	146000
Chromium	ug/L 33.1	0.59 J
Cobalt	ug/L 22.1 J	1.1 J
Copper	ug/L 16.1 J	0.75 J
Iron	ug/L 35100	613
Lead	ug/L 17.2	0.89 U
Magnesium	ug/L 32400	18000
Manganese	ug/L 1680	557
Mercury	ug/L 0.06 J	0.05 J
Nickel	ug/L 49.4	2.6 J
Potassium	ug/L 3260 J	4910 J
Selenium	ug/L 1.7 U	2.7 U
Silver	ug/L 0.7 U	0.5 U
Sodium	ug/L 9180	4130 J
Thallium	ug/L 1.6 U	2.5 J
Vanadium	ug/L 25.7 J	0.9 J
Zinc	ug/L 97.3	6.5 J
Cyanide	ug/L 5 U	5 U
OTHER ANALYSES		
Nitrate/Nitrite - Nitrogen	mg/L	
Total Petroleum Hydrocarbons	mg/L	
pH	Standard Units	6.8 7.1
Conductivity	umhos/cm	620 660
Temperature	°C	6.1 17.5
Turbidity	NTU	1860 64

SENECA ARMY DEPOT
 ENVIRONMENTAL SITE INSPECTIONS AT 15 SWMUS
 QUALITY ASSURANCE / QUALITY CONTROL ANALYSIS RESULTS

MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER	WATER RINSATE	WATER RINSATE	WATER SEAD-9 07/19/94 MW9-3R 227440 42494 RINSATE	WATER SEAD-12 06/22/94 SD12A-1R 225192 44745 RINSATE	WATER SEAD-12 06/25/94 TP12B-3R 225552 45058 RINSATE	WATER SEAD-12 06/13/94 MW12B-1.03R 224123 44745 RINSATE	WATER SEAD-43 06/10/94 SB43-1-00R 223890 44725 RINSATE	WATER SEAD-43 02/17/94 SB43-4R 211723 42460 RINSATE	WATER SEAD-43 04/15/94 SD43-3R 217765 43543 RINSATE	WATER SEAD-43 07/19/94 MW43-1R 227447 45332 RINSATE
VOLATILE ORGANICS										
Chloromethane	ug/L	10 UJ		10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 UJ		10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 UJ		10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 UJ		10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 UJ		10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 UJ		10 U	10 U	10 U	10 U	12	22	10 U
Carbon Disulfide	ug/L	10 UJ		10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 UJ		10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 UJ		10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane (total)	ug/L	10 UJ		10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 UJ		10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 UJ		10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 UJ		10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 UJ		10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 UJ		10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 UJ		10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 UJ		10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 UJ		10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 UJ		10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 UJ		10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 UJ		10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	10 UJ		10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 UJ		10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 UJ		10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 UJ		10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 UJ		10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 UJ		10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 UJ		10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	ug/L	10 UJ		10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 UJ		10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 UJ		10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	ug/L	10 UJ		10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 UJ		10 U	10 U	10 U	10 U	10 U	10 U	10 U
HERBICIDES										
2,4-D	ug/L						1.1 U	1.1 U		1.1 U
2,4-DB	ug/L						1.1 U	1.1 U		1.1 U
2,4,5-T	ug/L						0.11 U	0.11 U		0.11 U
2,4,5-TP (Silvex)	ug/L						0.11 U	0.11 U		0.11 U
Dalapon	ug/L						2.4 U	2.4 U		2.4 U
Dicamba	ug/L						0.11 U	0.11 U		0.11 U
Dichloroprop	ug/L						1.1 U	1.1 U		1.1 U
Dinoseb	ug/L						0.5 UJ	0.53 U		0.52 U
MCPA	ug/L						110 U	110 U		110 U
MCPP	ug/L						110 U	110 U		110 U
NITROAROMATICS										
HMX	ug/L						0.13 U	0.13 U	0.13 U	0.13 U
RDX	ug/L						0.13 U	0.13 U	0.13 U	0.13 U
1,3,5-Trinitrobenzene	ug/L						0.13 U	0.13 U	0.13 U	0.13 U
1,3-Dinitrobenzene	ug/L						0.13 U	0.13 U	0.13 U	0.13 U
Tetryl	ug/L						0.064 J	0.13 U	0.13 U	0.13 U
2,4,6-Trinitrotoluene	ug/L						0.13 U	0.13 U	0.13 U	0.13 U
4-amino-2,6-Dinitrotoluene	ug/L						0.13 U	0.13 U	0.13 U	0.13 U
2-amino-4,6-Dinitrotoluene	ug/L						0.13 U	0.13 U	0.13 U	0.13 U
2,6-Dinitrotoluene	ug/L						0.13 U	0.13 U	0.13 U	0.13 U
2,4-Dinitrotoluene	ug/L						0.13 U	0.13 U	0.13 U	0.13 U

