

SENECA ARMY DEPOT

ROMULUS, NEW YORK

00884



10 SWMU

(7 High Priority and 3 Moderate Priority)

EXPANDED SITE INSPECTION

VALIDATED DATA TABLES

A P R I L 1 9 9 4

ENGINEERING-SCIENCE, INC.
BOSTON, MASSACHUSETTS

SENECA ARMY DEPOT
SEAD-4 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-4 0-0.5 12/13/93 SS4-1 206836	SOIL SEAD-4 0-0.5 12/13/93 SS4-2 206837	SOIL SEAD-4 0-0.5 12/13/93 SS4-3 206838	SOIL SEAD-4 0-0.5 12/13/93 SS4-4 206839	SOIL SEAD-4 0-0.5 12/13/93 SS4-5 206840	SOIL SEAD-4 0-0.5 12/13/93 SS4-6 206841	SOIL SEAD-4 0-0.5 12/13/93 SS4-7 206842	SOIL SEAD-4 0-2 12/06/93 SB4-1.1 206255	SOIL SEAD-4 0-2 12/06/93 SB4-1.5 206268	SOIL SEAD-4 4-6 12/06/93 SB4-1.3 206267
VOLATILE ORGANICS										
Chloromethane	14 U	12 U	13 U	14 U	13 U	13 U	24 U	12 U	12 U	12 U
Bromomethane	14 U	12 U	13 U	14 U	13 U	13 U	24 U	12 U	12 U	12 U
Vinyl Chloride	14 U	12 U	13 U	14 U	13 U	13 U	24 U	12 U	12 U	12 U
Chloroethane	14 U	12 U	13 U	14 U	13 U	13 U	24 U	12 U	12 U	12 U
Methylene Chloride	14 U	12 U	13 U	14 U	13 U	13 U	24 U	12 U	12 U	12 U
Acetone	14 U	12 U	13 U	14 U	13 U	13 U	24 U	12 U	12 U	12 U
Carbon Disulfide	14 U	12 U	13 U	14 U	13 U	13 U	24 U	12 U	12 U	12 U
1,1-Dichloroethane	14 U	12 U	13 U	14 U	13 U	13 U	24 U	12 U	12 U	12 U
1,1-Dichloroethane	14 U	12 U	13 U	14 U	13 U	13 U	24 U	12 U	12 U	12 U
1,2-Dichloroethane (total)	14 U	12 U	13 U	14 U	13 U	13 U	24 U	12 U	12 U	12 U
Chloroform	14 U	12 U	13 U	14 U	13 U	13 U	24 U	12 U	12 U	12 U
1,2-Dichloroethane	14 U	12 U	13 U	14 U	13 U	13 U	24 U	12 U	12 U	12 U
2-Butanone	14 U	12 U	13 U	14 U	13 U	13 U	24 U	12 U	12 U	12 U
1,1,1-Trichloroethane	14 U	12 U	13 U	14 U	13 U	13 U	24 U	12 U	12 U	12 U
Carbon Tetrachloride	14 U	12 U	13 U	14 U	13 U	13 U	24 U	12 U	12 U	12 U
Bromodichloromethane	14 U	12 U	13 U	14 U	13 U	13 U	24 U	12 U	12 U	12 U
1,2-Dichloropropane	14 U	12 U	13 U	14 U	13 U	13 U	24 U	12 U	12 U	12 U
cis-1,3-Dichloropropene	14 U	12 U	13 U	14 U	13 U	13 U	24 U	12 U	12 U	12 U
Trichloroethene	14 U	12 U	13 U	14 U	13 U	13 U	24 U	12 U	12 U	12 U
Dibromochloromethane	14 U	12 U	13 U	14 U	13 U	13 U	24 U	12 U	12 U	12 U
1,1,2-Trichloroethane	14 U	12 U	13 U	14 U	13 U	13 U	24 U	12 U	12 U	12 U
Benzene	14 U	12 U	13 U	14 U	13 U	13 U	24 U	12 U	12 U	12 U
trans-1,3-Dichloropropene	14 U	12 U	13 U	14 U	13 U	13 U	24 U	12 U	12 U	12 U
Bromoform	14 U	12 U	13 U	14 U	13 U	13 U	24 U	12 U	12 U	12 U
4-Methyl-2-Pentanone	14 U	12 U	13 U	14 U	13 U	13 U	24 U	12 U	12 U	12 U
2-Hexanone	14 U	12 U	13 U	14 U	13 U	13 U	24 U	12 U	12 U	12 U
Tetrachloroethene	14 U	12 U	13 U	14 U	13 U	13 U	24 U	12 U	12 U	12 U
1,1,2,2-Tetrachloroethane	14 U	12 U	13 U	14 U	13 U	13 U	24 U	12 U	12 U	12 U
Toluene	14 U	12 U	13 U	14 U	13 U	13 U	24 U	12 U	12 U	12 U
Chlorobenzene	14 U	12 U	13 U	14 U	13 U	13 U	24 U	12 U	12 U	12 U
Ethylbenzene	14 U	12 U	13 U	14 U	13 U	13 U	24 U	12 U	12 U	12 U
Styrene	14 U	12 U	13 U	14 U	13 U	13 U	24 U	12 U	12 U	12 U
Xylene (total)	14 U	12 U	13 U	14 U	13 U	13 U	24 U	12 U	12 U	12 U
MTBE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES										
2,4-D	61 U	60 U	63 U	63 U	61 U	67 U	110 UJ	59 U	60 U	59 U
2,4-DB	61 U	60 U	63 U	63 U	61 U	67 U	110 UJ	59 U	60 U	59 U
2,4,5-T	6.1 U	6 U	6.3 U	6.3 U	6.1 U	6.7 U	11 UJ	5.9 U	6 U	5.9 U
2,4,5-TP (Silvex)	6.1 U	6 U	6.3 U	6.3 U	6.1 U	6.7 U	11 UJ	5.9 U	6 U	5.9 U
Dalapon	150 U	150 U	150 U	150 U	150 U	160 U	260 UJ	150 U	150 U	150 U
Dicamba	6.1 U	6 U	6.3 U	6.3 U	6.1 U	6.7 U	11 UJ	5.9 U	6 U	5.9 U
Dichloroprop	61 U	60 U	63 U	63 U	61 U	67 U	110 UJ	59 U	60 U	59 U
Dinoseb	31 U	30 U	32 U	32 U	31 U	34 U	54 UJ	30 U	30 U	30 U
MCPA	6100 U	6000 U	6300 U	6300 U	6100 U	6700 U	11000 UJ	5900 U	6000 U	5900 U
MCPP	6100 U	6000 U	6300 U	6300 U	6100 U	6700 U	11000 UJ	5900 U	6000 U	5900 U
NITROAROMATICS										
HMX	130 U	130 U	130 U	130 U	130 U	130 U	130 UJ	130 U	130 U	130 U
RDX	130 U	130 U	130 U	130 U	130 U	130 U	130 UJ	130 U	130 U	130 U
1,3,5-Trinitrobenzene	120 J	130 U	130 U	130 U	130 U	130 U	130 UJ	130 U	130 U	130 U
1,3-Dinitrobenzene	130 U	130 U	130 U	130 U	130 U	130 U	130 UJ	130 U	130 U	130 U
Tetryl	130 U	130 U	130 U	130 U	130 U	130 U	130 UJ	130 U	130 U	130 U
2,4,6-Trinitrotoluene	72 J	130 U	130 U	130 U	130 U	130 U	130 UJ	130 U	130 U	130 U
4-amino-2,6-Dinitrotoluene	130 U	130 U	130 U	130 U	130 U	130 U	130 UJ	130 U	130 U	130 U
2-amino-4,6-Dinitrotoluene	90 J	130 U	130 U	130 U	130 U	130 U	130 UJ	130 U	130 U	130 U
2,6-Dinitrotoluene	130 U	130 U	130 U	130 U	130 U	130 U	130 UJ	130 U	130 U	130 U
2,4-Dinitrotoluene	130 U	130 U	130 U	130 U	130 U	130 U	130 UJ	130 U	130 U	130 U

NOTES:
NS stands for NOT SAMPLED
NA stands for NOT ANALYZED

SENECA ARMY DEPOT
SEAD-4 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

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SEMIVOLATILE ORGANICS										
Phend	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
bis(2-Chloroethyl) ether	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
2-Chlorophend	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
1,3-Dichlorobenzene	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
1,4-Dichlorobenzene	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
1,2-Dichlorobenzene	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
2-Methylphend	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
2,2'-oxybis(1-Chloropropane)	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
4-Methylphend	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
N-Nitroso-di-n-propylamine	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
Hexachloroethane	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
Nitrobenzene	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
Isophorone	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
2-Nitrophenol	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
2,4-Dimethylphend	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
bis(2-Chloroethoxy) methane	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
2,4-Dichlorophenol	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
1,2,4-Trichlorobenzene	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
Naphthalene	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
4-Chloroaniline	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
Hexachlorobutadiene	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
4-Chloro-3-methylphenol	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
2-Methylnaphthalene	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
Hexachlorocyclopentadiene	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
2,4,6-Trichlorophenol	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
2,4,5-Trichlorophenol	ug/Kg 980 U	980 U	1000 U	1000 U	980 U	1100 U	1700 UJ	940 U	950 U	940 U
2-Chloronaphthalene	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
2-Nitroaniline	ug/Kg 980 U	980 U	1000 U	1000 U	980 U	1100 U	1700 UJ	940 U	950 U	940 U
Dimethylphthalate	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
Acenaphthylene	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
2,6-Dinitrotoluene	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
3-Nitroaniline	ug/Kg 980 U	980 U	1000 U	1000 U	980 U	1100 U	1700 UJ	940 U	950 U	940 U
Acenaphthene	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
2,4-Dinitrophenol	ug/Kg 980 U	980 U	1000 U	1000 U	980 U	1100 U	1700 UJ	940 U	950 U	940 U
4-Nitrophenol	ug/Kg 980 U	980 U	1000 U	1000 U	980 U	1100 U	1700 UJ	940 U	950 U	940 U
Dibenzofuran	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
2,4-Dinitrotoluene	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
Diethylphthalate	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
4-Chlorophenyl-phenylether	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
Fluorene	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
4-Nitroaniline	ug/Kg 980 U	980 U	1000 U	1000 U	980 U	1100 U	1700 UJ	940 U	950 U	940 U
4,6-Dinitro-2-methylphenol	ug/Kg 980 U	980 U	1000 U	1000 U	980 U	1100 U	1700 UJ	940 U	950 U	940 U
N-Nitrosodiphenylamine	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
4-Bromophenyl-phenylether	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
Hexachlorobenzene	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
Pentachlorophend	ug/Kg 980 U	980 U	1000 U	1000 U	980 U	1100 U	1700 UJ	940 U	950 U	940 U
Phenanthrene	ug/Kg 110 J	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
Anthracene	ug/Kg 25 J	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
Carbazole	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
Di-n-butylphthalate	ug/Kg 85 J	400 U	410 U	410 U	400 U	440 U	720 UJ	58 J	50 J	52 J
Fluoranthene	ug/Kg 230 J	18 J	410 U	410 U	19 J	23 J	64 J	390 U	390 U	390 U
Pyrene	ug/Kg 210 J	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
Butylbenzylphthalate	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
3,3'-Dichlorobenzidine	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
Benzo(a)anthracene	ug/Kg 110 J	400 U	410 U	410 U	400 U	440 U	720 UJ	48 J	390 U	390 U
Chrysene	ug/Kg 140 J	400 U	410 U	410 U	400 U	440 U	720 UJ	67 J	390 U	390 U
bis(2-Ethylhexyl)phthalate	ug/Kg 45 J	400 U	410 U	410 U	33 J	44 U	86 J	390 U	390 U	390 U
Di-n-octylphthalate	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
Benzo(b)fluoranthene	ug/Kg 150 J	400 U	410 U	410 U	24 J	400 U	90 J	390 U	390 U	390 U
Benzo(k)fluoranthene	ug/Kg 65 J	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
Benzo(a)pyrene	ug/Kg 100 J	400 U	410 U	410 U	400 U	440 U	56 J	390 U	390 U	390 U
Indeno(1,2,3-cd)pyrene	ug/Kg 75 J	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
Dibenz(a,h)anthracene	ug/Kg 400 U	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U
Benzo(g,h,i)perylene	ug/Kg 66 J	400 U	410 U	410 U	400 U	440 U	720 UJ	390 U	390 U	390 U

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SEAD-4 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-4 0-0.5 12/13/93 SS4-1 206838	SOIL SEAD-4 0-0.5 12/13/93 SS4-2 206837	SOIL SEAD-4 0-0.5 12/13/93 SS4-3 206838	SOIL SEAD-4 0-0.5 12/13/93 SS4-4 206839	SOIL SEAD-4 0-0.5 12/13/93 SS4-5 206840	SOIL SEAD-4 0-0.5 12/13/93 SS4-6 206841	SOIL SEAD-4 0-0.5 12/13/93 SS4-7 206842	SOIL SEAD-4 0-2 12/06/93 SB4-1.1 206265	SOIL SEAD-4 0-2 12/06/93 SB4-1.5 206268	SOIL SEAD-4 4-6 12/06/93 SB4-1.3 206267
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.3 U	3.7 UJ	2 UJ	2 U	2 U
beta-BHC	ug/Kg	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.3 U	3.7 UJ	2 UJ	2 U	2 U
delta-BHC	ug/Kg	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.3 U	3.7 UJ	2 UJ	2 U	2 U
gamma-BHC (Lindane)	ug/Kg	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.3 U	3.7 UJ	2 UJ	2 U	2 U
Heptachlor	ug/Kg	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.3 U	3.7 UJ	2 UJ	2 U	2 U
Aldrin	ug/Kg	2.2 J	2 U	2.1 U	2.1 U	2.1 U	2.3 U	3.7 UJ	2 UJ	2 U	2 U
Heptachlor epoxide	ug/Kg	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.3 U	3.7 UJ	2 UJ	2 U	2 U
Endosulfan I	ug/Kg	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.3 U	3.7 UJ	2 UJ	2 U	2 U
Dieldrin	ug/Kg	4 U	4 U	4.1 U	4.1 U	4 U	5.4 J	7.2 UJ	3.9 UJ	3.9 U	3.9 U
4,4'-DDE	ug/Kg	8.5 J	4 U	4.1 U	4.1 U	4 U	4.4 U	7.2 UJ	3.9 UJ	3.9 U	3.9 U
Endrin	ug/Kg	4 U	4 U	4.1 U	4.1 U	4 U	4.4 U	7.2 UJ	3.9 UJ	3.9 U	3.9 U
Endosulfan II	ug/Kg	3.1 J	4 U	4.1 U	4.1 U	4 U	4.4 U	7.2 UJ	3.9 UJ	3.9 U	3.9 U
4,4'-DDD	ug/Kg	2.5 J	4 U	4.1 U	4.1 U	4 U	4.4 U	7.2 UJ	3.9 UJ	3.9 U	3.9 U
Endosulfan sulfate	ug/Kg	3.8 J	4 U	4.1 U	4.1 U	4 U	4.4 U	7.2 UJ	3.9 UJ	3.9 U	3.9 U
4,4'-DDT	ug/Kg	6.2 J	4 U	4.1 U	4.1 U	4 U	4.4 U	7.2 UJ	3.9 UJ	3.9 U	3.9 U
Methoxychlor	ug/Kg	21 U	20 U	21 U	21 U	21 U	23 U	37 UJ	20 UJ	20 U	20 U
Endrin ketone	ug/Kg	4 U	4 U	4.1 U	4.1 U	4 U	4.4 U	7.2 UJ	3.9 UJ	3.9 U	3.9 U
Endrin aldehyde	ug/Kg	4 U	4 U	4.1 U	4.1 U	4 U	4.4 U	7.2 UJ	3.9 UJ	3.9 U	3.9 U
alpha-Chlordane	ug/Kg	4.9 J	2 U	2.1 U	2.1 U	2.1 U	2.3 U	3.7 UJ	2 UJ	2 U	2 U
gamma-Chlordane	ug/Kg	1.1 J	2 U	2.1 U	2.1 U	2.1 U	2.3 U	3.7 UJ	2 UJ	2 U	2 U
Toxaphene	ug/Kg	210 U	200 U	210 U	210 U	210 U	230 U	370 UJ	200 UJ	200 U	200 U
Aroclor-1016	ug/Kg	40 U	40 U	41 U	41 U	40 U	44 U	72 UJ	39 UJ	39 U	39 U
Aroclor-1221	ug/Kg	82 U	81 U	84 U	84 U	82 U	89 U	150 UJ	79 UJ	80 U	79 U
Aroclor-1232	ug/Kg	40 U	40 U	41 U	41 U	40 U	44 U	72 UJ	39 UJ	39 U	39 U
Aroclor-1242	ug/Kg	40 U	40 U	41 U	41 U	40 U	44 U	72 UJ	39 UJ	39 U	39 U
Aroclor-1248	ug/Kg	40 U	40 U	41 U	41 U	40 U	44 U	72 UJ	39 UJ	39 U	39 U
Aroclor-1254	ug/Kg	250 J	40 U	41 U	41 U	28 J	44 U	70 J	39 UJ	39 U	39 U
Aroclor-1260	ug/Kg	40 U	40 U	41 U	41 U	40 U	44 U	110 J	39 UJ	39 U	39 U
METALS											
Aluminum	mg/Kg	15600	18700	10300	15100	15900	18800	14100 J	14800	21000	15300
Antimony	mg/Kg	3.9 UJ	4.3 UJ	37.1 J	78.9 J	96.1 J	5.9 J	7.8 UJ	4.8 UJ	3.8 UJ	5 UJ
Arsenic	mg/Kg	5.9	5.9	7	6.1	9.8	7	13.1 J	6.2	4.2	3.9
Barium	mg/Kg	62	76.1	34.4	58.2	92.1	129	277 J	72	97.7	40.4 J
Beryllium	mg/Kg	0.69 J	0.84 J	0.53 J	0.7 J	0.73 J	1 J	1.8 J	0.73 J	0.64 J	0.74 J
Cadmium	mg/Kg	0.38 U	0.42 U	0.36 U	0.51 U	0.48 U	0.54 U	1.8 J	0.47 U	0.37 U	0.49 U
Calcium	mg/Kg	14300	3480	11200	6930	7210	5410	196000 J	4280	2460	30900
Chromium	mg/Kg	25.3 J	56.1 J	1790 J	4200 J	4870 J	395 J	34.1 J	23.2	27.9	27.6
Cobalt	mg/Kg	12.7	15.3	10.2	12.8	14.9	17.7	12.4 J	11.3	5.9 J	16.5
Copper	mg/Kg	20 J	40.6 J	1350 J	3410 J	3120 J	234 J	335 J	14.1	15.1	62.8
Iron	mg/Kg	29800	33600	21900	31000	31000	34300	64600 J	27500	19500	34300
Lead	mg/Kg	23.7	12	27.3	19	27.2	19	102 J	17.7 J	9.8 J	7.5 J
Magnesium	mg/Kg	6850	8100	4400	5950	5470	5030	8550 J	4270	4460	7130
Manganese	mg/Kg	708	638	335	339	533	1080	1220 J	615 J	119 J	337
Mercury	mg/Kg	0.02 J	0.04 J	0.15	0.21	0.15	0.04 J	0.27 J	0.05 J	0.04 J	0.04 J
Nickel	mg/Kg	36.8	40.1	25.9	34.3	35.3	37.2	228 J	27.8	25.1	47.6
Potassium	mg/Kg	1650	1930	861	1310	1870	2080	2340 J	1250	2490	1300
Selenium	mg/Kg	0.27 J	0.15 U	0.2 J	0.16 J	0.21 J	0.55 J	3.4 J	0.4 J	0.23 J	0.09 U
Silver	mg/Kg	0.76 U	0.84 U	0.72 U	1 U	0.96 U	1.1 U	1.5 UJ	0.93 U	0.74 U	0.98 U
Sodium	mg/Kg	61.8 J	49.2 J	57.8 J	50.4 J	47.7 J	54.9 J	1270 J	43.8 U	39.2 J	105 J
Thallium	mg/Kg	0.21 U	0.26 U	0.25 U	0.18 U	0.26 U	0.3 U	0.49 UJ	0.23 U	0.23 U	0.16 U
Vanadium	mg/Kg	22.9	14.7	21.7	24.1	28.7	31.7	1250 J	28.6	31	22.2
Zinc	mg/Kg	65.9	98.5	568	755	636	140	859 J	79.8	72.1	102
Cyanide	mg/Kg	0.55 U	0.57 U	0.6 U	0.62 U	0.58 U	0.58 U	0.89 UJ	0.52 U	0.53 U	0.53 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg	0.05	0.1	0.1	1.51	0.07	0.08	0.11	0.07	0.04	0.05
Total Solids	%WW	82	83.2	79.8	79.7	81.8	75.1	45.8	85.2	83.8	85.2
Total Petroleum Hydrocarbons	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoride	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
pH	standard units	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-4 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-4 8-10 12/06/93 SB4-1.6 206269	SOIL SEAD-4 0-2 11/10/93 SB4-2.1 204099	SOIL SEAD-4 2-4 11/10/93 SB4-2.2 204100	SOIL SEAD-4 0-2 11/10/93 SB4-3.1 204101	SOIL SEAD-4 4-6 11/10/93 SB4-3.3 204102	SOIL SEAD-4 6-8 11/10/93 SB4-3.4 204103	SOIL SEAD-4 0-2 12/05/93 SB4-4.1 206144	SOIL SEAD-4 0-2 12/05/93 SB4-4.1RE 206144	SOIL SEAD-4 0-2 12/05/93 SB4-4.5 206148	SOIL SEAD-4 0-2 12/05/93 SB4-4.5RE 206148	
VOLATILE ORGANICS												
Chloromethane	ug/Kg	11 U	12 U	11 U	11 U	11 U	10 U	13 U	NS	13 U	NS	NS
Bromomethane	ug/Kg	11 U	12 U	11 U	11 U	11 U	10 U	13 U	NS	13 U	NS	NS
Vinyl Chloride	ug/Kg	11 U	12 U	11 U	11 U	11 U	10 U	13 U	NS	13 U	NS	NS
Chloroethane	ug/Kg	11 U	12 U	11 U	11 U	11 U	10 U	13 U	NS	13 U	NS	NS
Methylene Chloride	ug/Kg	11 U	12 U	11 U	11 U	11 U	10 U	13 U	NS	13 U	NS	NS
Acetone	ug/Kg	11 U	19 U	11 U	11 U	11 U	10 U	2 J	NS	13 U	NS	NS
Carbon Disulfide	ug/Kg	11 U	12 U	11 U	11 U	11 U	10 U	13 U	NS	13 U	NS	NS
1,1-Dichloroethane	ug/Kg	11 U	12 U	11 U	11 U	11 U	10 U	13 U	NS	13 U	NS	NS
1,1-Dichloroethane	ug/Kg	11 U	12 U	11 U	11 U	11 U	10 U	13 U	NS	13 U	NS	NS
1,2-Dichloroethane (total)	ug/Kg	11 U	12 U	11 U	11 U	11 U	10 U	13 U	NS	13 U	NS	NS
Chloroform	ug/Kg	11 U	12 U	11 U	11 U	11 U	10 U	13 U	NS	13 U	NS	NS
1,2-Dichloroethane	ug/Kg	11 U	12 U	11 U	11 U	11 U	10 U	13 U	NS	13 U	NS	NS
2-Butanone	ug/Kg	11 U	12 U	11 U	11 U	11 U	10 U	13 U	NS	13 U	NS	NS
1,1,1-Trichloroethane	ug/Kg	11 U	12 U	11 U	11 U	11 U	10 U	13 U	NS	13 U	NS	NS
Carbon Tetrachloride	ug/Kg	11 U	12 U	11 U	11 U	11 U	10 U	13 U	NS	13 U	NS	NS
Bromochloromethane	ug/Kg	11 U	12 U	11 U	11 U	11 U	10 U	13 U	NS	13 U	NS	NS
1,2-Dichloropropane	ug/Kg	11 U	12 U	11 U	11 U	11 U	10 U	13 U	NS	13 U	NS	NS
cis-1,3-Dichloropropene	ug/Kg	11 U	12 U	11 U	11 U	11 U	10 U	13 U	NS	13 U	NS	NS
Trichloroethene	ug/Kg	11 U	12 U	11 U	11 U	11 U	10 U	13 U	NS	13 U	NS	NS
Dibromochloromethane	ug/Kg	11 U	12 U	11 U	11 U	11 U	10 U	13 U	NS	13 U	NS	NS
1,1,2-Trichloroethane	ug/Kg	11 U	12 U	11 U	11 U	11 U	10 U	13 U	NS	13 U	NS	NS
Benzene	ug/Kg	11 U	12 U	11 U	11 U	11 U	10 U	13 U	NS	13 U	NS	NS
trans-1,3-Dichloropropene	ug/Kg	11 U	12 U	11 U	11 U	11 U	10 U	13 U	NS	13 U	NS	NS
Bromoform	ug/Kg	11 U	12 U	11 U	11 U	11 U	10 U	13 U	NS	13 U	NS	NS
4-Methyl-2-Pentanone	ug/Kg	11 U	12 U	11 U	11 U	11 U	10 U	13 U	NS	13 U	NS	NS
2-Hexanone	ug/Kg	11 U	12 U	11 U	11 U	11 U	10 U	13 U	NS	13 U	NS	NS
Tetrachloroethene	ug/Kg	11 U	12 U	11 U	11 U	11 U	10 U	13 U	NS	13 U	NS	NS
1,1,2,2-Tetrachloroethane	ug/Kg	11 U	12 U	11 U	11 U	11 U	10 U	13 U	NS	13 U	NS	NS
Toluene	ug/Kg	11 U	12 U	11 U	11 U	11 U	10 U	13 U	NS	13 U	NS	NS
Chlorobenzene	ug/Kg	11 U	12 U	11 U	11 U	11 U	10 U	13 U	NS	13 U	NS	NS
Ethylbenzene	ug/Kg	11 U	12 U	11 U	11 U	11 U	10 U	13 U	NS	13 U	NS	NS
Styrene	ug/Kg	11 U	12 U	11 U	11 U	11 U	10 U	13 U	NS	13 U	NS	NS
Xylene (total)	ug/Kg	11 U	12 U	11 U	11 U	11 U	10 U	13 U	NS	13 U	NS	NS
MTBE	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES												
2,4-D	ug/Kg	55 U	82 U	53 U	55 U	55 UJ	54 U	69 U	NS	64 U	NS	NS
2,4-DB	ug/Kg	55 U	82 U	53 U	55 U	55 UJ	54 U	69 U	NS	64 U	NS	NS
2,4,5-T	ug/Kg	5.5 U	6.2 U	5.3 U	5.5 U	5.5 UJ	5.4 U	6.9 U	NS	6.4 U	NS	NS
2,4,5-TP (Silvex)	ug/Kg	5.5 U	6.2 U	5.3 U	5.5 U	5.5 UJ	5.4 U	6.9 U	NS	6.4 U	NS	NS
Dalapon	ug/Kg	140 U	150 U	130 U	140 U	130 UJ	130 U	170 U	NS	160 U	NS	NS
Dicamba	ug/Kg	5.5 U	6.2 U	5.3 U	5.5 U	5.5 UJ	5.4 U	23	NS	6.4 U	NS	NS
Dichloroprop	ug/Kg	55 U	62 U	53 U	55 U	55 UJ	54 U	69 U	NS	64 U	NS	NS
Dinoseb	ug/Kg	28 U	31 U	27 U	28 U	28 UJ	27 U	35 U	NS	32 U	NS	NS
MCPA	ug/Kg	5500 U	6200 U	5300 U	5500 U	5500 UJ	5400 U	6900 U	NS	6400 U	NS	NS
MCPP	ug/Kg	5500 U	6200 U	5300 U	5500 U	5500 UJ	5400 U	6900 U	NS	6400 U	NS	NS
NITROAROMATICS												
HMX	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	NS	130 U	NS	NS
RDX	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	NS	130 U	NS	NS
1,3,5-Trinitrobenzene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	NS	130 U	NS	NS
1,3-Dinitrobenzene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	NS	130 U	NS	NS
Tetryl	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	NS	130 U	NS	NS
2,4,6-Trinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	NS	130 U	NS	NS
4-amino-2,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	NS	130 U	NS	NS
2-amino-4,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	NS	130 U	NS	NS
2,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	NS	130 U	NS	NS
2,4-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	NS	130 U	NS	NS

SENECA ARMY DEPOT
SEAD-4 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID	SOIL SEAD-4 8-10 12/06/93 SB4-1.6 206269	SOIL SEAD-4 0-2 11/10/93 SB4-2.1 204099	SOIL SEAD-4 2-4 11/10/93 SB4-2.2 204100	SOIL SEAD-4 0-2 11/10/93 SB4-3.1 204101	SOIL SEAD-4 4-6 11/10/93 SB4-3.3 204102	SOIL SEAD-4 6-8 11/10/93 SB4-3.4 204103	SOIL SEAD-4 0-2 12/05/93 SB4-4.1 206144	SOIL SEAD-4 0-2 12/05/93 SB4-4.1RE 206144	SOIL SEAD-4 0-2 12/05/93 SB4-4.5 206148	SOIL SEAD-4 0-2 12/05/93 SB4-4.5RE 206148
COMPOUND UNITS										
SEMIVOLATILE ORGANICS										
Phend	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
bis(2-Chloroethyl) ether	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
2-Chlorophend	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
1,3-Dichlorobenzene	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
1,4-Dichlorobenzene	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
1,2-Dichlorobenzene	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
2-Methylphend	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
2,2'-oxybis(1-Chloropropane)	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
4-Methylphend	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
N-Nitroso-d-n-propylamine	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
Hexachloroethane	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
Nitrobenzene	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
Isophorone	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
2-Nitrophenol	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
2,4-Dimethylphenol	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
bis(2-Chloroethoxy) methane	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
2,4-Dichlorophenol	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
1,2,4-Trichlorobenzene	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
Naphthalene	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
4-Chloroaniline	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
Hexachlorobutadiene	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
4-Chloro-3-methylphenol	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
2-Methylnaphthalene	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
Hexachlorocyclopentadiene	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
2,4,6-Trichlorophenol	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
2,4,5-Trichlorophenol	ugKg 880 U	970 U	830 U	870 U	860 U	850 U	1100 U	1100 UJ	2000 U	990 UJ
2-Chloronaphthalene	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
2-Nitroaniline	ugKg 880 U	970 U	830 U	870 U	860 U	850 U	1100 U	1100 UJ	2000 U	990 UJ
Dimethylphthalate	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
Aceraphthylene	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
2,6-Dinitrotoluene	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
3-Nitroaniline	ugKg 880 U	970 U	830 U	870 U	860 U	850 U	1100 U	1100 UJ	2000 U	990 UJ
Aceraphthene	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
2,4-Dinitrophenol	ugKg 880 U	970 U	830 U	870 U	860 U	850 U	1100 U	1100 UJ	2000 U	990 UJ
4-Nitrophenol	ugKg 880 U	970 U	830 U	870 U	860 U	850 U	1100 U	1100 UJ	2000 U	990 UJ
Dibenzofuran	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
2,4-Dinitrotoluene	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
Diethylphthalate	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
4-Chlorophenyl-phenylether	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
Fluorene	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
4-Nitroaniline	ugKg 880 U	970 U	830 U	870 U	860 U	850 U	1100 U	1100 UJ	2000 U	990 UJ
4,6-Dinitro-2-methylphenol	ugKg 880 U	970 U	830 U	870 U	860 U	850 U	1100 U	1100 UJ	2000 U	990 UJ
N-Nitrosodiphenylamine	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
4-Bromophenyl-phenylether	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
Hexachlorobenzene	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
Pentachlorophend	ugKg 880 U	970 U	830 U	870 U	860 U	850 U	1100 U	1100 UJ	2000 U	990 UJ
Phenanthrene	ugKg 360 U	400 U	340 U	28 J	350 U	350 U	450 U	450 UJ	850 U	410 UJ
Anthracene	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
Carbazole	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
Di-n-butylphthalate	ugKg 48 J	28 J	18 J	29 J	19 J	19 J	450 U R	450 UJ	850 U R	410 UJ
Fluoranthene	ugKg 360 U	400 U	340 U	62 J	350 U	350 U	450 U	450 UJ	850 U	410 UJ
Pyrene	ugKg 360 U	400 U	340 U	52 J	350 U	350 U	450 U	450 UJ	850 U	410 UJ
Butylberzylphthalate	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U R	450 UJ	850 U R	410 UJ
3,3'-Dichlorobenzidine	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
Benzo(a)anthracene	ugKg 360 U	400 U	340 U	28 J	350 U	350 U	450 U	450 UJ	850 U	410 UJ
Chrysenes	ugKg 360 U	400 U	340 U	39 J	350 U	350 U	450 U	450 UJ	850 U	410 UJ
bis(2-Ethylhexyl)phthalate	ugKg 360 U	1900	1100	2000	1500	1400	180 J R	47 J	540 J R	130 J
Di-n-octylphthalate	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
Benzob(fluoranthene	ugKg 360 U	400 U	340 U	32 J	350 U	350 U	450 U	450 UJ	850 U	410 UJ
Benzok(fluoranthene	ugKg 360 U	400 U	340 U	31 J	350 U	350 U	450 U	450 UJ	850 U	410 UJ
Benzop(a)pyrene	ugKg 360 U	400 U	340 U	27 J	350 U	350 U	450 U	450 UJ	850 U	410 UJ
Indeno(1,2,3-cd)pyrene	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
Dibenz(b,h)anthracene	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ
Benzog(g,h,i)perylene	ugKg 360 U	400 U	340 U	360 U	350 U	350 U	450 U	450 UJ	850 U	410 UJ

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SEAD-4 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-4 8-10 12/06/93 SB4-1.6 206269	SOIL SEAD-4 0-2 11/10/93 SB4-2.1 204099	SOIL SEAD-4 2-4 11/10/93 SB4-2.2 204100	SOIL SEAD-4 0-2 11/10/93 SB4-3.1 204101	SOIL SEAD-4 4-6 11/10/93 SB4-3.3 204102	SOIL SEAD-4 6-8 11/10/93 SB4-3.4 204103	SOIL SEAD-4 0-2 12/05/93 SB4-4.1 206144	SOIL SEAD-4 0-2 12/05/93 SB4-4.1RE 206144	SOIL SEAD-4 0-2 12/05/93 SB4-4.5 206148	SOIL SEAD-4 0-2 12/05/93 SB4-4.1DUP 206148	SOIL SEAD-4 0-2 12/05/93 SB4-4.5RE 206148	SOIL SEAD-4 0-2 12/05/93 SB4-4.1DUP 206148
PESTICIDES/PCB												
alpha-BHC	ug/Kg	1.9 UJ	2.1 U	1.8 U	1.9 U	1.8 U	1.8 U	2.3 U	NS	2.2 UJ	NS	NS
beta-BHC	ug/Kg	1.9 UJ	2.1 U	1.8 U	1.9 U	1.8 U	1.8 U	2.3 U	NS	2.2 UJ	NS	NS
delta-BHC	ug/Kg	1.9 UJ	2.1 U	1.8 U	1.9 U	1.8 U	1.8 U	2.3 U	NS	2.2 UJ	NS	NS
gamma-BHC (Lindane)	ug/Kg	1.9 UJ	2.1 U	1.8 U	1.9 U	1.8 U	1.8 U	2.3 U	NS	2.2 UJ	NS	NS
Heptachlor	ug/Kg	1.9 UJ	2.1 U	1.8 U	1.9 U	1.8 U	1.8 U	2.3 U	NS	2.2 UJ	NS	NS
Aldrin	ug/Kg	1.9 UJ	2.1 U	1.8 U	1.9 U	1.8 U	1.8 U	2.3 U	NS	2.2 UJ	NS	NS
Heptachlor epoxide	ug/Kg	1.9 UJ	2.1 U	1.8 U	1.9 U	1.8 U	1.8 U	2.3 U	NS	2.2 UJ	NS	NS
Endosulfan I	ug/Kg	1.9 UJ	2.1 U	1.8 U	1.9 U	1.8 U	1.8 U	2.3 U	NS	2.2 UJ	NS	NS
Dieldrin	ug/Kg	3.6 UJ	4.1 U	3.5 U	3.6 U	3.6 U	3.5 U	4.5 U	NS	4.2 UJ	NS	NS
4,4'-DDE	ug/Kg	3.6 UJ	4.1 U	3.5 U	3.2 J	3.6 U	3.5 U	4.5 U	NS	4.2 UJ	NS	NS
Endrin	ug/Kg	3.6 UJ	4.1 U	3.5 U	3.6 U	3.6 U	3.5 U	4.5 U	NS	4.2 UJ	NS	NS
Endosulfan II	ug/Kg	3.6 UJ	4.1 U	3.5 U	3.6 U	3.6 U	3.5 U	4.5 U	NS	4.2 UJ	NS	NS
4,4'-DDD	ug/Kg	3.6 UJ	4.1 U	3.5 U	3.6 U	3.6 U	3.5 U	4.5 U	NS	4.2 UJ	NS	NS
Endosulfan sulfate	ug/Kg	3.6 UJ	4.1 U	3.5 U	3.6 U	3.6 U	3.5 U	4.5 U	NS	4.2 UJ	NS	NS
4,4'-DDT	ug/Kg	3.6 UJ	4.1 U	3.5 U	3.6 U	3.6 U	3.5 U	4.5 U	NS	4.2 UJ	NS	NS
Methoxychlor	ug/Kg	19 UJ	21 U	18 U	19 U	18 U	18 U	23 U	NS	22 UJ	NS	NS
Endrin ketone	ug/Kg	3.6 UJ	4.1 U	3.5 U	3.6 U	3.6 U	3.5 U	4.5 U	NS	4.2 UJ	NS	NS
Endrin aldehyde	ug/Kg	3.6 UJ	4.1 U	3.5 U	3.6 U	3.6 U	3.5 U	4.5 U	NS	4.2 UJ	NS	NS
alpha-Chlordane	ug/Kg	1.9 UJ	2.1 U	1.8 U	1.9 U	1.8 U	1.8 U	2.3 U	NS	2.2 UJ	NS	NS
gamma-Chlordane	ug/Kg	1.9 UJ	2.1 U	1.8 U	1.9 U	1.8 U	1.8 U	2.3 U	NS	2.2 UJ	NS	NS
Toxaphene	ug/Kg	190 UJ	210 U	180 U	190 U	180 U	180 U	230 U	NS	220 UJ	NS	NS
Aroclor-1016	ug/Kg	36 UJ	41 U	35 U	36 U	36 U	35 U	45 U	NS	42 UJ	NS	NS
Aroclor-1221	ug/Kg	74 UJ	83 U	71 U	74 U	73 U	71 U	91 U	NS	85 UJ	NS	NS
Aroclor-1232	ug/Kg	36 UJ	41 U	35 U	36 U	36 U	35 U	45 U	NS	42 UJ	NS	NS
Aroclor-1242	ug/Kg	36 UJ	41 U	35 U	36 U	36 U	35 U	45 U	NS	42 UJ	NS	NS
Aroclor-1248	ug/Kg	36 UJ	41 U	27 J	36 U	36 U	35 U	45 U	NS	42 UJ	NS	NS
Aroclor-1254	ug/Kg	36 UJ	41 U	35 U	28 J	36 U	35 U	29 J	NS	42 UJ	NS	NS
Aroclor-1260	ug/Kg	36 UJ	41 U	35 U	36 U	36 U	35 U	45 U	NS	42 UJ	NS	NS
METALS												
Aluminum	mg/Kg	19200	16300	15600	9590	9680	9730	16100	NS	16200	NS	NS
Antimony	mg/Kg	2.8 UJ	10.5 U	7.8 U	5.8 U	10.1 U	5.8 U	16.1 J	NS	57.8 J	NS	NS
Arsenic	mg/Kg	21.5	5.8 J	4.2 J	4.9 J	6.8 J	8.5 J	6.9	NS	7.1	NS	NS
Barium	mg/Kg	81.2	133	46	29.8	49.6	39.7	107	NS	122	NS	NS
Beryllium	mg/Kg	1	1	0.72 J	0.48 J	0.43 J	0.52 J	0.8 J	NS	0.8 J	NS	NS
Cadmium	mg/Kg	0.27 U	0.66 U R	0.48 U R	0.37 U R	0.63 U R	0.36 U R	0.51 U	NS	0.34 U	NS	NS
Calcium	mg/Kg	14400	2900	12700	24700	59600	31400	4500	NS	6840	NS	NS
Chromium	mg/Kg	32.7	22.9	27.5	19.1	17.3	17.2	936	R	2670	R	NS
Cobalt	mg/Kg	29.1	12.5	14.3	11.1	9.9	12.5	11.8 J	NS	15.2	NS	NS
Copper	mg/Kg	21.6	17 J	27.5 J	27.8 J	19.1 J	17.5 J	1290 J	NS	1520 J	NS	NS
Iron	mg/Kg	37900	28600	33900	21900	22300	21200	28400	NS	33700	NS	NS
Lead	mg/Kg	9.1 J	14.4	8.3	19.7	5.4	10.1	20.9 J	NS	19.1 J	NS	NS
Magnesium	mg/Kg	8040	3770	7160	4920	12100	5810	4380	NS	5110	NS	NS
Manganese	mg/Kg	795 R	1340	436	338	388	373	564	NS	917	NS	NS
Mercury	mg/Kg	0.04 J	0.03 U	0.02 U	0.03 J	0.02 U	0.04 U	0.03 U	NS	0.04 J	NS	NS
Nickel	mg/Kg	82.3	27.3	42.7	28.6	28.6	28.5	39.6	NS	35.4	NS	NS
Potassium	mg/Kg	2030	1270	1210	923	1090	1050	1510	NS	1430	NS	NS
Selenium	mg/Kg	0.14 U	0.32 J	0.21 UJ	0.36 J	0.2 UJ	0.22 UJ	0.73 J	R	0.76 J	R	NS
Silver	mg/Kg	0.64 J	1.3 UJ	0.97 UJ	0.74 UJ	1.3 UJ	0.73 UJ	1 U	NS	0.68 U	NS	NS
Sodium	mg/Kg	91.6 J	39.3 J	71.1 J	78.8 J	126 J	96 J	51.3 J	NS	49.2 J	NS	NS
Thallium	mg/Kg	0.24 U	0.23 UJ	0.22 UJ	0.24 UJ	0.21 UJ	0.24 UJ	0.18 U	NS	0.24 U	NS	NS
Vanadium	mg/Kg	29.3	29.3	22.5	15	15.5	13.8	25.3	NS	27.7	NS	NS
Zinc	mg/Kg	115	61.3 J	95 J	45.5 J	87.3 J	69.4 J	1010	NS	423	NS	NS
Cyanide	mg/Kg	0.47 U	0.61 U	0.49 U	0.52 U	0.51 U	0.52 U	0.73 U	NS	0.63 U	NS	NS
OTHER ANALYSES												
Nitrate/Nitrite-Nitrogen	mg/Kg	0.02	0.58	0.04	0.15	0.06	0.05	0.05	NS	0.01	NS	NS
Total Solids	%W/W	91.1	80.8	94.9	90.8	90.9	93.6	73.3	NS	78.3	NS	NS
Total Petroleum Hydrocarbons	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoride	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
pH	standard units	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-4 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-4 4-6 12/05/93 SB4-4.2 206145	SOIL SEAD-4 4-6 12/05/93 SB4-4.2RE 206145	SOIL SEAD-4 6-8 12/05/93 SB4-4.3 206147	SOIL SEAD-4 6-8 12/05/93 SB4-4.3RE 206147	SOIL SEAD-4 0-2 12/05/93 SB4-5.1 206149	SOIL SEAD-4 0-2 12/05/93 SB4-5.1RE 206149	SOIL SEAD-4 0-2 12/05/93 SB4-5.2 206150	SOIL SEAD-4 2-4 12/05/93 SB4-5.2RE 206150	SOIL SEAD-4 0-2 12/06/93 SB4-6.1 206270	SOIL SEAD-4 2-4 12/06/93 SB4-6.2 206271	
VOLATILE ORGANICS											
Chloromethane ug/Kg	11 U	NS	11 U	NS	11 U	NS	11 U	NS	13 U	11 U	
Bromomethane ug/Kg	11 U	NS	11 U	NS	11 U	NS	11 U	NS	13 U	11 U	
Vinyl Chloride ug/Kg	11 U	NS	11 U	NS	11 U	NS	11 U	NS	13 U	11 U	
Chloroethane ug/Kg	11 U	NS	11 U	NS	11 U	NS	11 U	NS	13 U	11 U	
Methylene Chloride ug/Kg	11 U	NS	11 U	NS	11 U	NS	11 U	NS	13 U	11 U	
Acetone ug/Kg	11 U	NS	11 U	NS	11 U	NS	11 U	NS	13 U	11 U	
Carbon Disulfide ug/Kg	11 U	NS	11 U	NS	11 U	NS	11 U	NS	13 U	11 U	
1,1-Dichloroethane ug/Kg	11 U	NS	11 U	NS	11 U	NS	11 U	NS	13 U	11 U	
1,1-Dichloroethane ug/Kg	11 U	NS	11 U	NS	11 U	NS	11 U	NS	13 U	11 U	
1,2-Dichloroethane (total) ug/Kg	11 U	NS	11 U	NS	11 U	NS	11 U	NS	13 U	11 U	
Chloroform ug/Kg	11 U	NS	11 U	NS	11 U	NS	11 U	NS	13 U	11 U	
1,2-Dichloroethane ug/Kg	11 U	NS	11 U	NS	11 U	NS	11 U	NS	13 U	11 U	
2-Butanone ug/Kg	11 U	NS	11 U	NS	11 U	NS	11 U	NS	13 U	11 U	
1,1,1-Trichloroethane ug/Kg	11 U	NS	11 U	NS	11 U	NS	11 U	NS	13 U	11 U	
Carbon Tetrachloride ug/Kg	11 U	NS	11 U	NS	11 U	NS	11 U	NS	13 U	11 U	
Bromodichloromethane ug/Kg	11 U	NS	11 U	NS	11 U	NS	11 U	NS	13 U	11 U	
1,2-Dichloropropane ug/Kg	11 U	NS	11 U	NS	11 U	NS	11 U	NS	13 U	11 U	
cis-1,3-Dichloropropene ug/Kg	11 U	NS	11 U	NS	11 U	NS	11 U	NS	13 U	11 U	
Trichloroethene ug/Kg	11 U	NS	11 U	NS	11 U	NS	11 U	NS	13 U	11 U	
Dibromochloromethane ug/Kg	11 U	NS	11 U	NS	11 U	NS	11 U	NS	13 U	11 U	
1,1,2-Trichloroethane ug/Kg	11 U	NS	11 U	NS	11 U	NS	11 U	NS	13 U	11 U	
Benzene ug/Kg	11 U	NS	11 U	NS	11 U	NS	11 U	NS	13 U	11 U	
trans-1,3-Dichloropropene ug/Kg	11 U	NS	11 U	NS	11 U	NS	11 U	NS	13 U	11 U	
Bromoform ug/Kg	11 U	NS	11 U	NS	11 U	NS	11 U	NS	13 U	11 U	
4-Methyl-2-Pentanone ug/Kg	11 U	NS	11 U	NS	11 U	NS	11 U	NS	13 U	11 U	
2-Hexanone ug/Kg	11 U	NS	11 U	NS	11 U	NS	11 U	NS	13 U	11 U	
Tetrachloroethene ug/Kg	11 U	NS	11 U	NS	11 U	NS	11 U	NS	13 U	11 U	
1,1,2,2-Tetrachloroethane ug/Kg	11 U	NS	11 U	NS	11 U	NS	11 U	NS	13 U	11 U	
Toluene ug/Kg	11 U	NS	11 U	NS	11 U	NS	11 U	NS	13 U	11 U	
Chlorobenzene ug/Kg	11 U	NS	11 U	NS	11 U	NS	11 U	NS	13 U	11 U	
Ethylbenzene ug/Kg	11 U	NS	11 U	NS	11 U	NS	11 U	NS	13 U	11 U	
Styrene ug/Kg	11 U	NS	11 U	NS	11 U	NS	11 U	NS	13 U	11 U	
Xylene (total) ug/Kg	11 U	NS	11 U	NS	11 U	NS	11 U	NS	13 U	11 U	
MTBE ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
HERBICIDES											
2,4-D ug/Kg	54 U	NS	55 U	NS	59 U	NS	58 U	NS	67 U	54 U	
2,4-DB ug/Kg	54 U	NS	55 U	NS	59 U	NS	58 U	NS	67 U	54 U	
2,4,5-T ug/Kg	5.4 U	NS	5.5 U	NS	5.9 U	NS	5.8 U	NS	6.7 U	5.4 U	
2,4,5-TP (Silvex) ug/Kg	5.4 U	NS	5.5 U	NS	5.9 U	NS	5.8 U	NS	6.7 U	5.4 U	
Dalapon ug/Kg	130 U	NS	140 U	NS	150 U	NS	140 U	NS	160 U	130 U	
Dicamba ug/Kg	5.4 U	NS	5.5 U	NS	5.9 U	NS	5.8 U	NS	6.7 U	5.4 U	
Dichloroprop ug/Kg	54 U	NS	55 U	NS	59 U	NS	58 U	NS	67 U	54 U	
Dinoseb ug/Kg	27 U	NS	28 U	NS	30 U	NS	29 U	NS	34 U	27 U	
MCPA ug/Kg	5400 U	NS	5500 U	NS	5900 U	NS	5800 U	NS	6700 U	5400 U	
MCPP ug/Kg	5400 U	NS	5500 U	NS	5900 U	NS	5800 U	NS	6700 U	5400 U	
NITROAROMATICS											
HMX ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	130 U	
RDX ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	130 U	
1,3,5-Trinitrobenzene ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	130 U	
1,3-Dinitrobenzene ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	130 U	
Tetryl ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	130 U	
2,4,6-Trinitrotoluene ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	130 U	
4-amino-2,6-Dinitrotoluene ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	130 U	
2-amino-4,6-Dinitrotoluene ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	130 U	
2,6-Dinitrotoluene ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	130 U	
2,4-Dinitrotoluene ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	130 U	

SENECA ARMY DEPOT
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SEMIVOLATILE ORGANICS											
Phend	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
bis(2-Chloroethyl) ether	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
2-Chlorophend	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
1,3-Dichlorobenzene	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
1,4-Dichlorobenzene	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
1,2-Dichlorobenzene	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
2-Methylphend	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
4-Methylphend	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
N-Nitroso-d-n-propylamine	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
Hexachloroethane	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
Nitrobenzene	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
Isophorone	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
2-Nitrophenol	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
2,4-Dimethylphenol	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
bis(2-Chloroethoxy) methane	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
2,4-Dichlorophenol	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
1,2,4-Trichlorobenzene	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
Naphthalene	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
4-Chloroaniline	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
Hexachlorobutadiene	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
4-Chloro-3-methylphenol	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
2-Methylnaphthalene	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
Hexachlorocyclopentadiene	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
2,4,6-Trichlorophenol	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
2,4,5-Trichlorophenol	ug/Kg	870 U	860 UJ	890 U	890 UJ	940 U	910 UJ	930 U	900 UJ	1100 U	860 U
2-Chloronaphthalene	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
2-Nitroaniline	ug/Kg	870 U	860 UJ	890 U	890 UJ	940 U	910 UJ	930 U	900 UJ	1100 U	860 U
Dimethylphthalate	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
Aceaphthylene	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
2,6-Dinitrotoluene	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
3-Nitroaniline	ug/Kg	870 U	860 UJ	890 U	890 UJ	940 U	910 UJ	930 U	900 UJ	1100 U	860 U
Aceaphthylene	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
2,4-Dinitrophenol	ug/Kg	870 U	860 UJ	890 U	890 UJ	940 U	910 UJ	930 U	900 UJ	1100 U	860 U
4-Nitrophenol	ug/Kg	870 U	860 UJ	890 U	890 UJ	940 U	910 UJ	930 U	900 UJ	1100 U	860 U
Dibenzofuran	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
2,4-Dinitrotoluene	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
Diethylphthalate	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
4-Chlorophenyl-phenylether	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
Fluorene	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
4-Nitroaniline	ug/Kg	870 U	860 UJ	890 U	890 UJ	940 U	910 UJ	930 U	900 UJ	1100 U	860 U
4,6-Dinitro-2-methylphenol	ug/Kg	870 U	860 UJ	890 U	890 UJ	940 U	910 UJ	930 U	900 UJ	1100 U	860 U
N-Nitrosodiphenylamine	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
4-Bromophenyl-phenylether	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
Hexachlorobenzene	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
Pentachlorophend	ug/Kg	870 U	860 UJ	890 U	890 UJ	940 U	910 UJ	930 U	900 UJ	1100 U	860 U
Phenanthrene	ug/Kg	360 U	350 UJ	370 U	370 UJ	45 J	120 J	380 U	370 UJ	440 U	350 U
Anthracene	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	33 J	380 U	370 UJ	440 U	350 U
Carbazole	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
Di-n-butylphthalate	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
Fluoranthene	ug/Kg	360 U	350 UJ	370 U	370 UJ	60 J	280 J	380 U	370 UJ	440 U	350 U
Pyrene	ug/Kg	360 U	350 UJ	370 U	370 UJ	140 J	380 U	380 U	370 UJ	440 U	350 U
Butylbenzylphthalate	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
3,3'-Dichlorobenzidine	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
Benz(a)anthracene	ug/Kg	360 U	350 UJ	370 U	370 UJ	53 J	210 J	380 U	370 UJ	440 U	350 U
Chrysene	ug/Kg	360 U	350 UJ	370 U	370 UJ	74 J	260 J	380 U	370 UJ	440 U	350 U
bis(2-Ethylhexyl)phthalate	ug/Kg	66 J	110 J	130 J	370 UJ	31 J	37 J	380 U	370 UJ	440 U	350 U
Di-n-octylphthalate	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	380 UJ	380 U	370 UJ	440 U	350 U
Benzo(b)fluoranthene	ug/Kg	360 U	350 UJ	370 U	370 UJ	41 J	130 J	380 U	370 UJ	440 U	350 U
Benzo(k)fluoranthene	ug/Kg	360 U	350 UJ	370 U	370 UJ	52 J	150 J	380 U	370 UJ	440 U	350 U
Benzo(a)pyrene	ug/Kg	360 U	350 UJ	370 U	370 UJ	53 J	180 J	380 U	370 UJ	440 U	350 U
Indeno(1,2,3-cd)pyrene	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	59 J	380 U	370 UJ	440 U	350 U
Dibenz(a,h)anthracene	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	32 J	380 U	370 UJ	440 U	350 U
Benzo(g,h,i)perylene	ug/Kg	360 U	350 UJ	370 U	370 UJ	390 U	120 J	380 U	370 UJ	440 U	350 U