SENECA ARMY DEPOT
 ENVIRONMENTAL SITE INSPECTIONS AT 15 SWMUS
 QUALITY ASSURANCE / QUALITY CONTROL ANALYSIS RESULTS

MATRIX LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
SAMPLE DATE	02/20/94	02/20/94	SEAD-9 07/19/94	SEAD-12 06/22/94	SEAD-12 06/25/94	SEAD-12 06/13/94	SEAD-12 06/10/94	SEAD-43 02/17/94	SEAD-43 04/15/94	SEAD-43 07/19/94	SEAD-43 07/19/94
ES ID	TP5-1R	TP5-1RRE	MW9-3R	SD12A-1R	TP12B-3R	MW12B-1.03R	SB43-1-00R	SB43-4R	SD43-3R	SD43-3R	MW43-1R
LAB ID	212040	212040	227440	225192	225552	224123	223890	211723	217765	227447	227447
SDG NUMBER	42494	42494	45332	44745	45058	44745	44725	42460	43543	45332	45332
COMPOUND	UNITS	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE
SEMIVOLATILE ORGANICS											
Phenol	ug/L	10 U	11 UJ	10 U	10 U	2 J	1 J	10 U	10 U	11 U	11 U
bis(2-Chloroethyl) ether	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
2-Chlorophenol	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
1,3-Dichlorobenzene	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
1,4-Dichlorobenzene	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
1,2-Dichlorobenzene	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
2-Methylphenol	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
4-Methylphenol	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
N-Nitroso-d-n-propylamine	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
Hexachloroethane	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
Nitrobenzene	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
Isophorone	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
2-Nitrophenol	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
2,4-Dimethylphenol	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
bis(2-Chloroethoxy) methane	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
2,4-Dichlorophenol	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
1,2,4-Trichlorobenzene	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
Naphthalene	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
4-Chloroaniline	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
Hexachlorobutadiene	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
4-Chloro-3-methylphenol	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
2-Methylnaphthalene	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
Hexachlorocyclopentadiene	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
2,4,6-Trichlorophenol	ug/L	28 U	27 UJ	25 U	26 U	25 U	26 U	26 U	26 U	27 U	27 U
2,4,5-Trichlorophenol	ug/L	28 U	27 UJ	25 U	26 U	25 U	26 U	26 U	26 U	27 U	27 U
2-Chloronaphthalene	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
2-Nitroaniline	ug/L	26 U	27 UJ	25 U	26 U	25 U	26 U	26 U	26 U	27 U	27 U
Dimethylphthalate	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
Acenaphthylene	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
2,6-Dinitrotoluene	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
3-Nitroaniline	ug/L	26 U	27 UJ	25 U	26 U	25 U	26 U	26 U	26 U	27 U	27 U
Acenaphthene	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
2,4-Dinitrophenol	ug/L	26 U	27 UJ	25 U	26 U	25 U	26 U	26 U	26 U	27 U	27 U
4-Nitrophenol	ug/L	26 U	27 UJ	25 U	26 U	25 U	26 U	26 U	26 U	27 U	27 U
Dibenzofuran	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
2,4-Dinitrotoluene	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
Diethylphthalate	ug/L	10 U	11 UJ	10 U	10 U	0.7 J	10 U	10 U	10 U	11 U	11 U
4-Chlorophenyl-phenyl ether	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
Fluorene	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
4-Nitroaniline	ug/L	26 U	27 UJ	25 U	26 U	25 U	26 U	26 U	26 U	27 U	27 U
4,6-Dinitro-2-methylphenol	ug/L	26 U	27 UJ	25 U	26 U	25 U	26 U	26 U	26 U	27 U	27 U
N-Nitrosodiphenylamine	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
4-Bromophenyl-phenyl ether	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
Hexachlorobenzene	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
Pentachlorophenol	ug/L	26 U	27 UJ	25 U	26 U	25 U	26 U	26 U	26 U	27 U	27 U
Phenanthrene	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
Anthracene	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
Carbazole	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
Di-n-butylphthalate	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
Fluoranthene	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
Pyrene	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
Butylbenzylphthalate	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
3,3'-Dichlorobenzidine	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
Benzo(a)anthracene	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
Chrysene	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	11 UJ	10 U	10 U	7 BJ	10 U	10 U	10 U	11 U	11 U
Di-n-octylphthalate	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
Benzo(b)fluoranthene	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
Benzo(k)fluoranthene	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
Benzo(a)pyrene	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
Dibenz(a,h)anthracene	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U
Benzo(g,h,i)perylene	ug/L	10 U	11 UJ	10 U	10 U	10 U	10 U	10 U	10 U	11 U	11 U