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MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-4 4-6 12/05/93 SB4-4.2 206145	SOIL SEAD-4 4-6 12/05/93 SB4-4.2RE 206145	SOIL SEAD-4 6-8 12/05/93 SB4-4.3 206147	SOIL SEAD-4 6-8 12/05/93 SB4-4.3RE 206147	SOIL SEAD-4 0-2 12/05/93 SB4-5.1 206149	SOIL SEAD-4 0-2 12/05/93 SB4-5.1RE 206149	SOIL SEAD-4 0-2 12/05/93 SB4-5.2 206150	SOIL SEAD-4 2-4 12/05/93 SB4-5.2RE 206150	SOIL SEAD-4 0-2 12/06/93 SB4-6.1 206270	SOIL SEAD-4 2-4 12/06/93 SB4-6.2 206271
PESTICIDES/PCB										
alpha-BHC	ug/Kg 1.8 U	NS	1.9 U	NS	9.8 U	NS	2 U	NS	2.3 UJ	1.8 UJ
beta-BHC	ug/Kg 1.8 U	NS	1.9 U	NS	9.8 U	NS	2 U	NS	2.3 UJ	1.8 UJ
delta-BHC	ug/Kg 1.8 U	NS	1.9 U	NS	5.9 J	NS	2 U	NS	2.3 UJ	1.8 UJ
gamma-BHC (Lindane)	ug/Kg 1.8 U	NS	1.9 U	NS	9.8 U	NS	2 U	NS	2.3 UJ	1.8 UJ
Heptachlor	ug/Kg 1.8 U	NS	1.9 U	NS	9.8 U	NS	2 U	NS	2.3 UJ	1.8 UJ
Aldrin	ug/Kg 1.8 U	NS	1.9 U	NS	8.2 J	NS	2 U	NS	2.3 UJ	1.8 UJ
Heptachlor epoxide	ug/Kg 1.8 U	NS	1.9 U	NS	9.8 U	NS	2 U	NS	2.3 UJ	1.8 UJ
Endosulfan I	ug/Kg 1.8 U	NS	1.9 U	NS	11	NS	2 U	NS	2.3 UJ	1.8 UJ
Dieldrin	ug/Kg 3.6 U	NS	3.7 U	NS	19 U	NS	3.8 U	NS	4.4 UJ	3.5 UJ
4,4'-DDE	ug/Kg 3.6 U	NS	3.7 U	NS	21 J	NS	3.8 U	NS	4.4 UJ	3.5 UJ
Endrin	ug/Kg 3.6 U	NS	3.7 U	NS	34 J	NS	3.8 U	NS	4.4 UJ	3.5 UJ
Endosulfan II	ug/Kg 3.6 U	NS	3.7 U	NS	19 U	NS	3.8 U	NS	4.4 UJ	3.5 UJ
4,4'-DDD	ug/Kg 3.6 U	NS	3.7 U	NS	19 U	NS	3.8 U	NS	4.4 UJ	3.5 UJ
Endosulfan sulfate	ug/Kg 3.6 U	NS	3.7 U	NS	19 U	NS	3.8 U	NS	4.4 UJ	3.5 UJ
4,4'-DDT	ug/Kg 3.6 U	NS	3.7 U	NS	19 U	NS	3.8 U	NS	4.4 UJ	3.5 UJ
Methoxychlor	ug/Kg 18 U	NS	19 U	NS	98 U	NS	20 U	NS	23 UJ	18 UJ
Endrin ketone	ug/Kg 3.6 U	NS	3.7 U	NS	19 U	NS	3.8 U	NS	4.4 UJ	3.5 UJ
Endrin aldehyde	ug/Kg 3.6 U	NS	3.7 U	NS	19 U	NS	3.8 U	NS	4.4 UJ	3.5 UJ
alpha-Chlordane	ug/Kg 1.8 U	NS	1.9 U	NS	10 J	NS	2 U	NS	2.3 UJ	1.8 UJ
gamma-Chlordane	ug/Kg 1.8 U	NS	1.9 U	NS	9.8 U	NS	2 U	NS	2.3 UJ	1.8 UJ
Toxaphene	ug/Kg 180 U	NS	190 U	NS	980 U	NS	200 U	NS	230 UJ	180 UJ
Aroclor-1018	ug/Kg 36 U	NS	37 U	NS	190 U	NS	38 U	NS	44 UJ	35 UJ
Aroclor-1221	ug/Kg 73 U	NS	74 U	NS	390 U	NS	77 U	NS	89 UJ	72 UJ
Aroclor-1232	ug/Kg 36 U	NS	37 U	NS	190 U	NS	38 U	NS	44 UJ	35 UJ
Aroclor-1242	ug/Kg 36 U	NS	37 U	NS	190 U	NS	38 U	NS	44 UJ	35 UJ
Aroclor-1248	ug/Kg 36 U	NS	37 U	NS	190 U	NS	38 U	NS	44 UJ	35 UJ
Aroclor-1254	ug/Kg 36 U	NS	37 U	NS	160 U	NS	38 U	NS	44 UJ	35 UJ
Aroclor-1260	ug/Kg 36 U	NS	37 U	NS	190 U	NS	38 U	NS	44 UJ	35 UJ
METALS										
Aluminum	mg/Kg 9500	NS	10200	NS	15000	NS	15700	NS	17100	12800
Antimony	mg/Kg 3.4 UJ	NS	4.4 UJ	NS	6.3 J	NS	3.5 J	NS	4.8 UJ	4 UJ
Arsenic	mg/Kg 4.5	NS	5	NS	3.3	NS	6.9	NS	7.3	5.5
Barium	mg/Kg 45.4	NS	50.5	NS	92.7	NS	99.8	NS	132	37.1 J
Beryllium	mg/Kg 0.37 J	NS	0.38 J	NS	0.65 J	NS	0.65 J	NS	0.96 J	0.64 J
Cadmium	mg/Kg 0.33 U	NS	0.42 U	NS	0.66 J	NS	0.3 U	NS	0.46 U	0.39 U
Calcium	mg/Kg 65300	NS	61300	NS	42800	NS	55000	NS	3750	12400
Chromium	mg/Kg 21.8 R	NS	75.8 R	NS	23.5 R	NS	26.5 R	NS	25.7	24.4
Cobalt	mg/Kg 10.5	NS	9.8 J	NS	12.3	NS	9.5	NS	12.5	14.9
Copper	mg/Kg 19.8 J	NS	52.8 J	NS	26.2 J	NS	28.1 J	NS	25.7	19.5
Iron	mg/Kg 20500	NS	24400	NS	27900	NS	26700	NS	28600	28600
Lead	mg/Kg 8.7 J	NS	6.8 J	NS	116	NS	11.8 J	NS	18.8 J	11 J
Magnesium	mg/Kg 11700	NS	8390	NS	10200	NS	11800	NS	4560	5820
Manganese	mg/Kg 543	NS	540	NS	648	NS	436	NS	1260 R	415 R
Mercury	mg/Kg 0.03 J	NS	0.04 U	NS	0.03 J	NS	0.04 U	NS	0.08 J	0.02 J
Nickel	mg/Kg 24.8	NS	27.2	NS	34.9	NS	32.4	NS	35.2	39.3
Potassium	mg/Kg 1040	NS	1090	NS	1720	NS	1400	NS	2000	1250
Selenium	mg/Kg 0.1 UJ	NS	0.23 J R	NS	0.32 J R	NS	0.45 J R	NS	0.86 J	0.12 U
Silver	mg/Kg 0.67 U	NS	0.85 U	NS	0.75 U	NS	0.8 U	NS	1 J	0.78 U
Sodium	mg/Kg 118 J	NS	132 J	NS	90.1 J	NS	106 J	NS	43.7 U	49.1 J
Thallium	mg/Kg 0.16 U	NS	0.2 U	NS	0.2 U	NS	0.22 U	NS	0.24 U	0.2 U
Vanadium	mg/Kg 13.1	NS	14.4	NS	23.8	NS	24.4	NS	29	18.5
Zinc	mg/Kg 61.8	NS	112	NS	238	NS	67.3	NS	87.4	91.5
Cyanide	mg/Kg 0.62 U	NS	0.54 U	NS	0.59 U	NS	0.58 U	NS	0.6 U	0.52 U
OTHER ANALYSES										
Nitrate/Nitrite-Nitrogen	mg/Kg 0.03	NS	0.01	NS	0.01	NS	0.14	NS	0.16	0.04
Total Solids	%W/W 92.2	NS	89.9	NS	85.1	NS	86.4	NS	75.3	93.1
Total Petroleum Hydrocarbons	mg/Kg NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoride	mg/Kg NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
pH	standard units NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-4 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-4 0-2 12/05/93 SB4-7.1 206151	SOIL SEAD-4 0-2 12/05/93 SB4-7.1RE 206151	SOIL SEAD-4 4-6 12/05/93 SB4-7.3 206152	SOIL SEAD-4 4-6 12/05/93 SB4-7.3RE 206152	SOIL SEAD-4 6-8 12/05/93 SB4-7.4 206153	SOIL SEAD-4 6-8 12/05/93 SB4-7.4RE 206153	SOIL SEAD-4 6-8 12/05/93 SB4-7.4RE 206153	SOIL SEAD-4 0-2 12/05/93 SB4-8.1 206154	SOIL SEAD-4 0-2 12/05/93 SB4-8.1RE 206154	SOIL SEAD-4 2-4 12/05/93 SB4-8.2 206155	SOIL SEAD-4 2-4 12/05/93 SB4-8.2RE 206155
VOLATILE ORGANICS											
Chloromethane	ug/Kg	12 U	NS	11 U	NS	11 U	NS	12 U	NS	12 U	NS
Bromomethane	ug/Kg	12 U	NS	11 U	NS	11 U	NS	12 U	NS	12 U	NS
Vinyl Chloride	ug/Kg	12 U	NS	11 U	NS	11 U	NS	12 U	NS	12 U	NS
Chloroethane	ug/Kg	12 U	NS	11 U	NS	11 U	NS	12 U	NS	12 U	NS
Methylene Chloride	ug/Kg	12 U	NS	11 U	NS	11 U	NS	12 U	NS	12 U	NS
Acetone	ug/Kg	12 U	NS	11 U	NS	11 U	NS	12 U	NS	12 U	NS
Carbon Disulfide	ug/Kg	12 U	NS	11 U	NS	11 U	NS	12 U	NS	12 U	NS
1,1-Dichloroethane	ug/Kg	12 U	NS	11 U	NS	11 U	NS	12 U	NS	12 U	NS
1,1-Dichloroethane	ug/Kg	12 U	NS	11 U	NS	11 U	NS	12 U	NS	12 U	NS
1,2-Dichloroethane (total)	ug/Kg	12 U	NS	11 U	NS	11 U	NS	12 U	NS	12 U	NS
Chloroform	ug/Kg	12 U	NS	11 U	NS	11 U	NS	12 U	NS	14 U	NS
1,2-Dichloroethane	ug/Kg	12 U	NS	11 U	NS	11 U	NS	12 U	NS	12 U	NS
2-Butanone	ug/Kg	12 U	NS	11 U	NS	11 U	NS	12 U	NS	12 U	NS
1,1,1-Trichloroethane	ug/Kg	12 U	NS	11 U	NS	11 U	NS	12 U	NS	12 U	NS
Carbon Tetrachloride	ug/Kg	12 U	NS	11 U	NS	11 U	NS	12 U	NS	12 U	NS
Bromodichloromethane	ug/Kg	12 U	NS	11 U	NS	11 U	NS	12 U	NS	12 U	NS
1,2-Dichloropropane	ug/Kg	12 U	NS	11 U	NS	11 U	NS	12 U	NS	12 U	NS
cis-1,3-Dichloropropene	ug/Kg	12 U	NS	11 U	NS	11 U	NS	12 U	NS	12 U	NS
Trichloroethene	ug/Kg	12 U	NS	11 U	NS	11 U	NS	12 U	NS	12 U	NS
Dibromochloromethane	ug/Kg	12 U	NS	11 U	NS	11 U	NS	12 U	NS	12 U	NS
1,1,2-Trichloroethane	ug/Kg	12 U	NS	11 U	NS	11 U	NS	12 U	NS	12 U	NS
Benzene	ug/Kg	12 U	NS	11 U	NS	11 U	NS	12 U	NS	12 U	NS
trans-1,3-Dichloropropene	ug/Kg	12 U	NS	11 U	NS	11 U	NS	12 U	NS	12 U	NS
Bromoform	ug/Kg	12 U	NS	11 U	NS	11 U	NS	12 U	NS	12 U	NS
4-Methyl-2-Pentanone	ug/Kg	12 U	NS	11 U	NS	11 U	NS	12 U	NS	12 U	NS
2-Hexanone	ug/Kg	12 U	NS	11 U	NS	11 U	NS	12 U	NS	12 U	NS
Tetrachloroethene	ug/Kg	12 U	NS	11 U	NS	11 U	NS	12 U	NS	12 U	NS
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	NS	11 U	NS	11 U	NS	12 U	NS	12 U	NS
Toluene	ug/Kg	12 U	NS	11 U	NS	11 U	NS	12 U	NS	12 U	NS
Chlorobenzene	ug/Kg	12 U	NS	11 U	NS	11 U	NS	12 U	NS	12 U	NS
Ethylbenzene	ug/Kg	12 U	NS	11 U	NS	11 U	NS	12 U	NS	12 U	NS
Styrene	ug/Kg	12 U	NS	11 U	NS	11 U	NS	12 U	NS	12 U	NS
Xylene (total)	ug/Kg	12 U	NS	11 U	NS	11 U	NS	12 U	NS	12 U	NS
MTBE	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES											
2,4-D	ug/Kg	55 U	NS	57 U	NS	55 U	NS	58 U	NS	58 U	NS
2,4-DB	ug/Kg	55 U	NS	57 U	NS	55 U	NS	58 U	NS	58 U	NS
2,4,5-T	ug/Kg	5.5 U	NS	5.7 U	NS	5.5 U	NS	5.8 U	NS	5.8 U	NS
2,4,5-TP (Silvex)	ug/Kg	5.5 U	NS	5.7 U	NS	5.5 U	NS	5.8 U	NS	5.8 U	NS
Dalapon	ug/Kg	140 U	NS	140 U	NS	130 U	NS	140 U	NS	140 U	NS
Dicamba	ug/Kg	5.5 U	NS	5.7 U	NS	5.5 U	NS	5.8 U	NS	5.8 U	NS
Dichloroprop	ug/Kg	55 U	NS	57 U	NS	55 U	NS	58 U	NS	58 U	NS
Dinoseb	ug/Kg	28 U	NS	29 U	NS	28 U	NS	29 U	NS	29 U	NS
MCPA	ug/Kg	5500 U	NS	5700 U	NS	5500 U	NS	5800 U	NS	5800 U	NS
MCPP	ug/Kg	5500 U	NS	5700 U	NS	5500 U	NS	5800 U	NS	5800 U	NS
NITROAROMATICS											
HMX	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
RDX	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
1,3,5-Trinitrobenzene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
1,3-Dinitrobenzene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
Tetryl	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
2,4,6-Trinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
4-amino-2,6-Dinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
2-amino-4,6-Dinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
2,6-Dinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
2,4-Dinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS

SENECA ARMY DEPOT
SEAD-4 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-4 0-2 12/05/93 SB4-7.1	SOIL SEAD-4 0-2 12/05/93 SB4-7.1RE	SOIL SEAD-4 4-6 12/05/93 SB4-7.3	SOIL SEAD-4 4-6 12/05/93 SB4-7.3RE	SOIL SEAD-4 6-8 12/05/93 SB4-7.4	SOIL SEAD-4 6-8 12/05/93 SB4-7.4RE	SOIL SEAD-4 6-8 12/05/93 SB4-8.1	SOIL SEAD-4 0-2 12/05/93 SB4-8.1RE	SOIL SEAD-4 2-4 12/05/93 SB4-8.2	SOIL SEAD-4 2-4 12/05/93 SB4-8.2RE	SOIL SEAD-4 2-4 12/05/93 SB4-8.2RE
ES ID	206151	206151	206152	206152	206153	206153	206153	206154	206154	206155	206155
LAB ID	206151	206151	206152	206152	206153	206153	206153	206154	206154	206155	206155
UNITS	206151	206151	206152	206152	206153	206153	206153	206154	206154	206155	206155
SEMIVOLATILE ORGANICS											
Phend	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
bis(2-Chloroethyl) ether	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
2-Chlorophend	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
1,3-Dichlorobenzene	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
1,4-Dichlorobenzene	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
1,2-Dichlorobenzene	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
2-Methylphend	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
2,2'-oxybis(1-Chloropropane)	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
4-Methylphend	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
N-Nitroso-d-n-propylamine	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
Hexachloroethane	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
Nitrobenzene	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
Isophorone	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
2-Nitrophenol	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
2,4-Dimethylphenol	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
bis(2-Chloroethoxy) methane	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
2,4-Dichlorophenol	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
1,2,4-Trichlorobenzene	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
Naphthalene	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
4-Chloroaniline	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
Hexachlorobutadiene	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
4-Chloro-3-methylphenol	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
2-Methylnaphthalene	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
Hexachlorocyclopentadiene	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
2,4,6-Trichlorophenol	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
2,4,5-Trichlorophenol	ug/Kg	890 U	880 UJ	910 U	890 UJ	870 U	850 UJ	930 U	920 UJ	930 U	920 UJ
2-Chloronaphthalene	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
2-Nitroaniline	ug/Kg	890 U	880 UJ	910 U	890 UJ	870 U	850 UJ	930 U	920 UJ	930 U	920 UJ
Dimethylphthalate	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
Acenaphthylene	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
2,6-Dinitrotoluene	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
3-Nitroaniline	ug/Kg	890 U	880 UJ	910 U	890 UJ	870 U	850 UJ	930 U	920 UJ	930 U	920 UJ
Acenaphthene	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
2,4-Dinitrophenol	ug/Kg	890 U	880 UJ	910 U	890 UJ	870 U	850 UJ	930 U	920 UJ	930 U	920 UJ
4-Nitrophenol	ug/Kg	890 U	880 UJ	910 U	890 UJ	870 U	850 UJ	930 U	920 UJ	930 U	920 UJ
Dibenzofuran	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
2,4-Dinitrotoluene	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
Diethylphthalate	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
4-Chlorophenyl-phenylether	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
Fluorene	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
4-Nitroaniline	ug/Kg	890 U	880 UJ	910 U	890 UJ	870 U	850 UJ	930 U	920 UJ	930 U	920 UJ
4,6-Dinitro-2-methylphenol	ug/Kg	890 U	880 UJ	910 U	890 UJ	870 U	850 UJ	930 U	920 UJ	930 U	920 UJ
N-Nitrosodiphenylamine	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
4-Bromophenyl-phenylether	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
Hexachlorobenzene	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
Pentachlorophend	ug/Kg	890 U	880 UJ	910 U	890 UJ	870 U	850 UJ	930 U	920 UJ	930 U	920 UJ
Phenanthrene	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
Anthracene	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
Carbazole	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
Di-n-butylphthalate	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
Fluoranthene	ug/Kg	22 J	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
Pyrene	ug/Kg	19 J	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
Butylbenzylphthalate	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
3,3'-Dichlorobenzidine	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
Benzo(a)anthracene	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
Chrysene	ug/Kg	20 J	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
bis(2-Ethylhexyl)phthalate	ug/Kg	19 J	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
Di-n-octylphthalate	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
Benzofluoranthene	ug/Kg	20 J	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
Benzok)fluoranthene	ug/Kg	19 J	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
Benzofluoranthene	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
Indeno(1,2,3-cd)pyrene	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
Dibenz(a,h)anthracene	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ
Benzof(g,h,i)perylene	ug/Kg	370 U	360 UJ	360 U	370 UJ	360 U	350 UJ	380 U	380 UJ	380 U	380 UJ

SENECA ARMY DEPOT
SEAD-4 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-4 0-2 12/05/93 SB4-7.1 206151	SOIL SEAD-4 0-2 12/05/93 SB4-7.1RE 206151	SOIL SEAD-4 4-6 12/05/93 SB4-7.3 206152	SOIL SEAD-4 4-6 12/05/93 SB4-7.3RE 206152	SOIL SEAD-4 6-8 12/05/93 SB4-7.4 206153	SOIL SEAD-4 6-8 12/05/93 SB4-7.4RE 206153	SOIL SEAD-4 6-8 12/05/93 SB4-8.1 206154	SOIL SEAD-4 0-2 12/05/93 SB4-8.1RE 206154	SOIL SEAD-4 2-4 12/05/93 SB4-8.2 206155	SOIL SEAD-4 2-4 12/05/93 SB4-8.2RE 206155
PESTICIDES/PCB										
alpha-BHC	ug/Kg 1.9 U	NS	1.9 U	NS	1.8 U	NS	2 U	NS	1.9 U	NS
beta-BHC	ug/Kg 1.9 U	NS	1.9 U	NS	1.8 U	NS	2 U	NS	1.9 U	NS
delta-BHC	ug/Kg 1.9 U	NS	1.9 U	NS	1.8 U	NS	2 U	NS	1.9 U	NS
gamma-BHC (Lindane)	ug/Kg 1.9 U	NS	1.9 U	NS	1.8 U	NS	2 U	NS	1.9 U	NS
Heptachlor	ug/Kg 1.9 U	NS	1.9 U	NS	1.8 U	NS	2 U	NS	1.9 U	NS
Aldrin	ug/Kg 1.9 U	NS	1.9 U	NS	1.8 U	NS	2 U	NS	1.9 U	NS
Heptachlor epoxide	ug/Kg 1.9 U	NS	1.9 U	NS	1.8 U	NS	2 U	NS	1.9 U	NS
Endosulfan I	ug/Kg 1.9 U	NS	1.9 U	NS	1.8 U	NS	2 U	NS	1.9 U	NS
Dieldrin	ug/Kg 3.6 U	NS	3.7 U	NS	3.5 U	NS	3.8 U	NS	3.8 U	NS
4,4'-DDE	ug/Kg 3.6 J	NS	3.7 U	NS	3.5 U	NS	3.8 U	NS	3.8 U	NS
Endrin	ug/Kg 3.6 U	NS	3.7 U	NS	3.5 U	NS	3.8 U	NS	3.8 U	NS
Endosulfan II	ug/Kg 3.6 U	NS	3.7 U	NS	3.5 U	NS	3.8 U	NS	3.8 U	NS
4,4'-DDD	ug/Kg 3.6 U	NS	3.7 U	NS	3.5 U	NS	3.8 U	NS	3.8 U	NS
Endosulfan sulfate	ug/Kg 3.6 U	NS	3.7 U	NS	3.5 U	NS	3.8 U	NS	3.8 U	NS
4,4'-DDT	ug/Kg 3.6 U	NS	3.7 U	NS	3.5 U	NS	3.8 U	NS	3.8 U	NS
Methoxychlor	ug/Kg 19 U	NS	19 U	NS	18 U	NS	20 U	NS	19 U	NS
Endrin ketone	ug/Kg 3.6 U	NS	3.7 U	NS	3.5 U	NS	3.8 U	NS	3.8 U	NS
Endrin aldehyde	ug/Kg 3.6 U	NS	3.7 U	NS	3.5 U	NS	3.8 U	NS	3.8 U	NS
alpha-Chlordane	ug/Kg 1.9 U	NS	1.9 U	NS	1.8 U	NS	2 U	NS	1.9 U	NS
gamma-Chlordane	ug/Kg 1.9 U	NS	1.9 U	NS	1.8 U	NS	2 U	NS	1.9 U	NS
Toxaphene	ug/Kg 190 U	NS	190 U	NS	180 U	NS	200 U	NS	190 U	NS
Aroclor-1016	ug/Kg 36 U	NS	37 U	NS	35 U	NS	38 U	NS	38 U	NS
Aroclor-1221	ug/Kg 73 U	NS	76 U	NS	72 U	NS	77 U	NS	77 U	NS
Aroclor-1232	ug/Kg 36 U	NS	37 U	NS	35 U	NS	38 U	NS	38 U	NS
Aroclor-1242	ug/Kg 36 U	NS	37 U	NS	35 U	NS	38 U	NS	38 U	NS
Aroclor-1248	ug/Kg 36 U	NS	37 U	NS	35 U	NS	38 U	NS	38 U	NS
Aroclor-1254	ug/Kg 36 U	NS	37 U	NS	35 U	NS	38 U	NS	38 U	NS
Aroclor-1260	ug/Kg 36 U	NS	37 U	NS	35 U	NS	38 U	NS	38 U	NS
METALS										
Aluminum	mg/Kg 14600	NS	11400	NS	8410	NS	13300	NS	16700	NS
Antimony	mg/Kg 6.4 J	NS	2.9 J	NS	3 J	NS	2.7 UJ	NS	4.2 UJ	NS
Arsenic	mg/Kg 5.1	NS	3.4	NS	5.7	NS	5.6	NS	5.1	NS
Barium	mg/Kg 61.5	NS	77.3	NS	45.4	NS	69.4	NS	116	NS
Beryllium	mg/Kg 0.62 J	NS	0.46 J	NS	0.38 J	NS	0.65	NS	0.72 J	NS
Cadmium	mg/Kg 0.39 U	NS	0.27 U	NS	0.29 U	NS	0.27 J	NS	0.41 U	NS
Calcium	mg/Kg 38600	NS	71600	NS	87500	NS	25200	NS	9320	NS
Chromium	mg/Kg 25.4 R	NS	21.4 R	NS	14 R	NS	21.4 R	NS	24.9 R	NS
Cobalt	mg/Kg 12.7	NS	9.1	NS	8.3	NS	11.7	NS	15.3 R	NS
Copper	mg/Kg 27.5 J	NS	21 J	NS	19.5 J	NS	25.6 J	NS	21.6 J	NS
Iron	mg/Kg 29400	NS	21800	NS	19100	NS	25900	NS	29700	NS
Lead	mg/Kg 16.6 J	NS	9.4 J	NS	16.6 J	NS	19.7 J	NS	10.3 J	NS
Magnesium	mg/Kg 6650	NS	15200	NS	11900	NS	6380	NS	5870	NS
Manganese	mg/Kg 622	NS	423	NS	383	NS	418	NS	1240	NS
Mercury	mg/Kg 0.03 J	NS	0.02 U	NS	0.03 U	NS	0.03 J	NS	0.03 J	NS
Nickel	mg/Kg 40.2	NS	29.3	NS	22.3	NS	31.7	NS	37.3	NS
Potassium	mg/Kg 1420	NS	1470	NS	1030	NS	1470	NS	2090	NS
Selenium	mg/Kg 0.36 J R	NS	0.11 UJ	NS	0.1 UJ	NS	0.42 J R	NS	0.53 J R	NS
Silver	mg/Kg 0.79 U	NS	0.55 U	NS	0.57 U	NS	0.52 U	NS	0.82 U	NS
Sodium	mg/Kg 100 J	NS	120 J	NS	133 J	NS	64.4 J	NS	53.3 J	NS
Thallium	mg/Kg 0.13 U	NS	0.19 U	NS	0.17 U	NS	0.19 U	NS	0.26 U	NS
Vanadium	mg/Kg 23.4	NS	18.1	NS	13	NS	22	NS	28.7	NS
Zinc	mg/Kg 93.2	NS	72.1	NS	84	NS	71.7	NS	73.9	NS
Cyanide	mg/Kg 0.5 U	NS	0.5 U	NS	0.51 U	NS	0.57 U	NS	0.58 U	NS
OTHER ANALYSES										
Nitrate/Nitrite-Nitrogen	mg/Kg 0.16	NS	0.02	NS	0.01	NS	1	NS	0.36	NS
Total Solids	%W/W 89.9	NS	88.4	NS	91.9	NS	85.8	NS	85.6	NS
Total Petroleum Hydrocarbons	mg/Kg NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoride	mg/Kg NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
pH	standard units NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-4 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-4 4-6 12/05/93 SB4-8.3 206158	SOIL SEAD-4 4-6 12/05/93 SB4-8.3RE 206156	SOIL SEAD-4 0-2 12/05/93 SB4-9.1 206157	SOIL SEAD-4 0-2 12/05/93 SB4-9.1RE 206157	SOIL SEAD-4 2-4 12/05/93 SB4-9.2 206158	SOIL SEAD-4 2-4 12/05/93 SB4-9.2RE 206158	SOIL SEAD-4 4-6 12/05/93 SB4-9.3 206159	SOIL SEAD-4 4-6 12/05/93 SB4-9.3RE 206159	SOIL SEAD-4 0-2 12/06/93 SB4-10.1 206272	SOIL SEAD-4 2-4 12/06/93 SB4-10.2 206273
VOLATILE ORGANICS											
Chloromethane	ug/Kg	11 U	NS	11 U	NS	12 U	NS	11 U	NS	12 U	11 U
Bromomethane	ug/Kg	11 U	NS	11 U	NS	12 U	NS	11 U	NS	12 U	11 U
Vinyl Chloride	ug/Kg	11 U	NS	11 U	NS	12 U	NS	11 U	NS	12 U	11 U
Chloroethane	ug/Kg	11 U	NS	11 U	NS	12 U	NS	11 U	NS	12 U	11 U
Methylene Chloride	ug/Kg	11 U	NS	11 U	NS	12 U	NS	11 U	NS	12 U	11 U
Acetone	ug/Kg	11 U	NS	11 U	NS	12 U	NS	11 U	NS	12 U	11 U
Carbon Disulfide	ug/Kg	11 U	NS	11 U	NS	12 U	NS	11 U	NS	12 U	11 U
1,1-Dichloroethane	ug/Kg	11 U	NS	11 U	NS	12 U	NS	11 U	NS	12 U	11 U
1,1-Dichloroethane	ug/Kg	11 U	NS	11 U	NS	12 U	NS	11 U	NS	12 U	11 U
1,2-Dichloroethane (total)	ug/Kg	11 U	NS	11 U	NS	12 U	NS	11 U	NS	12 U	11 U
Chloroform	ug/Kg	2 J	NS	11 U	NS	2 J	NS	3 J	NS	12 U	11 U
1,2-Dichloroethane	ug/Kg	11 U	NS	11 U	NS	12 U	NS	11 U	NS	12 U	11 U
2-Butanone	ug/Kg	11 U	NS	11 U	NS	12 U	NS	11 U	NS	12 U	11 U
1,1,1-Trichloroethane	ug/Kg	11 U	NS	11 U	NS	12 U	NS	11 U	NS	12 U	11 U
Carbon Tetrachloride	ug/Kg	11 U	NS	11 U	NS	12 U	NS	11 U	NS	12 U	11 U
Bromodichloromethane	ug/Kg	11 U	NS	11 U	NS	12 U	NS	11 U	NS	12 U	11 U
1,2-Dichloropropane	ug/Kg	11 U	NS	11 U	NS	12 U	NS	11 U	NS	12 U	11 U
cis-1,3-Dichloropropene	ug/Kg	11 U	NS	11 U	NS	12 U	NS	11 U	NS	12 U	11 U
Trichloroethene	ug/Kg	11 U	NS	11 U	NS	12 U	NS	11 U	NS	12 U	11 U
Dibromochloromethane	ug/Kg	11 U	NS	11 U	NS	12 U	NS	11 U	NS	12 U	11 U
1,1,2-Trichloroethane	ug/Kg	11 U	NS	11 U	NS	12 U	NS	11 U	NS	12 U	11 U
Benzene	ug/Kg	11 U	NS	11 U	NS	12 U	NS	11 U	NS	12 U	11 U
trans-1,3-Dichloropropene	ug/Kg	11 U	NS	11 U	NS	12 U	NS	11 U	NS	12 U	11 U
Bromoform	ug/Kg	11 U	NS	11 U	NS	12 U	NS	11 U	NS	12 U	11 U
4-Methyl-2-Pentanone	ug/Kg	11 U	NS	11 U	NS	12 U	NS	11 U	NS	12 U	11 U
2-Hexanone	ug/Kg	11 U	NS	11 U	NS	12 U	NS	11 U	NS	12 U	11 U
Tetrachloroethene	ug/Kg	11 U	NS	11 U	NS	12 U	NS	11 U	NS	12 U	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	11 U	NS	11 U	NS	12 U	NS	11 U	NS	12 U	11 U
Toluene	ug/Kg	11 U	NS	11 U	NS	12 U	NS	11 U	NS	12 U	11 U
Chlorobenzene	ug/Kg	11 U	NS	11 U	NS	12 U	NS	11 U	NS	12 U	11 U
Ethylbenzene	ug/Kg	11 U	NS	11 U	NS	12 U	NS	11 U	NS	12 U	11 U
Styrene	ug/Kg	11 U	NS	11 U	NS	12 U	NS	11 U	NS	12 U	11 U
Xylene (total)	ug/Kg	11 U	NS	11 U	NS	12 U	NS	11 U	NS	12 U	11 U
MTBE	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES											
2,4-D	ug/Kg	56 U	NS	59 U	NS	61 U	NS	54 U	NS	58 U	53 U
2,4-DB	ug/Kg	56 U	NS	59 U	NS	61 U	NS	54 U	NS	58 U	53 U
2,4,5-T	ug/Kg	5.6 U	NS	5.9 U	NS	6.1 U	NS	5.4 U	NS	5.8 U	5.3 U
2,4,5-TP (Silvex)	ug/Kg	5.6 U	NS	5.9 U	NS	6.1 U	NS	5.4 U	NS	5.8 U	5.3 U
Dalapon	ug/Kg	140 U	NS	150 U	NS	150 U	NS	130 U	NS	140 U	130 U
Dicamba	ug/Kg	5.6 U	NS	5.9 U	NS	6.1 U	NS	5.4 U	NS	5.8 U	5.3 U
Dichloroprop	ug/Kg	56 U	NS	59 U	NS	61 U	NS	54 U	NS	58 U	53 U
Dinoseb	ug/Kg	28 U	NS	30 U	NS	31 U	NS	27 U	NS	29 U	27 U
MCPA	ug/Kg	5600 U	NS	5900 U	NS	6100 U	NS	5400 U	NS	5800 U	5300 U
MCPP	ug/Kg	5600 U	NS	5900 U	NS	6100 U	NS	5400 U	NS	5800 U	5300 U
NITROAROMATICS											
HMX	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	130 U
RDX	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	130 U
1,3,5-Trinitrobenzene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	130 U
1,3-Dinitrobenzene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	130 U
Tetryl	ug/Kg	130 U	NS	130 U	NS	67 J	NS	130 U	NS	130 U	130 U
2,4,6-Trinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	130 U
4-amino-2,6-Dinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	130 U
2-amino-4,6-Dinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	130 U
2,6-Dinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	130 U
2,4-Dinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	130 U

SENECA ARMY DEPOT
SEAD-4 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID	SOIL SEAD-4 4-6 12/05/93 SB4-8.3 206156	SOIL SEAD-4 4-6 12/05/93 SB4-8.3RE 206156	SOIL SEAD-4 0-2 12/05/93 SB4-9.1 206157	SOIL SEAD-4 0-2 12/05/93 SB4-9.1RE 206157	SOIL SEAD-4 2-4 12/05/93 SB4-9.2 206158	SOIL SEAD-4 2-4 12/05/93 SB4-9.2RE 206158	SOIL SEAD-4 2-4 12/05/93 SB4-9.3 206159	SOIL SEAD-4 4-6 12/05/93 SB4-9.3RE 206159	SOIL SEAD-4 0-2 12/06/93 SB4-10.1 206272	SOIL SEAD-4 2-4 12/06/93 SB4-10.2 206273	
SEMIVOLATILE ORGANICS											
Phend	ugKg 360 U	370 UJ	390 U	390 UJ	400 U	360 UJ	350 U	340 UJ	390 U	350 U	
bis(2-Chloroethyl) ether	ugKg 360 U	370 UJ	390 U	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
2-Chlorophend	ugKg 360 U	370 UJ	390 U	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
1,3-Dichlorobenzene	ugKg 360 U	370 UJ	390 U	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
1,4-Dichlorobenzene	ugKg 360 U	370 UJ	390 U	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
1,2-Dichlorobenzene	ugKg 360 U	370 UJ	390 U	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
2-Methylphend	ugKg 360 U	370 UJ	390 U	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
2,2'-oxybis(1-Chloropropane)	ugKg 360 U	370 UJ	390 U	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
4-Methylphend	ugKg 360 U	370 UJ	390 U	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
N-Nitroso-di-n-propylamine	ugKg 360 U	370 UJ	390 U	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
Hexachloroethane	ugKg 360 U	370 UJ	390 U	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
Nitrobenzene	ugKg 360 U	370 UJ	390 U	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
Isophorone	ugKg 360 U	370 UJ	390 U	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
2-Nitrophend	ugKg 360 U	370 UJ	390 U	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
2,4-Dimethylphend	ugKg 360 U	370 UJ	390 U	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
bis(2-Chloroethoxy) methane	ugKg 360 U	370 UJ	390 U	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
2,4-Dichlorophenol	ugKg 360 U	370 UJ	390 U	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
1,2,4-Trichlorobenzene	ugKg 360 U	370 UJ	390 U	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
Naphthalene	ugKg 360 U	370 UJ	390 U	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
4-Chloroaniline	ugKg 360 U	370 UJ	390 U	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
Hexachlorobutadiene	ugKg 360 U	370 UJ	390 U	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
4-Chloro-3-methylphenol	ugKg 360 U	370 UJ	390 U	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
2-Methylnaphthalene	ugKg 360 U	370 UJ	390 U	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
Hexachlorocyclopentadiene	ugKg 360 U	370 UJ	390 U	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
2,4,6-Trichlorophenol	ugKg 360 U	370 UJ	390 U	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
2,4,5-Trichlorophenol	ugKg 880 U	900 UJ	950 U	950 UJ	930 UJ	860 U	830 UJ	800 UJ	940 U	860 U	
2-Chloronaphthalene	ugKg 360 U	370 UJ	390 U	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
2-Nitroaniline	ugKg 880 U	900 UJ	950 U	950 UJ	930 UJ	860 U	830 UJ	800 UJ	940 U	860 U	
Dimethylphthalate	ugKg 380 U	370 UJ	390 U	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
Aceraphthylene	ugKg 360 U	370 UJ	45 J	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
2,6-Dinitrotoluene	ugKg 360 U	370 UJ	390 U	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
3-Nitroaniline	ugKg 880 U	900 UJ	950 U	950 UJ	930 UJ	860 U	830 UJ	800 UJ	940 U	860 U	
Aceraphthene	ugKg 360 U	370 UJ	72 J	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
2,4-Dinitrophend	ugKg 900 U	880 UJ	950 U	950 UJ	980 U	930 UJ	860 U	830 UJ	940 U	860 U	
4-Nitrophend	ugKg 900 U	880 UJ	950 U	950 UJ	980 U	930 UJ	860 U	830 UJ	940 U	860 U	
Dibenzofuran	ugKg 370 U	360 UJ	33 J	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
2,4-Dinitrotoluene	ugKg 370 U	360 UJ	390 U	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
Diethylphthalate	ugKg 370 U	360 UJ	390 U	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
4-Chlorophenyl-phenylether	ugKg 370 U	360 UJ	390 U	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
Fluorene	ugKg 370 U	360 UJ	110 J	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
4-Nitroaniline	ugKg 900 U	880 UJ	950 U	950 UJ	980 U	930 UJ	860 U	830 UJ	940 U	860 U	
4,6-Dinitro-2-methylphenol	ugKg 900 U	880 UJ	950 U	950 UJ	980 U	930 UJ	860 U	830 UJ	940 U	860 U	
N-Nitrosodiphenylamine	ugKg 370 U	360 UJ	390 U	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
4-Bromophenyl-phenylether	ugKg 370 U	360 UJ	390 U	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
Hexachlorobenzene	ugKg 370 U	360 UJ	390 U	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
Pentachlorophend	ugKg 900 U	880 UJ	950 U	950 UJ	980 U	930 UJ	860 U	830 UJ	940 U	860 U	
Phenanthrene	ugKg 370 U	360 UJ	1400	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
Anthracene	ugKg 370 U	360 UJ	340 J	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
Carbazole	ugKg 370 U	360 UJ	160 J	390 UJ	400 U	380 UJ	350 U	340 UJ	390 U	350 U	
Di-n-butylphthalate	ugKg 370 U	R	34 J	R	390 UJ	400 U	R	380 UJ	350 U	R	
Fluoranthene	ugKg 370 U	R	2400	R	390 UJ	400 U	R	380 UJ	350 U	R	
Pyrene	ugKg 370 U	R	1800	R	390 UJ	400 U	R	380 UJ	350 U	R	
Butylbenzylphthalate	ugKg 370 U	R	390 U	R	390 UJ	400 U	R	380 UJ	350 U	R	
3,3'-Dichlorobenzidine	ugKg 370 U	R	390 U	R	390 UJ	400 U	R	380 UJ	350 U	R	
Benzofluoranthene	ugKg 370 U	R	1100	R	390 UJ	400 U	R	380 UJ	350 U	R	
Chrysene	ugKg 370 U	R	1000	R	390 UJ	400 U	R	380 UJ	350 U	R	
bis(2-Ethylhexyl)phthalate	ugKg 18 J	R	42 J	R	390 UJ	400 U	R	380 UJ	350 U	R	
Di-n-octylphthalate	ugKg 370 U	R	390 U	R	390 UJ	400 U	R	380 UJ	350 U	R	
Benzofluoranthene	ugKg 370 U	R	730	R	390 UJ	400 U	R	380 UJ	350 U	R	
Benzofluoranthene	ugKg 370 U	R	890	R	390 UJ	400 U	R	380 UJ	350 U	R	
Benzofluoranthene	ugKg 370 U	R	880	R	390 UJ	400 U	R	380 UJ	350 U	R	
Indeno(1,2,3-cd)pyrene	ugKg 370 U	R	260 J	R	390 UJ	400 U	R	380 UJ	350 U	R	
Dibenz(a,h)anthracene	ugKg 370 U	R	390 U	R	390 UJ	400 U	R	380 UJ	350 U	R	
Benzofluoranthene	ugKg 370 U	R	270 J	R	390 UJ	400 U	R	380 UJ	350 U	R	

SENECA ARMY DEPOT
SEAD-4 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SEAD-4 4-6 12/05/93 SB4-8.3 206156	SEAD-4 4-6 12/05/93 SB4-8.3RE 206156	SEAD-4 0-2 12/05/93 SB4-9.1 206157	SEAD-4 0-2 12/05/93 SB4-9.1RE 206157	SEAD-4 2-4 12/05/93 SB4-9.2 206158	SEAD-4 2-4 12/05/93 SB4-9.2RE 206158	SEAD-4 4-6 12/05/93 SB4-9.3 206159	SEAD-4 4-6 12/05/93 SB4-9.3RE 206159	SEAD-4 0-2 12/06/93 SB4-10.1 206272	SEAD-4 2-4 12/06/93 SB4-10.2 206273
PESTICIDES/PCB											
alpha-BHC	ug/Kg	1.9 U	NS	2 U	NS	2.1 U	NS	1.8 U	NS	2 U	1.8 U
beta-BHC	ug/Kg	1.9 U	NS	2 U	NS	2.1 U	NS	1.8 U	NS	2 U	1.8 U
delta-BHC	ug/Kg	1.9 U	NS	2 U	NS	2.1 U	NS	1.8 U	NS	2 U	1.8 U
gamma-BHC (Lindane)	ug/Kg	1.9 U	NS	2 U	NS	2.1 U	NS	1.8 U	NS	2 U	1.8 U
Heptachlor	ug/Kg	1.9 U	NS	2 U	NS	2.1 U	NS	1.8 U	NS	2 U	1.8 U
Aldrin	ug/Kg	1.9 U	NS	2 U	NS	2.1 U	NS	1.8 U	NS	2 U	1.8 U
Heptachlor epoxide	ug/Kg	1.9 U	NS	2 U	NS	2.1 U	NS	1.8 U	NS	2 U	1.8 U
Endosulfan I	ug/Kg	1.9 U	NS	2 U	NS	2.1 U	NS	1.8 U	NS	2 U	1.8 U
Dieldrin	ug/Kg	3.6 U	NS	3.9 U	NS	4 U	NS	3.5 U	NS	3.9 U	3.5 U
4,4'-DDE	ug/Kg	3.6 U	NS	3.9 U	NS	4 U	NS	3.5 U	NS	3.9 U	3.5 U
Endrin	ug/Kg	3.6 U	NS	3.9 U	NS	4 U	NS	3.5 U	NS	3.9 U	3.5 U
Endosulfan II	ug/Kg	3.6 U	NS	3.9 U	NS	4 U	NS	3.5 U	NS	3.9 U	3.5 U
4,4'-DDD	ug/Kg	3.6 U	NS	3.9 U	NS	4 U	NS	3.5 U	NS	3.9 U	3.5 U
Endosulfan sulfate	ug/Kg	3.6 U	NS	3.9 U	NS	4 U	NS	3.5 U	NS	3.9 U	3.5 U
4,4'-DDT	ug/Kg	3.6 U	NS	3.9 U	NS	4 U	NS	3.5 U	NS	3.9 U	3.5 U
Methoxychlor	ug/Kg	19 U	NS	20 U	NS	21 U	NS	18 U	NS	20 U	18 U
Endrin ketone	ug/Kg	3.6 U	NS	3.9 U	NS	4 U	NS	3.5 U	NS	3.9 U	3.5 U
Endrin aldehyde	ug/Kg	3.6 U	NS	3.9 U	NS	4 U	NS	3.5 U	NS	3.9 U	3.5 U
alpha-Chlordane	ug/Kg	1.9 U	NS	2 U	NS	2.1 U	NS	1.8 U	NS	2 U	1.8 U
gamma-Chlordane	ug/Kg	1.9 U	NS	2 U	NS	2.1 U	NS	1.8 U	NS	2 U	1.8 U
Toxaphene	ug/Kg	190 U	NS	200 U	NS	210 U	NS	180 U	NS	200 U	180 U
Aroclor-1016	ug/Kg	36 U	NS	39 U	NS	40 U	NS	35 U	NS	39 U	35 U
Aroclor-1221	ug/Kg	74 U	NS	79 U	NS	82 U	NS	71 U	NS	79 U	72 U
Aroclor-1232	ug/Kg	38 U	NS	39 U	NS	40 U	NS	35 U	NS	39 U	35 U
Aroclor-1242	ug/Kg	38 U	NS	39 U	NS	40 U	NS	35 U	NS	39 U	35 U
Aroclor-1246	ug/Kg	36 U	NS	39 U	NS	40 U	NS	35 U	NS	39 U	35 U
Aroclor-1254	ug/Kg	36 U	NS	39 U	NS	40 U	NS	35 U	NS	39 U	35 U
Aroclor-1260	ug/Kg	36 U	NS	39 U	NS	40 U	NS	35 U	NS	39 U	35 U
METALS											
Aluminum	mg/Kg	9180	NS	12800	NS	20400	NS	13500	NS	15600	17000
Antimony	mg/Kg	2.5 UJ	NS	3.7 J	NS	4.1 UJ	NS	3.3 UJ	NS	4.7 UJ	43.8 J
Arsenic	mg/Kg	4.9	NS	4.5	NS	6.5	NS	4.6	NS	6.5	5.8
Barium	mg/Kg	63.5	NS	94.1	NS	102	NS	51.3	NS	126	58.4
Beryllium	mg/Kg	0.37 J	NS	0.75 J	NS	0.97	NS	0.69 J	NS	0.82 J	0.87 J
Cadmium	mg/Kg	0.24 U	NS	0.35 U	NS	0.4 U	NS	0.32 U	NS	0.46 U	0.37 U
Calcium	mg/Kg	77000	NS	3660	NS	2770	NS	2350	NS	3250	6540
Chromium	mg/Kg	14.1 R	NS	17.6 R	NS	33.2 R	NS	23.3 R	NS	178	2560
Cobalt	mg/Kg	7.9	NS	9	NS	17.3	NS	14.8	NS	19.5	16.7
Copper	mg/Kg	21.1 J	NS	13.1 J	NS	24.9 J	NS	11 J	NS	28	1790
Iron	mg/Kg	18500	NS	20600	NS	39000	NS	29600	NS	34700	37200
Lead	mg/Kg	44.2	NS	26.4 J	NS	12.2 J	NS	6.3 J	NS	12.8 J	9 J
Magnesium	mg/Kg	17700	NS	3090	NS	7870	NS	5950	NS	5370	7870
Manganese	mg/Kg	420	NS	794	NS	633	NS	252	NS	1390 R	299 R
Mercury	mg/Kg	0.01 U	NS	0.07 J	NS	0.03 U	NS	0.02 U	NS	0.06 J	0.03 J
Nickel	mg/Kg	23.1	NS	18.3	NS	57.1	NS	42.2	NS	51.3	56
Potassium	mg/Kg	1380	NS	1020	NS	1800	NS	980	NS	1170	1090
Selenium	mg/Kg	0.22 J R	NS	0.47 J R	NS	0.47 J R	NS	0.11 J R	NS	0.23 J	0.31 J
Silver	mg/Kg	0.48 U	NS	0.7 U	NS	0.79 U	NS	0.63 U	NS	0.91 U	0.73 U
Sodium	mg/Kg	134 J	NS	49.1 J	NS	44.1 J	NS	39.3 J	NS	42.9 U	55.7 J
Thallium	mg/Kg	0.14 U	NS	0.23 U	NS	0.21 U	NS	0.17 U	NS	0.27 U	0.14 U
Vanadium	mg/Kg	14.6	NS	22.6	NS	28.4	NS	17.8	NS	26.9	24.6
Zinc	mg/Kg	56.5	NS	56.6	NS	93.6	NS	60.5	NS	89.8	57.6
Cyanide	mg/Kg	0.52 U	NS	0.56 U	NS	0.59 U	NS	0.5 U	NS	0.57 U	0.45 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg	0.04	NS	0.86	NS	0.44	NS	0.02	NS	0.13	0.03
Total Solids	%W/W	89.1	NS	83.9	NS	81.6	NS	92.9	NS	84.6	93.1
Total Petroleum Hydrocarbons	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoride	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
pH	standard units	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