SENECA ARMY DEPOT
 ENVIRONMENTAL SITE INSPECTIONS AT 15 SWMUS
 QUALITY ASSURANCE / QUALITY CONTROL ANALYSIS RESULTS

MATRIX LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
SAMPLE DATE	02/20/94	02/20/94	07/19/94	06/22/94	06/25/94	06/13/94	06/10/94	02/17/94	04/15/94	07/19/94	SEAD-43
ES ID	TP5-1R	TP5-1RRE	MW9-3R	SD12A-1R	TP12B-3R	MW12B-1.03R	SB43-1-00R	SB43-4R	SD43-3R	MW43-1R	SEAD-43
LAB ID	212040	212040	227440	225192	225552	224123	223890	211723	217765	227447	SEAD-43
SDG NUMBER	42494	42494	45332	44745	45058	44745	43543	44725	43543	45332	SEAD-43
COMPOUND	UNITS	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE
PESTICIDES/PCB											
alpha-BHC	ug/L	0.052 U		0.054 U	0.052 U	0.051 U	0.052 U	0.054 U	0.052 U	0.051 U	
beta-BHC	ug/L	0.052 U		0.054 U	0.052 U	0.051 U	0.052 U	0.03 J	0.052 U	0.051 U	
delta-BHC	ug/L	0.052 U		0.054 U	0.052 U	0.051 U	0.052 U	0.054 U	0.052 U	0.051 U	
gamma-BHC (Lindane)	ug/L	0.052 U		0.054 U	0.052 U	0.051 U	0.052 U	0.054 U	0.052 U	0.051 U	
Heptachlor	ug/L	0.052 U		0.054 U	0.052 U	0.051 U	0.052 U	0.054 U	0.052 U	0.051 U	
Aldrin	ug/L	0.052 U		0.054 U	0.052 U	0.051 U	0.052 U	0.054 U	0.052 U	0.051 U	
Heptachlor epoxide	ug/L	0.052 U		0.054 U	0.052 U	0.051 U	0.052 U	0.054 U	0.052 U	0.051 U	
Endosulfan I	ug/L	0.052 U		0.054 U	0.052 U	0.051 U	0.052 U	0.054 U	0.052 U	0.051 U	
Dieldrin	ug/L	0.1 U		0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	
4,4'-DDE	ug/L	0.1 U		0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	
Endrin	ug/L	0.1 U		0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	
Endosulfan II	ug/L	0.1 U		0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	
4,4'-DDD	ug/L	0.1 U		0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	
Endosulfan sulfate	ug/L	0.1 U		0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	
4,4'-DDT	ug/L	0.1 U		0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	
Methoxychlor	ug/L	0.52 U		0.54 U	0.52 U	0.51 U	0.52 U	0.54 U	0.52 U	0.51 U	
Endrin ketone	ug/L	0.1 U		0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	
Endrin aldehyde	ug/L	0.1 U		0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	
alpha-Chlordane	ug/L	0.052 U		0.054 U	0.052 U	0.051 U	0.052 U	0.054 U	0.052 U	0.051 U	
gamma-Chlordane	ug/L	0.052 U		0.054 U	0.052 U	0.051 U	0.052 U	0.054 U	0.052 U	0.051 U	
Toxaphene	ug/L	5.2 U		5.4 U	5.2 U	5.1 U	5.2 U	5.4 U	5.2 U	5.1 U	
Aroclor-1016	ug/L	1 U		1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	
Aroclor-1221	ug/L	2.1 U		2.2 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2 U	
Aroclor-1232	ug/L	1 U		1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	
Aroclor-1242	ug/L	1 U		1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	
Aroclor-1246	ug/L	1 U		1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	
Aroclor-1254	ug/L	1 U		1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	
Aroclor-1260	ug/L	1 U		1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	
METALS											
Aluminum	ug/L	40.1 J		21.7 J	99.2 J	25.5 J	13.2 J	41.8 U	20 J	8.7 UJ	
Antimony	ug/L	0.99 U		1.3 U	4.2 J	1.3 U	1.3 U	21.5 U	1.5 J	1.3 U	
Arsenic	ug/L	1.5 U		2 U	2.4 J	2 U	2 U	1.4 U	1.5 U	2 U	
Barium	ug/L	2.2 U		2 U	2 U	2 U	2 U	3.5 U	2.2 U	2 U	
Beryllium	ug/L	0.06 U		0.1 U	0.9 J	0.1 U	0.1 U	0.4 U	0.17 J	0.1 U	
Cadmium	ug/L	0.1 U		0.2 U	0.88 J	0.2 U	0.2 U	2.1 U	0.28 J	0.2 U	
Calcium	ug/L	41.1 U		98.7 J	406 J	132 J	131 U	127 U	811 J	40.7 U	
Chromium	ug/L	0.4 U		0.4 U	1.1 J	2.6 J	0.61 J	2.6 U	0.79 J	0.4 U	
Cobalt	ug/L	0.6 U		0.5 U	1 J	0.54 J	0.5 U	4.4 U	0.67 J	0.5 U	
Copper	ug/L	1.1 J		1.2 J	2.4 J	1.1 J	1.7 J	4 J	12.2 J	0.85 J	
Iron	ug/L	9.6 U		16.5 J	121	30.1 J	25.7 J	17.6 J	42.2 J	11.7 U	
Lead	ug/L	0.8 U		0.9 U	1.7 J	0.89 U	0.9 U	0.89 U	0.79 U	0.9 U	
Magnesium	ug/L	31.2 U		34.4 U	133 J	34.4 U	34.4 U	114 U	65.9 J	34.6 U	
Manganese	ug/L	0.5 U		0.36 J	1.3 J	0.73 J	0.6 U	1.1 U	0.61 J	0.2 U	
Mercury	ug/L	0.04 U		0.03 J	0.04 U	0.11 J	0.03 U	0.04 U	0.03 U	0.06 J	
Nickel	ug/L	0.6 U		0.7 U	3.1 J	0.7 U	4.1 J	4 U	2.8 J	0.7 U	
Potassium	ug/L	43.4 U		47.2 U	98.2 J	47.2 U	47.2 U	906 U	53.6 J	47.5 U	
Selenium	ug/L	1.5 J		2.7 U	2.7 U	2.7 U	2.7 U	1.1 U	1.7 U	2.7 U	
Silver	ug/L	0.7 U		0.5 U	1.1 J	0.6 J	0.5 U	4.2 U	0.69 U	1.9 J	
Sodium	ug/L	1350 J		1200 J	1170 J	1150 J	1460 J	1990 J	1460 J	523 J	
Thallium	ug/L	1.2 U		1.9 U	2.7 J	1.9 U	1.9 U	1.2 U	2.3 J	2.6 J	
Vanadium	ug/L	0.7 U		0.5 U	1.1 J	0.5 U	0.5 U	3.7 U	0.69 U	0.5 U	
Zinc	ug/L	9.8 J		9.5 J	16.1 J	8.1 J	5.6 J	3.3 J	12.6 J	2.2 U	
Cyanide	ug/L	5 U		5 U	5 U	5 U	5 U	5 U	5 U	5 U	
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/L	0.01					0.03	0.02	0.01	0.01	
Total Petroleum Hydrocarbons	mg/L	0.39 U		0.36 U				0.41 U			

SENECA ARMY DEPOT
 ENVIRONMENTAL SITE INSPECTIONS AT 15 SWMUS
 QUALITY ASSURANCE / QUALITY CONTROL ANALYSIS RESULTS

MATRIX LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
SAMPLE DATE	SEAD-43	SEAD-43	SEAD-44	SEAD-44	SEAD-59	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60
ES ID	03/28/94	02/17/94	07/12/94	04/13/94	05/26/94	02/28/94	05/27/94	06/07/94	06/07/94	06/07/94	07/07/94
LAB ID	MW43-3R	SB43-4RRE	MW44A-1R	SS44A-1R	SB59-2-00R	SB60-1R	SB60-1-00R	SB60-2-00R	SB60-2-00RRE	SB60-2-00RRE	MW60-2R
SDG NUMBER	215556	211723	226788	217677	222480	212885	222474	223338	223338	223338	226304
COMPOUND	UNITS	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE
VOLATILE ORGANICS											
Chloromethane	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	28		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U		10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
HERBICIDES											
2,4-D	ug/L	1.1 U									
2,4-DB	ug/L	1.1 U									
2,4,5-T	ug/L	0.11 U									
2,4,5-TP (Silvex)	ug/L	0.11 U									
Dalapon	ug/L	2.4 U									
Dicamba	ug/L	1.1 U									
Dichloroprop	ug/L	1.1 U									
Dinoseb	ug/L	0.51 U									
MCPA	ug/L	110 U									
MCPP	ug/L	110 U									
NITROAROMATICS											
HMX	ug/L	0.13 U		0.13 U		0.13 U					
RDX	ug/L	0.13 U		0.13 U		0.13 U					
1,3,5-Trinitrobenzene	ug/L	0.13 U		0.13 U		0.13 U					
1,3-Dinitrobenzene	ug/L	0.13 U		0.13 U		0.13 U					
Tetryl	ug/L	0.13 U		0.13 U		0.13 U					
2,4,6-Trinitrotoluene	ug/L	0.13 U		0.13 U		0.13 U					
4-amino-2,6-Dinitrotoluene	ug/L	0.13 U		0.13 U		0.13 U					
2-amino-4,6-Dinitrotoluene	ug/L	0.13 U		0.13 U		0.13 U					
2,6-Dinitrotoluene	ug/L	0.13 U		0.13 U		0.13 U					
2,4-Dinitrotoluene	ug/L	0.13 U		0.13 U		0.13 U					