SENEGA ARMY DEPOT
SEAD-4 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-4 4-6 12/06/93 SB4-10.3 206274	SOIL SEAD-4 3 11/10/93 TP4-1 204020-204022	SOIL SEAD-4 3 11/10/93 TP4-2 204023-204025	SOIL SEAD-4 4 12/05/93 TP4-3 206190	SOIL SEAD-4 4 12/05/93 TP4-4 206191	SOIL SEAD-4 4 12/05/93 TP4-5 206192	SOIL SEAD-4 6 12/05/93 TP4-6 206276	SOIL SEAD-4 5 12/05/93 TP4-7 206193	SOIL SEAD-4 3 12/05/93 TP4-8 206194
VOLATILE ORGANICS										
Chloromethane	ug/Kg	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Bromomethane	ug/Kg	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Vinyl Chloride	ug/Kg	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Chloroethane	ug/Kg	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Methylene Chloride	ug/Kg	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Acetone	ug/Kg	11 U	11 U	11 U	11 U	13 U	11 U	11 U	11 U	12 U
Carbon Disulfide	ug/Kg	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
1,1-Dichloroethane	ug/Kg	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
1,1-Dichloroethane	ug/Kg	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
1,2-Dichloroethane (total)	ug/Kg	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Chloroform	ug/Kg	11 U	11 U	11 U	15	12 U	11 U	11 U	5 J	12 U
1,2-Dichloroethane	ug/Kg	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
2-Butanone	ug/Kg	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
1,1,1-Trichloroethane	ug/Kg	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Carbon Tetrachloride	ug/Kg	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Bromodichloromethane	ug/Kg	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
1,2-Dichloropropane	ug/Kg	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
cis-1,3-Dichloropropene	ug/Kg	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Trichloroethene	ug/Kg	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Dibromochloromethane	ug/Kg	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
1,1,2-Trichloroethane	ug/Kg	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Benzene	ug/Kg	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
trans-1,3-Dichloropropene	ug/Kg	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Bromoform	ug/Kg	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
4-Methyl-2-Pentanone	ug/Kg	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
2-Hexanone	ug/Kg	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Tetrachloroethene	ug/Kg	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
1,1,2,2-Tetrachloroethane	ug/Kg	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Toluene	ug/Kg	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Chlorobenzene	ug/Kg	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Ethylbenzene	ug/Kg	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Styrene	ug/Kg	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Xylene (total)	ug/Kg	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
MTBE	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES										
2,4-D	ug/Kg	54 U	57 U	58 U	59 U	59 U	58 U	55 U	58 U	60 U
2,4-DB	ug/Kg	54 U	57 U	58 U	59 U	59 U	58 U	55 U	58 U	60 U
2,4,5-T	ug/Kg	5.4 U	5.7 U	5.8 U	5.9 U	5.9 U	5.8 U	5.5 U	5.8 U	6 U
2,4,5-TP (Silvex)	ug/Kg	5.4 U	5.7 U	5.8 U	5.9 U	5.9 U	5.8 U	5.5 U	5.8 U	6 U
Dalapon	ug/Kg	130 U	140 U	140 U	140 U	140 U	140 U	140 U	140 U	150 U
Dicamba	ug/Kg	5.4 U	5.7 U	5.8 U	5.9 U	5.9 U	5.8 U	5.5 U	5.8 U	6 U
Dichloroprop	ug/Kg	54 U	57 U	58 U	59 U	59 U	58 U	55 U	58 U	60 U
Dinoseb	ug/Kg	27 U	29 U	28 U	30 U	30 U	29 U	28 U	29 U	30 U
MCPA	ug/Kg	5400 U	5700 U	5600 U	5900 U	5900 U	5800 U	5500 U	5800 U	6000 U
MCPP	ug/Kg	5400 U	5700 U	5600 U	5900 U	5900 U	5800 U	5500 U	5800 U	6000 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-4 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-4 4-6 12/05/93 SB4-10.3 206274	SOIL SEAD-4 3 11/10/93 TP4-1 204020-204022	SOIL SEAD-4 3 11/10/93 TP4-2 204023-204025	SOIL SEAD-4 4 12/05/93 TP4-3 206190	SOIL SEAD-4 4 12/05/93 TP4-4 206191	SOIL SEAD-4 4 12/05/93 TP4-5 206192	SOIL SEAD-4 6 12/05/93 TP4-6 206276	SOIL SEAD-4 5 12/05/93 TP4-7 206193	SOIL SEAD-4 3 12/05/93 TP4-8 206194
COMPOUND	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID
SEMIVOLATILE ORGANICS									
Phend	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
bis(2-Chloroethyl) ether	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
2-Chlorophend	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
1,3-Dichlorobenzene	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
1,4-Dichlorobenzene	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
1,2-Dichlorobenzene	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
2-Methylphend	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
2,2'-oxybis(1-Chloropropane)	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
4-Methylphend	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
N-Nitroso-dl-n-propylamine	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
Hexachloroethane	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
Nitrobenzene	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
Isophorone	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
2-Nitrophenol	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
2,4-Dimethylphend	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
bis(2-Chloroethoxy) methane	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
2,4-Dichlorophenol	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
1,2,4-Trichlorobenzene	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
Naphthalene	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
4-Chloroaniline	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
Hexachlorobutadiene	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
4-Chloro-3-methylphenol	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
2-Methylnaphthalene	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
Hexachlorocyclopentadiene	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
2,4,6-Trichlorophenol	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
2,4,5-Trichlorophenol	ug/Kg	860 U	910 U	890 U	930 U	930 U	930 U	890 U	920 UJ
2-Chloronaphthalene	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
2-Nitroaniline	ug/Kg	860 U	910 U	890 U	930 U	930 U	930 U	890 U	920 UJ
Dimethylphthalate	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
Aceraphthylene	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
2,6-Dinitrotoluene	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
3-Nitroaniline	ug/Kg	860 U	910 U	890 U	930 U	930 U	930 U	890 U	920 UJ
Aceraphthene	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
2,4-Dinitrophenol	ug/Kg	860 U	910 U	890 U	930 U	930 U	930 U	890 U	920 UJ
4-Nitrophenol	ug/Kg	860 U	910 U	890 U	930 U	930 U	930 U	890 U	920 UJ
Dibenzofuran	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
2,4-Dinitrotoluene	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
Diethylphthalate	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
4-Chlorophenyl-phenylether	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
Fluorene	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
4-Nitroaniline	ug/Kg	860 U	910 U	890 U	930 U	930 U	930 U	890 U	920 UJ
4,6-Dinitro-2-methylphenol	ug/Kg	860 U	910 U	890 U	930 U	930 U	930 U	890 U	920 UJ
N-Nitrosodiphenylamine	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
4-Bromophenyl-phenylether	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
Hexachlorobenzene	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
Pentachlorophend	ug/Kg	860 U	910 U	890 U	930 U	930 U	930 U	890 U	920 UJ
Phenanthrene	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
Anthracene	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
Carbazole	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
Di-n-butylphthalate	ug/Kg	63 J	33 J	370 U	380 U	380 U	380 U	55 J	380 UJ
Fluoranthene	ug/Kg	350 U	19 J	370 U	380 U	380 U	380 U	370 U	380 UJ
Pyrene	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
Butylbenzylphthalate	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
3,3'-Dichlorobenzidine	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
Benzo(a)anthracene	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
Chrysene	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
bis(2-Ethylhexyl)phthalate	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
Di-n-octylphthalate	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
Benzo(b)fluoranthene	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
Benzo(k)fluoranthene	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
Benzo(a)pyrene	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
Indeno(1,2,3-cd)pyrene	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
Dibenz(b,h)anthracene	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ
Benzo(g,h,i)perylene	ug/Kg	350 U	370 U	370 U	380 U	380 U	380 U	370 U	380 UJ

SENECA ARMY DEPOT
SEAD-4 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-4 4-6 12/05/93 SB4-10.3 206274	SOIL SEAD-4 3 11/10/93 TP4-1 204020-204022	SOIL SEAD-4 3 11/10/93 TP4-2 204023-204025	SOIL SEAD-4 4 12/05/93 TP4-3 206190	SOIL SEAD-4 4 12/05/93 TP4-4 206191	SOIL SEAD-4 4 12/05/93 TP4-5 206192	SOIL SEAD-4 6 12/05/93 TP4-6 206276	SOIL SEAD-4 5 12/05/93 TP4-7 206193	SOIL SEAD-4 3 12/05/93 TP4-8 206194	
PESTICIDES/PCB										
alpha-BHC ug/Kg	1.8 U	1.9 U	1.9 U	2 U	2 U	2 U	1.9 U	2 U	2 U	
beta-BHC ug/Kg	1.8 U	1.9 U	1.9 U	2 U	2 U	2 U	1.9 U	2 U	2 U	
delta-BHC ug/Kg	1.8 U	1.9 U	1.9 U	2 U	2 U	2 U	1.9 U	2 U	2 U	
gamma-BHC (Lindane) ug/Kg	1.8 U	1.9 U	1.9 U	2 U	2 U	2 U	1.9 U	2 U	2 U	
Heptachlor ug/Kg	1.8 U	1.9 U	1.9 U	2 U	2 U	2 U	1.9 U	2 U	2 U	
Aldrin ug/Kg	1.8 U	1.9 U	1.9 U	2 U	2 U	2 U	1.9 U	2 U	2 U	
Heptachlor epoxide ug/Kg	1.8 U	1.9 U	1.9 U	2 U	2 U	2 U	1.9 U	2 U	2 U	
Endosulfan I ug/Kg	1.8 U	1.9 U	1.9 U	2 U	2 U	2 U	1.9 U	2 U	2 U	
Dieldrin ug/Kg	3.5 U	3.7 U	3.7 U	3.8 U	3.8 U	3.8 U	3.7 U	3.8 U	3.9 U	
4,4'-DDE ug/Kg	3.5 U	3.7 U	3.7 U	3.8 U	3.8 U	3.8 U	3.7 U	3.8 U	3.9 U	
Endrin ug/Kg	3.5 U	3.7 U	3.7 U	3.8 U	3.8 U	3.8 U	3.7 U	3.8 U	3.9 U	
Endosulfan II ug/Kg	3.5 U	3.7 U	3.7 U	3.8 U	3.8 U	3.8 U	3.7 U	3.8 U	3.9 U	
4,4'-DDD ug/Kg	3.5 U	3.7 U	3.7 U	3.8 U	3.8 U	3.8 U	3.7 U	3.8 U	3.9 U	
Endosulfan sulfate ug/Kg	3.5 U	3.7 U	3.7 U	3.8 U	3.8 U	3.8 U	3.7 U	3.8 U	3.9 U	
4,4'-DDT ug/Kg	3.5 U	3.7 U	3.7 U	3.8 U	3.8 U	3.8 U	3.7 U	3.8 U	3.9 U	
Methoxychlor ug/Kg	18 U	19 U	19 U	20 U	20 U	20 U	19 U	20 U	20 U	
Endrin ketone ug/Kg	3.5 U	3.7 U	3.7 U	3.8 U	3.8 U	3.8 U	3.7 U	3.8 U	3.9 U	
Endrin aldehyde ug/Kg	3.5 U	3.7 U	3.7 U	3.8 U	3.8 U	3.8 U	3.7 U	3.8 U	3.9 U	
alpha-Chlordane ug/Kg	1.8 U	1.9 U	1.9 U	2 U	2 U	2 U	1.9 U	2 U	2 U	
gamma-Chlordane ug/Kg	1.8 U	1.9 U	1.9 U	2 U	2 U	2 U	1.9 U	2 U	2 U	
Toxaphene ug/Kg	180 U	190 U	190 U	200 U	200 U	200 U	190 U	200 U	200 U	
Aroclor-1016 ug/Kg	35 U	37 U	37 U	38 U	38 U	38 U	37 U	38 U	39 U	
Aroclor-1221 ug/Kg	72 U	78 U	75 U	78 U	78 U	78 U	74 U	77 U	80 U	
Aroclor-1232 ug/Kg	35 U	37 U	37 U	38 U	38 U	38 U	37 U	38 U	39 U	
Aroclor-1242 ug/Kg	35 U	37 U	37 U	38 U	38 U	38 U	37 U	38 U	39 U	
Aroclor-1246 ug/Kg	35 U	37 U	37 U	38 U	38 U	38 U	37 U	38 U	39 U	
Aroclor-1254 ug/Kg	35 U	37 U	37 U	38 U	38 U	38 U	37 U	38 U	39 U	
Aroclor-1260 ug/Kg	35 U	37 U	37 U	38 U	38 U	38 U	37 U	38 U	39 U	
METALS										
Aluminum mg/Kg	17200	18200	17700	10200	12100	10800	8100	10500	12500	
Antimony mg/Kg	40.9 J	11.1 U	11.2 U	3.5 UJ	4 UJ	4.6 UJ	4.6 UJ	3.5 UJ	3.5 UJ	
Arsenic mg/Kg	6.4	7.2 J	6.4 J	5.1	4.3	5.2	5.6	4.2	3.5	
Barium mg/Kg	54.3	91.9	88.3	65.4	74.9	60.6	37.4 J	64.8	71.8	
Beryllium mg/Kg	0.83	0.83 J	0.83 J	0.46 J	0.53 J	0.53 J	0.29 J	0.52 J	0.61 J	
Cadmium mg/Kg	0.34 U	0.69 U	0.7 U	0.34 U	0.39 U	1.5	0.45 U	0.34 U	0.34 U	
Calcium mg/Kg	2140	6450	3130	88300	76800	86400	64300	59500	2130	
Chromium mg/Kg	2470	27.1	27.6	15.1	19.4	16.5	10.8	16.3	20.4	
Cobalt mg/Kg	14.7	13.5	13.9	9.1	10.3	6.6 J	5.9 J	8.3	11.9	
Copper mg/Kg	2030	21.3 J	23.8 J	17.3	23	20	12	21.7	14.9	
Iron mg/Kg	35100	33500	35400	18900	24100	20000	13900	21400	27300	
Lead mg/Kg	5.2 J	11.3	15.4	11 J	10.9 J	11.2 J	8 J	13.1 J	10.6 J	
Magnesium mg/Kg	7530	5920	5500	32000	10700	24600	11400	10000	4170	
Manganese mg/Kg	267	687	714	510	488	349	309	435	658	
Mercury mg/Kg	0.02 J	0.04 J	0.04 J	0.04 J	0.03 J	0.02 U	0.03 J	0.03 J	0.03 J	
Nickel mg/Kg	49.8	33.7	36	22.6	32.1	25.2	17.7	25.5	27.8	
Potassium mg/Kg	1320	1680	1480	1130	1470	1130	690 J	1020	807	
Selenium mg/Kg	0.21 J	0.21 UJ	0.16 UJ	0.15 U	0.12 U	0.13 U	0.13 U	0.14 U	0.12 J	
Silver mg/Kg	0.92 J	1.4 UJ	1.4 UJ	0.68 U	0.92 J	1.2 J	0.89 U	0.67 U	0.68 U	
Sodium mg/Kg	57.6 J	64.7 J	53.8 J	126 J	88.3 J	111 J	118 J	107 J	31.8 U	
Thallium mg/Kg	0.24 U	0.22 UJ	0.18 UJ	0.26 U	0.2 U	0.23 U	0.22 U	0.24 U	0.19 U	
Vanadium mg/Kg	25.1	28.8	27.2	17.9	21.4	19.3	10.3 J	18.3	19.9	
Zinc mg/Kg	440	73.4 J	72.7 J	46.8	68.4	64.1	48.5	75.4	87.8	
Cyanide mg/Kg	0.52 U	0.52 U	0.52 U	0.56 U	0.51 U	0.52 U	0.48 U	0.56 U	0.59 U	
OTHER ANALYSES										
Nitrate/Nitrite-Nitrogen mg/Kg	0.02	3.3	1.2	0.1	1.99	0.12	0.02	0.16	0.89	
Total Solids %W/W	92.9	88.3	89	86.4	85.9	85.9	89.8	87.3	84	
Total Petroleum Hydrocarbons mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Fluoride mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	
pH standard units	NS	NS	NS	NS	NS	NS	NS	NS	NS	

SENECA ARMY DEPOT
SEAD-4 EXPANDED SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

MATRIX LOCATION SAMPLE DATE	WATER SEAD-4 01/21/94	WATER SEAD-4 01/21/94	WATER SEAD-4 02/04/94	WATER SEAD-4 01/20/94	WATER SEAD-4 01/20/94	WATER SEAD-4 02/01/94	WATER SEAD-4 02/01/94	WATER SEAD-4 01/20/94
ES ID	MW4-1	MW4-1RE	MW4-2	MW4-3	MW4-3RE	MW4-4	MW4-4	MW4-5
LAB ID	209252	209252	210478	209091	209091	210061	210061	209092, 209943
COMPOUND UNITS								
VOLATILE ORGANICS								
Chloromethane	ug/L	10 U	NS	10 U	10 U	NS	10 U	10 U
Bromomethane	ug/L	10 U	NS	10 U	10 U	NS	10 U	10 U
Vinyl Chloride	ug/L	10 U	NS	10 U	10 U	NS	10 U	10 U
Chloroethane	ug/L	10 U	NS	10 U	10 U	NS	10 U	10 U
Methylene Chloride	ug/L	10 U	NS	10 U	10 U	NS	10 U	10 U
Acetone	ug/L	10 U	NS	10 U	10 U	NS	10 U	10 U
Carbon Disulfide	ug/L	10 U	NS	10 U	10 U	NS	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	NS	10 U	10 U	NS	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	NS	10 U	10 U	NS	10 U	10 U
1,2-Dichloroethane (total)	ug/L	10 U	NS	10 U	10 U	NS	10 U	10 U
Chloroform	ug/L	10 U	NS	10 U	10 U	NS	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	NS	10 U	10 U	NS	10 U	10 U
2-Butanone	ug/L	10 U	NS	10 U	10 U	NS	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	NS	10 U	10 U	NS	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	NS	10 U	10 U	NS	10 U	10 U
Bromodichloromethane	ug/L	10 U	NS	10 U	10 U	NS	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	NS	10 U	10 U	NS	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	NS	10 U	10 U	NS	10 U	10 U
Trichloroethene	ug/L	10 U	NS	10 U	10 U	NS	10 U	10 U
Dibromochloromethane	ug/L	10 U	NS	10 U	10 U	NS	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	NS	10 U	10 U	NS	10 U	10 U
Benzene	ug/L	10 U	NS	10 U	10 U	NS	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	NS	10 U	10 U	NS	10 U	10 U
Bromoform	ug/L	10 U	NS	10 U	10 U	NS	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	NS	10 U	10 U	NS	10 U	10 U
2-Hexanone	ug/L	10 U	NS	10 U	10 U	NS	10 U	10 U
Tetrachloroethene	ug/L	10 U	NS	10 U	10 U	NS	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	NS	10 U	10 U	NS	10 U	10 U
Toluene	ug/L	10 U	NS	10 U	10 U	NS	10 U	10 U
Chlorobenzene	ug/L	10 U	NS	10 U	10 U	NS	10 U	10 U
Ethylbenzene	ug/L	10 U	NS	10 U	10 U	NS	10 U	10 U
Styrene	ug/L	10 U	NS	10 U	10 U	NS	10 U	10 U
Xylene (total)	ug/L	10 U	NS	10 U	10 U	NS	10 U	10 U
MTBE	ug/L	NS	NS	NS	NS	NS	NS	NS
HERBICIDES								
2,4-D	ug/L	1.1 U	NS	1.2 U	1.1 U	NS	1.1 U	1.2 U
2,4-DB	ug/L	1.1 U	NS	1.2 U	1.1 U	NS	1.1 U	1.2 U
2,4,5-T	ug/L	0.11 U	NS	0.12 U	0.11 U	NS	0.11 U	0.12 U
2,4,5-TP (Silvex)	ug/L	0.11 U	NS	0.12 U	0.11 U	NS	0.11 U	0.12 U
Dalapon	ug/L	2.5 U	NS	2.6 U	2.4 U	NS	2.5 U	2.7 U
Dicamba	ug/L	0.11 U	NS	0.12 U	0.11 U	NS	0.11 U	0.12 U
Dichloroprop	ug/L	1.1 U	NS	1.2 U	1.1 U	NS	1.1 U	1.2 U
Dinoseb	ug/L	0.53 U	NS	0.57 U	0.53 U	NS	0.54 U	0.57 U
MCPA	ug/L	110 U	NS	120 U	110 U	NS	110 U	120 U
MCPP	ug/L	110 U	NS	120 U	110 U	NS	110 U	120 U
NITROAROMATICS								
HMX	ug/L	1.1 U	0.13 UJ	0.13 U	0.13 U	NS	0.13 U	0.13 UJ
RDX	ug/L	0.13 U	0.13 UJ	0.13 U	0.13 U	NS	0.13 U	0.13 UJ
1,3,5-Trinitrobenzene	ug/L	0.13 U	0.13 UJ	0.13 U	0.13 U	NS	0.13 U	0.13 UJ
1,3-Dinitrobenzene	ug/L	0.13 U	0.13 UJ	0.13 U	0.13 U	NS	0.13 U	0.13 UJ
Tetryl	ug/L	0.13 U	0.13 UJ	0.13 U	0.13 U	NS	0.13 U	0.13 UJ
2,4,6-Trinitrotoluene	ug/L	0.13 U	0.13 UJ	0.13 U	0.13 U	NS	0.13 U	0.13 UJ
4-amino-2,6-Dinitrotoluene	ug/L	0.13 U	0.13 UJ	0.13 U	0.13 U	NS	0.13 U	0.13 UJ
2-amino-4,6-Dinitrotoluene	ug/L	0.13 U	0.13 UJ	0.13 U	0.13 U	NS	0.13 U	0.13 UJ
2,6-Dinitrotoluene	ug/L	0.13 U	0.13 UJ	0.13 U	0.13 U	NS	0.13 U	0.13 UJ
2,4-Dinitrotoluene	ug/L	0.13 U	0.13 UJ	0.13 U	0.13 U	NS	0.13 U	0.13 UJ

NOTES:
NS stands for NOT SAMPLED

SENECA ARMY DEPOT
SEAD-4 EXPANDED SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID UNITS	WATER SEAD-4 01/21/94 MW4-1 209252	WATER SEAD-4 01/21/94 MW4-1RE 209252	WATER SEAD-4 02/04/94 MW4-2 210478	WATER SEAD-4 01/20/94 MW4-3 209091	WATER SEAD-4 01/20/94 MW4-3RE 209091	WATER SEAD-4 02/01/94 MW4-4 210061	WATER SEAD-4 01/20/94 MW4-5 209092, 209943
SEMIVOLATILE ORGANICS								
Phenol	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
bis(2-Chloroethyl) ether	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
2-Chlorophenol	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
1,3-Dichlorobenzene	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
1,4-Dichlorobenzene	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
1,2-Dichlorobenzene	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
2-Methylphenol	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
2,2'-oxybis(1-Chloropropane)	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
4-Methylphenol	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
N-Nitroso-di-n-propylamine	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
Hexachloroethane	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
Nitrobenzene	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
Isophorone	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
2-Nitrophenol	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
2,4-Dimethylphenol	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
bis(2-Chloroethoxy) methane	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
2,4-Dichlorophenol	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
1,2,4-Trichlorobenzene	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
Naphthalene	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
4-Chloroaniline	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
Hexachlorobutadiene	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
4-Chloro-3-methylphenol	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
2-Methylnaphthalene	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
Hexachlorocyclopentadiene	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
2,4,6-Trichlorophenol	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
2,4,5-Trichlorophenol	ug/L	28 U	NS	25 U	26 U	NS	25 U	27 U
2-Chloronaphthalene	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
2-Nitroaniline	ug/L	28 U	NS	25 U	26 U	NS	25 U	27 U
Dimethylphthalate	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
Acenaphthylene	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
2,6-Dinitrotoluene	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
3-Nitroaniline	ug/L	28 U	NS	25 U	26 U	NS	25 U	27 U
Acenaphthene	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
2,4-Dinitrophenol	ug/L	28 U	NS	25 U	26 U	NS	25 U	27 U
4-Nitrophenol	ug/L	28 U	NS	25 U	26 U	NS	25 U	27 U
Dibenzofuran	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
2,4-Dinitrotoluene	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
Diethylphthalate	ug/L	0.9 J	NS	10 U	0.5 J	NS	10 U	0.6 J
4-Chlorophenyl-phenylether	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
Fluorene	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
4-Nitroaniline	ug/L	28 U	NS	25 U	26 U	NS	25 U	27 U
4,6-Dinitro-2-methylphenol	ug/L	28 U	NS	25 U	26 U	NS	25 U	27 U
N-Nitrosodiphenylamine	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
4-Bromophenyl-phenylether	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
Hexachlorobenzene	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
Pentachlorophenol	ug/L	28 U	NS	25 U	26 U	NS	25 U	27 U
Phenanthrene	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
Anthracene	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
Carbazole	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
Di-n-butylphthalate	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
Fluoranthene	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
Pyrene	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
Butylbenzylphthalate	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
3,3'-Dichlorobenzidine	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
Benzo(a)anthracene	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
Chrysene	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
bis(2-Ethylhexyl)phthalate	ug/L	11 U	NS	10 U	10 U	NS	10 U	14 U
Di-n-octylphthalate	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
Benzo(b)fluoranthene	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
Benzo(k)fluoranthene	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
Benzo(a)pyrene	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
Dibenz(a,h)anthracene	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U
Benzo(g,h,i)perylene	ug/L	11 U	NS	10 U	10 U	NS	10 U	11 U

SENECA ARMY DEPOT
SEAD-4 EXPANDED SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	SEAD-4 SAMPLE DATE ES ID LAB ID UNITS	SEAD-4 01/21/94 MW4-1 209252	SEAD-4 01/21/94 MW4-1RE 209252	SEAD-4 02/04/94 MW4-2 210478	SEAD-4 01/20/94 MW4-3 209091	SEAD-4 01/20/94 MW4-3PRE 209091	SEAD-4 02/01/94 MW4-4 210061	SEAD-4 01/20/94 MW4-5 209092, 209943
PESTICIDES/PCB								
alpha-BHC	ug/L	0.054 U	NS	0.064 UJ	0.052 U	NS	0.062 U	0.058 UJ
beta-BHC	ug/L	0.054 U	NS	0.064 UJ	0.052 U	NS	0.062 U	0.058 UJ
delta-BHC	ug/L	0.054 U	NS	0.064 UJ	0.052 U	NS	0.062 U	0.058 UJ
gamma-BHC (Lindane)	ug/L	0.054 U	NS	0.064 UJ	0.052 U	NS	0.062 U	0.058 UJ
Heptachlor	ug/L	0.054 U	NS	0.064 UJ	0.052 U	NS	0.062 U	0.058 UJ
Aldrin	ug/L	0.054 U	NS	0.064 UJ	0.052 U	NS	0.062 U	0.058 UJ
Heptachlor epoxide	ug/L	0.054 U	NS	0.064 UJ	0.052 U	NS	0.062 U	0.058 UJ
Endosulfan I	ug/L	0.054 U	NS	0.064 UJ	0.052 U	NS	0.062 U	0.058 UJ
Dieldrin	ug/L	0.11 U	NS	0.13 UJ	0.1 U	NS	0.12 U	0.12 UJ
4,4'-DDE	ug/L	0.11 U	NS	0.13 UJ	0.1 U	NS	0.12 U	0.12 UJ
Endrin	ug/L	0.11 U	NS	0.13 UJ	0.1 U	NS	0.12 U	0.12 UJ
Endosulfan II	ug/L	0.11 U	NS	0.13 UJ	0.1 U	NS	0.12 U	0.12 UJ
4,4'-DDD	ug/L	0.11 U	NS	0.13 UJ	0.1 U	NS	0.12 U	0.12 UJ
Endosulfan sulfate	ug/L	0.11 U	NS	0.13 UJ	0.1 U	NS	0.12 U	0.12 UJ
4,4'-DDT	ug/L	0.11 U	NS	0.13 UJ	0.1 U	NS	0.12 U	0.12 UJ
Methoxychlor	ug/L	0.54 U	NS	0.64 UJ	0.52 U	NS	0.62 U	0.58 UJ
Endrin ketone	ug/L	0.11 U	NS	0.13 UJ	0.1 U	NS	0.12 U	0.12 UJ
Endrin aldehyde	ug/L	0.11 U	NS	0.13 UJ	0.1 U	NS	0.12 U	0.12 UJ
alpha-Chlordane	ug/L	0.054 U	NS	0.064 UJ	0.052 U	NS	0.062 U	0.058 UJ
gamma-Chlordane	ug/L	0.054 U	NS	0.064 UJ	0.052 U	NS	0.062 U	0.058 UJ
Toxaphene	ug/L	5.4 U	NS	6.4 UJ	5.2 U	NS	6.2 U	5.8 UJ
Aroclor-1016	ug/L	1.1 U	NS	1.3 UJ	1 U	NS	1.2 U	1.2 UJ
Aroclor-1221	ug/L	2.2 U	NS	2.5 UJ	2.1 U	NS	2.5 U	2.3 UJ
Aroclor-1232	ug/L	1.1 U	NS	1.3 UJ	1 U	NS	1.2 U	1.2 UJ
Aroclor-1242	ug/L	1.1 U	NS	1.3 UJ	1 U	NS	1.2 U	1.2 UJ
Aroclor-1248	ug/L	1.1 U	NS	1.3 UJ	1 U	NS	1.2 U	1.2 UJ
Aroclor-1254	ug/L	1.1 U	NS	1.3 UJ	1 U	NS	1.2 U	1.2 UJ
Aroclor-1260	ug/L	1.1 U	NS	1.3 UJ	1 U	NS	1.2 U	1.2 UJ
METALS								
Aluminum	ug/L	41.9 U	NS	435	725	NS	1240	108 J
Antimony	ug/L	21.6 U	NS	39.3 J R	21.4 U	NS	33.8 J R	21.4 U
Arsenic	ug/L	2.2 J	NS	1.4 U	1 J	NS	1.4 U	0.8 U
Barium	ug/L	19.6 J	NS	19.3 J	42.7 J	NS	46.7 J	36.1 J
Beryllium	ug/L	0.4 U	NS	0.4 U	6.3	NS	0.4 U	0.4 U
Cadmium	ug/L	2.1 U	NS	2.1 U	5.6	NS	2.1 U	2.1 U
Calcium	ug/L	137000	NS	66300	122000	NS	123000	147000
Chromium	ug/L	2.6 U	NS	2.6 U	6.9 J	NS	21.3	2.6 U
Cobalt	ug/L	4.6 J	NS	4.4 U	8.2 J	NS	4.4 U	5.2 J
Copper	ug/L	3.1 U	NS	3.1 U	6.6 J R	NS	37.8 R	3.1 U
Iron	ug/L	332	NS	471	745	NS	2270	143
Lead	ug/L	0.5 U	NS	1.9 J R	0.56 J	NS	2.2 J R	0.5 U
Magnesium	ug/L	57600	NS	10100	32800	NS	19100	31000
Manganese	ug/L	346	NS	60.5	229	NS	263	477
Mercury	ug/L	0.04 U	NS	0.04 U	0.04 J R	NS	0.04 U	0.04 J R
Nickel	ug/L	4 U	NS	4 U	4.4 J	NS	6.4 J	4 U
Potassium	ug/L	7380	NS	1840 J	5250	NS	4540 J	7320
Selenium	ug/L	2.1 J	NS	0.7 U	1.4 J	NS	0.7 U	0.9 J
Silver	ug/L	4.2 U	NS	4.2 U	6.7 J	NS	4.2 U	4.2 U
Sodium	ug/L	11700	NS	12400	31100	NS	11200	14100
Thallium	ug/L	1.2 U	NS	1.2 U	1.2 U	NS	1.2 U	1.2 U
Vanadium	ug/L	3.7 U	NS	3.7 U	7.7 J	NS	4.9 J	3.7 U
Zinc	ug/L	19.1 J R	NS	15.2 J R	17.7 J R	NS	95	42.6
Cyanide	ug/L	5 U	NS	5 U	5 U	NS	5 U	5 U
OTHER ANALYSES								
Nitrate/Nitrite - Nitrogen	mg/L	0.12	NS	0.23	0.25	NS	0.11	0.07
Total Petroleum Hydrocarbons	mg/L	NS	NS	NS	NS	NS	NS	NS
Fluoride	mg/L	NS	NS	NS	NS	NS	NS	NS
pH	standard units	7.2	NS	7.46	7.46	NS	7.76	7.57
Specific Conductivity	umhos/cm	600	NS	228	550	NS	400	480
Turbidity	NTU	3.1	NS	72.7	12.4	NS	6.2	1.1

SENECA ARMY DEPOT
SEAD-4 EXPANDED SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

MATRIX LOCATION	WATER	WATER	WATER	WATER
SAMPLE DATE	SEAD-4	SEAD-4	SEAD-4	SEAD-4
ES ID	11/02/93	11/02/93	11/02/93	12/17/93
LAB ID	SW4-1	SW4-3	SW4-2	4PIPE
UNITS	203210	203213	203212	206099
COMPOUND		SW4-1DUP		
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
MTBE	ug/L	NS	NS	NS
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 (SINEX)	ug/L	0.11 U	0.11 U	0.11 U
Dalapon	ug/L	2.5 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	0.54 U	0.52 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 UJ	0.13 U	0.13 U
RDX	ug/L	0.13 UJ	0.13 U	0.13 U
1,3,5-Trinitrobenzene	ug/L	0.13 UJ	0.13 U	0.13 U
1,3-Dinitrobenzene	ug/L	0.13 UJ	0.13 U	0.07 J
Tetryl	ug/L	0.13 UJ	0.13 U	0.13 U
2,4,6-Trinitrotoluene	ug/L	0.13 UJ	0.13 U	0.13 U
4-amino-2,6-Dinitrotoluene	ug/L	0.13 UJ	0.13 U	0.13 U
2-amino-4,6-Dinitrotoluene	ug/L	0.13 UJ	0.13 U	0.13 U
2,6-Dinitrotoluene	ug/L	0.13 UJ	0.13 U	0.13 U
2,4-Dinitrotoluene	ug/L	0.13 UJ	0.13 U	0.13 UJ

NOTES:
NS stands for NOT SAMPLED

SENECA ARMY DEPOT
SEAD-4 EXPANDED SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

MATRIX LOCATION	WATER	WATER	WATER	WATER
SEAD-4	SEAD-4	SEAD-4	SEAD-4	SEAD-4
11/02/93	11/02/93	11/02/93	11/02/93	12/17/93
SW4-1	SW4-3	SW4-2	SW4-2	4PIPE
203210	203213	203212	203212	206099
ES ID	SW4-1	SW4-3	SW4-2	4PIPE
LAB ID	203210	203213	203212	206099
UNITS	203210	SW4-1DUP	203212	206099
COMPOUND				
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	26 U	25 U
2-Chloronaphthalene	ug/L	10 U	10 U	10 U
2-Nitroaniline	ug/L	25 U	26 U	25 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	26 U	25 U
Acenaphthene	ug/L	10 U	10 U	10 U
2,4-Dinitrophenol	ug/L	25 U	26 U	25 U
4-Nitrophenol	ug/L	25 U	26 U	25 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-phenylether	ug/L	10 U	10 U	10 U
Fluorene	ug/L	10 U	10 U	10 U
4-Nitroaniline	ug/L	25 U	26 U	25 U
4,6-Dinitro-2-methylphenol	ug/L	25 U	26 U	25 U
N-Nitrosodiphenylamine	ug/L	10 U	10 U	10 U
4-Bromophenyl-phenylether	ug/L	10 U	10 U	10 U
Hexachlorobenzene	ug/L	10 U	10 U	10 U
Pentachlorophenol	ug/L	25 U	26 U	25 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-4 EXPANDED SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID UNITS	WATER SEAD-4 11/02/93 SW4-1 203210	WATER SEAD-4 11/02/93 SW4-3 203213 SW4-1DUP	WATER SEAD-4 11/02/93 SW4-2 203212	WATER SEAD-4 12/17/93 4PIPE 206099
PESTICIDES/PCB					
alpha-BHC	ug/L	0.052 U	0.05 U	0.052 U	0.052 U
beta-BHC	ug/L	0.052 U	0.05 U	0.052 U	0.052 U
delta-BHC	ug/L	0.052 U	0.05 U	0.052 U	0.052 U
gamma-BHC (Lindane)	ug/L	0.052 U	0.05 U	0.052 U	0.052 U
Heptachlor	ug/L	0.052 U	0.05 U	0.052 U	0.052 U
Aldrin	ug/L	0.052 U	0.05 U	0.052 U	0.052 U
Heptachlor epoxide	ug/L	0.052 U	0.05 U	0.052 U	0.052 U
Endosulfan I	ug/L	0.052 U	0.05 U	0.052 U	0.052 U
Dieldrin	ug/L	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDE	ug/L	0.1 U	0.1 U	0.1 U	0.1 U
Endrin	ug/L	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan II	ug/L	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDD	ug/L	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan sulfate	ug/L	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDT	ug/L	0.1 U	0.1 U	0.1 U	0.1 U
Methoxychlor	ug/L	0.52 U	0.5 U	0.52 U	0.52 U
Endrin ketone	ug/L	0.1 U	0.1 U	0.1 U	0.1 U
Endrin aldehyde	ug/L	0.1 U	0.1 U	0.1 U	0.1 U
alpha-Chlordane	ug/L	0.052 U	0.05 U	0.052 U	0.052 U
gamma-Chlordane	ug/L	0.052 U	0.05 U	0.052 U	0.052 U
Toxaphene	ug/L	5.2 U	5 U	5.2 U	5.2 U
Aroclor-1016	ug/L	1 U	1 U	1 U	1 U
Aroclor-1221	ug/L	2.1 U	2 U	2.1 U	2.1 U
Aroclor-1232	ug/L	1 U	1 U	1 U	1 U
Aroclor-1242	ug/L	1 U	1 U	1 U	1 U
Aroclor-1248	ug/L	1 U	1 U	1 U	1 U
Aroclor-1254	ug/L	1 U	1 U	1 U	1 U
Aroclor-1260	ug/L	1 U	1 U	1 U	1 U
METALS					
Aluminum	ug/L	237	194 J	314	42.6 J
Antimony	ug/L	52.8 U	52.4 U	52.4 U	21.6 U
Arsenic	ug/L	1.2 U	1.2 U	1.2 U	0.8 U
Barium	ug/L	21.3 J	21.5 J	24.9 J	49.6 J
Beryllium	ug/L	0.3 U	0.3 U	0.3 U	0.4 U
Cadmium	ug/L	3.3 U	3.3 U	3.3 U	2.1 U
Calcium	ug/L	45600	46800	51200	115000
Chromium	ug/L	19.2	19.7	44.8	2.6 U
Cobalt	ug/L	4.9 U	4.9 U	4.9 U	4.4 U
Copper	ug/L	47.3	50.9	66.9	6 J
Iron	ug/L	443 J	349 J	630 J	657
Lead	ug/L	0.79 UU	10.7 J	3.1	5.7
Magnesium	ug/L	10500	10700	10800	21100
Manganese	ug/L	28.1	25	45.8	1.8 J
Mercury	ug/L	0.07 U	0.07 U	0.07 U	0.04 U
Nickel	ug/L	4.1 U	4.1 U	4.1 U	4 U
Potassium	ug/L	1680 J	1830 J	1720 J	1170 J
Selenium	ug/L	1.1 U	1.1 U	1.1 U	0.7 U
Silver	ug/L	6.7 UU	6.6 UU	6.6 UU	4.2 U
Sodium	ug/L	12800	13300	13200	21700
Thallium	ug/L	1.2 U	1.2 U	1.2 U	2.4 J
Vanadium	ug/L	3.3 U	3.3 U	3.3 U	3.7 U
Zinc	ug/L	10.7 J	9.2 J	20.3	4 J R
Cyanide	ug/L	8.3 U	8.3 U	8.3 U	5 U
OTHER ANALYSES					
Nitrate/Nitrite - Nitrogen	mg/L	0.03	0.02	0.03	0.33
Total Petroleum Hydrocarbons	mg/L	NS	NS	NS	NS
Fluoride	mg/L	NS	NS	NS	NS
pH	standard units	7.54	7.54	7.92	7.75
Specific Conductivity	umhos/cm	220	220	260	485
Turbidity	NTU	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-4 EXPANDED SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-4 0-0.5 11/02/93 ES ID SD4-1 LAB ID 203271 UNITS	SOIL SEAD-4 0-0.5 11/02/93 SD4-2 203272	SOIL SEAD-4 0-0.5 11/02/93 SD4-3 203273	SOIL SEAD-4 0-0.5 12/14/93 SD4-4 206905	SOIL SEAD-4 0-0.5 12/14/93 SD4-5 206906	SOIL SEAD-4 0-0.5 12/14/93 SD4-6 206907	SOIL SEAD-4 0-0.5 12/14/93 SD4-7 206908	SOIL SEAD-4 0-0.5 12/14/93 SD4-8 206909	SOIL SEAD-4 0-0.5 12/14/93 SD4-9 206910	
SEMIVOLATILE ORGANICS										
Phenol	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
bis(2-Chloroethyl) ether	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
2-Chlorophenol	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
1,3-Dichlorobenzene	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
1,4-Dichlorobenzene	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
1,2-Dichlorobenzene	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
2-Methylphenol	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
2,2'-oxybis(1-Chloropropane)	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
4-Methylphenol	ug/Kg	140 J	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
N-Nitroso-di-n-propylamine	ug/Kg	1200 UJ	410 J	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
Hexachloroethane	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
Nitrobenzene	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
Isophorone	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
2-Nitrophenol	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
2,4-Dimethylphenol	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
bis(2-Chloroethoxy) methane	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
2,4-Dichlorophenol	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
1,2,4-Trichlorobenzene	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
Naphthalene	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
4-Chloroaniline	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
Hexachlorobutadiene	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
4-Chloro-3-methylphenol	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
2-Methylnaphthalene	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
Hexachlorocyclopentadiene	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
2,4,6-Trichlorophenol	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
2,4,5-Trichlorophenol	ug/Kg	2800 UJ	1400 U	990 U	1400 U	1500 U	1900 UJ	2500 UJ	9400 UJ	6700 UJ
2-Chloronaphthalene	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
2-Nitroaniline	ug/Kg	2800 UJ	1400 U	990 U	1400 U	1500 U	1900 UJ	2500 UJ	9400 UJ	6700 UJ
Dimethylphthalate	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
Acenaphthylene	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
2,6-Dinitrotoluene	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
3-Nitroaniline	ug/Kg	2800 UJ	1400 U	990 U	1400 U	1500 U	1900 UJ	2500 UJ	9400 UJ	6700 UJ
Acenaphthene	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	56 J	3900 UJ	2800 UJ
2,4-Dinitrophenol	ug/Kg	2800 UJ	1400 U	990 U	1400 U	1500 U	1900 UJ	2500 UJ	9400 UJ	6700 UJ
4-Nitrophenol	ug/Kg	2800 UJ	1400 U	990 U	1400 U	1500 U	1900 UJ	2500 UJ	9400 UJ	6700 UJ
Dibenzofuran	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	63 J	3900 UJ	2800 UJ
2,4-Dinitrotoluene	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
Diethylphthalate	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
4-Chlorophenyl-phenylether	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
Fluorene	ug/Kg	1200 UJ	29 J	410 U	580 U	630 U	780 UJ	85 J	3900 UJ	2800 UJ
4-Nitroaniline	ug/Kg	2800 UJ	1400 U	990 U	1400 U	1500 U	1900 UJ	2500 UJ	9400 UJ	6700 UJ
4,6-Dinitro-2-methylphenol	ug/Kg	2800 UJ	1400 U	990 U	1400 U	1500 U	1900 UJ	2500 UJ	9400 UJ	6700 UJ
N-Nitrosodiphenylamine	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	760 J	3900 UJ	2800 UJ
4-Bromophenyl-phenylether	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
Hexachlorobenzene	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
Pentachlorophenol	ug/Kg	2800 UJ	1400 U	990 U	1400 U	1500 U	1900 UJ	2500 UJ	9400 UJ	6700 UJ
Phenanthrene	ug/Kg	1200 UJ	580 U	410 U	86 J	630 U	780 UJ	490 J	3900 UJ	220 J
Anthracene	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	170 J	3900 UJ	2800 UJ
Carbazole	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
Di-n-butylphthalate	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	69 J	83 J	250 J	2800 UJ
Fluoranthene	ug/Kg	1200 UJ	31 J	410 U	190 J	630 U	780 UJ	560 J	330 J	310 J
Pyrene	ug/Kg	1200 UJ	26 J	410 U	180 J	630 U	780 UJ	480 J	320 J	290 J
Butylbenzylphthalate	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
3,3'-Dichlorobenzidine	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
Benzo(a)anthracene	ug/Kg	1200 UJ	580 U	410 U	95 J	630 U	780 UJ	300 J	3900 UJ	2800 UJ
Chrysene	ug/Kg	1200 UJ	580 U	410 U	160 J	630 U	780 UJ	290 J	3900 UJ	200 J
bis(2-Ethylhexyl)phthalate	ug/Kg	1200 UJ	580 U	410 U	500 J	630 U	780 UJ	2200 J	3600 J	560 J
Di-n-octylphthalate	ug/Kg	1200 UJ	46 J	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
Benzo(b)fluoranthene	ug/Kg	1200 UJ	580 U	410 U	250 J	630 U	780 UJ	330 J	3900 UJ	230 J
Benzo(k)fluoranthene	ug/Kg	1200 UJ	580 U	410 U	95 J	630 U	780 UJ	120 J	3900 UJ	2800 UJ
Benzo(a)pyrene	ug/Kg	1200 UJ	580 U	410 U	140 J	630 U	780 UJ	240 J	3900 UJ	2800 UJ
Indeno(1,2,3-cd)pyrene	ug/Kg	1200 UJ	580 U	410 U	86 J	630 U	780 UJ	130 J	3900 UJ	2800 UJ
Dibenz(a,h)anthracene	ug/Kg	1200 UJ	580 U	410 U	580 U	630 U	780 UJ	1000 UJ	3900 UJ	2800 UJ
Benzo(g,h,i)perylene	ug/Kg	1200 UJ	580 U	410 U	65 J	630 U	780 UJ	79 J	3900 UJ	2800 UJ

SENECA ARMY DEPOT
SEAD-4 EXPANDED SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-4 0-0.5 11/02/93 SD4-1 203271	SOIL SEAD-4 0-0.5 11/02/93 SD4-2 203272	SOIL SEAD-4 0-0.5 11/02/93 SD4-3 203273	SOIL SEAD-4 0-0.5 12/14/93 SD4-4 206905	SOIL SEAD-4 0-0.5 12/14/93 SD4-5 206906	SOIL SEAD-4 0-0.5 12/14/93 SD4-6 206907	SOIL SEAD-4 0-0.5 12/14/93 SD4-7 206908	SOIL SEAD-4 0-0.5 12/14/93 SD4-8 206909	SOIL SEAD-4 0-0.5 12/14/93 SD4-9 206910	
PESTICIDES/PCB										
alpha-BHC	ug/Kg	6.1 UJ	3 U	2.1 U	2.9 U	3.3 U	4 UJ	2.7 U	5 UJ	7.1 UJ
beta-BHC	ug/Kg	6.1 UJ	3 U	2.1 U	2.9 U	3.3 U	4 UJ	2.7 U	5 UJ	7.1 UJ
delta-BHC	ug/Kg	6.1 UJ	3 U	2.1 U	2.9 U	3.3 U	4 UJ	2.7 U	5 UJ	7.1 UJ
gamma-BHC (Lindane)	ug/Kg	6.1 UJ	3 U	2.1 U	2.9 U	3.3 U	4 UJ	2.7 U	5 UJ	7.1 UJ
Heptachlor	ug/Kg	6.1 UJ	3 U	2.1 U	2.9 U	3.3 U	4 UJ	2.7 U	5 UJ	7.1 UJ
Aldrin	ug/Kg	6.1 UJ	3 U	2.1 U	2.9 U	3.3 U	4 UJ	2.7 U	2.5 J	7.1 UJ
Heptachlor epoxide	ug/Kg	6.1 UJ	3 U	2.1 U	2.9 U	3.3 U	4 UJ	2.7 U	5 UJ	7.1 UJ
Endosulfan I	ug/Kg	6.1 UJ	3 U	2.1 U	2.9 U	3.3 U	4 UJ	2.7 U	5 UJ	7.1 UJ
Dieldrin	ug/Kg	12 UJ	5.8 U	4.1 U	5.7 U	6.3 U	7.9 UJ	5.2 U	4.6 J	14 UJ
4,4'-DDE	ug/Kg	12 UJ	4.1 J	4.1 U	9.4 J	6.3 U	7.9 UJ	9.8 J	86 J	14 UJ
Endrin	ug/Kg	12 UJ	5.8 U	4.1 U	5.7 U	6.3 U	7.9 UJ	5.2 U	9.7 UJ	14 UJ
Endosulfan II	ug/Kg	12 UJ	5.8 U	4.1 U	5.7 U	6.3 U	7.9 UJ	5.2 U	9.7 UJ	14 UJ
4,4'-DDD	ug/Kg	12 UJ	5.8 U	4.1 U	5.1 J	6.3 U	7.9 UJ	9.1 J	90 J	14 UJ
Endosulfan sulfate	ug/Kg	12 UJ	5.8 U	4.1 U	5.7 U	6.3 U	7.9 UJ	5.2 U	9.7 UJ	14 UJ
4,4'-DDT	ug/Kg	12 UJ	5.8 U	4.1 U	5.7 U	6.3 U	7.9 UJ	5.2 U	9.7 UJ	14 UJ
Methoxychlor	ug/Kg	61 UJ	30 U	21 UJ	29 U	33 U	40 UJ	27 U	50 UJ	71 UJ
Endrin ketone	ug/Kg	12 UJ	5.8 U	4.1 U	5.7 U	6.3 U	7.9 UJ	5.2 U	9.7 UJ	14 UJ
Endrin aldehyde	ug/Kg	12 UJ	3 J	4.1 U	5.7 U	6.3 U	7.9 UJ	3.2 J	11 J	14 UJ
alpha-Chlordane	ug/Kg	6.1 UJ	3 U	2.1 U	4.5 J	3.3 U	4 UJ	7.5 J	12 J	14 UJ
gamma-Chlordane	ug/Kg	6.1 UJ	3 U	2.1 U	3.2 J	3.3 U	4 UJ	6.8 J	11 J	12 J
Toxaphene	ug/Kg	610 UJ	300 U	210 U	290 U	330 U	400 UJ	270 U	500 UJ	710 UJ
Aroclor-1016	ug/Kg	120 UJ	58 U	41 U	57 U	63 U	79 UJ	52 U	97 UJ	140 UJ
Aroclor-1221	ug/Kg	240 UJ	120 U	83 U	120 U	130 U	180 UJ	110 U	200 UJ	280 UJ
Aroclor-1232	ug/Kg	120 UJ	58 U	41 U	57 U	63 U	79 UJ	52 U	97 UJ	140 UJ
Aroclor-1242	ug/Kg	120 UJ	58 U	41 U	57 U	63 U	79 UJ	52 U	97 UJ	140 UJ
Aroclor-1248	ug/Kg	120 UJ	58 U	41 U	57 U	63 U	79 UJ	52 U	97 UJ	140 UJ
Aroclor-1254	ug/Kg	120 UJ	280	29 J	360 J	130 J	79 UJ	95	430 J	74 J
Aroclor-1260	ug/Kg	120 UJ	58 U	41 U	57 U	63 U	79 UJ	48 J	230 J	140 UJ
METALS										
Aluminum	mg/Kg	17500 J	12000	15000	19700	18200	16500 J	9720	13000 J	10200 J
Antimony	mg/Kg	24.5 UJ	30.1	50.4	7.2 UJ	7 J	82.7 J	38.2 J	14.1 J	14.9 UJ
Arsenic	mg/Kg	7.4 J	3.8	8.1	4.5	5.2	5.6 J	5.9	4.9 J	8 J
Barium	mg/Kg	102 J	61.3	68.8	121	130	120 J	311	121 J	150 J
Beryllium	mg/Kg	0.58 J	0.54 J	0.65 J	1 J	0.99 J	0.82 J	0.91 J	0.87 J	0.66 J
Cadmium	mg/Kg	1.5 UJ	0.92 U	0.59 U	3.1	2.8	0.78 UJ	34.1	8.3 J	8.6 J
Calcium	mg/Kg	68100 J	28200	11800	13600	19800	7720 J	127000	15500 J	33700 J
Chromium	mg/Kg	536 J	2230	3310	89.3 J	59.9 J	4170 J	61.3	49.7 J	29.9 J
Cobalt	mg/Kg	14.1 J	9.5 J	12.4	17.3	15.1	11.3 J	14 J	12.2 J	11.6 J
Copper	mg/Kg	411 J	1560	2640	48.5 J	33 J	497 J	112	151 J	94 J
Iron	mg/Kg	25400 J	21100	29200	35200	37200	30200 J	23300	24700 J	27000 J
Lead	mg/Kg	13.5 J	18.6	18.6	535	236	30.7 J	254	374 J	117 J
Magnesium	mg/Kg	7830 J	4830	6070	9130	7750	4420 J	4220	5080 J	4980 J
Manganese	mg/Kg	569 J	383	430	299	337	525 J	1790	274 J	381 J
Mercury	mg/Kg	0.07 J	0.16	0.13	0.07 J	0.04 U	0.55 J	0.55	0.52 J	0.27 J
Nickel	mg/Kg	32.8 J	26.5	33.4	53.1	47.7	27 J	28.7	42.4 J	33.9 J
Potassium	mg/Kg	2780 J	1640	1410	2540	1580	1660 J	1370 J	1750 J	1690 J
Selenium	mg/Kg	0.64 UJ	0.27 U	0.28 U	0.93 J	0.53 J	0.58 J	2.1	2.2 J	2.5 J
Silver	mg/Kg	3.1 UJ	1.9 U	1.2 U	1.4 U	1.2 U	1.7 J	1.2 U	1.9 UJ	2.9 UJ
Sodium	mg/Kg	207 J	97 J	78 J	184 J	127 J	96.3 J	575 J	183 J	225 J
Thallium	mg/Kg	0.7 UJ	0.29 U	0.28 U	0.25 U	0.27 U	0.55 UJ	0.35 U	0.54 UJ	0.83 UJ
Vanadium	mg/Kg	28.2 J	19.5	23.7	35.6	27.7	35.1 J	29.6	49.9 J	29.1 J
Zinc	mg/Kg	180 J	528	630	667	674	330 J	685	484 J	363 J
Cyanide	mg/Kg	1.6 UJ	0.78 U	0.6 U	0.85 U	0.99 U	1.2 UJ	0.75 U	1.5 UJ	1.9 UJ
OTHER ANALYSES										
Nitrate/Nitrite - Nitrogen	mg/Kg	0.05	0.02 U	0.02	0.05	0.02	0.05	0.02 U	0.03 U	0.04 U
Total Solids	%W/W	NS	NS	NS	57.5	51.5	42.2	62.6	33.9	24.5
Total Petroleum Hydrocarbons	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoride	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS
pH	standard units	NS	NS	NS	NS	NS	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-11 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-11 0-2 11/02/93 SB11-3.1 203222	SOIL SEAD-11 0-2 11/02/93 SB11-3.1RE 203222	SOIL SEAD-11 2-4 11/02/93 SB11-3.2 203223	SOIL SEAD-11 2-4 11/02/93 SB11-3.2RE 203223	SOIL SEAD-11 10-12 11/03/93 SB11-3.6 203224	SOIL SEAD-11 10-12 11/03/93 SB11-3.6RE 203224	SOIL SEAD-11 0-0.8 11/20/93 TP11-1.1 205264	SOIL SEAD-11 3.3 11/20/93 TP11-1.2 205265	SOIL SEAD-11 4.2 11/20/93 TP11-1.3 205266	SOIL SEAD-11 0-0.7 11/19/93 TP11-2.1 205111
VOLATILE ORGANICS											
Chloromethane	ug/Kg	12 U	NS	11 U	NS	11 U	NS	22 U	61 U	12 U	12 U
Bromomethane	ug/Kg	12 U	NS	11 U	NS	11 U	NS	22 U	61 U	12 U	12 U
Vinyl Chloride	ug/Kg	12 U	NS	11 U	NS	11 U	NS	22 U	61 U	12 U	12 U
Chloroethane	ug/Kg	12 U	NS	11 U	NS	11 U	NS	22 U	61 U	12 U	12 U
Methylene Chloride	ug/Kg	12 U	NS	11 U	NS	11 U	NS	22 U	61 U	12 U	12 U
Acetone	ug/Kg	12 U	NS	11 U	NS	11 U	NS	22 U	61 U	12 U	12 U
Carbon Disulfide	ug/Kg	12 U	NS	11 U	NS	11 U	NS	22 U	61 U	12 U	12 U
1,1-Dichloroethane	ug/Kg	12 U	NS	11 U	NS	11 U	NS	22 U	61 U	12 U	12 U
1,1-Dichloroethane	ug/Kg	12 U	NS	11 U	NS	11 U	NS	22 U	61 U	12 U	12 U
1,2-Dichloroethane (total)	ug/Kg	12 U	NS	11 U	NS	11 U	NS	22 U	61 U	12 U	12 U
Chloroform	ug/Kg	12 U	NS	11 U	NS	11 U	NS	22 U	61 U	12 U	12 U
1,2-Dichloroethane	ug/Kg	12 U	NS	11 U	NS	11 U	NS	22 U	61 U	12 U	12 U
2-Butanone	ug/Kg	12 U	NS	11 U	NS	11 U	NS	22 U	61 U	12 U	12 U
1,1,1-Trichloroethane	ug/Kg	12 U	NS	11 U	NS	11 U	NS	22 U	61 U	12 U	12 U
Carbon Tetrachloride	ug/Kg	12 U	NS	11 U	NS	11 U	NS	22 U	61 U	12 U	12 U
Bromodichloromethane	ug/Kg	12 U	NS	11 U	NS	11 U	NS	22 U	61 U	12 U	12 U
1,2-Dichloropropane	ug/Kg	12 U	NS	11 U	NS	11 U	NS	22 U	61 U	12 U	12 U
cis-1,3-Dichloropropene	ug/Kg	12 U	NS	11 U	NS	11 U	NS	22 U	61 U	12 U	12 U
Trichloroethene	ug/Kg	12 U	NS	11 U	NS	11 U	NS	410	460	34	13
Dibromochloromethane	ug/Kg	12 U	NS	11 U	NS	11 U	NS	22 U	61 U	12 U	12 U
1,1,2-Trichloroethane	ug/Kg	12 U	NS	11 U	NS	11 U	NS	22 U	61 U	12 U	12 U
Benzene	ug/Kg	12 U	NS	11 U	NS	11 U	NS	22 U	61 U	12 U	12 U
trans-1,3-Dichloropropene	ug/Kg	12 U	NS	11 U	NS	11 U	NS	22 U	61 U	12 U	12 U
Bromoform	ug/Kg	12 U	NS	11 U	NS	11 U	NS	22 U	61 U	12 U	12 U
4-Methyl-2-Pentanone	ug/Kg	12 U	NS	11 U	NS	11 U	NS	22 U	61 U	12 U	12 U
2-Hexanone	ug/Kg	12 U	NS	11 U	NS	11 U	NS	22 U	61 U	12 U	12 U
Tetrachloroethene	ug/Kg	12 U	NS	11 U	NS	11 U	NS	22 U	61 U	12 U	12 U
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	NS	11 U	NS	11 U	NS	22 U	61 U	12 U	12 U
Toluene	ug/Kg	12 U	NS	2 J	NS	3 J	NS	22 U	61 U	12 U	12 U
Chlorobenzene	ug/Kg	12 U	NS	11 U	NS	11 U	NS	22 U	61 U	12 U	12 U
Ethylbenzene	ug/Kg	12 U	NS	11 U	NS	11 U	NS	22 U	61 U	12 U	12 U
Styrene	ug/Kg	12 U	NS	11 U	NS	11 U	NS	22 U	61 U	12 U	12 U
Xylene (total)	ug/Kg	12 U	NS	11 U	NS	11 U	NS	22 U	61 U	12 U	12 U
MTBE	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES											
2,4-D	ug/Kg	62 U	NS	56 U	NS	54 U	NS	58 U	60 U	60 U	61 U
2,4-DB	ug/Kg	62 U	NS	56 U	NS	54 U	NS	75	60 U	60 U	61 U
2,4,5-T	ug/Kg	6.2 U	NS	5.6 U	NS	5.4 U	NS	5.8 U	6 U	6 U	6.1 U
2,4,5-TP (Silvex)	ug/Kg	6.2 U	NS	5.6 U	NS	5.4 U	NS	5.8 U	6 U	6 U	6.1 U
Dalapon	ug/Kg	150 U	NS	140 U	NS	130 U	NS	140 U	150 U	150 U	150 U
Dicamba	ug/Kg	6.2 U	NS	5.6 U	NS	5.4 U	NS	5.8 U	6 U	6 U	6.1 U
Dichloroprop	ug/Kg	62 U	NS	56 U	NS	54 U	NS	58 U	60 U	60 U	61 U
Dinoseb	ug/Kg	31 U	NS	28 U	NS	27 U	NS	29 U	30 U	30 U	31 U
MCPA	ug/Kg	6200 U	NS	5600 U	NS	5400 U	NS	5800 U	6000 U	6000 U	6100 U
MCPP	ug/Kg	6200 U	NS	5600 U	NS	5400 U	NS	5800 U	6000 U	6000 U	6100 U
NITROAROMATICS											
HMX	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	130 U	130 U	130 U
RDX	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	130 U	130 U	130 U
1,3,5-Trinitrobenzene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	130 U	130 U	130 U
1,3-Dinitrobenzene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	130 U	130 U	130 U
Tetryl	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	130 U	130 U	130 U
2,4,6-Trinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	130 U	130 U	130 U
4-amino-2,6-Dinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	130 U	130 U	130 U
2-amino-4,6-Dinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	130 U	130 U	130 U
2,8-Dinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	130 U	130 U	130 U
2,4-Dinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	130 U	440	130 U

NOTES:
NS stands for NOT SAMPLED
NA stands for NOT ANALYZED

SENECA ARMY DEPOT
SEAD-11 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	ES ID	LAB ID	SOIL SEAD-11 0-2 11/02/93 SB11-3.1 203222	SOIL SEAD-11 0-2 11/02/93 SB11-3.1RE 203222	SOIL SEAD-11 2-4 11/02/93 SB11-3.2 203223	SOIL SEAD-11 2-4 11/02/93 SB11-3.2RE 203223	SOIL SEAD-11 10-12 11/03/93 SB11-3.6 203224	SOIL SEAD-11 10-12 11/03/93 SB11-3.6RE 203224	SOIL SEAD-11 0-0.8 11/20/93 TP11-1.1 205264	SOIL SEAD-11 3.3 11/20/93 TP11-1.2 205265	SOIL SEAD-11 4.2 11/20/93 TP11-1.3 205266	SOIL SEAD-11 0-0.7 11/19/93 TP11-2.1 205111
SEMIVOLATILE ORGANICS												
Phenol	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
bis(2-Chloroethyl) ether	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
2-Chlorophenol	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
1,3-Dichlorobenzene	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
1,4-Dichlorobenzene	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
1,2-Dichlorobenzene	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
2-Methylphenol	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
4-Methylphenol	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
N-Nitroso-d-n-propylamine	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
Hexachloroethane	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
Nitrobenzene	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
Isophorone	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
2-Nitrophenol	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
2,4-Dimethylphenol	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
bis(2-Chloroethoxy) methane	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
2,4-Dichlorophenol	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
1,2,4-Trichlorobenzene	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
Naphthalene	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	23 J	39 J	400 U	400 U	220 J
4-Chloroaniline	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
Hexachlorobutadiene	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
4-Chloro-3-methylphenol	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
2-Methylnaphthalene	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	27 J	27 J	400 U	400 U	1400 U
Hexachlorocyclopentadiene	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
2,4,6-Trichlorophenol	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
2,4,5-Trichlorophenol	ug/Kg	990 U	990 UJ	890 U R	900 UJ	860 U R	870 UJ	930 U	960 U	960 U	960 U	3300 U
2-Chloronaphthalene	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
2-Nitroaniline	ug/Kg	990 U	990 UJ	890 U R	900 UJ	860 U R	870 UJ	930 U	960 U	960 U	960 U	3300 U
Dimethylphthalate	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
Acenaphthylene	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
2,6-Dinitrotoluene	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
3-Nitroaniline	ug/Kg	990 U	990 UJ	890 U R	900 UJ	860 U R	870 UJ	930 U	960 U	960 U	960 U	3300 U
Acenaphthene	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	630 J
2,4-Dinitrophenol	ug/Kg	990 U	990 UJ	890 U R	900 UJ	860 U R	870 UJ	930 U	960 U	960 U	960 U	3300 U
4-Nitrophenol	ug/Kg	990 U	990 UJ	890 U R	900 UJ	860 U R	870 UJ	930 U	960 U	960 U	960 U	3300 U
Dibenzofuran	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	23 J	25 J	400 U	400 U	250 J
2,4-Dinitrotoluene	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
Diethylphthalate	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
4-Chlorophenyl-phenylether	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
Fluorene	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	21 J	20 J	400 U	400 U	510 J
4-Nitroaniline	ug/Kg	990 U	990 UJ	890 U R	900 UJ	860 U R	870 UJ	930 U	960 U	960 U	960 U	3300 U
4,8-Dinitro-2-methylphenol	ug/Kg	990 U	990 UJ	890 U R	900 UJ	860 U R	870 UJ	930 U	960 U	960 U	960 U	3300 U
N-Nitrosodiphenylamine	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
4-Bromophenyl-phenylether	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
Hexachlorobenzene	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
Pentachlorophenol	ug/Kg	990 U	990 UJ	890 U R	900 UJ	860 U R	870 UJ	930 U	960 U	960 U	960 U	3300 U
Phenanthrene	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	230 J	260 J	400 U	400 U	5800
Anthracene	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	53 J	42 J	400 U	400 U	1100 J
Carbazole	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	820 J
Di-n-butylphthalate	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
Fluoranthene	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	450	340 J	21 J	400 U	9800
Pyrene	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	420	280 J	400 U	400 U	8500
Butylbenzylphthalate	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
3,3'-Dichlorobenzidine	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
Benzo(a)anthracene	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	150 J	160 J	400 U	400 U	4200
Chrysene	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	320 J	230 J	400 U	400 U	4500
bis(2-Ethylhexyl)phthalate	ug/Kg	740 U	670 J	480 U R	760 UJ	350 U R	1400 UJ	380 U	67 J	25 J	400 U	1400 U
Di-n-octylphthalate	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	380 U	400 U	400 U	400 U	1400 U
Benzo(b)fluoranthene	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	230 J	200 J	400 U	400 U	4700
Benzo(k)fluoranthene	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	190 J	140 J	400 U	400 U	3000
Benzo(a)pyrene	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	210 J	130 J	400 U	400 U	3800
Indeno(1,2,3-cd)pyrene	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	140 J	66 J	400 U	400 U	2800
Dibenz(a,h)anthracene	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	60 J	37 J	400 U	400 U	1100 J
Benzo(g,h,i)perylene	ug/Kg	410 U	410 UJ	370 U R	370 UJ	350 U R	360 UJ	81 J	400 U	400 U	400 U	1000 J

SENECA ARMY DEPOT
SEAD-11 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-11 0-2 11/02/93 SB11-3.1 203222	SOIL SEAD-11 0-2 11/02/93 SB11-3.1RE 203222	SOIL SEAD-11 2-4 11/02/93 SB11-3.2 203223	SOIL SEAD-11 2-4 11/02/93 SB11-3.2RE 203223	SOIL SEAD-11 10-12 11/03/93 SB11-3.6 203224	SOIL SEAD-11 10-12 11/03/93 SB11-3.6RE 203224	SOIL SEAD-11 0-0.8 11/20/93 TP11-1.1 205264	SOIL SEAD-11 3.3 11/20/93 TP11-1.2 205265	SOIL SEAD-11 4.2 11/20/93 TP11-1.3 205266	SOIL SEAD-11 0-0.7 11/19/93 TP11-2.1 205111	
PESTICIDES/PCB											
alpha-BHC ug/Kg	2.1 U	2.1 UJ	1.9 U	1.9 UJ	1.8 U	1.8 UJ	2 U	2 U	24 J	10 U	
beta-BHC ug/Kg	2.1 U	2.1 UJ	1.9 U	1.9 UJ	1.8 U	1.8 UJ	2 U	2 U	20 U R	10 U	
delta-BHC ug/Kg	2.1 U	2.1 UJ	1.9 U	1.9 UJ	1.8 U	1.8 UJ	2 U	2 U	15 J	10 U	
gamma-BHC (Lindane) ug/Kg	21 U	2.1 UJ	18 U	1.9 UJ	15 U	1.8 UJ	2 U	2 U	20 U R	10 U	
Heptachlor ug/Kg	20 U	2.1 UJ	17 U	1.9 UJ	15 U	1.8 UJ	2 U	2 U	20 U R	10 U	
Aldrin ug/Kg	21 U	2.1 UJ	18 U	1.9 UJ	15 U	1.8 UJ	2 U	2 U	20 U R	10 U	
Heptachlor epoxide ug/Kg	2.1 U	2.1 UJ	1.9 U	1.9 UJ	1.8 U	1.8 UJ	2 U	2 U	20 U R	10 U	
Endosulfan I ug/Kg	2.1 U	2.1 UJ	1.9 U	1.9 UJ	1.8 U	1.8 UJ	2 U	2 U	20 U R	10 U	
Dieldrin ug/Kg	41 U	4.1 UJ	36 U	3.7 UJ	30 U	3.6 UJ	3.2 J	8.4 J	29 J	20 U	
4,4'-DDE ug/Kg	4.1 U	4.1 UJ	3.7 U	3.7 UJ	3.6 U	3.6 UJ	10	5.6 J	200 J	120	
Endrin ug/Kg	43 U	4.1 UJ	37 U	3.7 UJ	31 U	3.6 UJ	3.8 U	4 U	49 J	20 U	
Endosulfan II ug/Kg	4.1 U	4.1 UJ	3.7 U	3.7 UJ	3.6 U	3.6 UJ	3.8 U	3.1 J	40 U R	20 U	
4,4'-DDD ug/Kg	4.1 U	4.1 UJ	3.7 U	3.7 UJ	3.6 U	3.6 UJ	2.9 J	4 U	28 J	18 J	
Endosulfan sulfate ug/Kg	4.1 U	4.1 UJ	3.7 U	3.7 UJ	3.6 U	3.6 UJ	3.8 U	2.5 J	40 U R	20 U	
4,4'-DDT ug/Kg	4.1 U	4.1 UJ	35 U	3.7 UJ	30 U	3.6 UJ	12	3.5 J	290 J	140 J	
Methoxychlor ug/Kg	21 U	19 U	19 U	19 UJ	18 U	18 UJ	20 U	20 U	200 U R	100 U	
Endrin ketone ug/Kg	4.1 U	4.1 UJ	3.7 U	3.7 UJ	3.6 U	3.6 UJ	3.8 U	4 U	40 U R	20 U	
Endrin aldehyde ug/Kg	4.1 U	4.1 UJ	3.7 U	3.7 UJ	3.6 U	3.6 UJ	3.8 U	4 U	40 U R	20 U	
alpha-Chlordane ug/Kg	2.1 U	2.1 UJ	1.9 U	1.9 UJ	1.8 U	1.8 UJ	3.3 J	9.1	190 J	10 U	
gamma-Chlordane ug/Kg	2.1 U	2.1 UJ	1.9 U	1.9 UJ	1.8 U	1.8 UJ	2 U	2 U	20 U R	10 U	
Toxaphene ug/Kg	210 U	210 UJ	190 U	190 UJ	180 U	180 UJ	200 U	200 U	2000 U R	1000 U	
Aroclor-1016 ug/Kg	41 U	41 UJ	37 U	37 UJ	36 U	36 UJ	38 U	40 U	400 U R	200 U	
Aroclor-1221 ug/Kg	63 U	83 UJ	75 U	75 UJ	73 U	73 UJ	78 U	81 U	810 U R	410 U	
Aroclor-1232 ug/Kg	41 U	41 UJ	37 U	37 UJ	36 U	36 UJ	38 U	40 U	400 U R	200 U	
Aroclor-1242 ug/Kg	41 U	41 UJ	37 U	37 UJ	36 U	36 UJ	38 U	40 U	400 U R	200 U	
Aroclor-1248 ug/Kg	41 U	41 UJ	37 U	37 UJ	36 U	36 UJ	38 U	40 U	400 U R	200 U	
Aroclor-1254 ug/Kg	41 U	41 UJ	37 U	37 UJ	36 U	36 UJ	38 U	40 U	400 U R	200 U	
Aroclor-1260 ug/Kg	41 U	41 UJ	37 U	37 UJ	36 U	36 UJ	38 U	40 U	400 U R	200 U	
METALS											
Aluminum mg/Kg	17600	NS	6330	NS	10900	NS	13300	12200	11100	15300	
Antimony mg/Kg	10.8 UJ	NS	8 UJ	NS	7.6 UJ	NS	285 J	116 J	8.1 UJ	9.4 UJ	
Arsenic mg/Kg	5.6 R	NS	3.4 R	NS	6 R	NS	15.5	11.8	4.7	23.2 J	
Barium mg/Kg	113	NS	57.4	NS	62.7	NS	1090	953	106	96.9	
Beryllium mg/Kg	0.85 J	NS	0.34 J	NS	0.47 J	NS	0.63 J	0.59 J	0.54 J	0.76 J	
Cadmium mg/Kg	0.67 U	NS	0.5 U	NS	0.48 U	NS	2.3	3.9	0.51 U	0.59 U	
Calcium mg/Kg	4950	NS	91300	NS	46600	NS	30300	41700	54100	18600	
Chromium mg/Kg	24	NS	11.1	NS	18.6	NS	67.2	53.9	18.7	23.9	
Cobalt mg/Kg	11.3	NS	6.5 J	NS	10.1	NS	15.9	15.3	9.4	10.8	
Copper mg/Kg	20	NS	12.2	NS	21.7	NS	492	374	32.4	35.5	
Iron mg/Kg	27200	NS	13200	NS	28300	NS	83600	42000	22700	29200	
Lead mg/Kg	27.9	NS	11.4	NS	10.1	NS	4050	2090	193	84.1	
Magnesium mg/Kg	4160	NS	12900	NS	10100	NS	6760	10800	10100	11300	
Manganese mg/Kg	674	NS	356	NS	434	NS	801	611	637	446	
Mercury mg/Kg	0.05 J	NS	0.04 U	NS	0.03 U	NS	0.07 J	2.9	0.7	0.5 J	
Nickel mg/Kg	28.3	NS	16.7	NS	29.5	NS	70.1	56.5	25.2	30.6	
Potassium mg/Kg	2110	NS	1110	NS	1230	NS	1610	1280	1280	1430	
Selenium mg/Kg	0.24 J	NS	0.13 UJ	NS	0.21 UJ	NS	0.25 UJ	0.25 J	0.15 UJ	0.68 J	
Silver mg/Kg	1.4 UJ	NS	1 UJ	NS	0.97 UJ	NS	2.4	1.5 J	1 U	1.2 U	
Sodium mg/Kg	66.3 J	NS	136 J	NS	146 J	NS	288 J	296 J	111 J	75.1 J	
Thallium mg/Kg	0.19 U	NS	1.5 U	NS	0.23 U	NS	0.27 UJ	0.26 UJ	0.17 UJ	0.21 U	
Vanadium mg/Kg	31.8	NS	13.3	NS	17	NS	24.5	19.5	17.3	23.8	
Zinc mg/Kg	83.2 R	NS	65 R	NS	77.3 R	NS	3600	7980	377	139	
Cyanide mg/Kg	0.57 U	NS	0.47 U	NS	0.53 U	NS	0.54 U	0.56 U	0.59 U	0.58 U	
OTHER ANALYSES											
Nitrate/Nitrite - Nitrogen mg/Kg	0.47	NS	0.27	NS	0.05	NS	0.27	1.09	0.02	0.81	
Total Solids %W/W	81.1	NS	89.1	NS	92.2	NS	86.5	83.2	83.5	81.3	
Total Petroleum Hydrocarbons mg/Kg	64	NS	65	NS	67	NS	2700	1350	66	103	
Fluoride mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
pH standard units	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

SENECA ARMY DEPOT
SEAD-11 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-11 5 11/20/93 TP11-2.2 205267	SOIL SEAD-11 5 11/20/93 TP11-2.3 205268	SOIL SEAD-11 0-2 12/14/93 TP11-3.1 206880	SOIL SEAD-11 2-4 12/14/93 TP11-3.2 206881	SOIL SEAD-11 4-6 12/14/93 TP11-3.3 206882	SOIL SEAD-11 0-2 12/16/93 TP11-4.1 206883	SOIL SEAD-11 2-4 12/16/93 TP11-4.2 206884	SOIL SEAD-11 4-6 12/16/93 TP11-4.3 206885
COMPOUND	UNITS							
VOLATILE ORGANICS								
Chloromethane	ug/Kg	12 U	12 U	33 U	22 U	12 U	11 U	12 U
Bromomethane	ug/Kg	12 U	12 U	33 U	22 U	12 U	11 U	12 U
Vinyl Chloride	ug/Kg	12 U	12 U	33 U	22 U	12 U	11 U	12 U
Chloroethane	ug/Kg	12 U	12 U	33 U	22 U	12 U	11 U	12 U
Methylene Chloride	ug/Kg	12 U	12 U	33 U	22 U	12 U	11 U	12 U
Acetone	ug/Kg	12 U	12 U	33 U	22 U	12 U	11 U	12 U
Carbon Disulfide	ug/Kg	12 U	12 U	33 U	22 U	12 U	11 U	12 U
1,1-Dichloroethane	ug/Kg	12 U	12 U	33 U	22 U	12 U	11 U	12 U
1,1-Dichloroethane (total)	ug/Kg	12 U	12 U	33 U	4 J	3 J	11 U	12 U
Chloroform	ug/Kg	12 U	12 U	33 U	22 U	12 U	11 U	12 U
1,2-Dichloroethane	ug/Kg	12 U	12 U	33 U	22 U	12 U	11 U	12 U
2-Butanone	ug/Kg	12 U	12 U	33 U	22 U	12 U	11 U	12 U
1,1,1-Trichloroethane	ug/Kg	12 U	12 U	33 U	22 U	12 U	11 U	12 U
Carbon Tetrachloride	ug/Kg	12 U	12 U	33 U	22 U	12 U	11 U	12 U
Bromodichloromethane	ug/Kg	12 U	12 U	33 U	22 U	12 U	11 U	12 U
1,2-Dichloropropane	ug/Kg	12 U	12 U	33 U	22 U	12 U	11 U	12 U
cis-1,3-Dichloropropene	ug/Kg	12 U	12 U	33 U	22 U	12 U	11 U	12 U
Trichloroethene	ug/Kg	15	12 U	69	40	40	40	11 J
Dibromochloromethane	ug/Kg	12 U	12 U	33 U	22 U	12 U	11 U	12 U
1,1,2-Trichloroethane	ug/Kg	12 U	12 U	33 U	22 U	12 U	11 U	12 U
Benzene	ug/Kg	12 U	12 U	33 U	22 U	12 U	11 U	12 U
trans-1,3-Dichloropropene	ug/Kg	12 U	12 U	33 U	22 U	12 U	11 U	12 U
Bromoform	ug/Kg	12 U	12 U	33 U	22 U	12 U	11 U	12 U
4-Methyl-2-Pentanone	ug/Kg	12 U	12 U	33 U	22 U	12 U	11 U	12 U
2-Hexanone	ug/Kg	12 U	12 U	33 U	22 U	12 U	11 U	12 U
Tetrachloroethene	ug/Kg	12 U	12 U	370	260	200	11 U	12 U
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	12 U	33 U	22 U	12 U	11 U	12 U
Toluene	ug/Kg	1 J	12 U	33 U	22 U	12 U	11 U	12 U
Chlorobenzene	ug/Kg	12 U	12 U	33 U	22 U	12 U	11 U	12 U
Ethylbenzene	ug/Kg	3 J	12 U	33 U	22 U	12 U	11 U	12 U
Styrene	ug/Kg	12 U	12 U	33 U	22 U	12 U	11 U	12 U
Xylene (total)	ug/Kg	4 J	12 U	33 U	22 U	12 U	11 U	12 U
MTBE	ug/Kg	NS	NS	NS	NS	NS	NS	NS
HERBICIDES								
2,4-D	ug/Kg	59 U	60 U	61 U	59.0 U	58 U	59 U	63 U
2,4-DB	ug/Kg	550	60 U	61 U	59.0 U	58 U	59 U	63 U
2,4,5-T	ug/Kg	5.9 U	6 U	6.1 U	7.6	5.8 U	5.9 U	6.3 U
2,4,5-TP (Silvex)	ug/Kg	5.9 U	6 U	6.1 U	5.9 U	5.8 U	5.9 U	6.3 U
Dalapon	ug/Kg	150 U	150 U	150 U	150.0 U	140 U	140 U	2500
Dicamba	ug/Kg	5.9 U	6 U	6.1 U	5.9 U	5.8 U	5.9 U	6.3 U
Dichloroprop	ug/Kg	59 U	60 U	61 U	59.0 U	58 U	59 U	63 U
Dinoseb	ug/Kg	30 U	30 U	31 U	30.0 U	29 U	30 U	32 U
MCPA	ug/Kg	5900 U	6000 U	6100 U	5900.0 U	5800 U	5900 U	6300 U
MCPP	ug/Kg	5900 U	6000 U	6100 U	5900.0 U	5800 U	5900 U	6300 U
NITROAROMATICS								
HMX	ug/Kg	130 UJ	130 UJ	130 U	130.0 U	130 U	130 U	130 U
RDX	ug/Kg	130 UJ	130 UJ	130 U	130.0 U	130 U	130 U	130 U
1,3,5-Trinitrobenzene	ug/Kg	130 UJ	130 UJ	130 U	130.0 U	130 U	130 U	130 U
1,3-Dinitrobenzene	ug/Kg	130 UJ	130 UJ	130 U	130.0 U	770 J	130 U	130 U
Tetryl	ug/Kg	130 UJ	130 UJ	130 U	130.0 U	130 U	130 U	130 U
2,4,6-Trinitrotoluene	ug/Kg	130 UJ	130 UJ	130 U	130.0 U	130 U	130 U	130 U
4-amino-2,6-Dinitrotoluene	ug/Kg	130 UJ	130 UJ	130 U	130.0 U	130 U	130 U	130 U
2-amino-4,6-Dinitrotoluene	ug/Kg	130 UJ	130 UJ	130 U	130.0 U	680 J	130 U	130 U
2,6-Dinitrotoluene	ug/Kg	130 UJ	130 UJ	130 U	400.0 J	130 U	130 U	130 U
2,4-Dinitrotoluene	ug/Kg	170 J	130 UJ	130 U	130.0 U	130 U	130 U	130 U

SENECA ARMY DEPOT
SEAD-11 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-11 5 11/20/93 TP11-2.2 205267	SOIL SEAD-11 5 11/20/93 TP11-2.3 205268	SOIL SEAD-11 0-2 12/14/93 TP11-3.1 206880	SOIL SEAD-11 2-4 12/14/93 TP11-3.2 206881	SOIL SEAD-11 4-6 12/14/93 TP11-3.3 206882	SOIL SEAD-11 0-2 12/14/93 TP11-4.1 206883	SOIL SEAD-11 2-4 12/16/93 TP11-4.2 206884	SOIL SEAD-11 4-6 12/16/93 TP11-4.3 206885	
SEMIVOLATILE ORGANICS									
Phenol	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
bis(2-Chloroethyl) ether	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
2-Chlorophenol	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
1,3-Dichlorobenzene	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
1,4-Dichlorobenzene	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
1,2-Dichlorobenzene	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
2-Methylphenol	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
4-Methylphenol	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
N-Nitroso-di-n-propylamine	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
Hexachloroethane	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
Nitrobenzene	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
Isophorone	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
2-Nitrophenol	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
2,4-Dimethylphenol	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
bis(2-Chloroethoxy) methane	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
2,4-Dichlorophenol	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
1,2,4-Trichlorobenzene	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
Naphthalene	ug/Kg	10000 J	1700	19000 J	8600 J	21000 J	2500 J	400 J	370 U
4-Chloroaniline	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
Hexachlorobutadiene	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
4-Chloro-3-methylphenol	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
2-Methylnaphthalene	ug/Kg	28000 J	460 J	7700 J	3200 J	7300 J	850 J	170 J	370 U
Hexachlorocyclopentadiene	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
2,4,6-Trichlorophenol	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
2,4,5-Trichlorophenol	ug/Kg	94000 U	3200 U	150000 UJ	74000 U	140000 UJ	19000 U	5000 U	890 U
2-Chloronaphthalene	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
2-Nitroaniline	ug/Kg	94000 U	3200 U	150000 UJ	74000 U	140000 UJ	19000 U	5000 U	890 U
Dimethylphthalate	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
Acenaphthylene	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
2,6-Dinitrotoluene	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
3-Nitroaniline	ug/Kg	94000 U	3200 U	150000 UJ	74000 U	140000 UJ	19000 U	5000 U	890 U
Acenaphthene	ug/Kg	84000	1400	28000 J	14000 J	25000 J	4100 J	1100 J	27 J
2,4-Dinitrophenol	ug/Kg	94000 U	3200 U	150000 UJ	74000 U	140000 UJ	19000 U	5000 U	890 U
4-Nitrophenol	ug/Kg	94000 U	3200 U	150000 UJ	74000 U	140000 UJ	19000 U	5000 U	890 U
Dibenzofuran	ug/Kg	60000	1000 J	18000 J	7900 J	16000 J	2200 J	520 J	370 U
2,4-Dinitrotoluene	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
Diethylphthalate	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
4-Chlorophenyl-phenylether	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
Fluorene	ug/Kg	66000	1600	27000 J	14000 J	24000 J	3300 J	1000 J	370 U
4-Nitroaniline	ug/Kg	94000 U	3200 U	150000 UJ	74000 U	140000 UJ	19000 U	5000 U	890 U
4,6-Dinitro-2-methylphenol	ug/Kg	94000 U	3200 U	150000 UJ	74000 U	140000 UJ	19000 U	5000 U	890 U
N-Nitrosodiphenylamine	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
4-Bromophenyl-phenylether	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
Hexachlorobenzene	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
Pentachlorophenol	ug/Kg	94000 U	3200 U	150000 UJ	74000 U	140000 UJ	19000 U	5000 U	890 U
Phenanthrene	ug/Kg	350000	9200	210000 J	110000 J	180000 J	40000	9700	240 J
Anthracene	ug/Kg	150000	2600	49000 J	27000 J	44000 J	7700	2200	49 J
Carbazole	ug/Kg	81000	1600	33000 J	16000 J	30000 J	6400 J	1300 J	370 U
Di-n-butylphthalate	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
Fluoranthene	ug/Kg	350000	11000	320000 J	150000 J	230000 J	54000	14000	400
Pyrene	ug/Kg	280000	7800	190000 J	120000 J	140000 J	38000	12000	340 J
Butylbenzylphthalate	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
3,3'-Dichlorobenzidine	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
Benzo(a)anthracene	ug/Kg	190000	4600	110000 J	67000 J	79000 J	20000	6600	160 J
Chrysene	ug/Kg	170000	4300	110000 J	64000 J	74000 J	22000	6900	180 J
bis(2-Ethylhexyl)phthalate	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	22 J
Di-n-octylphthalate	ug/Kg	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
Benzo(b)fluoranthene	ug/Kg	99000	2900	110000 J	67000 J	68000 J	26000	8400	220 J
Benzo(k)fluoranthene	ug/Kg	130000	3700	94000 J	48000 J	66000 J	10000	3000	94 J
Benzo(a)pyrene	ug/Kg	140000	3400	110000 J	60000 J	73000 J	19000	6100	160 J
Indeno(1,2,3-cd)pyrene	ug/Kg	100000	2300	60000 J	37000 J	45000 J	11000	3700	120 J
Dibenz(a,h)anthracene	ug/Kg	52000	1200 J	16000 J	9300 J	12000 J	3500 J	1000 J	370 U
Benzo(g,h,i)perylene	ug/Kg	32000 J	630 J	53000 J	11000 J	39000 J	9100	2900	160 J

SENECA ARMY DEPOT
SEAD-11 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-11 5 11/20/93 TP11-2.2 205267	SOIL SEAD-11 5 11/20/93 TP11-2.3 205268	SOIL SEAD-11 0-2 12/14/93 TP11-3.1 206880	SOIL SEAD-11 2-4 12/14/93 TP11-3.2 206881	SOIL SEAD-11 4-6 12/14/93 TP11-3.3 206882	SOIL SEAD-11 0-2 12/16/93 TP11-4.1 206883	SOIL SEAD-11 2-4 12/16/93 TP11-4.2 206884	SOIL SEAD-11 4-6 12/16/93 TP11-4.3 206885	
PESTICIDES/PCB									
alpha-BHC	ug/Kg 2 U	2 U R	41 U	20 U	9.9 U	9.9 U	2.1 U	1.9 U	
beta-BHC	ug/Kg 2 U	2 U R	41 U	20 U	9.9 U	9.9 U	2.1 U	1.9 U	
delta-BHC	ug/Kg 2 U	1.3 J	41 U	20 U	9.2 J	9.9 U	2.1 U	1.9 U	
gamma-BHC (Lindane)	ug/Kg 2 U	2 U R	41 U	20 U	9.9 U	9.9 U	2.1 U	1.9 U	
Heptachlor	ug/Kg 2 U	2 U R	41 U	20 U	9.9 U	9.9 U	2.1 U	1.9 U	
Aldrin	ug/Kg 2 U	2 U R	41 U	20 U	9.9 U	9.9 U	2.1 U	1.9 U	
Heptachlor epoxide	ug/Kg 2 U	2 U R	41 U	20 U	9.9 U	9.9 U	2.1 U	1.9 U	
Endosulfan I	ug/Kg 2 U	2 U R	41 U	20 U	9.9 U	9.9 U	2.1 U	1.9 U	
Dieldrin	ug/Kg 3.9 U	4 U R	80 U	39 U	19 U	19 U	4.1 U	3.7 U	
4,4'-DDE	ug/Kg 3.9 U	5 J	1800 J	1000 J	670 J	34 J	12 J	3.7 U	
Endrin	ug/Kg 3.9 U	3 J	80 U	35 J	45 J	19 U	4.1 U	3.7 U	
Endosulfan II	ug/Kg 3.9 U	4.3 J	68 J	36 J	31 J	14 J	4.1 U	3.7 U	
4,4'-DDD	ug/Kg 3.9 U	4 U R	1400 J	630 J	320 J	13 J	4.8 J	3.7 U	
Endosulfan sulfate	ug/Kg 3.9 U	4 U R	80 U	39 U	19 U	19 U	4.1 U	3.7 U	
4,4'-DDT	ug/Kg 3.9 U	11 J	4300 J	2400	1500	72	17	1.6 J	
Methoxychlor	ug/Kg 20 U	20 U R	410 U	200 U	99 U	99 U	21 U	19 U	
Endrin ketone	ug/Kg 3.9 U	4 U R	80 U	39 U	19 U	19 U	4.1 U	3.7 U	
Endrin aldehyde	ug/Kg 3.9 U	4 U R	80 U	39 U	19 U	19 U	4.1 U	3.7 U	
alpha-Chlordane	ug/Kg 2 U	11 J	41 U	20 U	9.9 U	9.9 U	2.1 U	1.9 U	
gamma-Chlordane	ug/Kg 2 U	2 U R	41 U	20 U	9.9 U	9.9 U	2.1 U	1.9 U	
Toxaphene	ug/Kg 200 U	200 U R	4100 U	2000 U	990 U	990 U	210 U	190 U	
Aroclor-1018	ug/Kg 39 U	40 U R	800 U	390 U	190 U	190 U	41 U	37 U	
Aroclor-1221	ug/Kg 79 U	81 U R	1600 U	790 U	390 U	390 U	84 U	74 U	
Aroclor-1232	ug/Kg 39 U	40 U R	800 U	390 U	190 U	190 U	41 U	37 U	
Aroclor-1242	ug/Kg 39 U	40 U R	800 U	390 U	190 U	190 U	41 U	37 U	
Aroclor-1248	ug/Kg 39 U	40 U R	800 U	390 U	190 U	190 U	41 U	37 U	
Aroclor-1254	ug/Kg 39 U	40 U R	800 U	390 U	190 U	190 U	41 U	37 U	
Aroclor-1260	ug/Kg 39 U	40 U R	800 U	390 U	190 U	190 U	41 U	37 U	
METALS									
Aluminum	mg/Kg 8720	14000	21700	12100	12300	9680	15000	7170	
Antimony	mg/Kg 12.3 UJ	10.6 UJ	8.6 J	4 J	11.3 J	25.3 J	5.2 UJ	4.1 UJ	
Arsenic	mg/Kg 6.4	6.4	8.2	6.9	6.9	12.4	5.7	5.7	
Barium	mg/Kg 88.6	119	415	133	477	244	131	44.1	
Beryllium	mg/Kg 0.45 J	0.71 J	0.6 J	0.55 J	0.38 J	0.48 J	0.93 J	0.39 J	
Cadmium	mg/Kg 0.77 U	0.86 U	9.2	3	16	5.6	0.51 U	0.4 U	
Calcium	mg/Kg 83700	9090	73600	85300	41300	95300	4340	103000	
Chromium	mg/Kg 15.5	19.5	78.2 J	41.4 J	172 J	242 J	21.3 J	25.9 J	
Cobalt	mg/Kg 7.2 J	10.6	13.5	12.3	27.5	11.1	10.4 J	6.6 J	
Copper	mg/Kg 121	25.7	1090 J	225 J	642 J	154 J	22.9 J	19.4 J	
Iron	mg/Kg 19100	27400	34800	30200	118000	27100	28300	15100	
Lead	mg/Kg 82.5	84.9	1170 R	474 R	1330 R	1890 R	27.3 R	161 R	
Magnesium	mg/Kg 21100	6010	6860	12700	9190	44600	3710	26300	
Manganese	mg/Kg 480	868	848	512	946	440	602	420	
Mercury	mg/Kg 0.07 J	0.08 J	0.4	0.4	0.41	0.37	0.04 J	0.02 J	
Nickel	mg/Kg 20.4	30.1	45.2	41.3	117	33	25	20.2	
Potassium	mg/Kg 1080 J	1220	2980	2380	2040	1450	1530	1200	
Selenium	mg/Kg 0.2 UJ	0.26 UJ	0.58 J	0.66 J	0.74 J	0.7 J	0.6 J	0.17 J	
Silver	mg/Kg 1.6 U	1.3 U	10.8	5.2	11.3	1.3 J	1 U	0.81 U	
Sodium	mg/Kg 226 J	102 J	1660	315 J	508 J	236 J	48 U	156 J	
Thallium	mg/Kg 0.22 UJ	0.29 UJ	1 U	0.2 U	0.25 U	0.27 U	0.24 U	0.26 U	
Vanadium	mg/Kg 14.1	22.7	31	24.1	30.2	18.7	26.1	12.9	
Zinc	mg/Kg 153	111	1250	777	1720	632	99.7	92.4	
Cyanide	mg/Kg 0.58 U	0.55 U	0.6 U	0.58 U	0.55 U	0.54 U	0.55 U	0.55 U	
OTHER ANALYSES									
Nitrate/Nitrite - Nitrogen	mg/Kg 0.87	0.34	0.36	0.7	0.55	0.59	2.2	0.62	
Total Solids	%W/W 84.7	83.3	81.6	85.3	85.6	86.1	80	89.9	
Total Petroleum Hydrocarbons	mg/Kg 8000	48	960	1060	970	560	320	104	
Fluoride	mg/Kg	NS	NS	NS	NS	NS	NS	NS	
pH	standard units	NS	NS	NS	NS	NS	NS	NS	

SENECA ARMY DEPOT
SEAD-11 EXPANDED SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

MATRIX LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
SAMPLE DATE	SEAD-11	SEAD-11	SEAD-11	SEAD-11	SEAD-11	SEAD-11	SEAD-11	SEAD-11
ES ID	01/18/94	01/18/94	01/24/94	01/24/94	01/24/94	01/24/94	01/24/94	11/16/93
LAB ID	MW11-1	MW11-2	MW11-3	MW11-3RE	MW11-5	MW11-5RE	MW11-5RE	MW11-4
COMPOUND	209093	209094	209335	209335	209337	209337	209337	204663
UNITS					MW11-3DUP	MW11-3DUP	MW11-3DUP	
VOLATILE ORGANICS								
Chloromethane	ug/L	10 U	10 U	10 U	NS	10 U	NS	10 U
Bromomethane	ug/L	10 U	10 U	10 U	NS	10 U	NS	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	NS	10 U	NS	10 U
Chloroethane	ug/L	10 U	10 U	10 U	NS	10 U	NS	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U	NS	10 U	NS	10 U
Acetone	ug/L	10 U	10 U	10 U	NS	10 U	NS	12 U
Carbon Disulfide	ug/L	10 U	10 U	10 U	NS	10 U	NS	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	NS	10 U	NS	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	NS	10 U	NS	10 U
1,2-Dichloroethane (total)	ug/L	10 U	10 U	10 U	NS	10 U	NS	10 U
Chloroform	ug/L	10 U	10 U	10 U	NS	10 U	NS	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	NS	10 U	NS	10 U
2-Butanone	ug/L	10 U	10 U	10 U	NS	10 U	NS	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	NS	10 U	NS	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	NS	10 U	NS	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U	NS	10 U	NS	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	NS	10 U	NS	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	NS	10 U	NS	10 U
Trichloroethene	ug/L	10 U	10 U	10 U	NS	10 U	NS	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	NS	10 U	NS	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	NS	10 U	NS	10 U
Benzene	ug/L	10 U	10 U	10 U	NS	10 U	NS	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	NS	10 U	NS	10 U
Bromoform	ug/L	10 U	10 U	10 U	NS	10 U	NS	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	NS	10 U	NS	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	NS	10 U	NS	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U	NS	10 U	NS	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	NS	10 U	NS	10 U
Toluene	ug/L	10 U	10 U	10 U	NS	10 U	NS	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U	NS	10 U	NS	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	NS	10 U	NS	10 U
Styrene	ug/L	10 U	10 U	10 U	NS	10 U	NS	10 U
Xylene (total)	ug/L	10 U	10 U	10 U	NS	10 U	NS	10 U
MTBE	ug/L	NS	NS	NS	NS	NS	NS	NS
HERBICIDES								
2,4-D	ug/L	1.1 U	1.1 U	1.1 U	NS	1.1 U	NS	1.1 U
2,4-DB	ug/L	1.1 U	1.1 U	1.1 U	NS	1.1 U	NS	1.1 U
2,4,5-T	ug/L	0.11 U	0.11 U	0.11 U	NS	0.11 U	NS	0.11 U
2,4,5-TP (Silvex)	ug/L	0.11 U	0.11 U	0.11 U	NS	0.11 U	NS	0.11 U
Dalapon	ug/L	2.5 U	2.4 U	2.5 U	NS	2.5 U	NS	2.4 U
Dicamba	ug/L	0.11 U	0.11 U	0.11 U	NS	0.11 U	NS	0.11 U
Dichloroprop	ug/L	1.1 U	1.1 U	1.1 U	NS	1.1 U	NS	1.1 U
Dinoseb	ug/L	0.53 U	0.52 U	0.54 U	NS	0.53 U	NS	0.52 U
MCPA	ug/L	110 U	110 U	110 U	NS	110 U	NS	110 U
MCPP	ug/L	110 U	110 U	110 U	NS	110 U	NS	110 U
NITROAROMATICS								
HMX	ug/L	0.13 U	0.13 U	0.13 U	0.13 UJ	0.28 U	0.13 UJ	0.13 U
RDX	ug/L	0.13 U	0.13 U	0.13 U	0.13 UJ	0.13 U	0.13 UJ	0.13 U
1,3,5-Trinitrobenzene	ug/L	0.13 U	0.13 U	0.13 U	0.13 UJ	0.13 U	0.13 UJ	0.13 U
1,3-Dinitrobenzene	ug/L	0.13 U	0.13 U	0.13 U	0.13 UJ	0.13 U	0.13 UJ	0.13 U
Tetryl	ug/L	0.13 U	0.13 U	0.13 U	0.13 UJ	0.13 U	0.13 UJ	0.13 U
2,4,6-Trinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 UJ	0.13 U	0.13 UJ	0.43 J
4-amino-2,6-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 UJ	0.13 U	0.13 UJ	0.13 U
2-amino-4,6-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 UJ	0.13 U	0.13 UJ	0.13 U
2,6-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 UJ	0.13 U	0.13 UJ	0.13 U
2,4-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 UJ	0.13 U	0.13 UJ	0.13 U

NOTES:

NS stands for NOT SAMPLED
NA stands for NOT ANALYZED

SENECA ARMY DEPOT
SEAD-11 EXPANDED SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION	WATER SEAD-11	WATER SEAD-11	WATER SEAD-11	WATER SEAD-11	WATER SEAD-11	WATER SEAD-11	WATER SEAD-11
	SAMPLE DATE	01/18/94	01/18/94	01/24/94	01/24/94	01/24/94	01/24/94	11/16/93
ES ID	MW11-1	MW11-2	MW11-3	MW11-3RE	MW11-5	MW11-5RE	MW11-5RE	MW11-4
LAB ID	209093	209094	209335	209335	209337	209337	209337	204663
UNITS					MW11-3DUP	MW11-3DUP	MW11-3DUP	
PESTICIDES/PCB								
alpha-BHC	ug/L	0.052 U	0.052 U	0.057 U	NS	0.052 U	NS	0.054 U
beta-BHC	ug/L	0.052 U	0.052 U	0.057 U	NS	0.052 U	NS	0.054 U
delta-BHC	ug/L	0.052 U	0.052 U	0.057 U	NS	0.052 U	NS	0.054 U
gamma-BHC (Lindane)	ug/L	0.052 U	0.052 U	0.057 U	NS	0.052 U	NS	0.054 U
Heptachlor	ug/L	0.052 U	0.052 U	0.057 U	NS	0.052 U	NS	0.054 U
Aldrin	ug/L	0.052 U	0.052 U	0.057 U	NS	0.052 U	NS	0.054 U
Heptachlor epoxide	ug/L	0.052 U	0.052 U	0.057 U	NS	0.052 U	NS	0.054 U
Endosulfan I	ug/L	0.052 U	0.052 U	0.057 U	NS	0.052 U	NS	0.054 U
Dieldrin	ug/L	0.1 U	0.1 U	0.11 U	NS	0.1 U	NS	0.11 U
4,4'-DDE	ug/L	0.1 U	0.1 U	0.11 U	NS	0.1 U	NS	0.11 U
Endrin	ug/L	0.1 U	0.1 U	0.11 U	NS	0.1 U	NS	0.11 U
Endosulfan II	ug/L	0.1 U	0.1 U	0.11 U	NS	0.1 U	NS	0.11 U
4,4'-DDD	ug/L	0.1 U	0.1 U	0.11 U	NS	0.1 U	NS	0.11 U
Endosulfan sulfate	ug/L	0.1 U	0.1 U	0.11 U	NS	0.1 U	NS	0.11 U
4,4'-DDT	ug/L	0.1 U	0.1 U	0.11 U	NS	0.1 U	NS	0.11 U
Methoxychlor	ug/L	0.52 U	0.52 U	0.57 U	NS	0.52 U	NS	0.54 U
Endrin ketone	ug/L	0.1 U	0.1 U	0.11 U	NS	0.1 U	NS	0.11 U
Endrin aldehyde	ug/L	0.1 U	0.1 U	0.11 U	NS	0.1 U	NS	0.11 U
alpha-Chlordane	ug/L	0.052 U	0.052 U	0.057 U	NS	0.052 U	NS	0.054 U
gamma-Chlordane	ug/L	0.052 U	0.052 U	0.057 U	NS	0.052 U	NS	0.054 U
Toxaphene	ug/L	5.2 U	5.2 U	5.7 U	NS	5.2 U	NS	5.4 U
Aroclor-1016	ug/L	1 U	1 U	1.1 U	NS	1 U	NS	1.1 U
Aroclor-1221	ug/L	2.1 U	2.1 U	2.3 U	NS	2.1 U	NS	2.1 U
Aroclor-1232	ug/L	1 U	1 U	1.1 U	NS	1 U	NS	1.1 U
Aroclor-1242	ug/L	1 U	1 U	1.1 U	NS	1 U	NS	1.1 U
Aroclor-1248	ug/L	1 U	1 U	1.1 U	NS	1 U	NS	1.1 U
Aroclor-1254	ug/L	1 U	1 U	1.1 U	NS	1 U	NS	1.1 U
Aroclor-1260	ug/L	1 U	1 U	1.1 U	NS	1 U	NS	1.1 U
METALS								
Aluminum	ug/L	53.7 J	88.3 J	150 J	NS	161 J	NS	254
Antimony	ug/L	21.4 U	21.5 U	21.4 U	NS	21.4 U	NS	52.7 U
Arsenic	ug/L	0.8 U	0.79 U	0.8 U	NS	1.1 J	NS	1 U
Barium	ug/L	25.2 J	38.2 J	38.8 J	NS	37.1 J	NS	53.4 J
Beryllium	ug/L	0.4 U	0.4 U	0.4 U	NS	0.4 U	NS	0.3 U
Cadmium	ug/L	2.1 U	2.1 U	2.1 U	NS	2.1 U	NS	3.3 U
Calcium	ug/L	97500	109000	223000	NS	215000	NS	137000
Chromium	ug/L	2.6 U	2.6 U	2.6 U	NS	2.6 U	NS	2.5 U
Cobalt	ug/L	4.4 U	4.4 U	4.4 J	NS	7.2 J	NS	4.9 U
Copper	ug/L	3.1 U	3.1 U	3.1 U	NS	3.1 U	NS	3.7 U
Iron	ug/L	41.4 J	200	384	NS	308	NS	653
Lead	ug/L	1.1 J	2 J	33.7 J	NS	0.5 U	NS	0.6 U
Magnesium	ug/L	29700	28100	41900	NS	40000	NS	28300
Manganese	ug/L	278	218	233	NS	204	NS	281
Mercury	ug/L	0.04 U	0.04 J R	0.04 J R	NS	0.04 J R	NS	0.07 UJ
Nickel	ug/L	4 U	4 U	4 U	NS	4 U	NS	4.1 U
Potassium	ug/L	7100	8300	8660	NS	9310	NS	13600
Selenium	ug/L	0.7 U	0.69 U	1.6 J	NS	2 J	NS	1.3 J
Silver	ug/L	4.2 U	4.2 U	4.2 U	NS	4.2 U	NS	6.7 U
Sodium	ug/L	4860 J R	38700	17200	NS	15900	NS	16900 R
Thallium	ug/L	1.2 U	1.2 U	1.2 U	NS	1.2 U	NS	1.8 U
Vanadium	ug/L	3.7 U	3.7 U	3.7 U	NS	3.7 U	NS	3.3 U
Zinc	ug/L	21.4 R	34.3 R	18.3 J R	NS	15.9 J R	NS	3.8 J R
Cyanide	ug/L	5 U	5 U	5 U	NS	5 U	NS	5 U
OTHER ANALYSES								
Nitrate/Nitrite - Nitrogen	mg/L	0.19	0.09	0.18	NS	0.21	NS	0.8
Total Petroleum Hydrocarbons	mg/L	0.4	0.36 U	1.81	NS	1.34	NS	0.76
Fluoride	mg/L	NS	NS	NS	NS	NS	NS	NS
pH	standard units	7.5	7.4	7.11	NS	NS	NS	7.35
Specific Conductivity	umhos/cm	380	500	725	NS	NS	NS	650
Turbidity	NTU	0.6	2.3	13.9	NS	NS	NS	NA(Clear)