SENECA ARMY DEPOT
ENVIRONMENTAL SITE INSPECTIONS AT 15 SWMUS
QUALITY ASSURANCE / QUALITY CONTROL ANALYSIS RESULTS

MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER	WATER SEAD-43 03/28/94 MW43-3R 215556 43179	WATER SEAD-43 02/17/94 SB43-4RRE 211723 42460	WATER SEAD-44 07/12/94 MW44A-1R 226788 45282	WATER SEAD-44 04/13/94 SS44A-1R 217677 43535	WATER SEAD-58 05/26/94 SB58-2-00R 222480 44410	WATER SEAD-60 02/28/94 SB60-1R 212885 42510	WATER SEAD-60 05/27/94 SB60-1-00R 222474 44410	WATER SEAD-60 06/07/94 SB60-2-00R 223336 44410	WATER SEAD-60 06/07/94 SB60-2-00RRE 223338 44410	WATER SEAD-60 07/07/94 MW60-2R 226304 45257
COMPOUND UNITS	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE
SEMIVOLATILE ORGANICS										
Phenol	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
bis(2-Chloroethyl) ether	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
2-Chlorophenol	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
1,3-Dichlorobenzene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
1,4-Dichlorobenzene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
1,2-Dichlorobenzene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
2-Methylphenol	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
4-Methylphenol	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
N-Nitroso-di-n-propylamine	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
Hexachloroethane	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
Nitrobenzene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
Isophorone	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
2-Nitrophenol	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
2,4-Dimethylphenol	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
bis(2-Chloroethoxy) methane	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
2,4-Dichlorophenol	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
1,2,4-Trichlorobenzene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
Naphthalene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
4-Chloroaniline	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
Hexachlorobutadiene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
4-Chloro-3-methylphenol	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
2-Methylnaphthalene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
Hexachlorocyclopentadiene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
2,4,6-Trichlorophenol	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
2,4,5-Trichlorophenol	ug/L	26 U	26 UJ	26 U	25 U	26 U	25 U	25 U	27 U	26 U
2-Chloronaphthalene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
2-Nitroaniline	ug/L	26 U	26 UJ	26 U	25 U	26 U	25 U	25 U	27 U	26 U
Dimethylphthalate	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
Acenaphthylene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
2,6-Dinitrotoluene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
3-Nitroaniline	ug/L	26 U	26 UJ	26 U	25 U	26 U	25 U	25 U	27 U	26 U
Acenaphthene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
2,4-Dinitrophenol	ug/L	26 U	26 UJ	26 U	25 U	26 U	25 U	25 U	27 U	26 U
4-Nitrophenol	ug/L	26 U	26 UJ	26 U	25 U	26 U	25 U	25 U	27 U	26 U
Dibenzofuran	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
2,4-Dinitrotoluene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
Diethylphthalate	ug/L	10 U	10 UJ	11 U	10 U	10 U	0.8 J	10 U	11 U	0.7 J
4-Chlorophenyl-phenyl ether	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
Fluorene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
4-Nitroaniline	ug/L	26 U	26 UJ	26 U	25 U	26 U	25 U	25 U	27 U	26 U
4,6-Dinitro-2-methylphenol	ug/L	26 U	26 UJ	26 U	25 U	26 U	25 U	25 U	27 U	26 U
N-Nitrosodiphenylamine	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
4-Bromophenyl-phenyl ether	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
Hexachlorobenzene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
Pentachlorophenol	ug/L	26 U	26 UJ	26 U	25 U	26 U	25 U	25 U	27 U	26 U
Phenanthrene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
Anthracene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
Carbazole	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
Di-n-butylphthalate	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	0.7 JB
Fluoranthene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
Pyrene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
Butylbenzylphthalate	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
3,3'-Dichlorobenzidine	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
Benzo(a)anthracene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
Chrysene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	14 UJ	11 U	10 U	10 U	10 U	10 U	51 U	34 B
Di-n-octylphthalate	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
Benzo(b)fluoranthene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
Benzo(k)fluoranthene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
Benzo(a)pyrene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
Dibenz(a,h)anthracene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U
Benzo(g,h,i)perylene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U	11 U