SENECA ARMY DEPOT
SEAD-13 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-13 0-2 12/08/93 SB13-1.1 206397	SOIL SEAD-13 6-8 12/08/93 SB13-1.3 206398	SOIL SEAD-13 6-8 12/08/93 SB13-1.3RE 206398	SOIL SEAD-13 8-10 12/08/93 SB13-1.4 206399	SOIL SEAD-13 8-10 12/08/93 SB13-1.4RE 206399	SOIL SEAD-13 0-2 11/09/93 SB13-2.1 204003	SOIL SEAD-13 0-2 11/09/93 SB13-2.1RE 204003	SOIL SEAD-13 4-6 11/09/93 SB13-2.3 204004	SOIL SEAD-13 4-6 11/09/93 SB13-2.3RE 204004	SOIL SEAD-13 8-10 11/09/93 SB13-2.5 204005	
VOLATILE ORGANICS											
Chloromethane	ug/Kg	12 U	11 UJ	11 UJ	11 U R	11 U R	11 U R	11 U R	11 U	NS	12 UJ
Bromomethane	ug/Kg	12 U	11 UJ	11 UJ	11 U R	11 U R	11 U R	11 U R	11 U	NS	12 UJ
Vinyl Chloride	ug/Kg	12 U	11 UJ	11 UJ	11 U R	11 U R	11 U R	11 U R	11 U	NS	12 UJ
Chloroethane	ug/Kg	12 U	11 UJ	11 UJ	11 U R	11 U R	11 U R	11 U R	11 U	NS	12 UJ
Methylene Chloride	ug/Kg	12 U	2 J	3 J	4 J	11 U R	11 U R	11 U R	11 U	NS	12 UJ
Acetone	ug/Kg	12 U	13 UJ	11 UJ	15 U R	11 U R	11 U R	11 U R	11 U	NS	12 UJ
Carbon Disulfide	ug/Kg	12 U	11 UJ	11 UJ	2 J	11 U R	11 U R	11 U R	11 U	NS	12 UJ
1,1-Dichloroethane	ug/Kg	12 U	11 UJ	11 UJ	11 U R	11 U R	11 U R	11 U R	11 U	NS	12 UJ
1,1-Dichloroethane	ug/Kg	12 U	11 UJ	11 UJ	11 U R	11 U R	11 U R	11 U R	11 U	NS	12 UJ
1,2-Dichloroethane (total)	ug/Kg	12 U	11 UJ	11 UJ	11 U R	11 U R	11 U R	11 U R	11 U	NS	12 UJ
Chloroform	ug/Kg	12 U	11 UJ	11 UJ	11 U R	11 U R	11 U R	11 U R	11 U	NS	12 UJ
1,2-Dichloroethane	ug/Kg	12 U	11 UJ	11 UJ	11 U R	11 U R	11 U R	11 U R	11 U	NS	12 UJ
2-Butanone	ug/Kg	12 U	11 UJ	11 UJ	11 U R	11 U R	11 U R	11 U R	11 U	NS	12 UJ
1,1,1-Trichloroethane	ug/Kg	12 U	11 UJ	11 UJ	11 U R	11 U R	11 U R	11 U R	11 U	NS	12 UJ
Carbon Tetrachloride	ug/Kg	12 U	11 UJ	11 UJ	11 U R	11 U R	11 U R	11 U R	11 U	NS	12 UJ
Bromodichloromethane	ug/Kg	12 U	11 UJ	11 UJ	11 U R	11 U R	11 U R	11 U R	11 U	NS	12 UJ
1,2-Dichloropropane	ug/Kg	12 U	11 UJ	11 UJ	11 U R	11 U R	11 U R	11 U R	11 U	NS	12 UJ
cis-1,3-Dichloropropene	ug/Kg	12 U	11 UJ	11 UJ	11 U R	11 U R	11 U R	11 U R	11 U	NS	12 UJ
Trichloroethene	ug/Kg	12 U	11 UJ	11 UJ	11 U R	11 U R	11 U R	11 U R	11 U	NS	12 UJ
Dibromochloromethane	ug/Kg	12 U	11 UJ	11 UJ	11 U R	11 U R	11 U R	11 U R	11 U	NS	12 UJ
1,1,2-Trichloroethane	ug/Kg	12 U	11 UJ	11 UJ	11 U R	11 U R	11 U R	11 U R	11 U	NS	12 UJ
Benzene	ug/Kg	12 U	11 UJ	11 UJ	11 U R	11 U R	11 U R	11 U R	11 U	NS	12 UJ
trans-1,3-Dichloropropene	ug/Kg	12 U	11 UJ	11 UJ	11 U R	11 U R	11 U R	11 U R	11 U	NS	12 UJ
Bromoform	ug/Kg	12 U	11 UJ	11 UJ	11 U R	11 U R	11 U R	11 U R	11 U	NS	12 UJ
4-Methyl-2-Pentanone	ug/Kg	12 U	11 UJ	11 UJ	11 U R	11 U R	11 U R	11 U R	11 U	NS	12 UJ
2-Hexanone	ug/Kg	12 U	11 UJ	11 UJ	11 U R	11 U R	11 U R	11 U R	11 U	NS	12 UJ
Tetrachloroethene	ug/Kg	12 U	11 UJ	11 UJ	11 U R	11 U R	11 U R	11 U R	11 U	NS	12 UJ
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	11 UJ	11 UJ	11 U R	11 U R	11 U R	11 U R	11 U	NS	12 UJ
Toluene	ug/Kg	12 U	11 UJ	11 UJ	11 U R	11 U R	8 J	5 J	11 U	NS	12 UJ
Chlorobenzene	ug/Kg	12 U	11 UJ	11 UJ	11 U R	11 U R	11 U R	11 U R	11 U	NS	12 UJ
Ethylbenzene	ug/Kg	12 U	11 UJ	11 UJ	11 U R	11 U R	11 U R	11 U R	11 U	NS	12 UJ
Styrene	ug/Kg	12 U	11 UJ	11 UJ	11 U R	11 U R	11 U R	11 U R	11 U	NS	12 UJ
Xylene (total)	ug/Kg	12 U	11 UJ	11 UJ	11 U R	11 U R	11 U R	11 U R	11 U	NS	12 UJ
MTBE	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES											
2,4-D	ug/Kg	61 U	55 U	NS	54 U	NS	56 U R	56 UJ	58 U R	58 UJ	56 U R
2,4-DB	ug/Kg	61 U	55 U	NS	54 U	NS	56 U R	56 UJ	58 U R	58 UJ	56 U R
2,4,5-T	ug/Kg	6.1 U	5.5 U	NS	5.4 U	NS	5.6 U R	5.6 UJ	5.8 U R	5.8 UJ	5.6 U R
2,4,5-TP (Silvex)	ug/Kg	6.1 U	5.5 U	NS	5.4 U	NS	5.6 U R	5.6 UJ	5.8 U R	5.8 UJ	5.6 U R
Dalapon	ug/Kg	150 U	130 U	NS	130 U	NS	140 U R	140 UJ	140 U R	140 UJ	140 U R
Dicamba	ug/Kg	6.1 U	5.5 U	NS	5.4 U	NS	5.6 U R	5.6 UJ	5.8 U R	5.8 UJ	5.6 U R
Dichloroprop	ug/Kg	61 U	55 U	NS	54 U	NS	56 U R	56 UJ	58 U R	58 UJ	56 U R
Dinoseb	ug/Kg	31 U	28 U	NS	27 U	NS	28 U R	28 UJ	29 U R	29 UJ	28 U R
MCPA	ug/Kg	6100 U	5500 U	NS	5400 U	NS	5600 U R	5600 UJ	5800 U R	5800 UJ	5600 U R
MCPP	ug/Kg	6100 U	5500 U	NS	5400 U	NS	5600 U R	5600 UJ	5800 U R	5800 UJ	5600 U R
NITROAROMATICS											
HMX	ug/Kg	NS	NS	NS	NS	NS	130 U	NS	130 U	NS	130 U
RDX	ug/Kg	NS	NS	NS	NS	NS	130 U	NS	130 U	NS	130 U
1,3,5-Trinitrobenzene	ug/Kg	NS	NS	NS	NS	NS	130 U	NS	130 U	NS	130 U
1,3-Dinitrobenzene	ug/Kg	NS	NS	NS	NS	NS	130 U	NS	130 U	NS	130 U
Tetryl	ug/Kg	NS	NS	NS	NS	NS	130 U	NS	130 U	NS	130 U
2,4,6-Trinitrotoluene	ug/Kg	NS	NS	NS	NS	NS	130 U	NS	130 U	NS	130 U
4-amino-2,6-Dinitrotoluene	ug/Kg	NS	NS	NS	NS	NS	130 U	NS	130 U	NS	130 U
2-amino-4,6-Dinitrotoluene	ug/Kg	NS	NS	NS	NS	NS	130 U	NS	130 U	NS	130 U
2,6-Dinitrotoluene	ug/Kg	NS	NS	NS	NS	NS	130 U	NS	130 U	NS	130 U
2,4-Dinitrotoluene	ug/Kg	NS	NS	NS	NS	NS	130 U	NS	130 U	NS	130 U

NOTES:

NS stands for NOT SAMPLED
NA stands for NOT ANALYZED

SENECA ARMY DEPOT
SEAD-13 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-13 0-2 12/08/93 SB13-1.1 206397	SOIL SEAD-13 6-8 12/08/93 SB13-1.3 206398	SOIL SEAD-13 6-8 12/08/93 SB13-1.3RE 206398	SOIL SEAD-13 8-10 12/08/93 SB13-1.4 206399	SOIL SEAD-13 8-10 12/08/93 SB13-1.4RE 206399	SOIL SEAD-13 0-2 11/09/93 SB13-2.1 204003	SOIL SEAD-13 0-2 11/09/93 SB13-2.1RE 204003	SOIL SEAD-13 4-6 11/09/93 SB13-2.3 204004	SOIL SEAD-13 4-6 11/09/93 SB13-2.3RE 204004	SOIL SEAD-13 8-10 11/09/93 SB13-2.5 204005	
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
bis(2-Chloroethyl) ether	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
2-Chlorophenol	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
1,3-Dichlorobenzene	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
1,4-Dichlorobenzene	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
1,2-Dichlorobenzene	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
2-Methylphenol	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
4-Methylphenol	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
N-Nitroso-di-n-propylamine	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
Hexachloroethane	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
Nitrobenzene	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
Isophorone	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
2-Nitrophenol	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
2,4-Dimethylphenol	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
bis(2-Chloroethoxy) methane	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
2,4-Dichlorophenol	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
1,2,4-Trichlorobenzene	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
Naphthalene	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
4-Chloroaniline	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
Hexachlorobutadiene	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
4-Chloro-3-methylphenol	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
2-Methylnaphthalene	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
Hexachlorocyclopentadiene	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
2,4,6-Trichlorophenol	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
2,4,5-Trichlorophenol	ug/Kg	980 U	870 U	NS	860 U	NS	880 U	NS	920 U	NS	890 U
2-Chloronaphthalene	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
2-Nitroaniline	ug/Kg	980 U	870 U	NS	860 U	NS	880 U	NS	920 U	NS	890 U
Dimethylphtalate	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
Acenaphthylene	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
2,6-Dinitrotoluene	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
3-Nitroaniline	ug/Kg	980 U	870 U	NS	860 U	NS	880 U	NS	920 U	NS	890 U
Acenaphthene	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
2,4-Dinitrophenol	ug/Kg	980 U	870 U	NS	860 U	NS	880 U	NS	920 U	NS	890 U
4-Nitrophenol	ug/Kg	980 U	870 U	NS	860 U	NS	880 U	NS	920 U	NS	890 U
Dibenzofuran	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
2,4-Dinitrotoluene	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
Diethylphtalate	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
4-Chlorophenyl-phenylether	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
Fluorene	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
4-Nitroaniline	ug/Kg	980 U	870 U	NS	860 U	NS	880 U	NS	920 U	NS	890 U
4,6-Dinitro-2-methylphenol	ug/Kg	980 U	870 U	NS	860 U	NS	880 U	NS	920 U	NS	890 U
N-Nitrosodiphenylamine	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
4-Bromophenyl-phenylether	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
Hexachlorobenzene	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
Pentachlorophenol	ug/Kg	980 U	870 U	NS	860 U	NS	880 U	NS	920 U	NS	890 U
Phenanthrene	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
Anthracene	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
Carbazole	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
Di-n-butylphtalate	ug/Kg	400 U	360 U	NS	20 J	NS	360 U	NS	380 U	NS	370 U
Fluoranthene	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
Pyrene	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
Butylbenzyl phtalate	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
3,3'-Dichlorobenzidine	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
Benzo(a)anthracene	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
Chrysene	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
bis(2-Ethylhexyl)phtalate	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
Di-n-octylphtalate	ug/Kg	210 J	360 U	NS	110 J	NS	360 U	NS	380 U	NS	370 U
Benzo(b)fluoranthene	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
Benzo(k)fluoranthene	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
Benzo(a)pyrene	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
Indeno(1,2,3-cd)pyrene	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
Dibenz(a,h)anthracene	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U
Berzo(g,h,i)perylene	ug/Kg	400 U	360 U	NS	350 U	NS	360 U	NS	380 U	NS	370 U

SENECA ARMY DEPOT
SEAD-13 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-13 0-2 12/08/93 SB13-1.1 206397	SOIL SEAD-13 6-8 12/08/93 SB13-1.3 206398	SOIL SEAD-13 6-8 12/08/93 SB13-1.3RE 206398	SOIL SEAD-13 8-10 12/08/93 SB13-1.4 206399	SOIL SEAD-13 8-10 12/08/93 SB13-1.4RE 206399	SOIL SEAD-13 0-2 11/09/93 SB13-2.1 204003	SOIL SEAD-13 0-2 11/09/93 SB13-2.1RE 204003	SOIL SEAD-13 4-6 11/09/93 SB13-2.3 204004	SOIL SEAD-13 4-6 11/09/93 SB13-2.3RE 204004	SOIL SEAD-13 6-10 11/09/93 SB13-2.5 204005
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2.1 U	1.8 U	NS	1.8 U	NS	1.9 U	NS	2 U	NS	1.9 U
beta-BHC	ug/Kg	2.1 U	1.8 U	NS	1.8 U	NS	1.9 U	NS	2 U	NS	1.9 U
delta-BHC	ug/Kg	2.1 U	1.8 U	NS	1.8 U	NS	1.9 U	NS	2 U	NS	1.9 U
gamma-BHC (Lindane)	ug/Kg	2.1 U	1.8 U	NS	1.8 U	NS	1.9 U	NS	2 U	NS	1.9 U
Heptachlor	ug/Kg	2.1 U	1.8 U	NS	1.8 U	NS	1.9 U	NS	2 U	NS	1.9 U
Aldrin	ug/Kg	2.1 U	1.8 U	NS	1.8 U	NS	1.9 U	NS	2 U	NS	1.9 U
Heptachlor epoxide	ug/Kg	2.1 U	1.8 U	NS	1.8 U	NS	1.9 U	NS	2 U	NS	1.9 U
Endosulfan I	ug/Kg	2.1 U	1.8 U	NS	1.8 U	NS	1.9 U	NS	2 U	NS	1.9 U
Dieldrin	ug/Kg	4 U	3.6 U	NS	3.5 U	NS	3.7 U	NS	3.8 U	NS	3.7 U
4,4'-DDE	ug/Kg	4 U	3.6 U	NS	3.5 U	NS	3.6 J	NS	3.8 U	NS	3.7 U
Endrin	ug/Kg	4 U	3.6 U	NS	3.5 U	NS	3.7 U	NS	3.8 U	NS	3.7 U
Endosulfan II	ug/Kg	4 U	3.8 U	NS	3.5 U	NS	3.7 U	NS	3.6 U	NS	3.7 U
4,4'-DDD	ug/Kg	4 U	3.6 U	NS	3.5 U	NS	3.7 U	NS	3.8 U	NS	3.7 U
Endosulfan sulfate	ug/Kg	4 U	3.8 U	NS	3.5 U	NS	3.7 U	NS	3.8 U	NS	3.7 U
4,4'-DDT	ug/Kg	4 U	3.6 U	NS	3.5 U	NS	3.7 U	NS	3.8 U	NS	3.7 U
Methoxychlor	ug/Kg	21 U	18 U	NS	18 U	NS	19 U	NS	20 U	NS	19 U
Endrin ketone	ug/Kg	4 U	3.6 U	NS	3.5 U	NS	3.7 U	NS	3.8 U	NS	3.7 U
Endrin aldehyde	ug/Kg	4 U	3.6 U	NS	3.5 U	NS	3.7 U	NS	3.8 U	NS	3.7 U
alpha-Chlordane	ug/Kg	2.1 U	1.8 U	NS	1.8 U	NS	1.9 U	NS	2 U	NS	1.9 U
gamma-Chlordane	ug/Kg	2.1 U	1.8 U	NS	1.8 U	NS	1.9 U	NS	2 U	NS	1.9 U
Toxaphene	ug/Kg	210 U	180 U	NS	180 U	NS	190 U	NS	200 U	NS	190 U
Aroclor-1016	ug/Kg	40 U	36 U	NS	35 U	NS	37 U	NS	38 U	NS	37 U
Aroclor-1221	ug/Kg	82 U	73 U	NS	72 U	NS	74 U	NS	77 U	NS	75 U
Aroclor-1232	ug/Kg	40 U	36 U	NS	35 U	NS	37 U	NS	38 U	NS	37 U
Aroclor-1242	ug/Kg	40 U	36 U	NS	35 U	NS	37 U	NS	38 U	NS	37 U
Aroclor-1248	ug/Kg	40 U	36 U	NS	35 U	NS	37 U	NS	38 U	NS	37 U
Aroclor-1254	ug/Kg	40 U	36 U	NS	35 U	NS	37 U	NS	38 U	NS	37 U
Aroclor-1260	ug/Kg	40 U	36 U	NS	35 U	NS	37 U	NS	38 U	NS	37 U
METALS											
Aluminum	mg/Kg	18300	8250	NS	11700	NS	10700	NS	12700	NS	5700
Antimony	mg/Kg	5.1 J	3.7 UJ	NS	2.8 UJ	NS	6.3 UJ	NS	12.2 UJ	NS	8.7 UJ
Arsenic	mg/Kg	7	6.2	NS	5.7	NS	5.6	NS	5.4	NS	5.3
Barium	mg/Kg	108	88.1	NS	33.9	NS	58.8	NS	94.9	NS	71.7
Beryllium	mg/Kg	0.92 J	0.42 J	NS	0.54 J	NS	0.52 J	NS	0.62 J	NS	0.27 J
Cadmium	mg/Kg	0.45 U	0.36 U	NS	0.27 U	NS	0.4 U	NS	0.78 U	NS	0.54 U
Calcium	mg/Kg	3570	87700	NS	50300	NS	28800	NS	61700	NS	76100
Chromium	mg/Kg	29.4	13.3	NS	19.6	NS	21.2	NS	22.9	NS	10.7
Cobalt	mg/Kg	12	7.2 J	NS	11.1	NS	11.3	NS	12	NS	7.4 J
Copper	mg/Kg	11.6	18.4	NS	17.6	NS	45.2	NS	23.5	NS	18.9
Iron	mg/Kg	32500	17400	NS	24700	NS	25000	NS	27700	NS	13600
Lead	mg/Kg	15 R	9 R	NS	11.7 R	NS	25.6	NS	9.3	NS	7.7
Magnesium	mg/Kg	5890	20800	NS	12600	NS	5380	NS	13300	NS	21200
Manganese	mg/Kg	451	517	NS	404	NS	338	NS	445	NS	411
Mercury	mg/Kg	0.03 J	0.07 J	NS	0.02 U	NS	0.04 J	NS	0.02 U	NS	0.03 U
Nickel	mg/Kg	34.9	24	NS	33.1	NS	46.6	NS	40.8	NS	20
Potassium	mg/Kg	2190	1390	NS	1270	NS	1120	NS	1410	NS	1040
Selenium	mg/Kg	0.26 J	0.56 J	NS	0.51 J	NS	0.83 J	NS	0.53 J	NS	0.32 J
Silver	mg/Kg	0.9 U	0.71 U	NS	0.54 U	NS	0.8 UJ	NS	1.5 UJ	NS	1.1 UJ
Sodium	mg/Kg	80.6 J	155 J	NS	134 J	NS	90.2 J	NS	131 J	NS	145 J
Thallium	mg/Kg	0.43 J	0.43 J	NS	0.64 J	NS	0.35 J	NS	0.27 U	NS	0.25 U
Vanadium	mg/Kg	32.7	13.3	NS	16.3	NS	19.3	NS	21.4	NS	12.2
Zinc	mg/Kg	81.9	58.2	NS	45.8	NS	63.6	NS	78.6	NS	45
Cyanide	mg/Kg	0.61 U	0.5 U	NS	0.53 U	NS	0.52 U	NS	0.53 U	NS	0.5 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg	0.1	0.02	NS	0.02	NS	0.31	NS	129	NS	176
Total Solids	%W/W	82.3	92.4	NS	93.4	NS	90.3	NS	86.9	NS	88.8
Total Petroleum Hydrocarbons	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoride	mg/Kg	68	55	NS	99	NS	80	NS	138	NS	135
pH	standard units	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-13 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		SEAD-13 8-10 11/09/93 SB13-2.5RE 204005	SEAD-13 0-2 12/08/93 SB13-3.1 206400	SEAD-13 4-6 12/08/93 SB13-3.3 206401	SEAD-13 8-10 12/08/93 SB13-3.5 206402	SEAD-13 0-2 12/15/93 SB13-4.1 207023	SEAD-13 2-4 12/15/93 SB13-4.2 207024	SEAD-13 4-6 12/15/93 SB13-4.3 207025	SEAD-13 0-1 11/08/93 SB13-5.1 203820	SEAD-13 2-4 11/08/93 SB13-5.3 203821	SEAD-13 12-13 11/08/93 SB13-5.5 203822	SEAD-13 12-13 11/08/93 SB13-5.5 203822
VOLATILE ORGANICS												
Chloromethane	ug/Kg	12 UJ	12 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Bromomethane	ug/Kg	12 UJ	12 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Vinyl Chloride	ug/Kg	12 UJ	12 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Chloroethane	ug/Kg	12 UJ	12 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Methylene Chloride	ug/Kg	12 UJ	12 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Acetone	ug/Kg	12 UJ	12 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Carbon Disulfide	ug/Kg	12 UJ	12 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
1,1-Dichloroethene	ug/Kg	12 UJ	12 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
1,1-Dichloroethane	ug/Kg	12 UJ	12 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
1,2-Dichloroethene (total)	ug/Kg	12 UJ	12 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Chloroform	ug/Kg	12 UJ	12 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
1,2-Dichloroethane	ug/Kg	12 UJ	12 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
2-Butanone	ug/Kg	12 UJ	12 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
1,1,1-Trichloroethane	ug/Kg	12 UJ	12 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Carbon Tetrachloride	ug/Kg	12 UJ	12 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Bromodichloromethane	ug/Kg	12 UJ	12 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
1,2-Dichloropropane	ug/Kg	12 UJ	12 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
cis-1,3-Dichloropropene	ug/Kg	12 UJ	12 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Trichloroethene	ug/Kg	12 UJ	12 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Dibromochloromethane	ug/Kg	12 UJ	12 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
1,1,2-Trichloroethane	ug/Kg	12 UJ	12 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Benzene	ug/Kg	12 UJ	12 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
trans-1,3-Dichloropropene	ug/Kg	12 UJ	12 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Bromoform	ug/Kg	12 UJ	12 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
4-Methyl-2-Pentanone	ug/Kg	12 UJ	12 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
2-Hexanone	ug/Kg	12 UJ	12 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Tetrachloroethene	ug/Kg	12 UJ	12 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	12 UJ	12 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Toluene	ug/Kg	12 UJ	12 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Chlorobenzene	ug/Kg	12 UJ	12 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Ethylbenzene	ug/Kg	12 UJ	12 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Styrene	ug/Kg	12 UJ	12 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Xylene (total)	ug/Kg	12 UJ	12 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
MTBE	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES												
2,4-D	ug/Kg	58 UJ	60 U	55 U	54 U	63 U	58 U	55 U	56 U	58 U	57 U	57 U
2,4-DB	ug/Kg	56 UJ	60 U	55 U	54 U	63 U	58 U	55 U	56 U	58 U	57 U	57 U
2,4,5-T	ug/Kg	5.6 UJ	6 U	5.5 U	5.4 U	6.3 U	5.8 U	5.5 U	5.6 U	5.8 U	5.7 U	5.7 U
2,4,5-TP (Silvex)	ug/Kg	5.6 UJ	8 U	5.5 U	5.4 U	6.3 U	5.8 U	5.5 U	5.6 U	5.8 U	5.7 U	5.7 U
Daalapon	ug/Kg	140 UJ	150 U	140 U	130 U	150 U	140 U	130 U	140 U	140 U	140 U	140 U
Dicamba	ug/Kg	5.6 UJ	8 U	5.5 U	5.4 U	6.3 U	5.8 U	5.5 U	5.6 U	5.8 U	5.7 U	5.7 U
Dichloroprop	ug/Kg	58 UJ	60 U	55 U	54 U	63 U	58 U	55 U	56 U	58 U	57 U	57 U
Dinoseb	ug/Kg	28 UJ	30 U	28 U	27 UJ	32 U	29 U	28 U	28 U	29 U	28 U	28 U
MCPA	ug/Kg	5600 UJ	6000 U	5500 U	5400 U	6300 U	5800 U	5500 U	5600 U	5800 U	5700 U	5700 U
MCPP	ug/Kg	5600 UJ	6000 U	5500 U	5400 U	6300 U	5800 U	5500 U	5600 U	5800 U	5700 U	5700 U
NITROAROMATICS												
HMX	ug/Kg	NS	NS	NS	NS	NS	NS	NS	130 U	130 U	130 U	130 U
RDX	ug/Kg	NS	NS	NS	NS	NS	NS	NS	130 U	130 U	130 U	130 U
1,3,5-Trinitrobenzene	ug/Kg	NS	NS	NS	NS	NS	NS	NS	130 U	130 U	130 U	130 U
1,3-Dinitrobenzene	ug/Kg	NS	NS	NS	NS	NS	NS	NS	130 U	130 U	130 U	130 U
Tetryl	ug/Kg	NS	NS	NS	NS	NS	NS	NS	130 U	130 U	130 U	130 U
2,4,6-Trinitrotoluene	ug/Kg	NS	NS	NS	NS	NS	NS	NS	130 U	130 U	130 U	130 U
4-amino-2,6-Dinitrotoluene	ug/Kg	NS	NS	NS	NS	NS	NS	NS	130 U	130 U	130 U	130 U
2-amino-4,6-Dinitrotoluene	ug/Kg	NS	NS	NS	NS	NS	NS	NS	130 U	130 U	130 U	130 U
2,6-Dinitrotoluene	ug/Kg	NS	NS	NS	NS	NS	NS	NS	130 U	130 U	130 U	130 U
2,4-Dinitrotoluene	ug/Kg	NS	NS	NS	NS	NS	NS	NS	130 U	130 U	130 U	130 U

SENECA ARMY DEPOT
SEAD-13 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SEAD-13 8-10 11/09/93 SB13-2.5RE 204005	SEAD-13 0-2 12/08/93 SB13-3.1 206400	SEAD-13 4-6 12/08/93 SB13-3.3 206401	SEAD-13 8-10 12/08/93 SB13-3.5 206402	SEAD-13 0-2 12/15/93 SB13-4.1 207023	SEAD-13 2-4 12/15/93 SB13-4.2 207024	SEAD-13 4-6 12/15/93 SB13-4.3 207025	SEAD-13 0-1 11/08/93 SB13-5.1 203820	SEAD-13 2-4 11/08/93 SB13-5.3 203821	SEAD-13 12-13 11/08/93 SB13-5.5 203822
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
bis(2-Chloroethyl) ether	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
2-Chlorophenol	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
1,3-Dichlorobenzene	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
1,4-Dichlorobenzene	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
1,2-Dichlorobenzene	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
2-Methylphenol	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
4-Methylphenol	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
N-Nitroso-di-n-propylamine	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
Hexachloroethane	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
Nitrobenzene	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
Isophorone	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
2-Nitrophenol	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
2,4-Dimethylphenol	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
bis(2-Chloroethoxy) methane	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
2,4-Dichlorophenol	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
1,2,4-Trichlorobenzene	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
Naphthalene	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
4-Chloroaniline	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
Hexachlorobutadiene	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
4-Chloro-3-methylphenol	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
2-Methylnaphthalene	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
Hexachlorocyclopentadiene	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
2,4,6-Trichlorophenol	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
2,4,5-Trichlorophenol	ug/Kg	NS	960 U	890 U	870 U	1000 U	920 U	870 U	900 U	920 U	910 U
2-Chloronaphthalene	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
2-Nitroaniline	ug/Kg	NS	960 U	890 U	870 U	1000 U	920 U	870 U	900 U	920 U	910 U
Dimethylphthalate	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
Acenaphthylene	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
2,6-Dinitrotoluene	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
3-Nitroaniline	ug/Kg	NS	960 U	890 U	870 U	1000 U	920 U	870 U	900 U	920 U	910 U
Acenaphthene	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
2,4-Dinitrophenol	ug/Kg	NS	960 U	890 U	870 U	1000 U	920 U	870 U	900 U	920 U	910 U
4-Nitrophenol	ug/Kg	NS	960 U	890 U	870 U	1000 U	920 U	870 U	900 U	920 U	910 U
Dibenzofuran	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
2,4-Dinitrotoluene	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
Diethylphthalate	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
4-Chlorophenyl-phenylether	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
Fluorene	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
4-Nitroaniline	ug/Kg	NS	960 U	890 U	870 U	1000 U	920 U	870 U	900 U	920 U	910 U
4,6-Dinitro-2-methylphenol	ug/Kg	NS	960 U	890 U	870 U	1000 U	920 U	870 U	900 U	920 U	910 U
N-Nitrosodiphenylamine	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
4-Bromophenyl-phenylether	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
Hexachlorobenzene	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
Pentachlorophenol	ug/Kg	NS	960 U	890 U	870 U	1000 U	920 U	870 U	900 U	920 U	910 U
Phenanthrene	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
Anthracene	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
Carbazole	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
Di-n-butylphthalate	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
Fluoranthene	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
Pyrene	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
Butylbenzylphthalate	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
3,3'-Dichlorobenzidine	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
Benzo(a)anthracene	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
Chrysene	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
bis(2-Ethylhexyl)phthalate	ug/Kg	NS	400 U	370 U	360 U	410 U	24 J	16 J	370 U	380 U	370 U
Di-n-octylphthalate	ug/Kg	NS	400 U	370 U	53 J	410 U	380 U	360 U	370 U	380 U	370 U
Benzo(b)fluoranthene	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
Benzo(k)fluoranthene	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
Benzo(a)pyrene	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
Indeno(1,2,3-cd)pyrene	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
Dibenz(a,h)anthracene	ug/Kg	NS	400 U	370 U	360 U	410 U	380 U	360 U	370 U	380 U	370 U
Benzo(g,h,i)perylene	ug/Kg	NS	400 U	370 U	360 U	410 U	20 J	360 U	370 U	380 U	370 U

SENECA ARMY DEPOT
SEAD-13 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-13 8-10 11/09/93 SB13-2.5RE 204005	SOIL SEAD-13 0-2 12/08/93 SB13-3.1 206400	SOIL SEAD-13 4-6 12/08/93 SB13-3.3 206401	SOIL SEAD-13 8-10 12/08/93 SB13-3.5 206402	SOIL SEAD-13 0-2 12/15/93 SB13-4.1 207023	SOIL SEAD-13 2-4 12/15/93 SB13-4.2 207024	SOIL SEAD-13 4-6 12/15/93 SB13-4.3 207025	SOIL SEAD-13 0-1 11/08/93 SB13-5.1 203820	SOIL SEAD-13 2-4 11/08/93 SB13-5.3 203821	SOIL SEAD-13 12-13 11/08/93 SB13-5.5 203822
PESTICIDES/PCB											
alpha-BHC	ug/Kg	NS	2 U	1.9 U	1.8 U	2.1 U	2 U	1.8 U	1.9 U	2 U	1.9 U
beta-BHC	ug/Kg	NS	2 U	1.9 U	1.8 U	2.1 U	2 U	1.8 U	1.9 U	2 U	1.9 U
delta-BHC	ug/Kg	NS	2 U	1.9 U	1.8 U	2.1 U	2 U	1.8 U	1.9 U	2 U	1.9 U
gamma-BHC (Lindane)	ug/Kg	NS	2 U	1.9 U	1.8 U	2.1 U	2 U	1.8 U	1.9 U	2 U	1.9 U
Heptachlor	ug/Kg	NS	2 U	1.9 U	1.8 U	2.1 U	2 U	1.8 U	1.9 U	2 U	1.9 U
Aldrin	ug/Kg	NS	2 U	1.9 U	1.8 U	2.1 U	2 U	1.8 U	1.9 U	2 U	1.9 U
Heptachlor epoxide	ug/Kg	NS	2 U	1.9 U	1.8 U	2.1 U	2 U	1.8 U	1.9 U	2 U	1.9 U
Endosulfan I	ug/Kg	NS	2 U	1.9 U	1.8 U	2.1 U	2 U	1.8 U	1.9 U	2 U	1.9 U
Dieldrin	ug/Kg	NS	4 U	3.7 U	3.6 U	4.1 U	3.8 U	3.6 U	3.7 U	3.8 U	3.7 U
4,4'-DDE	ug/Kg	NS	4 U	3.7 U	3.6 U	4.1 U	3.8 U	3.6 U	3.7 U	3.8 U	3.7 U
Endrin	ug/Kg	NS	4 U	3.7 U	3.6 U	4.1 U	3.8 U	3.6 U	3.7 U	3.8 U	3.7 U
Endosulfan II	ug/Kg	NS	4 U	3.7 U	3.6 U	4.1 U	3.8 U	3.6 U	3.7 U	3.8 U	3.7 U
4,4'-DDD	ug/Kg	NS	4 U	3.7 U	3.6 U	4.1 U	3.8 U	3.6 U	3.7 U	3.8 U	3.7 U
Endosulfan sulfate	ug/Kg	NS	4 U	3.7 U	3.6 U	4.1 U	3.8 U	3.6 U	3.7 U	3.8 U	3.7 U
4,4'-DDT	ug/Kg	NS	4 U	3.7 U	3.6 U	4.1 U	3.8 U	3.6 U	3.7 U	3.8 U	3.7 U
Methoxychlor	ug/Kg	NS	20 U	19 U	18 U	21 U	20 U	18 U	19 U	20 U	19 U
Endrin ketone	ug/Kg	NS	4 U	3.7 U	3.6 U	4.1 U	3.8 U	3.6 U	3.7 U	3.8 U	3.7 U
Endrin aldehyde	ug/Kg	NS	4 U	3.7 U	3.6 U	4.1 U	3.8 U	3.6 U	3.7 U	3.8 U	3.7 U
alpha-Chlordane	ug/Kg	NS	2 U	1.9 U	1.8 U	2.1 U	2 U	1.8 U	1.9 U	2 U	1.9 U
gamma-Chlordane	ug/Kg	NS	2 U	1.9 U	1.8 U	2.1 U	2 U	1.8 U	1.9 U	2 U	1.9 U
Toxaphene	ug/Kg	NS	200 U	190 U	180 U	210 U	200 U	180 U	190 U	200 U	190 U
Aroclor-1016	ug/Kg	NS	40 U	37 U	36 U	41 U	38 U	36 U	37 U	38 U	37 U
Aroclor-1221	ug/Kg	NS	81 U	74 U	73 U	84 U	77 U	73 U	75 U	77 U	76 U
Aroclor-1232	ug/Kg	NS	40 U	37 U	36 U	41 U	38 U	36 U	37 U	38 U	37 U
Aroclor-1242	ug/Kg	NS	40 U	37 U	36 U	41 U	38 U	36 U	37 U	38 U	37 U
Aroclor-1246	ug/Kg	NS	40 U	37 U	36 U	41 U	38 U	36 U	37 U	38 U	37 U
Aroclor-1254	ug/Kg	NS	40 U	37 U	36 U	41 U	38 U	36 U	37 U	38 U	37 U
Aroclor-1260	ug/Kg	NS	40 U	37 U	36 U	41 U	38 U	36 U	37 U	38 U	37 U
METALS											
Aluminum	mg/Kg	NS	10800	8720	13100	21200	15500	20400	13000	14000	8230
Antimony	mg/Kg	NS	4.5 UJ	4.1 J	4.1 UJ	4 UJ	4.5 J	3.2 UJ	7.8 UJ	9 UJ	8.3 UJ
Arsenic	mg/Kg	NS	5.5	6.7	6.5	8.1	6.8	9.6	4.6	6.3	4.7
Barium	mg/Kg	NS	54.3	97.8	137	129	96.9	79.1	56.7	98.6	132
Beryllium	mg/Kg	NS	0.52 J	0.43 J	0.65 J	1.1	0.78 J	1	0.63 J	0.63 J	0.4 J
Cadmium	mg/Kg	NS	0.44 U	0.32 U	0.39 U	0.38 U	0.34 U	0.31 U	0.49 U	0.56 U	0.52 U
Calcium	mg/Kg	NS	83900	66900	64400	28600	68000	10200	21600	25700	88000
Chromium	mg/Kg	NS	17.1	14.1	20.7	30.2	25.8	35.8	25.4	23.3	14.8
Cobalt	mg/Kg	NS	10.2 J	8.8	12.8	10.6	12.4	12.1	13.1	8.8	9.9
Copper	mg/Kg	NS	26.9	23.4	23.7	21.8	21.1	26.5	31.2	26.4	26.5
Iron	mg/Kg	NS	23100	18500	26400	31600	30100	42500	28600	24300	19600
Lead	mg/Kg	NS	10.6 R	11.9 R	14.1 R	13.8	13.6	7.1	21.3	12.8	8.3
Magnesium	mg/Kg	NS	25600	21700	14300	8780	10600	9660	6740	8990	20700
Manganese	mg/Kg	NS	443	390	446	363	607	398	335	273	461
Mercury	mg/Kg	NS	0.02 U	0.03 U	0.02 U	0.05 J	0.01 J	0.02 J	0.04 J	0.02 U	0.02 U
Nickel	mg/Kg	NS	31.4	27.1	34.4	38.1	43.2	53	46.1	36.8	29
Potassium	mg/Kg	NS	1150	1230	1980	2130	1570	1810	1350	1630	1260
Selenium	mg/Kg	NS	0.14 U	0.14 U	0.64 J	0.53 J	0.2 J	0.28 J	0.58 J	0.26 J	0.59 J
Silver	mg/Kg	NS	0.88 U	0.85 U	0.79 U	0.77 U	0.69 U	0.63 U	0.99 UJ	1.1 UJ	1 UJ
Sodium	mg/Kg	NS	163 J	152 J	163 J	81.5 J	183 J	87.8 J	87 J	87 J	187 J
Thallium	mg/Kg	NS	0.91 J	0.71 J	0.75 J	0.22 U	0.2 U	0.18 U	0.2 U	0.27 U	0.19 U
Vanadium	mg/Kg	NS	17.1	14.1	19.3	35.8	23.1	30.7	20	23.7	15.1
Zinc	mg/Kg	NS	62.4	46.9	62.3	89.4	65.8	93	53.2	64.4	51.4
Cyanide	mg/Kg	NS	0.59 U	0.55 U	0.53 U	0.54 U	0.51 U	0.54 U	0.54 U	0.52 U	0.53 U
OTHER ANALYSES											
Nitrate/Nitrite - Nitrogen	mg/Kg	NS	0.04	5.6	4.8	0.09	0.2	0.09	0.04	0.07	0.06
Total Solids	%W/W	NS	83.5	90	91.8	80.3	87	91.6	89	87.1	88.1
Total Petroleum Hydrocarbons	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoride	mg/Kg	NS	125	170	142	64	91	2.2 U	56	124	193
pH	standard units	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-13 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMP DATE	SOIL SEAD-13 12-13 11/08/93 ES ID SB13-5.5RE LAB ID 203822 UNITS	SOIL SEAD-13 0-2 12/15/93 SB13-6.1 207026	SOIL SEAD-13 4-6 12/15/93 SB13-6.3 207027	SOIL SEAD-13 6-8 12/15/93 SB13-6.4 207028	SOIL SEAD-13 0-2 12/07/93 SB13-7.1 206405	SOIL SEAD-13 0-2 12/07/93 SB13-7.10 206408 SB13-7.1DUP	SOIL SEAD-13 0-2 12/07/93 SB13-7.10RE 206408 SB13-7.1DUP	SOIL SEAD-13 2-4 12/07/93 SB13-7.2 206406	SOIL SEAD-13 6-8 12/07/93 SB13-7.4 206407	SOIL SEAD-13 0-2 12/07/93 SB13-8.1 206409
VOLATILE ORGANICS										
Chloromethane	11 U R	13 U	11 U	11 U	12 U	12 UJ	12 UJ	12 U	11 U	13 U
Bromomethane	11 U R	13 U	11 U	11 U	12 U	12 UJ	12 UJ	12 U	11 U	13 U
Vinyl Chloride	11 U R	13 U	11 U	11 U	12 U	12 UJ	12 UJ	12 U	11 U	13 U
Chloroethane	11 U R	13 U	11 U	11 U	12 U	12 UJ	12 UJ	12 U	11 U	13 U
Methylene Chloride	11 U R	13 U	11 U	11 U	12 U	12 UJ	12 UJ	12 U	11 U	13 U
Acetone	11 U R	86	11 U	11 U	12 U	12 UJ	12 UJ	14 U	11 U	13 U
Carbon Disulfide	11 U R	13 U	11 U	11 U	12 U	12 UJ	12 UJ	12 U	11 U	13 U
1,1-Dichloroethane	11 U R	13 U	11 U	11 U	12 U	12 UJ	12 UJ	12 U	11 U	13 U
1,1-Dichloroethane	11 U R	13 U	11 U	11 U	12 U	12 UJ	12 UJ	12 U	11 U	13 U
1,2-Dichloroethane (total)	11 U R	13 U	11 U	11 U	12 U	12 UJ	12 UJ	12 U	11 U	13 U
Chloroform	11 U R	13 U	11 U	11 U	12 U	12 UJ	2 J	12 U	11 U	13 U
1,2-Dichloroethane	11 U R	13 U	11 U	11 U	12 U	12 UJ	12 UJ	12 U	11 U	13 U
2-Butanone	11 U R	28	11 U	11 U	12 U	12 UJ	12 UJ	12 U	11 U	13 U
1,1,1-Trichloroethane	11 U R	13 U	11 U	11 U	12 U	12 UJ	12 UJ	12 U	11 U	13 U
Carbon Tetrachloride	11 U R	13 U	11 U	11 U	12 U	12 UJ	12 UJ	12 U	11 U	13 U
Bromodichloromethane	11 U R	13 U	11 U	11 U	12 U	12 UJ	12 UJ	12 U	11 U	13 U
1,2-Dichloropropane	11 U R	13 U	11 U	11 U	12 U	12 UJ	12 UJ	12 U	11 U	13 U
cis-1,3-Dichloropropene	11 U R	13 U	11 U	11 U	12 U	12 UJ	12 UJ	12 U	11 U	13 U
Trichloroethene	11 U R	13 U	11 U	11 U	12 U	12 UJ	12 UJ	12 U	11 U	13 U
Dibromochloromethane	11 U R	13 U	11 U	11 U	12 U	12 UJ	12 UJ	12 U	11 U	13 U
1,1,2-Trichloroethane	11 U R	13 U	11 U	11 U	12 U	12 UJ	12 UJ	12 U	11 U	13 U
Benzene	11 U R	13 U	11 U	11 U	12 U	12 UJ	12 UJ	12 U	11 U	13 U
trans-1,3-Dichloropropene	11 U R	13 U	11 U	11 U	12 U	12 UJ	12 UJ	12 U	11 U	13 U
Bromofom	11 U R	13 U	11 U	11 U	12 U	12 UJ	12 UJ	12 U	11 U	13 U
4-Methyl-2-Pentanone	11 U R	13 U	11 U	11 U	12 U	12 UJ	12 UJ	12 U	11 U	13 U
2-Hexanone	11 U R	13 U	11 U	11 U	12 U	12 UJ	12 UJ	12 U	11 U	13 U
Tetrachloroethene	11 U R	13 U	11 U	11 U	12 U	12 UJ	12 UJ	12 U	11 U	13 U
1,1,2,2-Tetrachloroethane	11 U R	13 U	11 U	11 U	12 U	12 UJ	12 UJ	12 U	11 U	13 U
Toluene	2 J	13 U	11 U	11 U	12 U	12 UJ	12 UJ	12 U	11 U	13 U
Chlorobenzene	11 U R	13 U	11 U	11 U	12 U	12 UJ	12 UJ	12 U	11 U	13 U
Ethylbenzene	11 U R	13 U	11 U	11 U	12 U	12 UJ	12 UJ	12 U	11 U	13 U
Styrene	11 U R	13 U	11 U	11 U	12 U	12 UJ	12 UJ	12 U	11 U	13 U
Xylene (total)	11 U R	13 U	11 U	11 U	12 U	12 UJ	12 UJ	12 U	11 U	13 U
MTBE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES										
2,4-D	NS	63 U	56 U	54 U	59 U	59 U	NS	61 U	56 U	67 U
2,4-DB	NS	63 U	56 U	54 U	59 U	59 U	NS	61 U	56 U	67 U
2,4,5-T	NS	6.3 U	5.6 U	5.4 U	5.9 U	5.9 U	NS	6.1 U	5.6 U	6.7 U
2,4,5-TP (Silvex)	NS	6.3 U	5.6 U	5.4 U	5.9 U	5.9 U	NS	6.1 U	5.6 U	6.7 U
Dalapon	NS	150 U	140 U	130 U	150 U	150 U	NS	150 U	140 U	160 U
Dicamba	NS	6.3 U	5.6 U	5.4 U	5.9 U	5.9 U	NS	6.1 U	5.6 U	6.7 U
Dichloroprop	NS	63 U	56 U	54 U	59 U	59 U	NS	61 U	56 U	67 U
Dinoseb	NS	32 U	28 U	27 U	30 U	30 U	NS	31 U	28 U	34 U
MCPA	NS	6300 U	5600 U	5400 U	5900 U	5900 U	NS	6100 U	5600 U	6700 U
MCPP	NS	6300 U	5600 U	5400 U	5900 U	5900 U	NS	6100 U	5600 U	6700 U
NITROAROMATICS										
HMX	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
RDX	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trinitrobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dinitrobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetryl	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,6-Trinitrotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-amino-2,6-Dinitrotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-amino-4,6-Dinitrotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,6-Dinitrotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dinitrotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-13 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID	SOIL SEAD-13 12-13 11/08/93 SB13-5.5RE 203822	SOIL SEAD-13 0-2 12/15/93 SB13-6.1 207026	SOIL SEAD-13 4-6 12/15/93 SB13-6.3 207027	SOIL SEAD-13 6-8 12/15/93 SB13-6.4 207028	SOIL SEAD-13 0-2 12/07/93 SB13-7.1 206405	SOIL SEAD-13 0-2 12/07/93 SB13-7.10 206408	SOIL SEAD-13 0-2 12/07/93 SB13-7.10RE SB13-7.1DUP	SOIL SEAD-13 0-2 12/07/93 SB13-7.2 206406	SOIL SEAD-13 2-4 12/07/93 SB13-7.4 206407	SOIL SEAD-13 6-8 12/07/93 SB13-7.4 206409	
COMPOUND											
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
bis(2-Chloroethyl) ether	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
2-Chlorophenol	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
1,3-Dichlorobenzene	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
1,4-Dichlorobenzene	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
1,2-Dichlorobenzene	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
2-Methylphenol	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
4-Methylphenol	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
N-Nitroso-d-n-propylamine	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Hexachloroethane	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Nitrobenzene	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Isophorone	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
2-Nitrophenol	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
2,4-Dimethylphenol	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
bis(2-Chloroethoxy) methane	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
2,4-Dichlorophenol	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
1,2,4-Trichlorobenzene	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Naphthalene	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
4-Chloroaniline	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Hexachlorobutadiene	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
4-Chloro-3-methylphenol	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
2-Methylnaphthalene	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Hexachlorocyclopentadiene	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
2,4,6-Trichlorophenol	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
2,4,5-Trichlorophenol	ug/Kg	NS	990 U	890 U	860 U	950 U	940 U	NS	960 U	890 U	1100 U
2-Chloronaphthalene	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
2-Nitroaniline	ug/Kg	NS	990 U	890 U	860 U	950 U	940 U	NS	960 U	890 U	1100 U
Dimethylphthalate	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Acenaphthylene	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
2,6-Dinitrotoluene	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
3-Nitroaniline	ug/Kg	NS	990 U	890 U	860 U	950 U	940 U	NS	960 U	890 U	1100 U
Acenaphthene	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
2,4-Dinitrophenol	ug/Kg	NS	990 U	890 U	860 U	950 U	940 U	NS	960 U	890 U	1100 U
4-Nitrophenol	ug/Kg	NS	990 U	890 U	860 U	950 U	940 U	NS	960 U	890 U	1100 U
Dibenzofuran	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
2,4-Dinitrotoluene	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Diethylphthalate	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
4-Chlorophenyl-phenylether	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Fluorene	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
4-Nitroaniline	ug/Kg	NS	990 U	890 U	860 U	950 U	940 U	NS	960 U	890 U	1100 U
4,6-Dinitro-2-methylphenol	ug/Kg	NS	990 U	890 U	860 U	950 U	940 U	NS	960 U	890 U	1100 U
N-Nitrosodiphenylamine	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
4-Bromophenyl-phenylether	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Hexachlorobenzene	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Pentachlorophenol	ug/Kg	NS	990 U	890 U	860 U	950 U	940 U	NS	960 U	890 U	1100 U
Phenanthrene	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Anthracene	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Carbazole	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Di-n-butylphthalate	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Fluoranthene	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Pyrene	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Butylbenzylphthalate	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
3,3'-Dichlorobenzidine	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Benzo(a)anthracene	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Chrysene	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
bis(2-Ethylhexyl) phthalate	ug/Kg	NS	56 J	370 U	24 J	390 U	390 U	NS	400 U	370 U	440 U
Di-n-octylphthalate	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Benzo(b)fluoranthene	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Benzo(k)fluoranthene	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Benzo(a)pyrene	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Indeno(1,2,3-cd)pyrene	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Dibenz(a,h)anthracene	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Benzo(g,h,i)perylene	ug/Kg	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U