SENECA ARMY DEPOT
 ENVIRONMENTAL SITE INSPECTIONS AT 15 SWMUS
 QUALITY ASSURANCE / QUALITY CONTROL ANALYSIS RESULTS

MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER COMPOUND	WATER SEAD-43 03/28/94 MW43-3R 215556 43179 RINSATE	WATER SEAD-43 02/17/94 SB43-4RRE 211723 42460 RINSATE	WATER SEAD-44 07/12/94 MW44A-1R 226788 45282 RINSATE	WATER SEAD-44 04/13/94 SS44A-1R 217677 43535 RINSATE	WATER SEAD-59 05/26/94 SB59-2-00R 222480 44410 RINSATE	WATER SEAD-60 02/28/94 SB60-1R 212885 42510 RINSATE	WATER SEAD-60 05/27/94 SB60-1-00R 222474 44410 RINSATE	WATER SEAD-60 06/07/94 SB60-2-00R 223338 44410 RINSATE	WATER SEAD-60 06/07/94 SB60-2-00RRE 223338 44410 RINSATE	WATER SEAD-60 07/07/94 MW60-2R 226304 45257 RINSATE
PESTICIDES/PCB										
alpha-BHC	ug/L	0.052 U	0.052 U	0.056 U	0.051 U	0.052 U	0.051 U	0.052 U	0.052 U	0.051 U
beta-BHC	ug/L	0.052 U	0.052 U	0.056 U	0.051 U	0.052 U	0.051 U	0.052 U	0.052 U	0.051 U
delta-BHC	ug/L	0.052 U	0.052 U	0.056 U	0.051 U	0.052 U	0.051 U	0.052 U	0.052 U	0.051 U
gamma-BHC (Lindane)	ug/L	0.052 U	0.052 U	0.056 U	0.051 U	0.052 U	0.051 U	0.052 U	0.052 U	0.051 U
Heptachlor	ug/L	0.052 U	0.052 U	0.056 U	0.051 U	0.052 U	0.051 U	0.052 U	0.052 U	0.051 U
Aldrin	ug/L	0.052 U	0.052 U	0.056 U	0.051 U	0.052 U	0.051 U	0.052 U	0.052 U	0.051 U
Heptachlor epoxide	ug/L	0.052 U	0.052 U	0.056 U	0.051 U	0.052 U	0.051 U	0.052 U	0.052 U	0.051 U
Endosulfan I	ug/L	0.052 U	0.052 U	0.056 U	0.051 U	0.052 U	0.051 U	0.052 U	0.052 U	0.051 U
Dieldrin	ug/L	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDE	ug/L	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endrin	ug/L	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan II	ug/L	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDD	ug/L	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan sulfate	ug/L	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDT	ug/L	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Methoxychlor	ug/L	0.52 U	0.52 U	0.56 U	0.51 U	0.52 U	0.51 U	0.52 U	0.52 U	0.51 U
Endrin ketone	ug/L	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endrin aldehyde	ug/L	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
alpha-Chlordane	ug/L	0.052 U	0.052 U	0.056 U	0.051 U	0.052 U	0.051 U	0.096 U	0.052 U	0.051 U
gamma-Chlordane	ug/L	0.052 U	0.052 U	0.056 U	0.051 U	0.052 U	0.051 U	0.1 U	0.052 U	0.051 U
Toxaphene	ug/L	5.2 U	5.2 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.2 U	5.1 U
Aroclor-1016	ug/L	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1221	ug/L	2.1 U	2.1 U	2.2 U	2 U	2.1 U	2 U	2.1 U	2.1 U	2 U
Aroclor-1232	ug/L	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1242	ug/L	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1248	ug/L	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1254	ug/L	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1260	ug/L	1 U	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U
METALS										
Aluminum	ug/L	25.8 J	8.7 U	187 J	23.5 J	21.9 J	35 J	25.8 J		17.6 J
Antimony	ug/L	1 U	1.3 U	1 U	1.3 U	1 U	1.3 U	1.3 U		1.3 J
Arsenic	ug/L	1.5 U	2 U	1.5 U	2 U	1.5 U	2 U	2 U		2 U
Barium	ug/L	2.2 U	2 U	2.2 U	2 U	2.2 U	2 U	2 U		2 U
Beryllium	ug/L	0.06 U	0.1 U	0.06 U	0.1 U	0.06 U	0.1 U	0.1 U		0.1 U
Cadmium	ug/L	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U	0.2 U	0.2 U		0.2 U
Calcium	ug/L	170 J	40.6 U	95.6 J	45.1 J	86.8 J	40.4 U	144 J		46.6 J
Chromium	ug/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U		0.4 U
Cobalt	ug/L	0.8 U	0.5 U	0.8 U	0.5 U	0.8 U	0.5 U	0.5 U		0.5 U
Copper	ug/L	13.6 J	1.4 J	1.2 J	0.89 J	3.9 J	0.95 J	0.76 J		0.82 J
Iron	ug/L	18.3 J	15.8 J	146	11.8 U	29.3 J	14.4 J	12.7 J		11.8 U
Lead	ug/L	0.8 U	0.9 U	0.8 U	0.89 U	0.8 U	0.89 U	1.2 J		0.89 U
Magnesium	ug/L	31.4 U	34.5 U	39.3 J	34.3 U	31.4 U	34.3 U	34.4 U		34.3 U
Manganese	ug/L	0.5 U	0.2 U	1.4 J	0.2 U	1.2 J	0.27 J	0.27 J		0.2 U
Mercury	ug/L	0.03 U	0.04 U	0.03 U	0.03 U	0.04 U	0.04 J	0.03 J		0.05 J
Nickel	ug/L	0.99 J	0.7 J	3.2 J	3.1 J	0.89 J	6.9 J	3.8 J		0.69 U
Potassium	ug/L	43.8 U	47.4 U	54.6 J	47.1 U	43.6 U	47.1 U	47.3 U		47.1 U
Selenium	ug/L	1.7 U	2.7 U	1.7 U	2.7 U	1.1 J	2.7 U	2.7 U		2.7 U
Silver	ug/L	0.7 U	0.5 U	3.9 U	0.5 U	0.7 U	0.5 U	0.5 U		0.5 U
Sodium	ug/L	1520 J	498 J	1550 J	1050 J	1380 J	1500 J	1110 J		421 J
Thallium	ug/L	1.8 U	1.9 U	1.6 U	3 J	1.2 U	1.9 U	1.9 U		1.9 U
Vanadium	ug/L	0.7 U	0.5 U	0.7 U	0.5 U	0.7 U	0.5 U	0.5 U		0.5 U
Zinc	ug/L	18.5 J	2.2 U	3.7 J	6.5 J	4.1 J	3.9 J	12 J		2.2 U
Cyanide	ug/L	5 U	5 U	5 U	5 U	5.9 U	5 U	5 U		5 U
OTHER ANALYSES										
Nitrate/Nitrite - Nitrogen	mg/L	0.01 U	0.01	0.02		0.77	0.41 U	0.41	0.41 U	0.37 U
Total Petroleum Hydrocarbons	mg/L	0.4 U								