SENECA ARMY DEPOT
SEAD-13 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID	SOIL SEAD-13 12-13 11/08/93 SB13-5.5RE 203822	SOIL SEAD-13 0-2 12/15/93 SB13-6.1 207026	SOIL SEAD-13 4-6 12/15/93 SB13-6.3 207027	SOIL SEAD-13 6-8 12/15/93 SB13-6.4 207028	SOIL SEAD-13 0-2 12/07/93 SB13-7.1 206405	SOIL SEAD-13 0-2 12/07/93 SB13-7.10 206408 SB13-7.1DUP	SOIL SEAD-13 0-2 12/07/93 SB13-7.10RE 206408 SB13-7.1DUP	SOIL SEAD-13 2-4 12/07/93 SB13-7.2 206406	SOIL SEAD-13 6-8 12/07/93 SB13-7.4 206407	SOIL SEAD-13 0-2 12/07/93 SB13-8.1 206409
PESTICIDES/PCB										
alpha-BHC	ug/Kg NS	2.1 U	1.9 U	1.8 U	2 U	2 U	NS	2 U	1.9 U	2.3 U
beta-BHC	ug/Kg NS	2.1 U	1.9 U	1.8 U	2 U	2 U	NS	2 U	1.9 U	2.3 U
delta-BHC	ug/Kg NS	2.1 U	1.9 U	1.8 U	2 U	2 U	NS	2 U	1.9 U	2.3 U
gamma-BHC (Lindane)	ug/Kg NS	2.1 U	1.9 U	1.8 U	2 U	2 U	NS	2 U	1.9 U	2.3 U
Heptachlor	ug/Kg NS	2.1 U	1.9 U	1.8 U	2 U	2 U	NS	2 U	1.9 U	2.3 U
Aldrin	ug/Kg NS	2.1 U	1.9 U	1.8 U	2 U	2 U	NS	2 U	1.9 U	2.3 U
Heptachlor epoxide	ug/Kg NS	2.1 U	1.9 U	1.8 U	2 U	2 U	NS	2 U	1.9 U	2.3 U
Endosulfan I	ug/Kg NS	2.1 U	1.9 U	1.8 U	2 U	2 U	NS	2 U	1.9 U	2.3 U
Dieldrin	ug/Kg NS	4.1 U	3.7 U	3.5 U	3.9 U	3.9 U	NS	4 U	3.7 U	4.4 U
4,4'-DDE	ug/Kg NS	4.1 U	3.7 U	3.5 U	3.9 U	3.9 U	NS	4 U	3.7 U	4.4 U
Endrin	ug/Kg NS	4.1 U	3.7 U	3.5 U	3.9 U	3.9 U	NS	4 U	3.7 U	4.4 U
Endosulfan II	ug/Kg NS	4.1 U	3.7 U	3.5 U	3.9 U	3.9 U	NS	4 U	3.7 U	4.4 U
4,4'-DDD	ug/Kg NS	4.1 U	3.7 U	3.5 U	3.9 U	3.9 U	NS	4 U	3.7 U	4.4 U
Endosulfan sulfate	ug/Kg NS	4.1 U	3.7 U	3.5 U	3.9 U	3.9 U	NS	4 U	3.7 U	4.4 U
4,4'-DDT	ug/Kg NS	4.1 U	3.7 U	3.5 U	3.9 U	3.9 U	NS	4 U	3.7 U	4.4 U
Methoxychlor	ug/Kg NS	21 U	19 U	18 U	20 U	20 U	NS	20 U	19 U	23 U
Endrin ketone	ug/Kg NS	4.1 U	3.7 U	3.5 U	3.9 U	3.9 U	NS	4 U	3.7 U	4.4 U
Endrin aldehyde	ug/Kg NS	4.1 U	3.7 U	3.5 U	3.9 U	3.9 U	NS	4 U	3.7 U	4.4 U
alpha-Chlordane	ug/Kg NS	2.1 U	1.9 U	1.8 U	2 U	2 U	NS	2 U	1.9 U	2.3 U
gamma-Chlordane	ug/Kg NS	2.1 U	1.9 U	1.8 U	2 U	2 U	NS	2 U	1.9 U	2.3 U
Toxaphene	ug/Kg NS	210 U	190 U	180 U	200 U	200 U	NS	200 U	190 U	230 U
Aroclor-1016	ug/Kg NS	41 U	37 U	35 U	39 U	39 U	NS	40 U	37 U	44 U
Aroclor-1221	ug/Kg NS	84 U	74 U	72 U	80 U	79 U	NS	81 U	74 U	89 U
Aroclor-1232	ug/Kg NS	41 U	37 U	35 U	39 U	39 U	NS	40 U	37 U	44 U
Aroclor-1242	ug/Kg NS	41 U	37 U	35 U	39 U	39 U	NS	40 U	37 U	44 U
Aroclor-1248	ug/Kg NS	41 U	37 U	35 U	39 U	39 U	NS	40 U	37 U	44 U
Aroclor-1254	ug/Kg NS	41 U	37 U	35 U	39 U	39 U	NS	40 U	37 U	44 U
Aroclor-1260	ug/Kg NS	41 U	37 U	35 U	39 U	39 U	NS	40 U	37 U	44 U
METALS										
Aluminum	mg/Kg NS	16000	13500	10200	9810	14900	NS	14200	8490	15500
Antimony	mg/Kg NS	3.2 UJ	2.5 UJ	2.9 UJ	4.4 UJ	4.5 UJ	NS	4.7 J	3.6 UJ	5.4 UJ
Arsenic	mg/Kg NS	4.6	2.7	2.3	10	8.5	NS	6.2	5.9	8.2
Barium	mg/Kg NS	103	80.4	56.8	37.3 J	89.5	NS	79.1	62.7	125
Beryllium	mg/Kg NS	0.92	0.71	0.58 J	0.43 J	0.79 J	NS	0.7 J	0.42 J	0.95 J
Cadmium	mg/Kg NS	0.31 U	0.25 U	0.28 U	0.43 U	0.43 U	NS	0.44 U	0.35 U	0.53 U
Calcium	mg/Kg NS	5140	31800	45200	25400	11000	NS	33100	74800	6540
Chromium	mg/Kg NS	21.5	23.5	17.8	17.8	21.7	NS	23	14.4	22
Cobalt	mg/Kg NS	10.8	15	11.3	9.9 J	8.8 J	NS	13.1	11.5	8.1 J
Copper	mg/Kg NS	16	27.4	14.5	31.8	26.9	NS	27.6	21.6	19.4
Iron	mg/Kg NS	25300	26900	20700	23000	24800	NS	29500	18400	25500
Lead	mg/Kg NS	13.8	11.6	11.7	26.8	31.6	NS	17.9	10.5	19
Magnesium	mg/Kg NS	3750	6640	5220	4800	4850	NS	18400	17200	4130
Manganese	mg/Kg NS	934	508	558	313	266	NS	518	466	358
Mercury	mg/Kg NS	0.03 J	0.01 U	0.01 U	0.05 J	0.08 J	NS	0.03 J	0.02 U	0.06 J
Nickel	mg/Kg NS	22.7	41.9	33	38.7	31.9	NS	38.1	34	24.7
Potassium	mg/Kg NS	1330	1120	1000	1080	1950	NS	1840	1150	1660
Selenium	mg/Kg NS	1.2	0.11 J	0.24 J	0.72 J	0.65 J	NS	0.14 U	0.26 J	0.98 J
Silver	mg/Kg NS	0.62 U	0.49 U	0.58 U	0.86 U	0.87 U	NS	0.89 U	0.7 U	1.1 U
Sodium	mg/Kg NS	61.9 J	116 J	141 J	86.3 J	77.2 J	NS	108 J	148 J	63.9 J
Thallium	mg/Kg NS	0.18 U	0.14 U	0.23 U	0.55 J	0.47 J	NS	0.78 J	0.82 J	0.3 J
Vanadium	mg/Kg NS	29.9	18.5	13.8	18.1	24.2	NS	22.9	13.3	26.7
Zinc	mg/Kg NS	62.5	64.7	39.3	47.1	84.3	NS	75.4	47.4	91.2
Cyanide	mg/Kg NS	0.6 U	0.53 U	0.51 U	0.58 U	0.57 U	NS	0.59 U	0.54 U	0.58 U
OTHER ANALYSES										
Nitrate/Nitrite-Nitrogen	mg/Kg NS	0.55	0.9	0.09	0.11	0.02	NS	0.15	0.03	3.1
Total Solids	%W/W NS	80.5	90.5	93.4	83.8	85.1	NS	82.5	90.5	74.6
Total Petroleum Hydrocarbons	mg/Kg NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoride	mg/Kg NS	78	50	62	154	72	NS	158	171	24
pH	standard units NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-13 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-13 2-4 12/07/93 SB13-8.2	SOIL SEAD-13 4-8 12/07/93 SB13-8.3	SOIL SEAD-13 0-2 12/16/93 SB13-9.1	SOIL SEAD-13 0-2 12/16/93 SB13-9.7	SOIL SEAD-13 0-2 12/16/93 SB13-9.7RE	SOIL SEAD-13 6-8 12/16/93 SB13-9.4	SOIL SEAD-13 10-12 12/16/93 SB13-9.6	SOIL SEAD-13 0-2 12/17/93 SB13-10.1	SOIL SEAD-13 0-2 12/17/93 SB13-10.10	SOIL SEAD-13 6-8 12/17/93 SB13-10.4
	LAB ID UNITS	206410	206411	207029	207031	207031	207182	207183	207184	207188	207186
VOLATILE ORGANICS											
Chloromethane	ug/Kg	11 U	11 U	12 U	12 U	12 UJ	11 U	11 U	12 U	12 U	11 U
Bromomethane	ug/Kg	11 U	11 U	12 U	12 U	12 UJ	11 U	11 U	12 U	12 U	11 U
Vinyl Chloride	ug/Kg	11 U	11 U	12 U	12 U	12 UJ	11 U	11 U	12 U	12 U	11 U
Chloroethane	ug/Kg	11 U	11 U	12 U	12 U	12 UJ	11 U	11 U	12 U	12 U	11 U
Methylene Chloride	ug/Kg	11 U	11 U	12 U	12 U	12 UJ	11 U	11 U	12 U	12 U	11 U
Acetone	ug/Kg	11 U	11 U	12 U	12 U	12 UJ	11 U	11 U	12 U	12 U	11 U
Carbon Disulfide	ug/Kg	11 U	11 U	12 U	12 U	12 UJ	11 U	11 U	12 U	12 U	11 U
1,1-Dichloroethane	ug/Kg	11 U	11 U	12 U	12 U	12 UJ	11 U	11 U	12 U	12 U	11 U
1,1-Dichloroethane	ug/Kg	11 U	11 U	12 U	12 U	12 UJ	11 U	11 U	12 U	12 U	11 U
1,2-Dichloroethane (total)	ug/Kg	11 U	11 U	12 U	12 U	12 UJ	11 U	11 U	12 U	12 U	11 U
Chloroform	ug/Kg	11 U	11 U	12 U	12 U	12 UJ	11 U	11 U	12 U	12 U	11 U
1,2-Dichloroethane	ug/Kg	11 U	11 U	12 U	12 U	12 UJ	11 U	11 U	12 U	12 U	11 U
2-Butanone	ug/Kg	11 U	11 U	12 U	12 U	12 UJ	11 U	11 U	12 U	12 U	11 U
1,1,1-Trichloroethane	ug/Kg	11 U	11 U	12 U	12 U	12 UJ	11 U	11 U	12 U	12 U	11 U
Carbon Tetrachloride	ug/Kg	11 U	11 U	12 U	12 U	12 UJ	11 U	11 U	12 U	12 U	11 U
Bromodichloromethane	ug/Kg	11 U	11 U	12 U	12 U	12 UJ	11 U	11 U	12 U	12 U	11 U
1,2-Dichloropropane	ug/Kg	11 U	11 U	12 U	12 U	12 UJ	11 U	11 U	12 U	12 U	11 U
cis-1,3-Dichloropropene	ug/Kg	11 U	11 U	12 U	12 U	12 UJ	11 U	11 U	12 U	12 U	11 U
Trichloroethene	ug/Kg	11 U	11 U	12 U	12 U	12 UJ	11 U	11 U	12 U	12 U	11 U
Dibromochloromethane	ug/Kg	11 U	11 U	12 U	12 U	12 UJ	11 U	11 U	12 U	12 U	11 U
1,1,2-Trichloroethane	ug/Kg	11 U	11 U	12 U	12 U	12 UJ	11 U	11 U	12 U	12 U	11 U
Benzene	ug/Kg	11 U	11 U	12 U	12 U	12 UJ	11 U	11 U	12 U	12 U	11 U
trans-1,3-Dichloropropene	ug/Kg	11 U	11 U	12 U	12 U	12 UJ	11 U	11 U	12 U	12 U	11 U
Bromoform	ug/Kg	11 U	11 U	12 U	12 U	12 UJ	11 U	11 U	12 U	12 U	11 U
4-Methyl-2-Pentanone	ug/Kg	11 U	11 U	12 U	12 U	12 UJ	11 U	11 U	12 U	12 U	11 U
2-Hexanone	ug/Kg	11 U	11 U	12 U	12 U	12 UJ	11 U	11 U	12 U	12 U	11 U
Tetrachloroethene	ug/Kg	11 U	11 U	12 U	12 U	12 UJ	11 U	11 U	12 U	12 U	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	11 U	11 U	12 U	12 U	12 UJ	11 U	11 U	12 U	12 U	11 U
Toluene	ug/Kg	11 U	11 U	12 U	12 U	12 UJ	11 U	11 U	12 U	12 U	11 U
Chlorobenzene	ug/Kg	11 U	11 U	12 U	12 U	12 UJ	11 U	11 U	12 U	12 U	11 U
Ethylbenzene	ug/Kg	11 U	11 U	12 U	12 U	12 UJ	11 U	11 U	12 U	12 U	11 U
Styrene	ug/Kg	11 U	11 U	12 U	12 U	12 UJ	11 U	11 U	12 U	12 U	11 U
Xylene (total)	ug/Kg	11 U	11 U	12 U	12 U	12 UJ	11 U	11 U	12 U	12 U	11 U
MTBE	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES											
2,4-D	ug/Kg	60 U	55 U	66 U	61 U	NS	56 U	55 U	59 U	59 U	54 U
2,4-DB	ug/Kg	80 U	55 U	66 U	61 U	NS	56 U	55 U	59 U	59 U	54 U
2,4,5-T	ug/Kg	6 U	5.5 U	6.6 U	6.1 U	NS	5.6 U	5.5 U	5.9 U	5.9 U	5.4 U
2,4,5-TP (Silvex)	ug/Kg	6 U	5.5 U	6.6 U	6.1 U	NS	5.6 U	5.5 U	5.9 U	5.9 U	5.4 U
Dalapon	ug/Kg	150 U	140 U	160 U	150 U	NS	140 U	130 U	150 U	150 U	130 U
Dicamba	ug/Kg	6 U	5.5 U	6.6 U	6.1 U	NS	5.6 U	5.5 U	5.9 U	5.9 U	5.4 U
Dichloroprop	ug/Kg	60 U	55 U	66 U	61 U	NS	56 U	55 U	59 U	59 U	54 U
Dinoseb	ug/Kg	30 U	28 U	33 U	31 U	NS	28 U	28 U	30 U	30 U	27 U
MCPA	ug/Kg	6000 U	5500 U	6600 U	6100 U	NS	5600 U	5500 U	5900 U	5900 U	5400 U
MCPP	ug/Kg	6000 U	5500 U	6600 U	6100 U	NS	5600 U	5500 U	5900 U	5900 U	5400 U
NITROAROMATICS											
HMX	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
RDX	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trinitrobenzene	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dinitrobenzene	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetryl	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,6-Trinitrotoluene	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-amino-2,6-Dinitrotoluene	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-amino-4,6-Dinitrotoluene	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,6-Dinitrotoluene	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dinitrotoluene	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-13 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-13 2-4 12/07/93 SB13-8.2 206410	SOIL SEAD-13 4-6 12/07/93 SB13-8.3 206411	SOIL SEAD-13 0-2 12/16/93 SB13-9.1 207029	SOIL SEAD-13 0-2 12/16/93 SB13-9.7 207031	SOIL SEAD-13 0-2 12/16/93 SB13-9.7RE 207031	SOIL SEAD-13 6-8 12/16/93 SB13-9.4 207182	SOIL SEAD-13 10-12 12/16/93 SB13-9.6 207183	SOIL SEAD-13 0-2 12/17/93 SB13-10.1 207184	SOIL SEAD-13 0-2 12/17/93 SB13-10.10 207188	SOIL SEAD-13 0-2 12/17/93 SB13-10.4 207186
SEMIVOLATILE ORGANICS										
Phenol	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	14000 J	370 UJ	340 U
bis(2-Chloroethyl) ether	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
2-Chlorophenol	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
1,3-Dichlorobenzene	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
1,4-Dichlorobenzene	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3300 J	370 UJ	340 U
1,2-Dichlorobenzene	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
2-Methylphenol	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
2,2'-oxybis(1-Chloropropane)	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
4-Methylphenol	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
N-Nitroso-dl-n-propylamine	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	9200 J	370 UJ	340 U
Hexachloroethane	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
Nitrobenzene	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
Isophorone	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
2-Nitrophenol	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
2,4-Dimethylphenol	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
bis(2-Chloroethoxy) methane	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
2,4-Dichlorophenol	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
1,2,4-Trichlorobenzene	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
Naphthalene	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	510 J	370 UJ	340 U
4-Chloroaniline	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
Hexachlorobutadiene	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
4-Chloro-3-methylphenol	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
2-Methylnaphthalene	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
Hexachlorocyclopentadiene	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
2,4,6-Trichlorophenol	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
2,4,5-Trichlorophenol	ug/Kg 960 U	880 U	1000 U	980 U	NS	860 U	850 U	9400 UJ	890 UJ	830 U
2-Chloronaphthalene	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
2-Nitroaniline	ug/Kg 960 U	880 U	1000 U	980 U	NS	860 U	850 U	9400 UJ	890 UJ	830 U
Dimethylphthalate	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
Acenaphthylene	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
2,8-Dinitrotoluene	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
3-Nitroaniline	ug/Kg 960 U	880 U	1000 U	980 U	NS	860 U	850 U	9400 UJ	890 UJ	830 U
Acenaphthene	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	650 J	370 UJ	340 U
2,4-Dinitrophenol	ug/Kg 960 U	880 U	1000 U	980 U	NS	860 U	850 U	9400 UJ	890 UJ	830 U
4-Nitrophenol	ug/Kg 960 U	880 U	1000 U	980 U	NS	860 U	850 U	9400 UJ	890 UJ	830 U
Dibenzofuran	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	340 J	370 UJ	340 U
2,4-Dinitrotoluene	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
Diethylphthalate	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
4-Chlorophenyl-phenylether	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
Fluorene	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
4-Nitroaniline	ug/Kg 960 U	880 U	1000 U	980 U	NS	860 U	850 U	9400 UJ	890 UJ	830 U
4,6-Dinitro-2-methylphenol	ug/Kg 960 U	880 U	1000 U	980 U	NS	860 U	850 U	9400 UJ	890 UJ	830 U
N-Nitrosodiphenylamine	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
4-Bromophenyl-phenylether	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
Hexachlorobenzene	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
Pentachlorophenol	ug/Kg 960 U	880 U	1000 U	980 U	NS	860 U	850 U	9400 UJ	890 UJ	830 U
Phenanthrene	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	1400 J	370 UJ	340 U
Anthracene	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
Carbazole	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	180 J	370 UJ	340 U
Di-n-butylphthalate	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
Fluoranthene	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	800 J	370 UJ	340 U
Pyrene	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	540 J	370 UJ	340 U
Butylbenzylphthalate	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
3,3'-Dichlorobenzidine	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
Benzo(a)anthracene	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
Chrysene	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
bis(2-Ethylhexyl)phthalate	ug/Kg 400 U	360 U	62 J	27 J	NS	360 U	350 U	1900 J	370 UJ	340 U
Di-n-octylphthalate	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
Benzo(b)fluoranthene	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
Benzo(k)fluoranthene	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
Benzo(a)pyrene	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
indeno(1,2,3-cd)pyrene	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
Dibenz(a,h)anthracene	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U
Benzo(g,h,i)perylene	ug/Kg 400 U	360 U	430 U	400 U	NS	360 U	350 U	3900 UJ	370 UJ	340 U

SENECA ARMY DEPOT
SEAD-13 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-13 2-4 12/07/93 SB13-8.2	SOIL SEAD-13 4-6 12/07/93 SB13-8.3	SOIL SEAD-13 0-2 12/16/93 SB13-9.1	SOIL SEAD-13 0-2 12/16/93 SB13-9.7	SOIL SEAD-13 0-2 12/16/93 SB13-9.7RE	SOIL SEAD-13 6-8 12/16/93 SB13-9.4	SOIL SEAD-13 10-12 12/16/93 SB13-9.6	SOIL SEAD-13 0-2 12/17/93 SB13-10.1	SOIL SEAD-13 0-2 12/17/93 SB13-10.10	SOIL SEAD-13 6-8 12/17/93 SB13-10.4	
COMPOUND	206410	206411	207029	207031	207031	207182	207183	207184	207188	207186	
UNITS				SB13-9.1DUP	SB13-9.1DUP				SB13-10.1DUP		
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2 U	1.9 U	2.2 U	2.1 U	NS	1.9 U	1.8 U	2 U	2 U	1.8 U
beta-BHC	ug/Kg	2 U	1.9 U	2.2 U	2.1 U	NS	1.9 U	1.8 U	2 U	2 U	1.8 U
delta-BHC	ug/Kg	2 U	1.9 U	2.2 U	2.1 U	NS	1.9 U	1.8 U	2 U	2 U	1.8 U
gamma-BHC (Lindane)	ug/Kg	2 U	1.9 U	2.2 U	2.1 U	NS	1.9 U	1.8 U	2 U	2 U	1.8 U
Heptachlor	ug/Kg	2 U	1.9 U	2.2 U	2.1 U	NS	1.9 U	1.8 U	2 U	2 U	1.8 U
Aldrin	ug/Kg	2 U	1.9 U	2.2 U	2.1 U	NS	1.9 U	1.8 U	2 U	2 U	1.8 U
Heptachlor epoxide	ug/Kg	2 U	1.9 U	2.2 U	2.1 U	NS	1.9 U	1.8 U	2 U	2 U	1.8 U
Endosulfan I	ug/Kg	2 U	1.9 U	2.2 U	2.1 U	NS	1.9 U	1.8 U	2 U	2 U	1.8 U
Dieldrin	ug/Kg	4 U	3.8 U	4.3 U	4 U	NS	3.7 U	3.6 U	3.8 U	3.9 U	3.6 U
4,4'-DDE	ug/Kg	4 U	3.6 U	4.3 U	4 U	NS	3.7 U	3.6 U	3.8 U	3.9 U	3.6 U
Endrin	ug/Kg	4 U	3.6 U	4.3 U	4 U	NS	3.7 U	3.6 U	3.8 U	3.9 U	3.6 U
Endosulfan II	ug/Kg	4 U	3.6 U	4.3 U	4 U	NS	3.7 U	3.6 U	3.8 U	3.9 U	3.6 U
4,4'-DDD	ug/Kg	4 U	3.6 U	4.3 U	4 U	NS	3.7 U	3.6 U	3.8 U	3.9 U	3.6 U
Endosulfan sulfate	ug/Kg	4 U	3.6 U	4.3 U	4 U	NS	3.7 U	3.6 U	3.8 U	3.9 U	3.6 U
4,4'-DDT	ug/Kg	4 U	3.6 U	4.3 U	4 U	NS	3.7 U	3.6 U	3.8 U	3.9 U	3.6 U
Methoxychlor	ug/Kg	20 U	19 U	22 U	21 U	NS	19 U	18 U	20 U	20 U	18 U
Endrin ketone	ug/Kg	4 U	3.8 U	4.3 U	4 U	NS	3.7 U	3.6 U	3.8 U	3.9 U	3.6 U
Endrin aldehyde	ug/Kg	4 U	3.8 U	4.3 U	4 U	NS	3.7 U	3.6 U	3.8 U	3.9 U	3.6 U
alpha-Chlordane	ug/Kg	2 U	1.9 U	2.2 U	2.1 U	NS	1.9 U	1.8 U	2 U	2 U	1.8 U
gamma-Chlordane	ug/Kg	2 U	1.9 U	2.2 U	2.1 U	NS	1.9 U	1.8 U	2 U	2 U	1.8 U
Toxaphene	ug/Kg	200 U	190 U	220 U	210 U	NS	190 U	180 U	200 U	200 U	180 U
Aroclor - 1016	ug/Kg	40 U	36 U	43 U	40 U	NS	37 U	36 U	38 U	39 U	36 U
Aroclor - 1221	ug/Kg	81 U	74 U	88 U	81 U	NS	75 U	73 U	78 U	79 U	72 U
Aroclor - 1232	ug/Kg	40 U	36 U	43 U	40 U	NS	37 U	36 U	38 U	39 U	36 U
Aroclor - 1242	ug/Kg	40 U	36 U	43 U	40 U	NS	37 U	36 U	38 U	39 U	36 U
Aroclor - 1248	ug/Kg	40 U	36 U	43 U	40 U	NS	37 U	36 U	38 U	39 U	36 U
Aroclor - 1254	ug/Kg	40 U	36 U	43 U	40 U	NS	37 U	36 U	38 U	39 U	36 U
Aroclor - 1260	ug/Kg	40 U	36 U	43 U	40 U	NS	37 U	36 U	38 U	39 U	36 U
METALS											
Aluminum	mg/Kg	19600	9710	18300	14200	NS	12000	13800	12000	18500	12100
Antimony	mg/Kg	3.1 UJ	5.7 J	5.6 UJ	4 UJ	NS	5.8 J	4.6 J	4.4 UJ	5 J	3.7 UJ
Arsenic	mg/Kg	10.2	8	7.8	5.3	NS	8	5.5	3.8	5.7	6.6
Barium	mg/Kg	96	119	124	105	NS	191	173	72.2	157	174
Beryllium	mg/Kg	0.97	0.48 J	1.1 J	0.79 J	NS	0.69 J	0.73 J	0.63 J	0.91 J	0.72 J
Cadmium	mg/Kg	0.3 U	0.42 U	0.54 U	0.39 U	NS	0.47 U	0.42 U	0.42 U	0.48 U	0.36 U
Calcium	mg/Kg	4010	78600	4800	7980	NS	98100	78900	2070	4220	78900
Chromium	mg/Kg	32.4	15.3	26.2	20.2	NS	21.2	24.8	16.2	27.2	20.1
Cobalt	mg/Kg	18.9	10.6	10.3 J	7.9 J	NS	13.8	10.4	4.3 J	8.2 J	17.8
Copper	mg/Kg	31.5	22.2	27.8	24.2	NS	44	32.7	7.5 J	26.6 J	33.7
Iron	mg/Kg	41100	19800	31700	24300	NS	25200	26800	16500	29000	25800
Lead	mg/Kg	10	11.2	13.3	14.4	NS	14.4	10.4	9	11	14.8
Magnesium	mg/Kg	7940	19500	5250	4350	NS	17700	19800	2840	6210	16100
Manganese	mg/Kg	687	380	473	352	NS	532	398	104	204	708
Mercury	mg/Kg	0.02 J	0.02 U	0.04 J	0.03 J	NS	0.02 J	0.02 J	0.03 J	0.03 J	0.02 J
Nickel	mg/Kg	55.6	31.4	35.4	28.5	NS	45.9	40.9	14.1	32.6	57.1
Potassium	mg/Kg	1420	1590	1850	975	NS	2150	2590	974 J	1500	1880
Selenium	mg/Kg	0.29 J	0.14 U	1.4	0.69 J	NS	0.52 J	0.47 J	0.29 J	0.32 J	0.45 J
Silver	mg/Kg	0.6 U	0.84 U	1.1 U	0.78 U	NS	0.93 U	0.84 U	0.85 U	0.95 U	0.72 U
Sodium	mg/Kg	62 J	144 J	56 J	42.6 J	NS	196 J	175 J	40 J	57 J	166 J
Thallium	mg/Kg	0.5 J	0.75 J	0.27 U	0.2 U	NS	0.24 U	0.24 U	0.27 U	0.27 U	0.13 U
Vanadium	mg/Kg	27.1	15.8	34.8	25.6	NS	25.8	24.5	21.6	31.7	21.6
Zinc	mg/Kg	103	68.5	58.9	48.5	NS	73.5	98	40.7	68.7	92.8
Cyanide	mg/Kg	0.57 U	0.54 U	0.63 U	0.58 U	NS	0.54 U	0.51 U	0.49 U	0.59 U	0.48 U
OTHER ANALYSES											
Nitrate/Nitrite - Nitrogen	mg/Kg	0.31	0.03	0.03	0.19	NS	0.04	0.04	0.33	0.5	0.17
Total Solids	%W/W	82.8	90.7	75.8	82.2	NS	89.3	92.1	84.6	84.7	91.7
Total Petroleum Hydrocarbons	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoride	mg/Kg	47	11.7	78	97	NS	89	72	75	34	28
pH	standard units	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-13 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL
	LOCATION (DEPTH FEET)	SEAD-13 8-10	SEAD-13 8-10
	SAMPLE DATE	12/18/93	12/18/93
	ES ID	SB13-10.5	SB13-10.5RE
	LAB ID	207187	207187
	UNITS		
VOLATILE ORGANICS			
Chloromethane	ug/Kg	10 U R	10 UJ
Bromomethane	ug/Kg	10 U R	10 UJ
Vinyl Chloride	ug/Kg	10 U R	10 UJ
Chloroethane	ug/Kg	10 U R	10 UJ
Methylene Chloride	ug/Kg	2 J	10 UJ
Acetone	ug/Kg	11 U R	10 UJ
Carbon Disulfide	ug/Kg	10 U R	10 UJ
1,1-Dichloroethene	ug/Kg	10 U R	10 UJ
1,1-Dichloroethane	ug/Kg	10 U R	10 UJ
1,2-Dichloroethene (total)	ug/Kg	10 U R	10 UJ
Chloroform	ug/Kg	10 U R	10 UJ
1,2-Dichloroethane	ug/Kg	10 U R	10 UJ
2-Butanone	ug/Kg	10 U R	10 UJ
1,1,1-Trichloroethane	ug/Kg	10 U R	10 UJ
Carbon Tetrachloride	ug/Kg	10 U R	10 UJ
Bromodichloromethane	ug/Kg	10 U R	10 UJ
1,2-Dichloropropane	ug/Kg	10 U R	10 UJ
cis-1,3-Dichloropropene	ug/Kg	10 U R	10 UJ
Trichloroethene	ug/Kg	10 U R	10 UJ
Dibromochloromethane	ug/Kg	10 U R	10 UJ
1,1,2-Trichloroethane	ug/Kg	10 U R	10 UJ
Benzene	ug/Kg	10 U R	10 UJ
trans-1,3-Dichloropropene	ug/Kg	10 U R	10 UJ
Bromoform	ug/Kg	10 U R	10 UJ
4-Methyl-2-Pentanone	ug/Kg	10 U R	10 UJ
2-Hexanone	ug/Kg	10 U R	10 UJ
Tetrachloroethene	ug/Kg	10 U R	10 UJ
1,1,2,2-Tetrachloroethane	ug/Kg	10 U R	10 UJ
Toluene	ug/Kg	10 U R	10 UJ
Chlorobenzene	ug/Kg	10 U R	10 UJ
Ethylbenzene	ug/Kg	10 U R	10 UJ
Styrene	ug/Kg	10 U R	10 UJ
Xylene (total)	ug/Kg	10 U R	10 UJ
MTBE	ug/Kg	NS	NS
HERBICIDES			
2,4-D	ug/Kg	52 U	NS
2,4-DB	ug/Kg	52 U	NS
2,4,5-T	ug/Kg	5.2 U	NS
2,4,5-TP (Silvex)	ug/Kg	5.2 U	NS
Dalapon	ug/Kg	130 U	NS
Dicamba	ug/Kg	5.2 U	NS
Dichloroprop	ug/Kg	52 U	NS
Dinoseb	ug/Kg	26 U	NS
MCPA	ug/Kg	5200 U	NS
MCPP	ug/Kg	520 U	NS
NITROAROMATICS			
HMX	ug/Kg	NS	NS
RDX	ug/Kg	NS	NS
1,3,5-Trinitrobenzene	ug/Kg	NS	NS
1,3-Dinitrobenzene	ug/Kg	NS	NS
Tetryl	ug/Kg	NS	NS
2,4,6-Trinitrotoluene	ug/Kg	NS	NS
4-amino-2,6-Dinitrotoluene	ug/Kg	NS	NS
2-amino-4,6-Dinitrotoluene	ug/Kg	NS	NS
2,6-Dinitrotoluene	ug/Kg	NS	NS
2,4-Dinitrotoluene	ug/Kg	NS	NS

SENECA ARMY DEPOT
SEAD-13 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-13 8-10 12/18/93 SB13-10.5 207187	SOIL SEAD-13 8-10 12/18/93 SB13-10.5RE 207187
SEMIVOLATILE ORGANICS			
Phenol	ug/Kg	320 U	NS
bis(2-Chloroethyl) ether	ug/Kg	320 U	NS
2-Chlorophenol	ug/Kg	320 U	NS
1,3-Dichlorobenzene	ug/Kg	320 U	NS
1,4-Dichlorobenzene	ug/Kg	320 U	NS
1,2-Dichlorobenzene	ug/Kg	320 U	NS
2-Methylphenol	ug/Kg	320 U	NS
2,2'-oxybis(1-Chloropropane)	ug/Kg	320 U	NS
4-Methylphenol	ug/Kg	320 U	NS
N-Nitroso-di-n-propylamine	ug/Kg	320 U	NS
Hexachloroethane	ug/Kg	320 U	NS
Nitrobenzene	ug/Kg	320 U	NS
Isophorone	ug/Kg	320 U	NS
2-Nitrophenol	ug/Kg	320 U	NS
2,4-Dimethylphenol	ug/Kg	320 U	NS
bis(2-Chloroethoxy) methane	ug/Kg	320 U	NS
2,4-Dichlorophenol	ug/Kg	320 U	NS
1,2,4-Trichlorobenzene	ug/Kg	320 U	NS
Naphthalene	ug/Kg	320 U	NS
4-Chloroaniline	ug/Kg	320 U	NS
Hexachlorobutadiene	ug/Kg	320 U	NS
4-Chloro-3-methylphenol	ug/Kg	320 U	NS
2-Methylnaphthalene	ug/Kg	320 U	NS
Hexachlorocyclopentadiene	ug/Kg	320 U	NS
2,4,6-Trichlorophenol	ug/Kg	320 U	NS
2,4,5-Trichlorophenol	ug/Kg	790 U	NS
2-Chloronaphthalene	ug/Kg	320 U	NS
2-Nitroaniline	ug/Kg	790 U	NS
Dimethylphthalate	ug/Kg	320 U	NS
Acenaphthylene	ug/Kg	320 U	NS
2,6-Dinitrotoluene	ug/Kg	320 U	NS
3-Nitroaniline	ug/Kg	790 U	NS
Acenaphthene	ug/Kg	320 U	NS
2,4-Dinitrophenol	ug/Kg	790 U	NS
4-Nitrophenol	ug/Kg	790 U	NS
Dibenzofuran	ug/Kg	320 U	NS
2,4-Dinitrotoluene	ug/Kg	320 U	NS
Diethylphthalate	ug/Kg	320 U	NS
4-Chlorophenyl-phenylether	ug/Kg	320 U	NS
Fluorene	ug/Kg	320 U	NS
4-Nitroaniline	ug/Kg	790 U	NS
4,6-Dinitro-2-methylphenol	ug/Kg	790 U	NS
N-Nitrosodiphenylamine	ug/Kg	320 U	NS
4-Bromophenyl-phenylether	ug/Kg	320 U	NS
Hexachlorobenzene	ug/Kg	320 U	NS
Pentachlorophenol	ug/Kg	790 U	NS
Phenanthrene	ug/Kg	320 U	NS
Anthracene	ug/Kg	320 U	NS
Carbazole	ug/Kg	320 U	NS
Di-n-butylphthalate	ug/Kg	320 U	NS
Fluoranthene	ug/Kg	320 U	NS
Pyrene	ug/Kg	320 U	NS
Butylbenzyl phthalate	ug/Kg	320 U	NS
3,3'-Dichlorobenzidine	ug/Kg	320 U	NS
Benzo(a)anthracene	ug/Kg	320 U	NS
Chrysene	ug/Kg	320 U	NS
bis(2-Ethylhexyl)phthalate	ug/Kg	320 U	NS
Di-n-octylphthalate	ug/Kg	320 U	NS
Benzo(b)fluoranthene	ug/Kg	320 U	NS
Benzo(k)fluoranthene	ug/Kg	320 U	NS
Benzo(a)pyrene	ug/Kg	320 U	NS
Indeno(1,2,3-cd)pyrene	ug/Kg	320 U	NS
Dibenz(a,h)anthracene	ug/Kg	320 U	NS
Benzo(g,h,i)perylene	ug/Kg	320 U	NS

SENECA ARMY DEPOT
SEAD-13 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-13 8-10 12/18/93 SB13-10.5 207187	SOIL SEAD-13 8-10 12/18/93 SB13-10.5RE 207187
PESTICIDES/PCB			
alpha-BHC	ug/Kg	1.8 U	NS
beta-BHC	ug/Kg	1.8 U	NS
delta-BHC	ug/Kg	1.8 U	NS
gamma-BHC (Lindane)	ug/Kg	1.8 U	NS
Heptachlor	ug/Kg	1.8 U	NS
Aldrin	ug/Kg	1.8 U	NS
Heptachlor epoxide	ug/Kg	1.8 U	NS
Endosulfan I	ug/Kg	1.8 U	NS
Dieldrin	ug/Kg	3.4 U	NS
4,4'-DDE	ug/Kg	3.4 U	NS
Endrin	ug/Kg	3.4 U	NS
Endosulfan II	ug/Kg	3.4 U	NS
4,4'-DDD	ug/Kg	3.4 U	NS
Endosulfan sulfate	ug/Kg	3.4 U	NS
4,4'-DDT	ug/Kg	3.4 U	NS
Methoxychlor	ug/Kg	18 U	NS
Endrin ketone	ug/Kg	3.4 U	NS
Endrin aldehyde	ug/Kg	3.4 U	NS
alpha-Chlordane	ug/Kg	1.8 U	NS
gamma-Chlordane	ug/Kg	1.8 U	NS
Toxaphene	ug/Kg	180 U	NS
Aroclor-1016	ug/Kg	34 U	NS
Aroclor-1221	ug/Kg	69 U	NS
Aroclor-1232	ug/Kg	34 U	NS
Aroclor-1242	ug/Kg	34 U	NS
Aroclor-1248	ug/Kg	34 U	NS
Aroclor-1254	ug/Kg	34 U	NS
Aroclor-1260	ug/Kg	34 U	NS
METALS			
Aluminum	mg/Kg	17100	NS
Antimony	mg/Kg	4.1 UJ	NS
Arsenic	mg/Kg	4.5	NS
Barium	mg/Kg	584	NS
Beryllium	mg/Kg	0.88 J	NS
Cadmium	mg/Kg	0.39 U	NS
Calcium	mg/Kg	32500	NS
Chromium	mg/Kg	30.8	NS
Cobalt	mg/Kg	18.6	NS
Copper	mg/Kg	17.1	NS
Iron	mg/Kg	36800	NS
Lead	mg/Kg	12.5	NS
Magnesium	mg/Kg	8700	NS
Manganese	mg/Kg	548	NS
Mercury	mg/Kg	0.02 U	NS
Nickel	mg/Kg	53	NS
Potassium	mg/Kg	1580	NS
Selenium	mg/Kg	0.42 J	NS
Silver	mg/Kg	1 J	NS
Sodium	mg/Kg	125 J	NS
Thallium	mg/Kg	0.19 U	NS
Vanadium	mg/Kg	24.3	NS
Zinc	mg/Kg	82.2	NS
Cyanide	mg/Kg	0.51 U	NS
OTHER ANALYSES			
Nitrate/Nitrite - Nitrogen	mg/Kg	0.05	NS
Total Solids	%W/W	95.8	NS
Total Petroleum Hydrocarbons	mg/Kg	NS	NS
Fluoride	mg/Kg	27	NS
pH	standard units	NS	NS

SENECA ARMY DEPOT
SEAD-13 EXPANDED SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION	WATER	WATER	WATER	WATER	WATER	WATER
	ES ID	SEAD-13	SEAD-13	SEAD-13	SEAD-13	SEAD-13	SEAD-13
	LAB ID	02/03/94	11/18/93	02/04/94	02/04/94	02/05/94	02/04/94
UNITS	MW13-1	MW13-2	MW13-4	MW13-8	MW13-5	MW13-6	
	210501	205083	210496	210499	210497	210498	
VOLATILE ORGANICS							
Chloromethane	ug/L	10 U	10 U	10 U	NS	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	NS	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	NS	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	NS	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U	NS	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U	NS	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U	NS	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	NS	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	NS	10 U	10 U
1,2-Dichloroethane (total)	ug/L	10 U	10 U	10 U	NS	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U	NS	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	NS	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U	NS	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	NS	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	NS	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U	NS	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	NS	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	NS	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U	NS	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	NS	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	NS	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U	NS	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	NS	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U	NS	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	NS	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	NS	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U	NS	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	NS	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U	NS	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U	NS	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	NS	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U	NS	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U	NS	10 U	10 U
MTBE	ug/L	NS	NS	NS	NS	NS	NS
HERBICIDES							
2,4-D	ug/L	1.1 U	1.1 U	1.1 U	NS	1.1 U	1.2 U
2,4-DB	ug/L	1.1 U	1.1 U	1.1 U	NS	1.1 U	1.2 U
2,4,5-T	ug/L	0.11 U	0.11 U	0.11 U	NS	0.11 U	0.12 U
2,4,5-TP (Silvex)	ug/L	0.11 U	0.11 U	0.11 U	NS	0.11 U	0.12 U
Dalapon	ug/L	2.5 U	2.5 U	2.4 U	NS	2.5 U	2.6 U
Dicamba	ug/L	0.11 U	0.11 U	0.11 U	NS	0.11 U	0.12 U
Dichloroprop	ug/L	1.1 U	1.1 U	1.1 U	NS	1.1 U	1.2 U
Dinoseb	ug/L	0.54 U	0.54 U	0.52 U	NS	0.55 U	0.57 U
MCPA	ug/L	110 U	110 U	110 U	NS	110 U	120 U
MCPP	ug/L	110 U	110 U	110 U	NS	110 U	120 U
NITROAROMATICS							
HMX	ug/L	NS	NS	NS	NS	NS	NS
RDX	ug/L	NS	NS	NS	NS	NS	NS
1,3,5-Trinitrobenzene	ug/L	NS	NS	NS	NS	NS	NS
1,3-Dinitrobenzene	ug/L	NS	NS	NS	NS	NS	NS
Tetryl	ug/L	NS	NS	NS	NS	NS	NS
2,4,6-Trinitrotoluene	ug/L	NS	NS	NS	NS	NS	NS
4-amino-2,6-Dinitrotoluene	ug/L	NS	NS	NS	NS	NS	NS
2-amino-4,6-Dinitrotoluene	ug/L	NS	NS	NS	NS	NS	NS
2,6-Dinitrotoluene	ug/L	NS	NS	NS	NS	NS	NS
2,4-Dinitrotoluene	ug/L	NS	NS	NS	NS	NS	NS

NOTES:

NS stands for NOT SAMPLED

SENECA ARMY DEPOT
SEAD-13 EXPANDED SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID UNITS	WATER SEAD-13 02/03/94 MW13-1 210501	WATER SEAD-13 11/18/93 MW13-2 205063	WATER SEAD-13 02/04/94 MW13-4 210496	WATER SEAD-13 02/04/94 MW13-8 210499 MW13-4DUP	WATER SEAD-13 02/05/94 MW13-5 210497	WATER SEAD-13 02/04/94 MW13-6 210498
SEMIVOLATILE ORGANICS							
Phenol	ug/L	11 U	11 U	10 U	NS	10 U	10 U
bis(2-Chloroethyl) ether	ug/L	11 U	11 U	10 U	NS	10 U	10 U
2-Chlorophenol	ug/L	11 U	11 U	10 U	NS	10 U	10 U
1,3-Dichlorobenzene	ug/L	11 U	11 U	10 U	NS	10 U	10 U
1,4-Dichlorobenzene	ug/L	11 U	11 U	10 U	NS	10 U	10 U
1,2-Dichlorobenzene	ug/L	11 U	11 U	10 U	NS	10 U	10 U
2-Methylphenol	ug/L	11 U	11 U	10 U	NS	10 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	11 U	11 U	10 U	NS	10 U	10 U
4-Methylphenol	ug/L	11 U	11 U	10 U	NS	10 U	10 U
N-Nitroso-d-n-propylamine	ug/L	11 U	11 U	10 U	NS	10 U	10 U
Hexachloroethane	ug/L	11 U	11 U	10 U	NS	10 U	10 U
Nitrobenzene	ug/L	11 U	11 U	10 U	NS	10 U	10 U
Isophorone	ug/L	11 U	11 U	10 U	NS	10 U	10 U
2-Nitrophenol	ug/L	11 U	11 U	10 U	NS	10 U	10 U
2,4-Dimethylphenol	ug/L	11 U	11 U	10 U	NS	10 U	10 U
bis(2-Chloroethoxy) methane	ug/L	11 U	11 U	10 U	NS	10 U	10 U
2,4-Dichlorophenol	ug/L	11 U	11 U	10 U	NS	10 U	10 U
1,2,4-Trichlorobenzene	ug/L	11 U	11 U	10 U	NS	10 U	10 U
Naphthalene	ug/L	11 U	11 U	10 U	NS	10 U	10 U
4-Chloroaniline	ug/L	11 U	11 U	10 U	NS	10 U	10 U
Hexachlorobutadiene	ug/L	11 U	11 U	10 U	NS	10 U	10 U
4-Chloro-3-methylphenol	ug/L	11 U	11 U	10 U	NS	10 U	10 U
2-Methylnaphthalene	ug/L	11 U	11 U	10 U	NS	10 U	10 U
Hexachlorocyclopentadiene	ug/L	11 U	11 U	10 U	NS	10 U	10 U
2,4,6-Trichlorophenol	ug/L	11 U	11 U	10 U	NS	10 U	10 U
2,4,5-Trichlorophenol	ug/L	27 U	26 U	25 U	NS	25 U	25 U
2-Chloronaphthalene	ug/L	11 U	11 U	10 U	NS	10 U	10 U
2-Nitroaniline	ug/L	27 U	26 U	25 U	NS	25 U	25 U
Dimethylphthalate	ug/L	11 U	11 U	10 U	NS	10 U	10 U
Acenaphthylene	ug/L	11 U	11 U	10 U	NS	10 U	10 U
2,6-Dinitrotoluene	ug/L	11 U	11 U	10 U	NS	10 U	10 U
3-Nitroaniline	ug/L	27 U	26 U	25 U	NS	25 U	25 U
Acenaphthene	ug/L	11 U	11 U	10 U	NS	10 U	10 U
2,4-Dinitrophenol	ug/L	27 U	26 U	25 U	NS	25 U	25 U
4-Nitrophenol	ug/L	27 U	26 U	25 U	NS	25 U	25 U
Dibenzofuran	ug/L	11 U	11 U	10 U	NS	10 U	10 U
2,4-Dinitrotoluene	ug/L	11 U	11 U	10 U	NS	10 U	10 U
Diethylphthalate	ug/L	11 U	11 U	10 U	NS	10 U	10 U
4-Chlorophenyl-phenylether	ug/L	11 U	11 U	10 U	NS	10 U	10 U
Fluorene	ug/L	11 U	11 U	10 U	NS	10 U	10 U
4-Nitroaniline	ug/L	27 U	26 U	25 U	NS	25 U	25 U
4,6-Dinitro-2-methylphenol	ug/L	27 U	26 U	25 U	NS	25 U	25 U
N-Nitrosodiphenylamine	ug/L	11 U	11 U	10 U	NS	10 U	10 U
4-Bromophenyl-phenylether	ug/L	11 U	11 U	10 U	NS	10 U	10 U
Hexachlorobenzene	ug/L	11 U	11 U	10 U	NS	10 U	10 U
Pentachlorophenol	ug/L	27 U	26 U	25 U	NS	25 U	25 U
Phenanthrene	ug/L	11 U	11 U	10 U	NS	10 U	10 U
Anthracene	ug/L	11 U	11 U	10 U	NS	10 U	10 U
Carbazole	ug/L	11 U	11 U	10 U	NS	10 U	10 U
Di-n-butylphthalate	ug/L	11 U	11 U	10 U	NS	10 U	10 U
Fluoranthene	ug/L	11 U	11 U	10 U	NS	10 U	10 U
Pyrene	ug/L	11 U	11 U	10 U	NS	10 U	10 U
Butylbenzylphthalate	ug/L	11 U	11 U	10 U	NS	10 U	10 U
3,3'-Dichlorobenzidine	ug/L	11 U	11 U	10 U	NS	10 U	10 U
Benzo(a)anthracene	ug/L	11 U	11 U	10 U	NS	10 U	10 U
Chrysene	ug/L	11 U	11 U	10 U	NS	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	11 U	11 U	17	NS	23	10 U
Di-n-octylphthalate	ug/L	11 U	11 U	10 U	NS	10 U	10 U
Benzo(b)fluoranthene	ug/L	11 U	11 U	10 U	NS	10 U	10 U
Benzo(k)fluoranthene	ug/L	11 U	11 U	10 U	NS	10 U	10 U
Benzo(a)pyrene	ug/L	11 U	11 U	10 U	NS	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	11 U	10 U	NS	10 U	10 U
Dibenz(a,h)anthracene	ug/L	11 U	11 U	10 U	NS	10 U	10 U
Benzo(g,h,i)perylene	ug/L	11 U	11 U	10 U	NS	10 U	10 U