SENECA ARMY DEPOT
 ENVIRONMENTAL SITE INSPECTIONS AT 15 SWMUS
 QUALITY ASSURANCE / QUALITY CONTROL ANALYSIS RESULTS

MATRIX LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
SAMPLE DATE	SEAD-60	SEAD-63	SEAD-63	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-69	SEAD-69	SEAD-69
ES ID	04/20/94	06/27/94	06/28/94	04/11/94	04/11/94	06/24/94	05/17/94	02/17/94	02/17/94	02/17/94
LAB ID	SW60-3R	TP63-7R	TP63-11R	SS64C-1R	SS64C-1RRE	SB64D-3R	SB69-1R	DAF2-17	DAF2-17RE	DAF2-17RE
SDG NUMBER	218492	225567	225800	217071	217071	225474	221353	211776	211776	211776
UNITS	43663	45062	45062	43257	43257	44799	44090	42510	42510	42510
COMPOUND	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	DIST. WATER	DIST. WATER	DIST. WATER
VOLATILE ORGANICS										
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	2 J	10 U	10 U	10 U	10 U	7 J	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
HERBICIDES										
2,4-D	ug/L						1.2 U	1.1 U		
2,4-DB	ug/L						1.2 U	1.1 U		
2,4,5-T	ug/L						0.12 U	0.11 U		
2,4,5-TP (Silvex)	ug/L						0.12 U	0.11 U		
Dalapon	ug/L						2.8 U	2.4 U		
Dicamba	ug/L						0.12 U	0.11 U		
Dichloroprop	ug/L						1.2 U	1.1 U		
Dinoseb	ug/L						0.59 U	0.52 U		
MCPA	ug/L						120 U	110 U		
MCPP	ug/L						120 U	110 U		
NITROAROMATICS										
HMX	ug/L						0.13 U	0.13 U		
RDX	ug/L						0.13 U	0.13 U		
1,3,5-Trinitrobenzene	ug/L						0.13 U	0.13 U		
1,3-Dinitrobenzene	ug/L						0.13 U	0.13 U		
Tetryl	ug/L						0.11 J	0.13 U		
2,4,6-Trinitrotoluene	ug/L						0.13 U	0.13 U		
4-amino-2,6-Dinitrotoluene	ug/L						0.13 U	0.13 U		
2-amino-4,6-Dinitrotoluene	ug/L						0.13 U	0.13 U		
2,6-Dinitrotoluene	ug/L						0.13 U	0.13 U		
2,4-Dinitrotoluene	ug/L						0.13 U	0.13 U		

SENECA ARMY DEPOT
 ENVIRONMENTAL SITE INSPECTIONS AT 15 SWMUS
 QUALITY ASSURANCE / QUALITY CONTROL ANALYSIS RESULTS

MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER	WATER SEAD-60 04/20/94 SW60-3R 218492 43663	WATER SEAD-63 06/27/94 TP63-7R 225567 45062	WATER SEAD-63 06/28/94 TP63-11R 225800 45062	WATER SEAD-64 04/11/94 SS64C-1R 217071 43257	WATER SEAD-64 04/11/94 SS64C-1RRE 225474 43257	WATER SEAD-64 06/24/94 SB64D-3R 221353 44090	WATER SEAD-69 05/17/94 SB69-1R 211776 42510	WATER 02/17/94 DAF2-17 211776 42510	WATER 02/17/94 DAF2-17RE 211776 42510
COMPOUND	UNITS	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	DIST. WATER	DIST. WATER
SEMIVOLATILE ORGANICS									
Phenol	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
bis(2-Chloroethyl) ether	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
2-Chlorophenol	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
1,3-Dichlorobenzene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
1,4-Dichlorobenzene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
1,2-Dichlorobenzene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
2-Methylphenol	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
2,2'-oxybis(1-Chloropropane)	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
4-Methylphenol	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
N-Nitroso-d-n-propylamine	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
Hexachloroethane	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
Nitrobenzene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
Isophorone	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
2-Nitrophenol	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
2,4-Dimethylphenol	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
bis(2-Chloroethoxy) methane	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
2,4-Dichlorophenol	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
1,2,4-Trichlorobenzene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
Naphthalene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
4-Chloroaniline	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
Hexachlorobutadiene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
4-Chloro-3-methylphenol	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
2-Methylnaphthalene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
Hexachlorocyclopentadiene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
2,4,6-Trichlorophenol	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
2,4,5-Trichlorophenol	ug/L	34 U	25 U	27 U	27 U	25 U	25 U	26 U	26 UJ
2-Chloronaphthalene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
2-Nitroaniline	ug/L	34 U	25 U	27 U	27 U	25 U	25 U	26 U	26 UJ
Dimethylphthalate	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
Acenaphthylene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
2,6-Dinitrotoluene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
3-Nitroaniline	ug/L	34 U	25 U	27 U	27 U	25 U	25 U	26 U	26 UJ
Acenaphthene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
2,4-Dinitrophenol	ug/L	34 U	25 U	27 U	27 U	25 U	25 U	26 U	26 UJ
4-Nitrophenol	ug/L	34 U	25 U	27 U	27 U	25 U	25 U	26 U	26 UJ
Dibenzofuran	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
2,4-Dinitrotoluene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
Diethylphthalate	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
4-Chlorophenyl-phenyl ether	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
Fluorene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
4-Nitroaniline	ug/L	34 U	25 U	27 U	27 U	25 U	25 U	26 U	26 UJ
4,6-Dinitro-2-methylphenol	ug/L	34 U	25 U	27 U	27 U	25 U	25 U	26 U	26 UJ
N-Nitrosodiphenylamine	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
4-Bromophenyl-phenyl ether	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
Hexachlorobenzene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
Pentachlorophenol	ug/L	34 U	25 U	27 U	27 U	25 U	25 U	26 U	26 UJ
Phenanthrene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
Anthracene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
Carbazole	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
Di-n-butylphthalate	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
Fluoranthene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
Pyrene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
Butylbenzylphthalate	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
3,3'-Dichlorobenzidine	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
Benzo(a)anthracene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
Chrysene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
bis(2-Ethylhexyl)phthalate	ug/L	14 U	10 U	11 U	11 U	10 U	2 J	10 U	12 UJ
Di-n-octylphthalate	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
Benzo(b)fluoranthene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
Benzo(k)fluoranthene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
Benzo(a)pyrene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
Indeno(1,2,3-cd)pyrene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
Dibenz(a,h)anthracene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ
Benzo(g,h,i)perylene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 UJ

SENECA ARMY DEPOT
 ENVIRONMENTAL SITE INSPECTIONS AT 15 SWMUS
 QUALITY ASSURANCE / QUALITY CONTROL ANALYSIS RESULTS

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COMPOUND	UNITS	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	DIST. WATER
PESTICIDES/PCB									
alpha-BHC	ug/L	0.054 U	0.052 UJ	0.054 U	0.052 U	0.053 U	0.052 U	0.052 U	0.052 U
beta-BHC	ug/L	0.054 U	0.052 UJ	0.054 U	0.052 U	0.053 U	0.052 U	0.052 U	0.052 U
delta-BHC	ug/L	0.054 U	0.052 UJ	0.054 U	0.052 U	0.053 U	0.052 U	0.052 U	0.052 U
gamma-BHC (Lindane)	ug/L	0.054 U	0.052 UJ	0.054 U	0.052 U	0.053 U	0.052 U	0.052 U	0.052 U
Heptachlor	ug/L	0.054 U	0.052 UJ	0.054 U	0.052 U	0.053 U	0.052 U	0.052 U	0.052 U
Aldrin	ug/L	0.054 U	0.052 UJ	0.054 U	0.052 U	0.053 U	0.052 U	0.052 U	0.052 U
Heptachlor epoxide	ug/L	0.054 U	0.052 UJ	0.054 U	0.052 U	0.053 U	0.052 U	0.052 U	0.052 U
Endosulfan I	ug/L	0.054 U	0.052 UJ	0.054 U	0.052 U	0.053 U	0.052 U	0.052 U	0.052 U
Dieldrin	ug/L	0.11 U	0.1 UJ	0.055 J	0.1 U	0.11 U	0.052 U	0.052 U	0.052 U
4,4'-DDE	ug/L	0.11 U	0.1 UJ	0.11 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U
Endrin	ug/L	0.11 U	0.1 UJ	0.062 J	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U
Endosulfan II	ug/L	0.11 U	0.1 UJ	0.11 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U
4,4'-DDD	ug/L	0.11 U	0.1 UJ	0.11 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U
Endosulfan sulfate	ug/L	0.11 U	0.1 UJ	0.11 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U
4,4'-DDT	ug/L	0.11 U	0.1 UJ	0.1 J	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U
Methoxychlor	ug/L	0.54 U	0.52 UJ	0.54 U	0.52 U	0.53 U	0.52 U	0.52 U	0.52 U
Endrin ketone	ug/L	0.11 U	0.1 UJ	0.11 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U
Endrin aldehyde	ug/L	0.11 U	0.1 UJ	0.11 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U
alpha-Chlordane	ug/L	0.054 U	0.052 UJ	0.054 U	0.052 U	0.053 U	0.035 U	0.052 U	0.052 U
gamma-Chlordane	ug/L	0.054 U	0.052 UJ	0.054 U	0.052 U	0.053 U	0.052 U	0.052 U	0.052 U
Toxaphene	ug/L	5.4 U	5.2 UJ	5.4 U	5.2 U	5.3 U	5.2 U	5.2 U	5.2 U
Aroclor-1016	ug/L	1.1 U	1 UJ	1.1 U	1 U	1.1 U	1 U	1 U	1 U
Aroclor-1221	ug/L	2.1 U	2.1 UJ	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Aroclor-1232	ug/L	1.1 U	1 UJ	1.1 U	1 U	1.1 U	1 U	1 U	1 U
Aroclor-1242	ug/L	1.1 U	1 UJ	1.1 U	1 U	1.1 U	1 U	1 U	1 U
Aroclor-1248	ug/L	1.1 U	1 UJ	1.1 U	1 U	1.1 U	1 U	1 U	1 U
Aroclor-1254	ug/L	1.1 U	1 UJ	1.1 U	1 U	1.1 U	1 U	1 U	1 U
Aroclor-1260	ug/L	1.1 U	1 UJ	1.1 U	1 U	1.1 U	1 U	1 U	1 U
METALS									
Aluminum	ug/L	12.6 U	14 J	12.3 J	17.1 J	15.5 J	23 J	12.6 U	12.6 U
Antimony	ug/L	0.99 U	1.3 UJ	1.3 UJ	0.99 U	1.3 U	1 U	1 U	1 U
Arsenic	ug/L	1.5 U	2 UJ	2 UJ	1.5 U	2 U	1.5 U	1.5 U	1.5 U
Barium	ug/L	2.2 U	2 UJ	2 UJ	2.2 U	2 U	2.2 U	2.2 U	2.2 U
Beryllium	ug/L	0.06 U	0.1 UJ	0.1 UJ	0.06 U	0.1 U	0.06 U	0.06 U	0.06 U
Cadmium	ug/L	0.1 U	0.2 UJ	0.2 UJ	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U
Calcium	ug/L	41 U	40.7 UJ	45.3 J	41 U	109 J	41.3 U	41.1 U	41.1 U
Chromium	ug/L	0.4 U	0.4 UJ	0.4 UJ	0.4 U	0.4 U	0.55 J	0.4 U	0.4 U
Cobalt	ug/L	0.6 U	0.5 UJ	0.5 UJ	0.6 U	0.5 U	0.6 U	0.6 U	0.6 U
Copper	ug/L	1.7 J	1.2 J	1.2 J	1.1 J	1.4 J	1.6 J	1.1 J	1.1 J
Iron	ug/L	9.8 U	20.7 J	16.1 J	15.5 J	11.8 U	10.6 J	9.7 U	9.7 U
Lead	ug/L	0.79 U	0.9 UJ	0.9 UJ	0.79 U	0.9 U	0.8 U	0.8 U	0.8 U
Magnesium	ug/L	31.2 U	34.6 UJ	34.5 UJ	31.2 U	34.4 U	31.4 U	31.3 U	31.3 U
Manganese	ug/L	0.5 U	0.2 UJ	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Mercury	ug/L	0.03 U	0.04 UJ	0.04 UJ	0.03 U	0.04 U	0.03 U	0.04 U	0.04 U
Nickel	ug/L	0.73 J	0.73 J	0.88 J	1.9 J	4.1 J	0.66 J	0.6 U	0.6 U
Potassium	ug/L	43.3 U	47.5 UJ	47.4 UJ	43.3 U	47.3 U	43.6 U	43.4 U	43.4 U
Selenium	ug/L	1.7 U	2.7 UJ	2.7 UJ	1.7 U	2.7 U	1.7 U	1.7 U	1.7 U
Silver	ug/L	0.69 U	0.5 UJ	0.5 UJ	0.69 U	0.5 U	0.7 U	0.7 U	0.7 U
Sodium	ug/L	1510 J	461 J	495 J	1580 J	1120 J	1650 J	1440 J	1440 J
Thallium	ug/L	1.6 U	2.2 J	2.6 J	1.6 U	2.3 J	2 J	1.2 U	1.2 U
Vanadium	ug/L	0.69 U	0.5 UJ	0.5 UJ	0.69 U	0.5 U	0.7 U	0.7 U	0.7 U
Zinc	ug/L	2.8 J	2.2 UJ	3.2 J	3 J	11.4 J	19.7 J	2.3 J	2.3 J
Cyanide	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
OTHER ANALYSES									
Nitrate/Nitrite -Nitrogen	mg/L						0.15	0.02	0.02
Total Petroleum Hydrocarbons	mg/L	0.41 U						0.36 U	0.36 U