SENECA ARMY DEPOT
SEAD-13 EXPANDED SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION	WATER	WATER	WATER	WATER	WATER	WATER
	SEAD-13 SAMPLE DATE	SEAD-13 02/03/94	SEAD-13 11/18/93	SEAD-13 02/04/94	SEAD-13 02/04/94	SEAD-13 02/05/94	SEAD-13 02/04/94
ES ID	MW13-1	MW13-2	MW13-4	MW13-8	MW13-5	MW13-6	MW13-8
LAB ID	210501	205063	210496	210499	210497	210498	210498
UNITS							
PESTICIDES/PCB							
alpha-BHC	ug/L	0.054 UJ	0.052 U	0.08 UJ	NS	0.058 U	0.054 U
beta-BHC	ug/L	0.054 UJ	0.052 U	0.06 UJ	NS	0.058 U	0.054 U
delta-BHC	ug/L	0.054 UJ	0.052 U	0.08 UJ	NS	0.058 U	0.054 U
gamma-BHC (Lindane)	ug/L	0.054 UJ	0.052 U	0.06 UJ	NS	0.058 U	0.054 U
Heptachlor	ug/L	0.054 UJ	0.052 U	0.08 UJ	NS	0.058 U	0.054 U
Aldrin	ug/L	0.054 UJ	0.052 U	0.06 UJ	NS	0.058 U	0.054 U
Heptachlor epoxide	ug/L	0.054 UJ	0.052 U	0.06 UJ	NS	0.058 U	0.054 U
Endosulfan I	ug/L	0.054 UJ	0.052 U	0.06 UJ	NS	0.058 U	0.054 U
Dieldrin	ug/L	0.11 UJ	0.1 U	0.12 UJ	NS	0.12 U	0.11 U
4,4'-DDE	ug/L	0.11 UJ	0.1 U	0.12 UJ	NS	0.12 U	0.11 U
Endrin	ug/L	0.11 UJ	0.1 U	0.12 UJ	NS	0.12 U	0.11 U
Endosulfan II	ug/L	0.11 UJ	0.1 U	0.12 UJ	NS	0.12 U	0.11 U
4,4'-DDD	ug/L	0.11 UJ	0.1 U	0.12 UJ	NS	0.12 U	0.11 U
Endosulfan sulfate	ug/L	0.11 UJ	0.1 U	0.12 UJ	NS	0.12 U	0.11 U
4,4'-DDT	ug/L	0.11 UJ	0.1 U	0.12 UJ	NS	0.12 U	0.11 U
Methoxychlor	ug/L	0.54 UJ	0.52 U	0.8 UJ	NS	0.58 U	0.54 U
Endrin ketone	ug/L	0.11 UJ	0.1 U	0.12 UJ	NS	0.12 U	0.11 U
Endrin aldehyde	ug/L	0.11 UJ	0.1 U	0.12 UJ	NS	0.12 U	0.11 U
alpha-Chlordane	ug/L	0.054 UJ	0.052 U	0.06 UJ	NS	0.058 U	0.054 U
gamma-Chlordane	ug/L	0.054 UJ	0.052 U	0.06 UJ	NS	0.058 U	0.054 U
Toxaphene	ug/L	5.4 UJ	5.2 U	6 UJ	NS	5.8 U	5.4 U
Aroclor-1018	ug/L	1.1 UJ	1 U	1.2 UJ	NS	1.2 U	1.1 U
Aroclor-1221	ug/L	2.2 UJ	2.1 U	2.4 UJ	NS	2.3 U	2.2 U
Aroclor-1232	ug/L	1.1 UJ	1 U	1.2 UJ	NS	1.2 U	1.1 U
Aroclor-1242	ug/L	1.1 UJ	1 U	1.2 UJ	NS	1.2 U	1.1 U
Aroclor-1248	ug/L	1.1 UJ	1 U	1.2 UJ	NS	1.2 U	1.1 U
Aroclor-1254	ug/L	1.1 UJ	1 U	1.2 UJ	NS	1.2 U	1.1 U
Aroclor-1260	ug/L	1.1 UJ	1 U	1.2 UJ	NS	1.2 U	1.1 U
METALS							
Aluminum	ug/L	42400	89.8 J	5540	NS	53.1 J	2810
Antimony	ug/L	33.9 J R	52.5 U	31.5 J R	NS	43 J R	52.7 J R
Arsenic	ug/L	9.3 J	1.4 J	1.4 U	NS	1.4 U	1.4 U
Barium	ug/L	337	28.7 J	71.2 J	NS	33.5 J	34.3 J
Beryllium	ug/L	2.2 J	0.3 U	0.4 U	NS	0.4 U	0.4 U
Cadmium	ug/L	2.1 U	3.3 U	2.1 U	NS	2.1 U	2.1 U
Calcium	ug/L	181000	592000	182000	NS	105000	81500
Chromium	ug/L	69.4	2.5 U	9.9 J	NS	2.6 U	6.1 J
Cobalt	ug/L	34.6 J	4.9 U	6.7 J	NS	4.4 U	4.4 U
Copper	ug/L	23.3 J R	3.7 U	3.3 J R	NS	3.1 U	3.1 U
Iron	ug/L	69400	562	8010	NS	75.8 J R	4550
Lead	ug/L	34.8	0.6 U	3.1	NS	0.5 U	1.5 J R
Magnesium	ug/L	50300	188000	44900	NS	55300	51500
Manganese	ug/L	1120	342	299	NS	143	378
Mercury	ug/L	0.05 J R	0.07 UJ	0.04 U	NS	0.04 U	0.04 U
Nickel	ug/L	99.8	5 J	17.5 J	NS	4.6 J	8.8 J
Potassium	ug/L	10100	8890	4460 J	NS	5460	6780
Selenium	ug/L	3.6 J	2.9 J	1.2 J	NS	0.7 U	2.3 J
Silver	ug/L	4.2 U	6.7 U	4.2 U	NS	4.2 U	4.2 U
Sodium	ug/L	9350	17000 R	9340	NS	14000	7880 R
Thallium	ug/L	1.2 U	9 U	1.2 U	NS	1.2 U	1.2 U
Vanadium	ug/L	70.8	3.3 U	8.8 J	NS	3.7 U	5.9 J
Zinc	ug/L	143	3.8 J R	138	NS	101	50.8
Cyanide	ug/L	5 U	5.1 U	5 U	NS	5 U	5 U
OTHER ANALYSES							
Nitrate/Nitrite - Nitrogen	mg/L	0.01 U	460	0.03	NS	0.12	0.16
Total Petroleum Hydrocarbons	mg/L	NS	NS	NS	NS	NS	NS
Fluoride	mg/L	0.45	0.1	0.3	0.23	0.22	0.28
pH	standard units	7.4	7.17	7.14	NA	7.3	7.72
Specific Conductivity	umhos/cm	380	3150	750	NA	600	400
Turbidity	NTU	18.2	4.2	8.1	NA	195	12.3

SENECA ARMY DEPOT
SEAD-13 EXPANDED SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

MATRIX LOCATION	WATER	WATER	WATER	
SAMPLE DATE	SEAD-13	SEAD-13	SEAD-13	
ES ID	11/03/93	11/03/93	11/04/93	
LAB ID	SW13-1	SW13-2	SW13-3	
UNITS	203410	203411	203412	
COMPOUND				
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
Xylene (total)	ug/L	10 U	10 U	10 U
MTBE	ug/L	NS	NS	NS
HERBICIDES				
2,4-D	ug/L	1.1 U	1.1 U	1.2 U
2,4-DB	ug/L	1.1 U	1.1 U	1.2 U
2,4,5-T	ug/L	0.11 U	0.11 U	0.12 U
2,4,5-TP (Silvex)	ug/L	0.11 U	0.11 U	0.12 U
Dalapon	ug/L	2.4 U	2.4 U	2.6 U
Dicamba	ug/L	0.11 U	0.11 U	0.12 U
Dichloroprop	ug/L	1.1 U	1.1 U	1.2 U
Dinoseb	ug/L	0.51 U	0.52 U	0.56 U
MCPA	ug/L	110 U	110 U	120 U
MCPP	ug/L	110 U	110 U	120 U
NITROAROMATICS				
HMX	ug/L	0.13 U	0.13 UJ	0.13 UJ
RDX	ug/L	0.13 U	0.13 UJ	0.13 UJ
1,3,5-Trinitrobenzene	ug/L	0.13 U	0.13 UJ	0.13 UJ
1,3-Dinitrobenzene	ug/L	0.13 U	0.13 UJ	0.13 UJ
Tetryl	ug/L	0.13 U	0.13 UJ	0.13 UJ
2,4,6-Trinitrotoluene	ug/L	0.13 U	0.13 UJ	0.13 UJ
4-amino-2,6-Dinitrotoluene	ug/L	0.13 U	0.13 UJ	0.13 UJ
2-amino-4,6-Dinitrotoluene	ug/L	0.13 U	0.13 UJ	0.13 UJ
2,6-Dinitrotoluene	ug/L	0.13 U	0.13 UJ	0.13 UJ
2,4-Dinitrotoluene	ug/L	0.13 U	0.13 UJ	0.13 UJ

NOTES:

NS stands for NOT SAMPLED

NA stands for NOT ANALYZED

SENECA ARMY DEPOT
SEAD-13 EXPANDED SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID UNITS	WATER SEAD-13 11/03/93 SW13-1 203410	WATER SEAD-13 11/03/93 SW13-2 203411	WATER SEAD-13 11/04/93 SW13-3 203412
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-d-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	26 U	26 U	25 U
2-Chloronaphthalene	ug/L	10 U	10 U	10 U
2-Nitroaniline	ug/L	26 U	26 U	25 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	26 U	26 U	25 U
Acenaphthene	ug/L	10 U	10 U	10 U
2,4-Dinitrophenol	ug/L	26 U	26 U	25 U
4-Nitrophenol	ug/L	26 U	26 U	25 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-phenylether	ug/L	10 U	10 U	10 U
Fluorene	ug/L	10 U	10 U	10 U
4-Nitroaniline	ug/L	26 U	26 U	25 U
4,6-Dinitro-2-methylphenol	ug/L	26 U	26 U	25 U
N-Nitrosodiphenylamine	ug/L	10 U	10 U	10 U
4-Bromophenyl-phenylether	ug/L	10 U	10 U	10 U
Hexachlorobenzene	ug/L	10 U	10 U	10 U
Pentachlorophenol	ug/L	26 U	26 U	25 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-13 EXPANDED SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID UNITS	WATER SEAD-13 11/03/93 SW13-1 203410	WATER SEAD-13 11/03/93 SW13-2 203411	WATER SEAD-13 11/04/93 SW13-3 203412
PESTICIDES/PCB				
alpha-BHC	ug/L	0.051 U	0.051 U	0.054 U
beta-BHC	ug/L	0.051 U	0.051 U	0.054 U
delta-BHC	ug/L	0.051 U	0.051 U	0.054 U
gamma-BHC (Lindane)	ug/L	0.051 U	0.051 U	0.054 U
Heptachlor	ug/L	0.051 U	0.051 U	0.054 U
Aldrin	ug/L	0.051 U	0.051 U	0.054 U
Heptachlor epoxide	ug/L	0.051 U	0.051 U	0.054 U
Endosulfan I	ug/L	0.051 U	0.051 U	0.054 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	0.51 U	0.51 U	0.54 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	0.051 U	0.051 U	0.054 U
gamma-Chlordane	ug/L	0.051 U	0.051 U	0.054 U
Toxaphene	ug/L	5.1 U	5.1 U	5.4 U
Aroclor-1016	ug/L	1 U	1 U	1.1 U
Aroclor-1221	ug/L	2 U	2 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	3830	2410	162 J
Antimony	ug/L	52.8 U	52.8 U	52.6 U
Arsenic	ug/L	1.2 U	1.2 U	1.2 U
Barium	ug/L	91.6 J	50.4 J	31.8 J
Beryllium	ug/L	0.3 U	0.3 U	0.3 U
Cadmium	ug/L	3.3 U	3.3 U	3.3 U
Calcium	ug/L	75300	61400	73200
Chromium	ug/L	5.4 J	2.5 U	2.5 U
Cobalt	ug/L	4.9 U	4.9 U	4.9 U
Copper	ug/L	6.6 J	3.7 U	3.7 U
Iron	ug/L	5790 J	4310 J	458 J
Lead	ug/L	4.4	7.5	0.8 U
Magnesium	ug/L	14200	12800	13200
Manganese	ug/L	268	296	85.3
Mercury	ug/L	0.07 U	0.07 U	0.07 U
Nickel	ug/L	7.1 J	5.5 J	4.1 U
Potassium	ug/L	7200	4740 J	5240
Selenium	ug/L	1.1 U	1.1 U	1.1 U
Silver	ug/L	6.7 UJ	6.7 UJ	6.7 UJ
Sodium	ug/L	62100	53400	70000
Thallium	ug/L	1.2 U	1.2 U	1.2 U
Vanadium	ug/L	6.2 J	3.3 U	3.3 U
Zinc	ug/L	27.7	15.9 J	3.1 U
Cyanide	ug/L	5 U	5 U	5 U
OTHER ANALYSES				
Nitrate/Nitrite-Nitrogen	mg/L	0.1	0.02	0.04
Total Petroleum Hydrocarbons	mg/L	NS	NS	NS
Fluoride	mg/L	0.37	0.39	0.27
pH	standard units	7.68	7.82	7.51
Specific Conductivity	umhos/cm	400	415	485
Turbidity	NTU	NA	NA	NA

SENECA ARMY DEPOT
SEAD-13 EXPANDED SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-13 0-0.5 11/03/93 SD13-1 203406	SOIL SEAD-13 0-0.5 11/03/93 SD13-4 203409 SD13-1DUP	SOIL SEAD-13 0-0.5 11/03/93 SD13-2 203407	SOIL SEAD-13 0-0.5 11/03/93 SD13-3 203408
VOLATILE ORGANICS					
Chloromethane	ug/Kg	38 UJ	28 UJ	43 UJ	28 UJ
Bromomethane	ug/Kg	38 UJ	28 UJ	43 UJ	28 UJ
Vinyl Chloride	ug/Kg	36 UJ	28 UJ	43 UJ	28 UJ
Chloroethane	ug/Kg	36 UJ	28 UJ	43 UJ	28 UJ
Methylene Chloride	ug/Kg	36 UJ	28 UJ	36 UJ	28 UJ
Acetone	ug/Kg	380 J	110 J	150 J	110 J
Carbon Disulfide	ug/Kg	36 UJ	28 UJ	43 UJ	28 UJ
1,1-Dichloroethane	ug/Kg	36 UJ	28 UJ	43 UJ	28 UJ
1,1-Dichloroethane	ug/Kg	36 UJ	28 UJ	43 UJ	28 UJ
1,2-Dichloroethane (total)	ug/Kg	36 UJ	28 UJ	43 UJ	28 UJ
Chloroform	ug/Kg	36 UJ	28 UJ	43 UJ	28 UJ
1,2-Dichloroethane	ug/Kg	36 UJ	28 UJ	43 UJ	28 UJ
2-Butanone	ug/Kg	140 J	28 UJ	43 UJ	28 UJ
1,1,1-Trichloroethane	ug/Kg	36 UJ	28 UJ	43 UJ	28 UJ
Carbon Tetrachloride	ug/Kg	36 UJ	28 UJ	43 UJ	28 UJ
Bromodichloromethane	ug/Kg	36 UJ	28 UJ	43 UJ	28 UJ
1,2-Dichloropropane	ug/Kg	36 UJ	28 UJ	43 UJ	28 UJ
cis-1,3-Dichloropropene	ug/Kg	36 UJ	26 UJ	43 UJ	28 UJ
Trichloroethene	ug/Kg	36 UJ	28 UJ	43 UJ	28 UJ
Dibromochloromethane	ug/Kg	36 UJ	28 UJ	43 UJ	28 UJ
1,1,2-Trichloroethane	ug/Kg	36 UJ	28 UJ	43 UJ	28 UJ
Benzene	ug/Kg	36 UJ	28 UJ	43 UJ	28 UJ
trans-1,3-Dichloropropene	ug/Kg	36 UJ	28 UJ	43 UJ	28 UJ
Bromoform	ug/Kg	36 UJ	28 UJ	43 UJ	28 UJ
4-Methyl-2-Pentanone	ug/Kg	36 UJ	26 UJ	43 UJ	28 UJ
2-Hexanone	ug/Kg	36 UJ	28 UJ	43 UJ	28 UJ
Tetrachloroethene	ug/Kg	36 UJ	28 UJ	43 UJ	28 UJ
1,1,2,2-Tetrachloroethane	ug/Kg	36 UJ	28 UJ	43 UJ	28 UJ
Toluene	ug/Kg	36 UJ	28 UJ	43 UJ	28 UJ
Chlorobenzene	ug/Kg	36 UJ	28 UJ	43 UJ	28 UJ
Ethylbenzene	ug/Kg	36 UJ	28 UJ	43 UJ	28 UJ
Styrene	ug/Kg	36 UJ	28 UJ	43 UJ	28 UJ
Xylene (total)	ug/Kg	36 UJ	28 UJ	43 UJ	28 UJ
MTBE	ug/Kg	NS	NS	NS	NS
HERBICIDES					
2,4-D	ug/Kg	150 UJ	120 UJ	160 UJ	130 UJ
2,4-DB	ug/Kg	150 UJ	120 UJ	160 UJ	130 UJ
2,4,5-T	ug/Kg	15 UJ	12 UJ	16 UJ	13 UJ
2,4,5-TP (Silvex)	ug/Kg	15 UJ	12 UJ	16 UJ	13 UJ
Dalapon	ug/Kg	350 UJ	280 UJ	370 UJ	300 UJ
Dicamba	ug/Kg	15 UJ	12 UJ	16 UJ	13 UJ
Dichloroprop	ug/Kg	150 UJ	120 UJ	160 UJ	130 UJ
Dinoseb	ug/Kg	73 UJ	58 UJ	76 UJ	62 UJ
MCPA	ug/Kg	15000 UJ	12000 UJ	16000 UJ	13000 UJ
MCPP	ug/Kg	15000 UJ	12000 UJ	16000 UJ	13000 UJ
NITROAROMATICS					
HMX	ug/Kg	130 UJ	130 UJ	130 UJ	130 UJ
RDX	ug/Kg	130 UJ	130 UJ	130 UJ	130 UJ
1,3,5-Trinitrobenzene	ug/Kg	130 UJ	130 UJ	130 UJ	130 UJ
1,3-Dinitrobenzene	ug/Kg	130 UJ	130 UJ	130 UJ	130 UJ
Tetryl	ug/Kg	130 UJ	130 UJ	200 J	130 UJ
2,4,6-Trinitrotoluene	ug/Kg	130 UJ	130 UJ	130 UJ	130 UJ
4-amino-2,6-Dinitrotoluene	ug/Kg	130 UJ	130 UJ	130 UJ	130 UJ
2-amino-4,6-Dinitrotoluene	ug/Kg	130 UJ	130 UJ	130 UJ	130 UJ
2,6-Dinitrotoluene	ug/Kg	130 UJ	130 UJ	130 UJ	130 UJ
2,4-Dinitrotoluene	ug/Kg	130 UJ	130 UJ	130 UJ	130 UJ

NOTES:
NS stands for NOT SAMPLED
NA stands for NOT ANALYZED

SENECA ARMY DEPOT
SEAD-13 EXPANDED SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-13 0-0.5 11/03/93 SD13-1 203406	SOIL SEAD-13 0-0.5 11/03/93 SD13-4 203409 SD13-1DUP	SOIL SEAD-13 0-0.5 11/03/93 SD13-2 203407	SOIL SEAD-13 0-0.5 11/03/93 SD13-3 203408
SEMIVOLATILE ORGANICS					
Phenol	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
bis(2-Chloroethyl) ether	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
2-Chlorophenol	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
1,3-Dichlorobenzene	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
1,4-Dichlorobenzene	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
1,2-Dichlorobenzene	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
2-Methylphenol	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
2,2'-oxybis(1-Chloropropane)	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
4-Methylphenol	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
N-Nitroso-d-n-propylamine	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
Hexachloroethane	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
Nitrobenzene	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
Isophorone	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
2-Nitrophenol	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
2,4-Dimethylphenol	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
bis(2-Chloroethoxy) methane	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
2,4-Dichlorophenol	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
1,2,4-Trichlorobenzene	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
Naphthalene	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
4-Chloroaniline	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
Hexachlorobutadiene	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
4-Chloro-3-methylphenol	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
2-Methylnaphthalene	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
Hexachlorocyclopentadiene	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
2,4,6-Trichlorophenol	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
2,4,5-Trichlorophenol	ug/Kg	2400 UJ	1800 UJ	2400 UJ	6600 UJ
2-Chloronaphthalene	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
2-Nitroaniline	ug/Kg	2400 UJ	1800 UJ	2400 UJ	6600 UJ
Dimethylphthalate	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
Acenaphthylene	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
2,6-Dinitrotoluene	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
3-Nitroaniline	ug/Kg	2400 UJ	1800 UJ	2400 UJ	6600 UJ
Acenaphthene	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
2,4-Dinitrophenol	ug/Kg	2400 UJ	1800 UJ	2400 UJ	6600 UJ
4-Nitrophenol	ug/Kg	2400 UJ	1800 UJ	2400 UJ	6600 UJ
Dibenzofuran	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
2,4-Dinitrotoluene	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
Diethylphthalate	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
4-Chlorophenyl-phenylether	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
Fluorene	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
4-Nitroaniline	ug/Kg	2400 UJ	1800 UJ	2400 UJ	6600 UJ
4,6-Dinitro-2-methylphenol	ug/Kg	2400 UJ	1800 UJ	2400 UJ	6600 UJ
N-Nitrosodiphenylamine	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
4-Bromophenyl-phenylether	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
Hexachlorobenzene	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
Pentachlorophenol	ug/Kg	2400 UJ	1600 UJ	2400 UJ	6600 UJ
Phenanthrene	ug/Kg	970 UJ	35 J	990 UJ	2700 UJ
Anthracene	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
Carbazole	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
Di-n-butylphthalate	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
Fluoranthene	ug/Kg	69 J	63 J	990 UJ	2700 UJ
Pyrene	ug/Kg	60 J	54 J	990 UJ	2700 UJ
Butylbenzylphthalate	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
3,3'-Dichlorobenzidine	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
Benzo(a)anthracene	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
Chrysene	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
bis(2-Ethylhexyl)phthalate	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
Di-n-octylphthalate	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
Benzo(b)fluoranthene	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
Benzo(k)fluoranthene	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
Benzo(a)pyrene	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
Indeno(1,2,3-cd)pyrene	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
Dibenz(a,h)anthracene	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ
Benzo(g,h,i)perylene	ug/Kg	970 UJ	760 UJ	990 UJ	2700 UJ

SENECA ARMY DEPOT
SEAD-13 EXPANDED SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-13	SEAD-13	SEAD-13	SEAD-13
	DEPTH (FEET)	0-0.5	0-0.5	0-0.5	0-0.5
	SAMPLE DATE	11/03/93	11/03/93	11/03/93	11/03/93
	ES ID	SD13-1	SD13-4	SD13-2	SD13-3
	LAB ID	203406	203409	203407	203408
	UNITS		SD13-1DUP		
PESTICIDES/PCB					
alpha-BHC	ug/Kg	5 UJ	3.9 UJ	5.2 UJ	4.2 UJ
beta-BHC	ug/Kg	5 UJ	3.9 UJ	5.2 UJ	4.2 UJ
delta-BHC	ug/Kg	5 UJ	3.9 UJ	5.2 UJ	4.2 UJ
gamma-BHC (Lindane)	ug/Kg	5 UJ	3.9 UJ	5.2 UJ	4.2 UJ
Heptachlor	ug/Kg	5 UJ	3.9 UJ	5.2 UJ	4.2 UJ
Aldrin	ug/Kg	5 UJ	3.9 UJ	5.2 UJ	4.2 UJ
Heptachlor epoxide	ug/Kg	5 UJ	3.9 UJ	5.2 UJ	4.2 UJ
Endosulfan I	ug/Kg	5 UJ	3.9 UJ	5.2 UJ	4.2 UJ
Dieldrin	ug/Kg	9.8 UJ	7.6 UJ	10 UJ	8.2 UJ
4,4'-DDE	ug/Kg	9.6 UJ	7.6 UJ	10 UJ	8.2 UJ
Endrin	ug/Kg	9.6 UJ	7.6 UJ	10 UJ	8.2 UJ
Endosulfan II	ug/Kg	9.8 UJ	7.8 UJ	10 UJ	8.2 UJ
4,4'-DDD	ug/Kg	9.8 UJ	7.8 UJ	10 UJ	8.2 UJ
Endosulfan sulfate	ug/Kg	9.8 UJ	7.6 UJ	10 UJ	8.2 UJ
4,4'-DDT	ug/Kg	9.8 UJ	7.8 UJ	10 UJ	8.2 UJ
Methoxychlor	ug/Kg	50 UJ	39 UJ	52 UJ	42 UJ
Endrin ketone	ug/Kg	9.6 UJ	7.6 UJ	10 UJ	8.2 UJ
Endrin aldehyde	ug/Kg	9.6 UJ	7.6 UJ	10 UJ	8.2 UJ
alpha-Chlordane	ug/Kg	5 UJ	3.9 UJ	5.2 UJ	4.2 UJ
gamma-Chlordane	ug/Kg	5 UJ	3.9 UJ	5.2 UJ	4.2 UJ
Toxaphene	ug/Kg	500 UJ	390 UJ	520 UJ	420 UJ
Aroclor-1016	ug/Kg	98 UJ	78 UJ	100 UJ	82 UJ
Aroclor-1221	ug/Kg	200 UJ	150 UJ	200 UJ	170 UJ
Aroclor-1232	ug/Kg	96 UJ	76 UJ	100 UJ	82 UJ
Aroclor-1242	ug/Kg	96 UJ	76 UJ	100 UJ	82 UJ
Aroclor-1248	ug/Kg	96 UJ	76 UJ	100 UJ	82 UJ
Aroclor-1254	ug/Kg	96 UJ	76 UJ	100 UJ	82 UJ
Aroclor-1260	ug/Kg	96 UJ	76 UJ	100 UJ	82 UJ
METALS					
Aluminum	mg/Kg	14500 J	18200 J	18900 J	17800 J
Antimony	mg/Kg	27.2 UJ	20.6 UJ	31.5 UJ	21.2 UJ
Arsenic	mg/Kg	4.2 R	4.3 R	2.2 R	3.7 R
Barium	mg/Kg	97.2 J	134 J	112 J	182 J
Beryllium	mg/Kg	0.67 J	0.95 J	0.77 J	1 J
Cadmium	mg/Kg	1.7 UJ	1.3 UJ	2 UJ	1.3 UJ
Calcium	mg/Kg	7000 J	5750 J	5780 J	7200 J
Chromium	mg/Kg	21.7 J	26.9 J	23.3 J	28.1 J
Cobalt	mg/Kg	8.7 J	10.8 J	9.1 J	11.3 J
Copper	mg/Kg	18.5 J	20.7 J	18.3 J	20.6 J
Iron	mg/Kg	19400 J	28100 J	21100 J	27200 J
Lead	mg/Kg	18.1 J	25.7 J	25.4 J	8.5 J
Magnesium	mg/Kg	4100 J	4810 J	3980 J	4680 J
Manganese	mg/Kg	235 J	428 J	381 J	424 J
Mercury	mg/Kg	0.03 J	0.06 J	0.09 J	0.02 UJ
Nickel	mg/Kg	24.8 J	30.8 J	25.7 J	31.1 J
Potassium	mg/Kg	2350 J	2210 J	2210 J	2040 J
Selenium	mg/Kg	0.49 J	0.37 J	0.54 UJ	0.42 J
Silver	mg/Kg	3.4 UJ	3.2 J	4 UJ	2.7 UJ
Sodium	mg/Kg	299 J	328 J	292 J	244 J
Thallium	mg/Kg	0.5 UJ	0.35 UJ	0.59 UJ	0.3 UJ
Vanadium	mg/Kg	28.3 J	33.6 J	31.5 J	31.8 J
Zinc	mg/Kg	91 UJ	111 R	105 R	93.2 R
Cyanide	mg/Kg	1.4 UJ	1.1 UJ	1.4 UJ	1.1 UJ
OTHER ANALYSES					
Nitrate/Nitrite-Nitrogen	mg/Kg	0.09	0.18	0.15	0.05
Total Solids	%W/W	33.8	43.4	32.9	40.1
Total Petroleum Hydrocarbons	mg/Kg	NS	NS	NS	NS
Fluoride	mg/Kg	186	194	210	270
pH	standard units	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-16 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-16 0-0.2 10/20/93 SS16-1 201880	SOIL SEAD-16 0-0.2 10/20/93 SS16-2 201881	SOIL SEAD-16 0-0.2 10/22/93 SS16-3 202032	SOIL SEAD-16 0-0.2 10/20/93 SS16-4 201882	SOIL SEAD-16 0-0.2 10/20/93 SS16-5 201883	SOIL SEAD-16 0-0.2 10/20/93 SS16-6 201884	SOIL SEAD-16 0-0.2 10/20/93 SS16-7 201885	SOIL SEAD-16 0-0.2 10/20/93 SS16-8 201886	SOIL SEAD-16 0-0.2 11/09/93 SS16-9 204033	SOIL SEAD-16 0-0.2 11/09/93 SS16-10 204034	
VOLATILE ORGANICS											
Chloromethane	ug/Kg 11 U	12 U	11 U	11 U	11 U	10 U	53 U	10 U	11 U	11 U	
Bromomethane	ug/Kg 11 U	12 U	11 U	11 U	11 U	10 U	53 U	10 U	11 U	11 U	
Vinyl Chloride	ug/Kg 11 U	12 U	11 U	11 U	11 U	10 U	53 U	10 U	11 U	11 U	
Chloroethane	ug/Kg 11 U	12 U	11 U	11 U	11 U	10 U	53 U	10 U	11 U	11 U	
Methylene Chloride	ug/Kg 11 U	12 U	11 U	11 U	2 J	10 U	53 U	10 U	11 U	11 U	
Acetone	ug/Kg 11 U	12 U	11 U	17	11 U	10 U	53 U	10 U	11 U	11 U	
Carbon Disulfide	ug/Kg 11 U	1 J	11 U	11 U	11 U	10 U	53 U	10 U	11 U	11 U	
1,1-Dichloroethane	ug/Kg 11 U	12 U	11 U	11 U	11 U	10 U	53 U	10 U	11 U	11 U	
1,1-Dichloroethane	ug/Kg 11 U	12 U	11 U	11 U	11 U	10 U	53 U	10 U	11 U	11 U	
1,2-Dichloroethane (total)	ug/Kg 11 U	12 U	11 U	11 U	11 U	10 U	53 U	10 U	11 U	11 U	
Chloroform	ug/Kg 11 U	12 U	11 U	11 U	11 U	2 J	53 U	10 U	11 U	11 U	
1,2-Dichloroethane	ug/Kg 11 U	12 U	11 U	11 U	11 U	10 U	53 U	10 U	11 U	11 U	
2-Butanone	ug/Kg 11 U	12 U	11 U	11 U	11 U	10 U	53 U	10 U	11 U	11 U	
1,1,1-Trichloroethane	ug/Kg 11 U	12 U	11 U	11 U	11 U	10 U	53 U	10 U	11 U	11 U	
Carbon Tetrachloride	ug/Kg 11 U	12 U	11 U	11 U	11 U	10 U	53 U	10 U	11 U	11 U	
Bromodichloromethane	ug/Kg 11 U	12 U	11 U	11 U	11 U	10 U	53 U	10 U	11 U	11 U	
1,2-Dichloropropane	ug/Kg 11 U	12 U	11 U	11 U	11 U	10 U	53 U	10 U	11 U	11 U	
cis-1,3-Dichloropropene	ug/Kg 11 U	12 U	11 U	11 U	11 U	10 U	53 U	10 U	11 U	11 U	
Trichloroethene	ug/Kg 11 U	12 U	11 U	11 U	11 U	10 U	53 U	10 U	11 U	11 U	
Dibromochloromethane	ug/Kg 11 U	12 U	11 U	11 U	11 U	10 U	53 U	10 U	11 U	11 U	
1,1,2-Trichloroethane	ug/Kg 11 U	12 U	11 U	11 U	11 U	10 U	53 U	10 U	11 U	11 U	
Benzene	ug/Kg 11 U	12 U	11 U	11 U	11 U	10 U	53 U	10 U	11 U	11 U	
trans-1,3-Dichloropropene	ug/Kg 11 U	12 U	11 U	11 U	11 U	10 U	53 U	10 U	11 U	11 U	
Bromoform	ug/Kg 11 U	12 U	11 U	11 U	11 U	10 U	53 U	10 U	11 U	11 U	
4-Methyl-2-Pentanone	ug/Kg 11 U	12 U	11 U	11 U	11 U	10 U	53 U	10 U	11 U	11 U	
2-Hexanone	ug/Kg 11 U	12 U	11 U	11 U	11 U	10 U	53 U	10 U	11 U	11 U	
Tetrachloroethene	ug/Kg 11 U	12 U	11 U	11 U	11 U	10 U	53 U	10 U	11 U	11 U	
1,1,2,2-Tetrachloroethane	ug/Kg 11 U	12 U	11 U	11 U	11 U	10 U	53 U	10 U	11 U	11 U	
Toluene	ug/Kg 11 U	12 U	4 J	11 U	5 J	3 J	53 U	2 J	11 U	11 U	
Chlorobenzene	ug/Kg 11 U	12 U	11 U	11 U	11 U	10 U	53 U	10 U	11 U	11 U	
Ethylbenzene	ug/Kg 11 U	12 U	11 U	11 U	11 U	10 U	53 U	10 U	11 U	11 U	
Styrene	ug/Kg 11 U	12 U	11 U	11 U	11 U	10 U	53 U	10 U	11 U	11 U	
Xylene (total)	ug/Kg 11 U	12 U	11 U	11 U	11 U	10 U	53 U	10 U	11 U	11 U	
MTBE	ug/Kg NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
HERBICIDES											
2,4-D	ug/Kg 54 U	63 U	80 U	55 U	57 U	53 U	53 U	53 U	55 U	54 U	
2,4-DB	ug/Kg 54 U	63 U	60 U	55 U	57 U	53 U	53 U	53 U	55 U	54 U	
2,4,5-T	ug/Kg 5.4 U	6.3 U	7.2	5.5 U	5.7 U	5.3 U	5.3 U	5.3 U	5.5 U	5.4 U	
2,4,5-TP (Silvex)	ug/Kg 5.4 U	6.3 U	6 U	5.5 U	5.7 U	5.3 U	5.3 U	5.3 U	5.5 U	5.4 U	
Dalapon	ug/Kg 130 U	150 U	150 U	140 U	140 U	130 U	130 U	130 U	130 U	130 U	
Dicamba	ug/Kg 5.4 U	6.3 U	6 U	5.5 U	5.7 U	5.3 U	5.3 U	5.3 U	5.5 U	5.4 U	
Dichloroprop	ug/Kg 54 U	63 U	60 U	55 U	57 U	53 U	53 U	53 U	55 U	54 U	
Dinoseb	ug/Kg 27 U	32 U	30 U	28 U	29 U	27 U	27 U	27 U	28 U	27 U	
MCPA	ug/Kg 5400 U	6300 U	6000 U	5500 U	5700 U	5300 U	5300 U	5300 U	5500 U	5400 U	
MCPP	ug/Kg 5400 U	6300 U	6000 U	5500 U	56000 U	5300 U	5300 U	5300 U	5500 U	5400 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	220 J	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	430 J	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 320	500	1100	170	780 J	130 U	130 U	770	450 J	130 U	

NOTES:
NS stands for NOT SAMPLED
NA stands for NOT ANALYZED

SENECA ARMY DEPOT
SEAD-16 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

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SEMIVOLATILE ORGANICS											
Phend	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
bis(2-Chloroethyl) ether	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
2-Chlorophend	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
1,3-Dichlorobenzene	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
1,4-Dichlorobenzene	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
1,2-Dichlorobenzene	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
2-Methylphenol	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
4-Methylphenol	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
N-Nitroso-di-n-propylamine	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Hexachloroethane	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Nitrobenzene	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Isophorone	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
2-Nitrophenol	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
2,4-Dimethylphenol	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
bis(2-Chloroethoxy) methane	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
2,4-Dichlorophenol	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
1,2,4-Trichlorobenzene	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Naphthalene	ug/Kg	710 U R	230 J	320 J	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
4-Chloroaniline	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Hexachlorobutadiene	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
4-Chloro-3-methylphenol	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
2-Methylnaphthalene	ug/Kg	710 U R	350 J	510 J	7200 U	97 J	14000 U	1300 U	1800 U	2700 U	1800 U
Hexachlorocyclopentadiene	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
2,4,6-Trichlorophenol	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
2,4,5-Trichlorophenol	ug/Kg	1700 U R	1000 U	2700 U	18000 U	1800 U	34000 U	3100 U	4200 U	6600 U	4300 U
2-Chloronaphthalene	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
2-Nitroaniline	ug/Kg	1700 U R	1000 U	2700 U	18000 U	1800 U	34000 U	3100 U	4200 U	6600 U	4300 U
Dimethylphthalate	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Acenaphthylene	ug/Kg	70 J	65 J	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
2,8-Dinitrotoluene	ug/Kg	180 J	410 U	310 J	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
3-Nitroaniline	ug/Kg	1700 U R	1000 U	2700 U	18000 U	1800 U	34000 U	3100 U	4200 U	6600 U	4300 U
Acenaphthene	ug/Kg	710 U R	410 U	1100 U	7200 U	44 J	14000 U	1300 U	1800 U	2700 U	1800 U
2,4-Dinitrophenol	ug/Kg	1700 U R	1000 U	2700 U	18000 U	1800 U	34000 U	3100 U	4200 U	6600 U	4300 U
4-Nitrophenol	ug/Kg	1700 U R	1000 U	2700 U	18000 U	1800 U	34000 U	3100 U	4200 U	6600 U	4300 U
Dibenzofuran	ug/Kg	710 U R	100 J	110 J	7200 U	82 J	14000 U	1300 U	1800 U	2700 U	1800 U
2,4-Dinitrotoluene	ug/Kg	2200 J	760	7100	7200 U	530 J	14000 U	1300 U	1800 U	2700 U	1800 U
Diethylphthalate	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
4-Chlorophenyl-phenylether	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Fluorene	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
4-Nitroaniline	ug/Kg	1700 U R	1000 U	2700 U	18000 U	1800 U	34000 U	3100 U	4200 U	6600 U	4300 U
4,6-Dinitro-2-methylphenol	ug/Kg	1700 U R	1000 U	2700 U	18000 U	1800 U	34000 U	3100 U	4200 U	6600 U	4300 U
N-Nitrosodiphenylamine	ug/Kg	680 J	150 J	1400	7200 U	130 J	14000 U	1300 U	350 J	2700 U	1800 U
4-Bromophenyl-phenylether	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Hexachlorobenzene	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Pentachlorophenol	ug/Kg	1700 U R	1000 U	2700 U	18000 U	1800 U	34000 U	3100 U	4200 U	6600 U	4300 U
Phenanthrene	ug/Kg	140 J	420	360 J	7200 U	410 J	14000 U	1300 U	1800 U	2700 U	1800 U
Anthracene	ug/Kg	82 J	55 J	1100 U	7200 U	70 J	14000 U	1300 U	1800 U	2700 U	1800 U
Carbazole	ug/Kg	710 U R	48 J	1100 U	7200 U	78 J	14000 U	1300 U	1800 U	2700 U	1800 U
Di-n-butylphthalate	ug/Kg	1300 J	710	1200	7200 U	350 J	14000 U	1300 U	1400 J	510 J	120 J
Fluoranthene	ug/Kg	470 J	580	200 J	7200 U	710 J	14000 U	1300 U	1800 U	2700 U	1800 U
Pyrene	ug/Kg	980 J	520	200 J	7200 U	550 J	14000 U	1300 U	1800 U	2700 U	1800 U
Butylbenzylphthalate	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
3,3'-Dichlorobenzidine	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Benzo(a)anthracene	ug/Kg	420 J	260 J	110 J	7200 U	240 J	14000 U	1300 U	1800 U	2700 U	1800 U
Chrysene	ug/Kg	500 J	470	200 J	7200 U	340 J	14000 U	1300 U	1800 U	2700 U	1800 U
bis(2-Ethylhexyl)phthalate	ug/Kg	710 U R	410 U	390 J	7200 U	450 J	14000 U	1300 U	1800 U	2700 U	1800 U
Di-n-octylphthalate	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Benzo(b)fluoranthene	ug/Kg	480 J	500	170 J	7200 U	350 J	14000 U	1300 U	1800 U	2700 U	1800 U
Benzo(k)fluoranthene	ug/Kg	740 J	310 J	97 J	7200 U	330 J	14000 U	1300 U	1800 U	2700 U	1800 U
Benzo(a)pyrene	ug/Kg	560 J	300 J	120 J	7200 U	270 J	14000 U	1300 U	1800 U	2700 U	1800 U
Indeno(1,2,3-cd)pyrene	ug/Kg	710 U R	30 J	1100 U	7200 U	200 J	14000 U	1300 U	1800 U	2700 U	1800 U
Dibenz(b,h)anthracene	ug/Kg	710 U R	410 U	1100 U	7200 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Benzo(g,h,i)perylene	ug/Kg	160 J	130 J	1100 U	7200 U	180 J	14000 U	1300 U	1800 U	2700 U	1800 U

SENECA ARMY DEPOT
SEAD-16 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-16 0-0.2 10/20/93 SS16-1 201880	SOIL SEAD-16 0-0.2 10/20/93 SS16-2 201881	SOIL SEAD-16 0-0.2 10/22/93 SS16-3 202032	SOIL SEAD-16 0-0.2 10/20/93 SS16-4 201882	SOIL SEAD-16 0-0.2 10/20/93 SS16-5 201883	SOIL SEAD-16 0-0.2 10/20/93 SS16-6 201884	SOIL SEAD-16 0-0.2 10/20/93 SS16-7 201885	SOIL SEAD-16 0-0.2 10/20/93 SS16-8 201886	SOIL SEAD-16 0-0.2 11/09/93 SS16-9 204033	SOIL SEAD-16 0-0.2 11/09/93 SS16-10 204034
PESTICIDES/PCB											
alpha-BHC	ug/Kg	1.8 UJ	2.1 U R	2 UJ	19 U	9.7 U	1.8 UJ	1.8 U	3.6 U	1.8 UJ	1.8 UJ
beta-BHC	ug/Kg	1.8 UJ	2.1 U R	1.3 J	19 U	9.7 U	1.8 UJ	1.8 U	3.6 U	1.8 UJ	1.8 UJ
delta-BHC	ug/Kg	1.8 UJ	2.1 U R	2 UJ	19 U	9.7 U	1.8 UJ	1.8 U	3.6 U	1.8 UJ	1.8 UJ
gamma-BHC (Lindane)	ug/Kg	1.8 UJ	2.1 U R	2 UJ	19 U	9.7 U	1.8 UJ	1.8 U	3.6 U	1.8 UJ	1.8 UJ
Heptachlor	ug/Kg	1.8 UJ	2.1 U R	2 UJ	19 U	9.7 U	1.8 UJ	1.8 U	3.6 U	1.8 UJ	1.8 UJ
Aldrin	ug/Kg	1.8 UJ	2.1 U R	2.8 J	19 U	9.7 U	1.8 UJ	1.8 U	3.6 U	1.8 UJ	1.8 UJ
Heptachlor epoxide	ug/Kg	1.8 UJ	2.1 U R	2 UJ	19 U	9.7 U	1.8 UJ	1.8 U	3.6 U	1.8 UJ	1.8 UJ
Endosulfan I	ug/Kg	14 J	3.4 J	2 UJ	19 U	6.2 J	1.8 UJ	1.8 U	1.9 J	1.8 UJ	1.8 UJ
Dieldrin	ug/Kg	3.5 UJ	4.1 U R	3.9 UJ	36 U	19 U	3.5 UJ	3.5 U	7 U	3.5 UJ	3.6 UJ
4,4'-DDE	ug/Kg	19 J	9.4 J	32 J	1400	130	3.5 UJ	6.3	84 J	2.8 J	3.6 UJ
Endrin	ug/Kg	3.5 UJ	4.1 U R	3.9 UJ	36 U	19 U	3.5 UJ	3.5 U	7 U	3.5 UJ	3.6 UJ
Endosulfan II	ug/Kg	4.4 J	4.1 U R	4.6 J	36 U	19 U	3.5 UJ	2.2 J	7 U	3.5 UJ	3.6 UJ
4,4'-DDD	ug/Kg	5 J	4.1 U R	3.9 UJ	36 U	19 U	3.5 UJ	3.5 U	7 U	3.5 UJ	3.6 UJ
Endosulfan sulfate	ug/Kg	3.5 UJ	4.1 U R	3.9 UJ	36 U	19 U	3.5 UJ	3.5 U	7 U	3.5 UJ	3.6 UJ
4,4'-DDT	ug/Kg	12 J	8.1 J	16 J	180	29	1.8 J	5.6	79 J	2.9 J	3.6 UJ
Methoxychlor	ug/Kg	18 UJ	21 U R	20 UJ	190 U	97 U	18 UJ	18 U	38 U	18 UJ	18 UJ
Endrin ketone	ug/Kg	3.4 J	4.1 U R	3.3 J	36 U	19 U	3.5 UJ	3.5 U	7 U	3.5 UJ	3.6 UJ
Endrin aldehyde	ug/Kg	3 J	4.1 U R	3.9 UJ	36 U	19 U	3.5 UJ	3.5 U	7 U	3.5 UJ	3.6 UJ
alpha-Chlordane	ug/Kg	1.8 UJ	2.1 U R	4.7 J	19 U	9.7 U	1.8 UJ	6.1	3.6 U	1.8 UJ	1.8 UJ
gamma-Chlordane	ug/Kg	1.8 UJ	2.1 U R	4.7 J	19 U	9.7 U	1.8 UJ	7	3.8 U	1.8 UJ	1.8 UJ
Toxaphene	ug/Kg	180 UJ	210 U R	200 UJ	1900 U	970 U	180 UJ	180 U	360 U	180 UJ	180 UJ
Aroclor-1016	ug/Kg	35 UN	41 U R	39 UJ	360 U	190 U	35 UJ	35 U	70 UN	35 UJ	36 UJ
Aroclor-1221	ug/Kg	72 UN	84 U R	80 UJ	740 U	380 U	71 UJ	71 U	140 UN	72 UJ	73 UJ
Aroclor-1232	ug/Kg	35 UN	41 U R	39 UJ	360 U	190 U	35 UJ	35 U	70 UN	35 UJ	36 UJ
Aroclor-1242	ug/Kg	35 UN	41 U R	39 UJ	360 U	190 U	35 UJ	35 U	70 UN	35 UJ	36 UJ
Aroclor-1248	ug/Kg	35 UN	41 U R	39 UJ	360 U	190 U	35 UJ	35 U	70 UN	35 UJ	36 UJ
Aroclor-1254	ug/Kg	30 NJ	41 U R	39 UJ	360 U	190 U	35 UJ	35 U	57 NJ	35 UJ	36 UJ
Aroclor-1260	ug/Kg	35 UN	41 U R	110 J	360 U	190 U	35 UJ	35 U	70 UN	35 UJ	36 UJ
METALS											
Aluminum	mg/Kg	6550	6340	7250	11900	13600	9650	8670	7600	10700	9720
Antimony	mg/Kg	17.1	55.8	121	R	26.3	7.9 U	8.8 U	6.2 U	7 U	6.6 U
Arsenic	mg/Kg	4.9	16.8	23.6	R	11.3	5.1	5	5.2	4.2 J	5.2 J
Barium	mg/Kg	102	1200	1540	R	227	630	45.1	72.2	53.6	33.6
Beryllium	mg/Kg	0.32 J	0.42 J	0.39 J		0.45 J	0.24 J	0.29 J	0.39 J	0.43 J	0.36 J
Cadmium	mg/Kg	0.44 U	1.6	2.5		0.55 U	2.8	0.49 U	0.55 U	0.43 U	R
Calcium	mg/Kg	147000	11700	21400	55600	37100	25600	36600	107000	35400	R
Chromium	mg/Kg	12.6	16.5	33.3		24	43.3	12.9	11.9	17.6	13.9
Cobalt	mg/Kg	6.2 J	6.7 J	9.1		11.9	13.4	7.9	7.5 J	8.1	7.6
Copper	mg/Kg	44	911	1730		399	635	26.2	28.9	88.9	31.4 J
Iron	mg/Kg	12300	25900	25700	27700	36500	22100	20000	16700	22400	23200
Lead	mg/Kg	269	3780	9140		2940	2660	8.5	81.2	1890	76.2
Magnesium	mg/Kg	34900	4400	4300	8690	7930	7710	13800	9940	15300	5500
Manganese	mg/Kg	355 J	178 J	4140	411 J	444 J	305 J	478 J	333 J	349	342
Mercury	mg/Kg	0.2	4	11.4 J		0.21	0.03 U	0.04 U	0.08	0.05 J	0.02 U
Nickel	mg/Kg	23	21.7	37.3		41.6	148	22.7	21.7	28.7	22.4
Potassium	mg/Kg	1290	673 J	886	1250	1410	720 J	794 J	1150	1160	813
Selenium	mg/Kg	0.15 UJ	0.4 J	0.22 UJ	0.2 UJ	0.22 UJ	0.13 UJ	0.13 UJ	0.21 UJ	0.19 UJ	0.22 UJ
Silver	mg/Kg	0.9 U	1.5 U	1.1 UJ		1.1 U	1 U	1 U	1 U	0.88 UJ	0.84 UJ
Sodium	mg/Kg	213 J	121 J	147 J		132 J	79.6 J	109 J	170 J	125 J	49.7 J
Thallium	mg/Kg	1.6 U	0.19 U	0.24 U	0.22 U	0.24 U	0.14 U	0.14 U	0.23 U	0.21 UJ	0.24 UJ
Vanadium	mg/Kg	36.9	14.5	17.9	20.3	23.9	38.1	35.7	34.5	22.8	16.9
Zinc	mg/Kg	219	478	929	416	562	65.8	66.1	105	78.8 J	65.8 J
Cyanide	mg/Kg	0.64 U	0.74 U	0.68 U	0.6 U	0.63 U	0.58 U	0.6 U	0.58 U	0.52 U	0.53 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg	0.05	0.9	0.26	0.45	0.5	0.42	0.05	0.23	0.01 U	0.07
Total Solids	%W/W	92.9	80.3	84.4	90.8	88.3	94.5	94.2	94.2	92.6	91.7
Total Petroleum Hydrocarbons	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoride	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
pH	standard units	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

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SEAD-16 EXPANDED SITE INSPECTION
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MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID COMPOUND UNITS	SOIL SEAD-16 0-0.2 10/20/93 SS16-11 201889	SOIL SEAD-16 0-0.2 10/20/93 SS16-12 201890	SOIL SEAD-16 0-0.2 10/20/93 SS16-12RE 201890	SOIL SEAD-16 0-0.2 10/20/93 SS16-13 201891	SOIL SEAD-16 0-0.2 10/20/93 SS16-13RE 201891	SOIL SEAD-16 0-0.2 10/20/93 SS16-14 201892	SOIL SEAD-16 0-0.2 10/20/93 SS16-15 201893	SOIL SEAD-16 0-0.2 10/20/93 SS16-15RE 201893	SOIL SEAD-16 0-0.2 10/20/93 SS16-16 201894	SOIL SEAD-16 0-0.2 10/20/93 SS16-16RE 201894	
VOLATILE ORGANICS											
Chloromethane	ug/Kg	13 U	11 UJ	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 U R	11 U	NS
Bromomethane	ug/Kg	13 U	11 UJ	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 U R	11 U	NS
Vinyl Chloride	ug/Kg	13 U	11 UJ	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 U R	11 U	NS
Chloroethane	ug/Kg	13 U	11 UJ	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 U R	11 U	NS
Methylene Chloride	ug/Kg	13 U	3 J	11 UJ	11 UJ	11 UJ	3 J	11 UJ	11 U R	11 U	NS
Acetone	ug/Kg	13 U	11 UJ	11 UJ	11 UJ	11 UJ	11 U	11 UJ	43 J	11 U	NS
Carbon Disulfide	ug/Kg	13 U	11 UJ	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 U R	11 U	NS
1,1-Dichloroethane	ug/Kg	13 U	11 UJ	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 U R	11 U	NS
1,1-Dichloroethane	ug/Kg	13 U	11 UJ	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 U R	11 U	NS
1,2-Dichloroethane (total)	ug/Kg	13 U	11 UJ	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 U R	11 U	NS
Chloroform	ug/Kg	13 U	11 UJ	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 U R	11 U	NS
1,2-Dichloroethane	ug/Kg	13 U	11 UJ	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 U R	11 U	NS
2-Butanone	ug/Kg	13 U	11 UJ	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 U R	11 U	NS
1,1,1-Trichloroethane	ug/Kg	13 U	11 UJ	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 U R	11 U	NS
Carbon Tetrachloride	ug/Kg	13 U	11 UJ	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 U R	11 U	NS
Bromodichloromethane	ug/Kg	13 U	11 UJ	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 U R	11 U	NS
1,2-Dichloropropane	ug/Kg	13 U	11 UJ	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 U R	11 U	NS
cis-1,3-Dichloropropene	ug/Kg	13 U	11 UJ	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 U R	11 U	NS
Trichloroethene	ug/Kg	13 U	11 UJ	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 U R	11 U	NS
Dibromochloromethane	ug/Kg	13 U	11 UJ	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 U R	11 U	NS
1,1,2-Trichloroethane	ug/Kg	13 U	11 UJ	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 U R	11 U	NS
Benzene	ug/Kg	13 U	11 UJ	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 U R	11 U	NS
trans-1,3-Dichloropropene	ug/Kg	13 U	11 UJ	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 U R	11 U	NS
Bromofom	ug/Kg	13 U	11 UJ	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 U R	11 U	NS
4-Methyl-2-Pentanone	ug/Kg	13 U	11 UJ	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 U R	11 U	NS
2-Hexanone	ug/Kg	13 U	11 UJ	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 U R	11 U	NS
Tetrachloroethene	ug/Kg	13 U	11 UJ	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 U R	11 U	NS
1,1,2,2-Tetrachloroethane	ug/Kg	13 U	11 UJ	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 U R	11 U	NS
Toluene	ug/Kg	13 U	2 J	1 J	11 UJ	11 UJ	4 J	11 UJ	11 U R	11 U	NS
Chlorobenzene	ug/Kg	13 U	11 UJ	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 U R	11 U	NS
Ethylbenzene	ug/Kg	13 U	11 UJ	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 U R	11 U	NS
Styrene	ug/Kg	13 U	11 UJ	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 U R	11 U	NS
Xylene (total)	ug/Kg	13 U	11 UJ	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 U R	11 U	NS
MTBE	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES											
2,4-D	ug/Kg	67 U	55 U	NS	57 U	NS	56 U	54 U	NS	56 U	NS
2,4-DB	ug/Kg	67 U	55 U	NS	57 U	NS	56 U	54 U	NS	56 U	NS
2,4,5-T	ug/Kg	67 U	5.5 U	NS	5.7 U	NS	8.3	5.4 U	NS	5.6 U	NS
2,4,5-TP (Silvex)	ug/Kg	67 U	5.5 U	NS	5.7 U	NS	5.6 U	5.4 U	NS	5.6 U	NS
Dalapon	ug/Kg	160 U	140 U	NS	140 U	NS	140 U	130 U	NS	140 U	NS
Dicamba	ug/Kg	67 U	5.5 U	NS	5.7 U	NS	5.6 U	5.4 U	NS	5.6 U	NS
Dichloroprop	ug/Kg	67 U	55 U	NS	57 U	NS	56 U	54 U	NS	56 U	NS
Dinoseb	ug/Kg	34 U	28 U	NS	29 U	NS	28 U	27 U	NS	28 U	NS
MCPA	ug/Kg	6700 U	5500 U	NS	5700 U	NS	5600 U	5400 U	NS	5600 U	NS
MCPP	ug/Kg	6700 U	5500 U	NS	5700 U	NS	5600 U	5400 U	NS	5600 U	NS
NITROAROMATICS											
HMX	ug/Kg	130 U	130 U	NS	130 U	NS	130 U	130 U	NS	130 U	NS
RDX	ug/Kg	130 U	130 U	NS	130 U	NS	130 U	130 U	NS	130 U	NS
1,3,5-Trinitrobenzene	ug/Kg	130 U	130 U	NS	130 U	NS	130 U	130 U	NS	130 U	NS
1,3-Dinitrobenzene	ug/Kg	130 U	130 U	NS	130 U	NS	130 U	130 U	NS	130 U	NS
Tetryl	ug/Kg	130 U	130 U	NS	130 U	NS	130 U	130 U	NS	130 U	NS
2,4,6-Trinitrotoluene	ug/Kg	130 U	130 U	NS	130 U	NS	130 U	130 U	NS	130 U	NS
4-amino-2,6-Dinitrotoluene	ug/Kg	130 U	130 U	NS	130 U	NS	130 U	130 U	NS	130 U	NS
2-amino-4,6-Dinitrotoluene	ug/Kg	130 U	130 U	NS	130 U	NS	130 U	130 U	NS	130 U	NS
2,6-Dinitrotoluene	ug/Kg	130 U	130 U	NS	130 U	NS	130 U	130 U	NS	130 U	NS
2,4-Dinitrotoluene	ug/Kg	130 U	130 U	NS	130 U	NS	1200	130 U	NS	150	NS