SENECA ARMY DEPOT
 ENVIRONMENTAL SITE INSPECTIONS AT 15 SWMUS
 QUALITY ASSURANCE / QUALITY CONTROL ANALYSIS RESULTS

MATRIX LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
SAMPLE DATE	02/17/94	02/20/94	02/28/94	03/28/94	03/29/94	03/30/94	04/11/94	04/13/94	04/15/94	04/16/94	
ES ID	TB2-17	TB2-20	TB2-28	TB3-28	TB3-29	TB3-30	TB4-12	TB4-13	TB4-15	TB4-16	
LAB ID	211729	212038	212887	215559	215840	216052	217075	217692	217773	217868	
SDG NUMBER	42460	42494	42510	43179	43179	43179	43257	43535	43549	43549	
UNITS	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	
COMPOUND	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	
VOLATILE ORGANICS											
Chloromethane	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	7 J	10 U	30 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	20 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

SENECA ARMY DEPOT
ENVIRONMENTAL SITE INSPECTIONS AT 15 SWMUS
QUALITY ASSURANCE / QUALITY CONTROL ANALYSIS RESULTS

MATRIX LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
SAMPLE DATE	04/17/94	04/20/94	04/26/94	04/27/94	04/27/94	05/17/94	05/26/94	05/27/94	06/07/94	06/10/94	
ES ID	TB4-17	TB4-20	TB4-26	TB4-27	TB4-28	TB5-17	TB5-26	TB5-27	TB6-7	TB6-10	
LAB ID	218096	218494	219468	219489	219532	221358	222476	222477	223343	223917	
SDG NUMBER	43549	43663	43810	43810	43626	44090	44410	44410	44665	44748	
UNITS	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	
COMPOUND	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	
VOLATILE ORGANICS											
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	4 J	10 U	10 U	5 J	2 J	8 J	4 J	10	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

SENECA ARMY DEPOT
 ENVIRONMENTAL SITE INSPECTIONS AT 15 SWMUS
 QUALITY ASSURANCE / QUALITY CONTROL ANALYSIS RESULTS

MATRIX LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
SAMPLE DATE	06/11/94	06/12/94	06/13/94	06/14/94	06/22/94	06/24/94	06/25/94	06/27/94	06/28/94	07/07/94	
ES ID	TB6-11	TB6-12	TB6-13	TB6-14	TB6-22	TB6-24	TB6-25	TB6-27	TB6-28	TB7-7	
LAB ID	223900	224125	224126	224161	225193	225500	225554	225585	225799	226312	
SDG NUMBER	44745	44745	44745	44745	44745	45048	45058	45058	45062	45257	
UNITS	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	
VOLATILE ORGANICS											
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	6 J	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

SENECA ARMY DEPOT
 ENVIRONMENTAL SITE INSPECTIONS AT 15 SWMUS
 QUALITY ASSURANCE / QUALITY CONTROL ANALYSIS RESULTS

	MATRIX LOCATION SAMP LE DATE ES ID LAB ID SDG NUMBER UNITS	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
COMPOUND		07/08/94 TB7-8 22639 1 45257 BLANK	07/09/94 TB7-9 22639 4 45257 BLANK	07/10/94 TB7-10 22648 9 45282 BLANK	07/11/94 TB7-11 22668 9 45282 BLANK	07/12/94 TB7-12 22679 6 45332 BLANK	07/13/94 TB7-13 22679 7 45332 BLANK	07/18/94 TB7-18 22727 0 45332 BLANK	07/19/94 TB7-19 22745 0 45332 BLANK	07/20/94 TB7-20 22761 2 45448 BLANK	07/21/94 TB7-21 22773 6 45448 BLANK
VOLATILE ORGANICS											
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U	7 J	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

SENECA ARMY DEPOT
EXPANDED SITE INSPECTIONS AT 15 SWMUs
QUALITY ASSURANCE\QUALITY CONTROL RADIOACTIVITY ANALYSIS RESULTS

	MEDIA SWMU	WATER SEAD-12	WATER SEAD-12	WATER SEAD-12	WATER SEAD-12	WATER SEAD-63	WATER SEAD-63	WATER SEAD-64
	DATE SAMPLED	6/22/94	7/19/94	6/13/94	6/25/94	6/27/94	6/28/94	6/24/94
	ES ID	SD12A-1R	MW12B-1R	MW12B-1.03R	TP12B-3R	TP63-7R	TP63-11R	SB64D-3R
	LAB ID	255655	227879	224305	225668	225679	225823	225627
	UNITS	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE
Gross Alpha	pCi/L	1 ± 1	0 ± 1	1 ± 1	1 ± 1	0 ± 1	0 ± 1	1 ± 1
Gross Beta	pCi/L	2 ± 1	1 ± 1	2 ± 1	2 ± 1	7 ± 1	1 ± 1	23 ± 2
Tritium (Oxide)	pCi/mL	NA	-0.04 ± 0.21	NA	NA	NA	NA	NA
Gamma Spectral								
Lead-210 @ 46KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Thorium-234 @ 63.3 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Thorium-234 @ 92.6 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Radium-226 @ 186 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Lead-214 @ 295.2 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Lead-214 @ 352 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Bismuth-214 @ 609.4 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Bismuth-214 @ 1120.4 Ke	pCi/L	ND	ND	ND	ND	ND	ND	ND
Bismuth-214 @ 1764.7 Ke	pCi/L	ND	ND	ND	ND	ND	ND	ND
Actinium-228 @ 338 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Actinium-228 @ 911 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Actinium-228 @ 968 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Lead-212 @ 238 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Bismuth-212 @ 727 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Thallium-208 @ 583 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Thallium-208 @ 860 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Uranium-235 @ 143.8 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Cesium-137 @ 661 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Potassium-40 @ 1460 KeV	pCi/L	-47 ± 56	ND	-1 ± 70	-3 ± 70	-22 ± 57	9 ± 75	-35 ± 68
Radon-226 @ 186 KeV	pCi/L	ND	ND	ND	ND	NA	NA	NA