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SEMIVOLATILE ORGANICS										
Phend	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
bis(2-Chloroethyl) ether	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
2-Chlorophend	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
1,3-Dichlorobenzene	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
1,4-Dichlorobenzene	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
1,2-Dichlorobenzene	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
2-Methylphend	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
2,2'-oxybis(1-Chloropropane)	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
4-Methylphend	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
N-Nitroso-d-n-propylamine	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
Hexachloroethane	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
Nitrobenzene	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
Isophorone	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
2-Nitrophenol	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
2,4-Dimethylphend	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
bis(2-Chloroethoxy) methane	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
2,4-Dichlorophenol	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
1,2,4-Trichlorobenzene	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
Naphthalene	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
4-Chloroaniline	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
Hexachlorobutadiene	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
4-Chloro-3-methylphenol	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
2-Methylnaphthalene	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
Hexachlorocyclopentadiene	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
2,4,6-Trichlorophenol	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
2,4,5-Trichlorophenol	ug/Kg	1100 U	880 U	NS	1800 U	NS	890 U	860 U	NS	4500 UJ
2-Chloronaphthalene	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
2-Nitroaniline	ug/Kg	1100 U	880 U	NS	1800 U	NS	890 U	860 U	NS	4500 UJ
Dimethylphthalate	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
Aceraphthylene	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
2,6-Dinitrotoluene	ug/Kg	440 U	360 U	NS	750 U	NS	58 J	350 U	NS	1800 UJ
3-Nitroaniline	ug/Kg	1100 U	880 U	NS	1800 U	NS	890 U	860 U	NS	4500 UJ
Aceraphthene	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
2,4-Dinitrophenol	ug/Kg	1100 U	880 U	NS	1800 U	NS	890 U	860 U	NS	4500 UJ
4-Nitrophenol	ug/Kg	1100 U	880 U	NS	1800 U	NS	890 U	860 U	NS	4500 UJ
Dibenzofuran	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
2,4-Dinitrotoluene	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
Diethylphthalate	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
4-Chlorophenyl-phenylether	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
Fluorene	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
4-Nitroaniline	ug/Kg	1100 U	880 U	NS	1800 U	NS	890 U	860 U	NS	4500 UJ
4,6-Dinitro-2-methylphenol	ug/Kg	1100 U	880 U	NS	1800 U	NS	890 U	860 U	NS	4500 UJ
N-Nitrosodiphenylamine	ug/Kg	22 J	360 U	NS	43 J	NS	17 J	350 U	NS	1800 UJ
4-Bromophenyl-phenylether	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
Hexachlorobenzene	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
Pentachlorophend	ug/Kg	1100 U	880 U	NS	1800 U	NS	890 U	860 U	NS	4500 UJ
Phenanthrene	ug/Kg	130 J	45 J	NS	81 J	NS	36 J	25 J	NS	1800 UJ
Anthracene	ug/Kg	27 J	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
Carbazole	ug/Kg	22 J	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
Di-n-butylphthalate	ug/Kg	250 J	19 J	NS	750 U	NS	76 J	350 U	NS	1800 UJ
Fluoranthene	ug/Kg	240 J	83 J	NS	120 J	NS	68 J	23 J	NS	1800 UJ
Pyrene	ug/Kg	200 J	68 J	NS	97 J	NS	54 J	19 J	NS	1800 UJ
Butylbenzylphthalate	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
3,3'-Dichlorobenzidine	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
Benzof(a)anthracene	ug/Kg	110 J	31 J	NS	45 J	NS	26 J	350 U	NS	1800 UJ
Chrysene	ug/Kg	130 J	49 J	NS	72 J	NS	44 J	16 J	NS	1800 UJ
bis(2-Ethylhexyl)phthalate	ug/Kg	540 J	360 U	NS	320 J	NS	370 J	350 U	NS	1800 UJ
Di-n-octylphthalate	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
Benzof(b)fluoranthene	ug/Kg	100 J	31 J	NS	49 J	NS	33 J	350 U	NS	1800 UJ
Benzof(k)fluoranthene	ug/Kg	98 J	34 J	NS	53 J	NS	30 J	350 U	NS	1800 UJ
Benzof(a)pyrene	ug/Kg	99 J	27 J	NS	40 J	NS	24 J	350 U	NS	1800 UJ
Indeno(1,2,3-cd)pyrene	ug/Kg	30 J	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
Dibenz(a,h)anthracene	ug/Kg	440 U	360 U	NS	750 U	NS	370 U	350 U	NS	1800 UJ
Benzof(g,h,i)perylene	ug/Kg	62 J	360 U	NS	750 U	NS	19 J	350 U	NS	1800 UJ

SENECA ARMY DEPOT
SEAD-16 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-16	SEAD-16	SEAD-16	SEAD-16	SEAD-16	SEAD-16	SEAD-16	SEAD-16	SEAD-16	SEAD-16
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	10/20/93	10/20/93	10/20/93	10/20/93	10/20/93	10/20/93	10/20/93	10/20/93	10/20/93	10/20/93	10/20/93
ES ID	SS16-11	SS16-12	SS16-12RE	SS16-13	SS16-13RE	SS16-14	SS16-15	SS16-15RE	SS16-16	SS16-16RE	SS16-16RE
LAB ID	201889	201890	201890	201891	201891	201892	201893	201893	201894	201894	201894
UNITS											
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2.3 U	1.9 U	NS	1.9 U	NS	3.8 U	1.8 U	NS	3.8 U	NS
beta-BHC	ug/Kg	2.3 U	1.9 U	NS	1.9 U	NS	3.8 U	1.8 U	NS	3.8 U	NS
delta-BHC	ug/Kg	2.3 U	1.9 U	NS	1.9 U	NS	3.8 U	1.8 U	NS	3.8 U	NS
gamma-BHC (Lindane)	ug/Kg	2.3 U	1.9 U	NS	1.9 U	NS	3.8 U	1.8 U	NS	3.8 U	NS
Heptachlor	ug/Kg	2.3 U	1.9 U	NS	1.9 U	NS	3.8 U	1.8 U	NS	3.8 U	NS
Aldrin	ug/Kg	2.3 U	1.9 U	NS	1.9 U	NS	3.8 U	1.8 U	NS	3.8 U	NS
Heptachlor epoxide	ug/Kg	2.3 U	1.6 J	NS	2.1 J	NS	3.8 U	1.8 U	NS	3.8 U	NS
Endosulfan I	ug/Kg	2.3 U	1.4 J	NS	1.9 U	NS	3.8 U	0.96 J	NS	3.8 U	NS
Dieldrin	ug/Kg	4.4 U	3.6 U	NS	3.7 U	NS	7.3 U	3.5 U	NS	7.4 U	NS
4,4'-DDE	ug/Kg	15 J	38	NS	6	NS	59	28 J	NS	38	NS
Endrin	ug/Kg	4.4 U	3.6 U	NS	3.7 U	NS	7.3 U	3.5 U	NS	7.4 U	NS
Endosulfan II	ug/Kg	4.4 U	3.6 U	NS	3.7 U	NS	7.3 U	3.5 U	NS	7.4 U	NS
4,4'-DDD	ug/Kg	4.4 U	3.6 U	NS	3.7 U	NS	7.3 U	3.5 U	NS	7.4 U	NS
Endosulfan sulfate	ug/Kg	4.4 U	3.6 U	NS	3.7 U	NS	7.3 U	3.5 U	NS	7.4 U	NS
4,4'-DDT	ug/Kg	6.3 J	5	NS	2.6 J	NS	19	2.1 J	NS	89	NS
Methoxychlor	ug/Kg	23 U	19 U	NS	19 U	NS	36 U	18 U	NS	36 U	NS
Endrin ketone	ug/Kg	4.4 U	3.6 U	NS	3.7 U	NS	7.3 U	3.5 U	NS	7.4 U	NS
Endrin aldehyde	ug/Kg	6.5 J	3.6 U	NS	3.7 U	NS	7.3 U	3.5 U	NS	7.4 U	NS
alpha-Chlordane	ug/Kg	2.3 U	1.9 U	NS	1.9 U	NS	4.8	1.8 U	NS	3.8 U	NS
gamma-Chlordane	ug/Kg	2.3 U	1.9 U	NS	1.9 U	NS	3.4 J	1.8 U	NS	3.8 U	NS
Toxaphene	ug/Kg	230 U	190 U	NS	190 U	NS	380 U	180 U	NS	380 U	NS
Aroclor-1016	ug/Kg	44 U	36 U	NS	37 U	NS	73 U	35 U	NS	74 U	NS
Aroclor-1221	ug/Kg	89 U	74 U	NS	76 U	NS	150 U	72 U	NS	150 U	NS
Aroclor-1232	ug/Kg	44 U	36 U	NS	37 U	NS	73 U	35 U	NS	74 U	NS
Aroclor-1242	ug/Kg	44 U	36 U	NS	37 U	NS	73 U	35 U	NS	74 U	NS
Aroclor-1248	ug/Kg	44 U	36 U	NS	37 U	NS	73 U	35 U	NS	74 U	NS
Aroclor-1254	ug/Kg	44 U	36 U	NS	37 U	NS	73 U	35 U	NS	74 U	NS
Aroclor-1260	ug/Kg	110	36 U	NS	37 U	NS	73 U	22 J	NS	74 U	NS
METALS											
Aluminum	mg/Kg	17200	10400	NS	14100	NS	7680	7510	NS	6310	NS
Antimony	mg/Kg	13.9 U	6.6 U	NS	8.2 U	NS	8.4	6.2 U	NS	9 U	NS
Arsenic	mg/Kg	7.7	5.2	NS	6.8	NS	9.9	4.8	NS	3.8	NS
Barium	mg/Kg	195	52	NS	88.2	NS	211	35.1	NS	56.6	NS
Beryllium	mg/Kg	0.91 J	0.46 J	NS	0.59 J	NS	0.41 J	0.34 J	NS	0.37 J	NS
Cadmium	mg/Kg	0.87 U	0.41 U	NS	0.51 U	NS	0.61 J	0.39 U	NS	0.56 U	NS
Calcium	mg/Kg	9820	30300	NS	28700	NS	178000	26800	NS	135000	NS
Chromium	mg/Kg	25.5	19.2	NS	28.7	NS	14.4	15.6	NS	14.1	NS
Cobalt	mg/Kg	16.7	10.8	NS	13.7	NS	8.2	8.1	NS	10.4	NS
Copper	mg/Kg	199	54.8	NS	204	NS	163	42.6	NS	69.2	NS
Iron	mg/Kg	30600	22700	NS	30400	NS	16500	17500	NS	11700	NS
Lead	mg/Kg	616	195	NS	460	NS	720	210	NS	643	NS
Magnesium	mg/Kg	5200	5830	NS	7350	NS	5990	4770	NS	56000	NS
Manganese	mg/Kg	706 J	329 J	NS	417 J	NS	270 J	227 J	NS	310 J	NS
Mercury	mg/Kg	0.73	0.24	NS	1	NS	0.07 J	0.05 J	NS	0.04 J	NS
Nickel	mg/Kg	35.2	39.5	NS	50.8	NS	29.4	30.5	NS	28.5	NS
Potassium	mg/Kg	1600	1080	NS	1320	NS	1100	802	NS	2300	NS
Selenium	mg/Kg	0.24 UJ	0.25 J	NS	0.21 J	NS	0.41 J	0.22 UJ	NS	0.21 UJ	NS
Silver	mg/Kg	1.8 U	0.84 U	NS	1 U	NS	0.93 U	0.79 U	NS	1.1 U	NS
Sodium	mg/Kg	72.2 J	108 J	NS	125 J	NS	176 J	90.1 J	NS	240 J	NS
Thallium	mg/Kg	0.26 U	0.25 U	NS	0.16 U	NS	0.14 U	0.24 U	NS	0.23 U	NS
Vanadium	mg/Kg	28.8	15	NS	21.1	NS	13.4	10.8	NS	61.9	NS
Zinc	mg/Kg	1270	89	NS	128	NS	104	68.6	NS	93.8	NS
Cyanide	mg/Kg	0.69 U	0.84 U	NS	0.63 U	NS	0.64 U	0.63 U	NS	0.67 U	NS
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg	0.23	0.04	NS	0.05	NS	0.05	0.04	NS	0.2	NS
Total Solids	%W/W	75	90.9	NS	88.3	NS	90.5	93.4	NS	88.9	NS
Total Petroleum Hydrocarbons	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoride	mg/g	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
pH	standard units	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-16 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
	LOCATION	SEAD-16	SEAD-16	SEAD-16	SEAD-16	SEAD-16	SEAD-16	SEAD-16	SEAD-16	SEAD-16	SEAD-16	
	DEPTH (FEET) SAMPLE DATE	12/06/93 FS16-1	12/06/93 FS16-2	12/06/93 FS16-3	12/06/93 FS16-4	12/06/93 FS16-5	12/06/93 FS16-5RE	12/06/93 FS16-6	12/06/93 FS16-6RE	12/06/93 FS16-7	12/06/93 FS16-7RE	
ES ID LAB ID UNITS	206161	206162	206164	206165	206139	206139	206140	206140	206140	206141	206141	
VOLATILE ORGANICS												
Chloromethane	ug/Kg	11 U	10 U	11 U	18 U	11 U	NS	11 U	NS	25 UJ	25 UJ	
Bromomethane	ug/Kg	11 U	10 U	11 U	18 U	11 U	NS	11 U	NS	25 UJ	25 UJ	
Vinyl Chloride	ug/Kg	11 U	10 U	11 U	18 U	11 U	NS	11 U	NS	25 UJ	25 UJ	
Chloroethane	ug/Kg	11 U	10 U	11 U	18 U	11 U	NS	11 U	NS	25 UJ	25 UJ	
Methylene Chloride	ug/Kg	11 U	10 U	11 U	18 U	11 U	NS	11 U	NS	25 UJ	25 UJ	
Acetone	ug/Kg	11 U	10 U	11 U	18 U	11 U	NS	11 U	NS	25 UJ	25 UJ	
Carbon Disulfide	ug/Kg	11 U	10 U	11 U	18 U	11 U	NS	11 U	NS	25 UJ	25 UJ	
1,1-Dichloroethane	ug/Kg	11 U	10 U	11 U	18 U	11 U	NS	11 U	NS	25 UJ	25 UJ	
1,1-Dichloroethane	ug/Kg	11 U	10 U	11 U	18 U	11 U	NS	11 U	NS	25 UJ	25 UJ	
1,2-Dichloroethane (total)	ug/Kg	11 U	10 U	11 U	18 U	11 U	NS	11 U	NS	25 UJ	25 UJ	
Chloroform	ug/Kg	11 U	10 U	11 U	18 U	11 U	NS	11 U	NS	25 UJ	25 UJ	
1,2-Dichloroethane	ug/Kg	11 U	10 U	11 U	18 U	11 U	NS	11 U	NS	25 UJ	25 UJ	
2-Butanone	ug/Kg	11 U	10 U	11 U	18 U	11 U	NS	11 U	NS	25 UJ	25 UJ	
1,1,1-Trichloroethane	ug/Kg	11 U	10 U	11 U	18 U	11 U	NS	11 U	NS	25 UJ	25 UJ	
Carbon Tetrachloride	ug/Kg	11 U	10 U	11 U	18 U	11 U	NS	11 U	NS	25 UJ	25 UJ	
Bromodichloromethane	ug/Kg	11 U	10 U	11 U	18 U	11 U	NS	11 U	NS	25 UJ	25 UJ	
1,2-Dichloropropane	ug/Kg	11 U	10 U	11 U	18 U	11 U	NS	11 U	NS	25 UJ	25 UJ	
cis-1,3-Dichloropropene	ug/Kg	11 U	10 U	11 U	18 U	11 U	NS	11 U	NS	25 UJ	25 UJ	
Trichloroethene	ug/Kg	11 U	10 U	11 U	18 U	11 U	NS	11 U	NS	25 UJ	25 UJ	
Dibromochloromethane	ug/Kg	11 U	10 U	11 U	18 U	11 U	NS	11 U	NS	25 UJ	25 UJ	
1,1,2-Trichloroethane	ug/Kg	11 U	10 U	11 U	18 U	11 U	NS	11 U	NS	25 UJ	25 UJ	
Benzene	ug/Kg	11 U	10 U	11 U	18 U	11 U	NS	11 U	NS	25 UJ	25 UJ	
trans-1,3-Dichloropropene	ug/Kg	11 U	10 U	11 U	18 U	11 U	NS	11 U	NS	25 UJ	25 UJ	
Bromotom	ug/Kg	11 U	10 U	11 U	18 U	11 U	NS	11 U	NS	25 UJ	25 UJ	
4-Methyl-2-Pentanone	ug/Kg	11 U	10 U	11 U	18 U	11 U	NS	11 U	NS	25 UJ	25 UJ	
2-Hexanone	ug/Kg	11 U	10 U	11 U	18 U	11 U	NS	11 U	NS	25 UJ	25 UJ	
Tetrachloroethene	ug/Kg	11 U	10 U	11 U	18 U	11 U	NS	11 U	NS	25 UJ	25 UJ	
1,1,2,2-Tetrachloroethane	ug/Kg	11 U	10 U	11 U	18 U	11 U	NS	11 U	NS	25 UJ	25 UJ	
Toluene	ug/Kg	11 U	10 U	11 U	18 U	11 U	NS	11 U	NS	25 UJ	25 UJ	
Chlorobenzene	ug/Kg	11 U	10 U	11 U	18 U	11 U	NS	11 U	NS	25 UJ	25 UJ	
Ethylbenzene	ug/Kg	11 U	10 U	11 U	18 U	11 U	NS	11 U	NS	25 UJ	25 UJ	
Styrene	ug/Kg	11 U	10 U	11 U	18 U	11 U	NS	11 U	NS	25 UJ	25 UJ	
Xylene (total)	ug/Kg	11 U	10 U	11 U	18 U	11 U	NS	11 U	NS	25 UJ	25 UJ	
MTBE	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
HERBICIDES												
2,4-D	ug/Kg	55 U	52 U	69 U	94 U	58 U	NS	55 U	NS	120 UJ	NS	
2,4-DB	ug/Kg	130 J	52 U	69 U	94 U	58 U	NS	55 U	NS	120 UJ	NS	
2,4,5-T	ug/Kg	3.9 J	5.2 U	6.9 U	9.4 U	5.8 U	NS	5.5 U	NS	12 UJ	NS	
2,4,5-TP (Silvex)	ug/Kg	7.9 J	5.2 U	6.9 U	9.4 U	5.8 U	NS	5.5 U	NS	12 UJ	NS	
Dalapon	ug/Kg	140 U	130 U	170 U	230 U	140 U	NS	130 U	NS	290 UJ	NS	
Dicamba	ug/Kg	5.5 U	5.2 U	6.9 U	9.4 U	5.8 U	NS	5.5 U	NS	12 UJ	NS	
Dichloroprop	ug/Kg	61 J	52 U	69 U	94 U	58 U	NS	55 U	NS	120 UJ	NS	
Dinoseb	ug/Kg	28 U	26 UJ	35 U	47 U	29 U	NS	28 U	NS	60 UJ	NS	
MCPA	ug/Kg	6000 J	5200 U	6900 U	9400 U	5800 U	NS	5500 U	NS	12000 UJ	NS	
MCPP	ug/Kg	22000 J	5200 U	6900 U	9400 U	5800 U	NS	5500 U	NS	12000 UJ	NS	
NITROAROMATICS												
HMX	ug/Kg	130 U	130 U	130 U	130 U	130 U	NS	130 U	NS	130 UJ	NS	
RDX	ug/Kg	130 U	130 U	130 U	130 U	130 U	NS	130 U	NS	130 UJ	NS	
1,3,5-Trinitrobenzene	ug/Kg	130 U	130 UJ	130 U	130 U	130 U	NS	130 U	NS	130 UJ	NS	
1,3-Dinitrobenzene	ug/Kg	130 U	130 U	130 U	130 U	130 U	NS	130 U	NS	130 UJ	NS	
Tetryl	ug/Kg	190 U	130 U	130 U	130 U	130 U	NS	130 U	NS	130 UJ	NS	
2,4,6-Trinitrotoluene	ug/Kg	170 J	130 UJ	130 U	130 U	130 U	NS	130 U	NS	130 UJ	NS	
4-amino-2,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	NS	130 U	NS	130 UJ	NS	
2-amino-4,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	NS	130 U	NS	130 UJ	NS	
2,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	NS	130 U	NS	130 UJ	NS	
2,4-Dinitrotoluene	ug/Kg	130 U	72 J	130 U	2900	130 U	NS	610	NS	3100 J	NS	

SENECA ARMY DEPOT
SEAD-16 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-16	SOIL SEAD-16	SOIL SEAD-16	SOIL SEAD-16	SOIL SEAD-16	SOIL SEAD-16	SOIL SEAD-16	SOIL SEAD-16	SOIL SEAD-16	SOIL SEAD-16	SOIL SEAD-16
ES ID	12/06/93 FS16-1	12/06/93 FS16-2	12/06/93 FS16-3	12/06/93 FS16-4	12/06/93 FS16-5	12/06/93 FS16-5SRE	12/06/93 FS16-6	12/06/93 FS16-6RE	12/06/93 FS16-7	12/06/93 FS16-7RE	12/06/93 FS16-7RE
LAB ID	206161	206162	206164	206165	206139	206139	206140	206140	206141	206141	206141
UNITS											
SEMIVOLATILE ORGANICS											
Phend	ug/Kg 81 J	340 U	37000	150 J	380 U	720 UJ	360 U	710 UJ	2600 UJ	2600 UJ	2600 UJ
bis(2-Chloroethyl) ether	ug/Kg 360 U	340 U	5700 U	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	2600 UJ	2600 UJ
2-Chlorophend	ug/Kg 360 U	340 U	5700 U	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	2600 UJ	2600 UJ
1,3-Dichlorobenzene	ug/Kg 360 U	340 U	5700 U	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	2600 UJ	2600 UJ
1,4-Dichlorobenzene	ug/Kg 360 U	340 U	5700 U	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	2600 UJ	2600 UJ
1,2-Dichlorobenzene	ug/Kg 360 U	340 U	5700 U	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	2600 UJ	2600 UJ
2-Methylphend	ug/Kg 360 U	340 U	5700 U	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	2600 UJ	2600 UJ
2,2'-oxybis(1-Chloropropane)	ug/Kg 360 U	340 U	5700 U	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	2600 UJ	2600 UJ
4-Methylphend	ug/Kg 360 U	340 U	5700 U	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	2600 UJ	2600 UJ
N-Nitroso-di-n-propylamine	ug/Kg 360 U	340 U	5700 U	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	2600 UJ	2600 UJ
Hexachloroethane	ug/Kg 360 U	340 U	5700 U	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	2600 UJ	2600 UJ
Nitrobenzene	ug/Kg 360 U	340 U	5700 U	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	2600 UJ	2600 UJ
Isophorone	ug/Kg 360 U	340 U	5700 U	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	2600 UJ	2600 UJ
2-Nitrophenol	ug/Kg 360 U	340 U	5700 U	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	2600 UJ	2600 UJ
2,4-Dimethylphend	ug/Kg 360 U	340 U	5700 U	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	2600 UJ	2600 UJ
bis(2-Chloroethoxy) methane	ug/Kg 380 U	340 U	5700 U	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	2600 UJ	2600 UJ
2,4-Dichlorophenol	ug/Kg 360 U	340 U	5700 U	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	2600 UJ	2600 UJ
1,2,4-Trichlorobenzene	ug/Kg 380 U	340 U	5700 U	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	2600 UJ	2600 UJ
Naphthalene	ug/Kg 380 U	43 J	1600 J	620 U	19 J	720 UJ	360 U	710 UJ	2600 UJ	2600 UJ	2600 UJ
4-Chloroaniline	ug/Kg 360 U	340 U	5700 U	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	2600 UJ	2600 UJ
Hexachlorobutadiene	ug/Kg 380 U	340 U	5700 U	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	2600 UJ	2600 UJ
4-Chloro-3-methylphenol	ug/Kg 360 U	340 U	5700 U	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	2600 UJ	2600 UJ
2-Methylnaphthalene	ug/Kg 25 J	21 J	19000	49 J	40 J	37 J	380 U	710 UJ	180 J	2600 UJ	2600 UJ
Hexachlorocyclopentadiene	ug/Kg 380 U	340 U	5700 U	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	2600 UJ	2600 UJ
2,4,6-Trichlorophenol	ug/Kg 360 U	340 U	5700 U	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	2600 UJ	2600 UJ
2,4,5-Trichlorophenol	ug/Kg 880 U	830 U	14000 U	1500 U	920 U	1700 UJ	870 U	1700 UJ	6300 UJ	6200 UJ	6200 UJ
2-Chloronaphthalene	ug/Kg 360 U	340 U	5700 U	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	2600 UJ	2600 UJ
2-Nitroaniline	ug/Kg 880 U	830 U	14000 U	1500 U	920 U	1700 UJ	870 U	1700 UJ	6300 UJ	6200 UJ	6200 UJ
Dimethylphthalate	ug/Kg 360 U	340 U	5700 U	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	2600 UJ	2600 UJ
Aceraphthylene	ug/Kg 360 U	340 U	5700 U	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	2600 UJ	2600 UJ
2,6-Dinitrotoluene	ug/Kg 360 U	340 U	5700 U	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	2600 UJ	2600 UJ
3-Nitroaniline	ug/Kg 880 U	830 U	14000 U	1500 U	920 U	1700 UJ	870 U	1700 UJ	6300 UJ	6200 UJ	6200 UJ
Aceraphthene	ug/Kg 23 J	340 U	4500 J	620 U	380 U	720 UJ	360 U	710 UJ	560 J	2600 UJ	2600 UJ
2,4-Dinitrophenol	ug/Kg 880 U	830 U	14000 U	1500 U	920 U	1700 UJ	870 U	1700 UJ	6300 UJ	6200 UJ	6200 UJ
4-Nitrophenol	ug/Kg 880 U	830 U	14000 U	1500 U	920 U	1700 UJ	870 U	1700 UJ	6300 UJ	6200 UJ	6200 UJ
Dibenzofuran	ug/Kg 360 U	46 J	1500 J	620 U	22 J	720 UJ	360 U	710 UJ	390 J	2600 UJ	2600 UJ
2,4-Dinitrotoluene	ug/Kg 360 U	340 U	5700 U	620 U	380 U	720 UJ	2700	5000 J	2600 UJ	2600 UJ	2600 UJ
Diethylphthalate	ug/Kg 360 U	340 U	5700 U	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	2600 UJ	2600 UJ
4-Chlorophenyl-phenylether	ug/Kg 360 U	340 U	5700 U	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	2600 UJ	2600 UJ
Fluorene	ug/Kg 25 J	340 U	6100	620 U	380 U	720 UJ	360 U	710 UJ	560 J	2600 UJ	2600 UJ
4-Nitroaniline	ug/Kg 880 U	830 U	14000 U	1500 U	920 U	1700 UJ	870 U	1700 UJ	6300 UJ	6200 UJ	6200 UJ
4,6-Dinitro-2-methylphenol	ug/Kg 880 U	830 U	14000 U	1500 U	920 U	1700 UJ	870 U	1700 UJ	6300 UJ	6200 UJ	6200 UJ
N-Nitrosodiphenylamine	ug/Kg 380 U	340 U	5700 U	620 U	380 U	720 UJ	450	480 J	2600 UJ	2600 UJ	2600 UJ
4-Bromophenyl-phenylether	ug/Kg 360 U	340 U	5700 U	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	2600 UJ	2600 UJ
Hexachlorobenzene	ug/Kg 360 U	340 U	5700 U	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	2600 UJ	2600 UJ
Pentachlorophend	ug/Kg 880 U	830 U	14000 U	1500 U	920 U	1700 UJ	870 U	1700 UJ	6300 UJ	6200 UJ	6200 UJ
Phenanthrene	ug/Kg 130 J	550	22000	120 J	100 J	98 J	110 J	80 J	4100 J	710 J	2600 UJ
Anthracene	ug/Kg 22 J	340 U	2900 J	620 U	22 J	720 UJ	360 U	710 UJ	670 J	2600 UJ	2600 UJ
Carbazole	ug/Kg 24 J	340 U	5700 U	620 U	36 J	720 UJ	21 J	710 UJ	740 J	2600 UJ	2600 UJ
Di-n-butylphthalate	ug/Kg 360 U	340 U	5700 U	620 U	50 J	720 UJ	77 J	710 UJ	2600 UJ	R	2600 UJ
Fluoranthene	ug/Kg 160 J	920	3100 J	140 J	120 J	140 J	210 J	170 J	3900 J	870 J	2600 UJ
Pyrene	ug/Kg 200 J	570	5000 J	120 J	130 J	140 J	160 J	130 J	3200 J	710 J	2600 UJ
Butylbenzylphthalate	ug/Kg 360 U	340 U	5700 U	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	R	2600 UJ
3,3'-Dichlorobenzidine	ug/Kg 380 U	340 U	5700 U	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	R	2600 UJ
Benzo(a)anthracene	ug/Kg 81 J	40 J	1000 J	44 J	54 J	52 J	92 J	80 J	1600 J	340 J	2600 UJ
Chrysene	ug/Kg 110 J	150 J	1400 J	74 J	120 J	120 J	110 J	93 J	1900 J	480 J	2600 UJ
bis(2-Ethylhexyl)phthalate	ug/Kg 360 U	340 U	5700 U	440 J	52 J	5000 J	80 J	52 J	500 J	R	270 J
Di-n-octylphthalate	ug/Kg 360 U	340 U	5700 U	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	R	2600 UJ
Benzo(b)fluoranthene	ug/Kg 91 J	130 J	500 J	73 J	47 J	74 J	99 J	78 J	1600 J	460 J	2600 UJ
Benzo(k)fluoranthene	ug/Kg 73 J	77 J	630 J	60 J	50 J	63 J	92 J	76 J	1600 J	430 J	2600 UJ
Benzo(a)pyrene	ug/Kg 70 J	45 J	770 J	61 J	54 J	70 J	90 J	70 J	1500 J	370 J	2600 UJ
Indeno(1,2,3-cd)pyrene	ug/Kg 360 U	92 J	450 J	620 U	380 U	720 UJ	39 J	49 J	400 J	150 J	2600 UJ
Dibenz(a,h)anthracene	ug/Kg 360 U	26 J	500 J	620 U	380 U	720 UJ	360 U	710 UJ	2600 UJ	2600 UJ	2600 UJ
Benzo(g,h,i)perylene	ug/Kg 360 U	120 J	870 J	620 U	380 U	34 J	61 J	51 J	360 J	140 J	2600 UJ

SENECA ARMY DEPOT
SEAD-16 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	DEPTH (FEET)	SEAD-16	SEAD-16	SEAD-16	SEAD-16	SEAD-16	SEAD-16	SEAD-16	SEAD-16	SEAD-16	SEAD-16
	SAMPLE DATE	12/06/93	12/06/93	12/06/93	12/06/93	12/06/93	12/06/93	12/06/93	12/06/93	12/06/93	12/06/93
ES ID	FS16-1	FS16-2	FS16-3	FS16-4	FS16-5	FS16-5RE	FS16-6	FS16-6RE	FS16-7	FS16-7RE	
LAB ID	206161	206162	206184	206165	206139	206139	206140	206140	206141	206141	
UNITS											
PESTICIDES/PCB											
alpha-BHC	ug/Kg	1.9 U	1.8 U	4.7 U	6.4 U	3.9 U	NS	1.8 U	NS	20 UJ	NS
beta-BHC	ug/Kg	1.9 U	1.8 U	4.7 U	6.4 U	3.9 U	NS	1.8 U	NS	20 UJ	NS
delta-BHC	ug/Kg	1.9 U	1.8 U	4.7 U	6.4 U	3.9 U	NS	1.8 U	NS	20 UJ	NS
gamma-BHC (Lindane)	ug/Kg	0.93 J	1.8 U	4.7 U	6.4 U	3.9 U	NS	1.8 U	NS	20 UJ	NS
Heptachlor	ug/Kg	1.9 U	1.8 U	4.7 U	6.4 U	3.9 U	NS	1.8 U	NS	20 UJ	NS
Aldrin	ug/Kg	1.9 U	1.8 U	4.7 U	6.4 U	3.9 U	NS	1.8 U	NS	20 UJ	NS
Heptachlor epoxide	ug/Kg	1.9 U	1.8 U	2.6 J	6.4 U	3.9 U	NS	1.8 U	NS	20 UJ	NS
Endosulfan I	ug/Kg	1.9 U	1.8 U	4.7 U	6.4 U	3.9 U	NS	1.8 U	NS	20 UJ	NS
Dieldrin	ug/Kg	4.2 J	3.4 U	9.2 U	12 U	7.5 U	NS	3.6 U	NS	28 J	NS
4,4'-DDE	ug/Kg	13 J	17 J	73 J	17	750	NS	6.3 J	NS	97 J	NS
Endrin	ug/Kg	3.6 U	3.4 U	9.2 J	12 U	7.5 U	NS	3.6 U	NS	39 UJ	NS
Endosulfan II	ug/Kg	3.6 U	3.4 J	5.7 J	12 U	3.9 J	NS	3.6 U	NS	39 UJ	NS
4,4'-DDD	ug/Kg	5.2 J	3.1 J	9.2 U	12 U	35 J	NS	3.6 U	NS	39 UJ	NS
Endosulfan sulfate	ug/Kg	3.6 U	3.4 U	9.2 U	12 U	7.5 U	NS	3.6 U	NS	39 UJ	NS
4,4'-DDT	ug/Kg	8.1 J	6.1 J	61 J	140	610	NS	7.2	NS	360 J	NS
Methoxychlor	ug/Kg	19 U	18 U	47 U	64 U	39 U	NS	18 U	NS	200 UJ	NS
Endrin ketone	ug/Kg	3.6 U	3.4 U	9.2 U	12 U	7.5 U	NS	3.6 U	NS	39 UJ	NS
Endrin aldehyde	ug/Kg	3.6 U	3.4 U	9.2 U	12 U	7.5 U	NS	3.6 U	NS	39 UJ	NS
alpha-Chlordane	ug/Kg	1.2 J	2.1 J	3.8 J	6.4 U	3.1 J	NS	1.8 U	NS	13 J	NS
gamma-Chlordane	ug/Kg	1.9 U	2.1 J	4.6 J	6.4 U	2.9 J	NS	1.8 U	NS	12 J	NS
Toxaphene	ug/Kg	190 U	180 U	470 U	640 U	390 U	NS	180 U	NS	2000 UJ	NS
Aroclor-1016	ug/Kg	36 U	34 U	92 U	120 U	75 U	NS	36 U	NS	390 UJ	NS
Aroclor-1221	ug/Kg	74 U	70 U	190 U	250 U	150 U	NS	73 U	NS	800 UJ	NS
Aroclor-1232	ug/Kg	36 U	34 U	92 U	120 U	75 U	NS	36 U	NS	390 UJ	NS
Aroclor-1242	ug/Kg	36 U	34 U	92 U	120 U	75 U	NS	36 U	NS	390 UJ	NS
Aroclor-1248	ug/Kg	36 U	34 U	92 U	120 U	75 U	NS	36 U	NS	390 UJ	NS
Aroclor-1254	ug/Kg	36 J	56	130	120 U	75 U	NS	36 U	NS	360 J	NS
Aroclor-1260	ug/Kg	37	51	97	120 U	89	NS	36 U	NS	390 UJ	NS
METALS											
Aluminum	mg/Kg	9540	16500	6610	9550	2960	NS	11300	NS	7960 J	NS
Antimony	mg/Kg	4.6 U	1250	1560	31.5	11.9 J	NS	11.2 J	NS	21.6 J	NS
Arsenic	mg/Kg	3.4	47.3	26.9	7.1	1.9	NS	6.5	NS	6 J	NS
Barium	mg/Kg	145	15600	6950	466	88.2	NS	299	NS	392 J	NS
Beryllium	mg/Kg	0.51 J	0.09 J	0.08 U	1.1 J	0.19 J	NS	0.49 J	NS	0.32 J	NS
Cadmium	mg/Kg	22.2	36.8	156	1.1 J	3	NS	1.2	NS	72.8 J	NS
Calcium	mg/Kg	19800	13800	21200	23000	215000	NS	41800	NS	41600 J	NS
Chromium	mg/Kg	15.8	220	33.2	6.4	33.2	NS	21.3	R	22.1 J	R
Cobalt	mg/Kg	15	20.9	9.7 J	3.3 J	5.6 J	NS	9.9	NS	6 J	NS
Copper	mg/Kg	211 J	38900 J	81400 J	129 J	90 J	NS	198 J	NS	593 J	NS
Iron	mg/Kg	19700	49300	30500	8420	41300	NS	25000	NS	17200 J	NS
Lead	mg/Kg	810	437000	527000	596	309	NS	865	NS	1560 J	NS
Magnesium	mg/Kg	4850	16400	19700	2470	15700	NS	16400	NS	10500 J	NS
Manganese	mg/Kg	488 J	334 J	214 J	194 J	480	NS	456	NS	301 J	NS
Mercury	mg/Kg	0.81	39.3	1.8	0.34	0.1	NS	1.2	NS	2.4 J	NS
Nickel	mg/Kg	21.1	119	66.8	7.9 J	18.8	NS	30.5	NS	21.5 J	NS
Potassium	mg/Kg	10500	1570	636 J	1550 J	704 J	NS	1480	NS	1430 J	NS
Selenium	mg/Kg	5.8 J	1.3 UJ	1.6 UJ	0.26 UJ	0.13 UJ	NS	0.72 J	R	1.6 J	R
Silver	mg/Kg	0.9 U	13.4	22.7	1.5 U	0.73 U	NS	0.6 U	NS	1.3 UJ	NS
Sodium	mg/Kg	3690	2650	152 J	365 J	179 J	NS	200 J	NS	97.9 J	NS
Thallium	mg/Kg	0.38 J	2.2 UJ	1.4 J	0.44 UJ	0.22 U	NS	0.25 U	NS	0.45 UJ	NS
Vanadium	mg/Kg	17.7	12.9	6.2 J	7 J	8.3 J	NS	18.3	NS	20.6 J	NS
Zinc	mg/Kg	715 J	12400 J	35700 J	178 J	318	NS	293	NS	1310 J	NS
Cyanide	mg/Kg	1.1	1.4	0.74 U	1 U	0.61 U	NS	0.58 U	NS	2.3 J	NS
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg	151	13.7	0.21	0.27	2	NS	104	NS	0.89	NS
Total Solids	%W/W	90.7	96.3	72.4	52.6	86.8	NS	92.3	NS	41.8	NS
Total Petroleum Hydrocarbons	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoride	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
pH	standard units	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-16 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-16 12/06/93 FS16-8 206142	SOIL SEAD-16 12/06/93 FS16-8RE 206142
VOLATILE ORGANICS			
Chloromethane	ug/Kg	21 UJ	NS
Bromomethane	ug/Kg	21 UJ	NS
Vinyl Chloride	ug/Kg	21 UJ	NS
Chloroethane	ug/Kg	21 UJ	NS
Methylene Chloride	ug/Kg	21 UJ	NS
Acetone	ug/Kg	21 UJ	NS
Carbon Disulfide	ug/Kg	21 UJ	NS
1,1-Dichloroethane	ug/Kg	21 UJ	NS
1,1-Dichloroethane	ug/Kg	21 UJ	NS
1,2-Dichloroethane (total)	ug/Kg	21 UJ	NS
Chloroform	ug/Kg	21 UJ	NS
1,2-Dichloroethane	ug/Kg	21 UJ	NS
2-Butanone	ug/Kg	21 UJ	NS
1,1,1-Trichloroethane	ug/Kg	21 UJ	NS
Carbon Tetrachloride	ug/Kg	21 UJ	NS
Bromodichloromethane	ug/Kg	21 UJ	NS
1,2-Dichloropropane	ug/Kg	21 UJ	NS
cis-1,3-Dichloropropene	ug/Kg	21 UJ	NS
Trichloroethene	ug/Kg	21 UJ	NS
Dibromochloromethane	ug/Kg	21 UJ	NS
1,1,2-Trichloroethane	ug/Kg	21 UJ	NS
Benzene	ug/Kg	21 UJ	NS
trans-1,3-Dichloropropene	ug/Kg	21 UJ	NS
Bromoform	ug/Kg	21 UJ	NS
4-Methyl-2-Pentanone	ug/Kg	21 UJ	NS
2-Hexanone	ug/Kg	21 UJ	NS
Tetrachloroethene	ug/Kg	21 UJ	NS
1,1,2,2-Tetrachloroethane	ug/Kg	21 UJ	NS
Toluene	ug/Kg	21 UJ	NS
Chlorobenzene	ug/Kg	21 UJ	NS
Ethylbenzene	ug/Kg	21 UJ	NS
Styrene	ug/Kg	21 UJ	NS
Xylene (total)	ug/Kg	21 UJ	NS
MTBE	ug/Kg	NS	NS
HERBICIDES			
2,4-D	ug/Kg	160 J	NS
2,4-DB	ug/Kg	120 UJ	NS
2,4,5-T	ug/Kg	13 J	NS
2,4,5-TP (Silvex)	ug/Kg	12 UJ	NS
Dalapon	ug/Kg	280 UJ	NS
Dicamba	ug/Kg	12 UJ	NS
Dichloroprop	ug/Kg	120 UJ	NS
Dinoseb	ug/Kg	58 UJ	NS
MCPA	ug/Kg	12000 UJ	NS
MCPP	ug/Kg	12000 UJ	NS
NITROAROMATICS			
HMX	ug/Kg	130 UJ	NS
RDX	ug/Kg	130 UJ	NS
1,3,5-Trinitrobenzene	ug/Kg	130 UJ	NS
1,3-Dinitrobenzene	ug/Kg	130 UJ	NS
Tetryl	ug/Kg	130 UJ	NS
2,4,6-Trinitrotoluene	ug/Kg	130 UJ	NS
4-amino-2,6-Dinitrotoluene	ug/Kg	130 UJ	NS
2-amino-4,6-Dinitrotoluene	ug/Kg	130 UJ	NS
2,6-Dinitrotoluene	ug/Kg	130 UJ	NS
2,4-Dinitrotoluene	ug/Kg	610 J	NS

SENECA ARMY DEPOT
SEAD-16 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL
	LOCATION	SEAD-16	SEAD-16
DEPTH (FEET)			
SAMPLE DATE		12/06/93	12/06/93
ES ID		FS16-8	FS16-8RE
LAB ID		206142	206142
UNITS			
SEMIVOLATILE ORGANICS			
Phend	ug/Kg	5100 UJ	5100 UJ
bis(2-Chloroethyl) ether	ug/Kg	5100 UJ	5100 UJ
2-Chlorophend	ug/Kg	5100 UJ	5100 UJ
1,3-Dichlorobenzene	ug/Kg	5100 UJ	5100 UJ
1,4-Dichlorobenzene	ug/Kg	5100 UJ	5100 UJ
1,2-Dichlorobenzene	ug/Kg	5100 UJ	5100 UJ
2-Methylphend	ug/Kg	5100 UJ	5100 UJ
2,2'-oxybis(1-Chloropropane)	ug/Kg	5100 UJ	5100 UJ
4-Methylphend	ug/Kg	5100 UJ	5100 UJ
N-Nitroso-di-n-propylamine	ug/Kg	5100 UJ	5100 UJ
Hexachloroethane	ug/Kg	5100 UJ	5100 UJ
Nitrobenzene	ug/Kg	5100 UJ	5100 UJ
Isophorone	ug/Kg	5100 UJ	5100 UJ
2-Nitrophenol	ug/Kg	5100 UJ	5100 UJ
2,4-Dimethylphend	ug/Kg	5100 UJ	5100 UJ
bis(2-Chloroethoxy) methane	ug/Kg	5100 UJ	5100 UJ
2,4-Dichlorophenol	ug/Kg	5100 UJ	5100 UJ
1,2,4-Trichlorobenzene	ug/Kg	5100 UJ	5100 UJ
Naphthalene	ug/Kg	5100 UJ	5100 UJ
4-Chloroaniline	ug/Kg	5100 UJ	5100 UJ
Hexachlorobutadiene	ug/Kg	5100 UJ	5100 UJ
4-Chloro-3-methylphenol	ug/Kg	5100 UJ	5100 UJ
2-Methylnaphthalene	ug/Kg	5100 UJ	5100 UJ
Hexachlorocyclopentadiene	ug/Kg	5100 UJ	5100 UJ
2,4,6-Trichlorophenol	ug/Kg	5100 UJ	5100 UJ
2,4,5-Trichlorophenol	ug/Kg	12000 UJ	12000 UJ
2-Chloronaphthalene	ug/Kg	5100 UJ	5100 UJ
2-Nitroaniline	ug/Kg	12000 UJ	12000 UJ
Dimethylphthalate	ug/Kg	5100 UJ	5100 UJ
Aceaphthylene	ug/Kg	5100 UJ	5100 UJ
2,6-Dinitrotoluene	ug/Kg	5100 UJ	5100 UJ
3-Nitroaniline	ug/Kg	12000 UJ	12000 UJ
Aceaphthene	ug/Kg	5100 UJ	5100 UJ
2,4-Dinitrophenol	ug/Kg	12000 UJ	12000 UJ
4-Nitrophenol	ug/Kg	12000 UJ	12000 UJ
Dibenzofuran	ug/Kg	5100 UJ	5100 UJ
2,4-Dinitrotoluene	ug/Kg	5100 UJ	5100 UJ
Diethylphthalate	ug/Kg	5100 UJ	5100 UJ
4-Chlorophenyl-phenylether	ug/Kg	5100 UJ	5100 UJ
Fluorene	ug/Kg	5100 UJ	5100 UJ
4-Nitroaniline	ug/Kg	12000 UJ	12000 UJ
4,6-Dinitro-2-methylphenol	ug/Kg	12000 UJ	12000 UJ
N-Nitrosodiphenylamine	ug/Kg	5100 UJ	5100 UJ
4-Bromophenyl-phenylether	ug/Kg	5100 UJ	5100 UJ
Hexachlorobenzene	ug/Kg	5100 UJ	5100 UJ
Pentachlorophend	ug/Kg	12000 UJ	12000 UJ
Phenanthrene	ug/Kg	360 J	1400 J
Anthracene	ug/Kg	5100 UJ	300 J
Carbazole	ug/Kg	5100 UJ	5100 UJ
Di-n-butylphthalate	ug/Kg	530 J	5100 UJ
Fluoranthene	ug/Kg	630 J	3200 J
Pyrene	ug/Kg	720 J	2300 J
Butylbenzylphthalate	ug/Kg	310 J	5100 UJ
3,3'-Dichlorobenzidine	ug/Kg	5100 UJ	5100 UJ
Benzo(a)anthracene	ug/Kg	330 J	1200 J
Chrysene	ug/Kg	680 J	1400 J
bis(2-Ethylhexyl)phthalate	ug/Kg	1600 J	1300 J
Di-n-octylphthalate	ug/Kg	5100 UJ	5100 UJ
Benzo(b)fluoranthene	ug/Kg	750 J	1200 J
Benzo(k)fluoranthene	ug/Kg	630 J	1200 J
Benzo(a)pyrene	ug/Kg	400 J	1000 J
Indeno(1,2,3-cd)pyrene	ug/Kg	5100 UJ	360 J
Dibenz(a,h)anthracene	ug/Kg	5100 UJ	5100 UJ
Benzo(g,h,i)perylene	ug/Kg	5100 UJ	580 J

SENECA ARMY DEPOT
SEAD-16 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-16 12/06/93 FS16-8 206142	SOIL SEAD-16 12/06/93 FS16-8RE 206142
COMPOUND	ES ID LAB ID UNITS	ES ID LAB ID UNITS
PESTICIDES/PCB		
alpha-BHC	ug/Kg 39 UJ	NS
beta-BHC	ug/Kg 39 UJ	NS
delta-BHC	ug/Kg 39 UJ	NS
gamma-BHC (Lindane)	ug/Kg 39 UJ	NS
Heptachlor	ug/Kg 39 UJ	NS
Aldrin	ug/Kg 39 UJ	NS
Heptachlor epoxide	ug/Kg 39 UJ	NS
Endosulfan I	ug/Kg 39 UJ	NS
Dieldrin	ug/Kg 76 UJ	NS
4,4'-DDE	ug/Kg 180 J	NS
Endrin	ug/Kg 76 UJ	NS
Endosulfan II	ug/Kg 76 UJ	NS
4,4'-DDD	ug/Kg 76 UJ	NS
Endosulfan sulfate	ug/Kg 76 UJ	NS
4,4'-DDT	ug/Kg 870 J	NS
Methoxychlor	ug/Kg 390 UJ	NS
Endrin ketone	ug/Kg 76 UJ	NS
Endrin aldehyde	ug/Kg 76 UJ	NS
alpha-Chlordane	ug/Kg 47 J	NS
gamma-Chlordane	ug/Kg 36 J	NS
Toxaphene	ug/Kg 3900 UJ	NS
Aroclor-1018	ug/Kg 760 UJ	NS
Aroclor-1221	ug/Kg 1500 UJ	NS
Aroclor-1232	ug/Kg 760 UJ	NS
Aroclor-1242	ug/Kg 760 UJ	NS
Aroclor-1248	ug/Kg 760 UJ	NS
Aroclor-1254	ug/Kg 1400 J	NS
Aroclor-1260	ug/Kg 630 J	NS
METALS		
Aluminum	mg/Kg 13700 J	NS
Antimony	mg/Kg 93.2 J	NS
Arsenic	mg/Kg 15.9 J	NS
Barium	mg/Kg 2110 J	NS
Beryllium	mg/Kg 0.27 J	NS
Cadmium	mg/Kg 127 J	NS
Calcium	mg/Kg 67400 J	NS
Chromium	mg/Kg 174 J	R
Cobalt	mg/Kg 40.6 J	NS
Copper	mg/Kg 757 J	NS
Iron	mg/Kg 48600 J	NS
Lead	mg/Kg 12100 J	NS
Magnesium	mg/Kg 15700 J	NS
Manganese	mg/Kg 458 J	NS
Mercury	mg/Kg 3.7 J	NS
Nickel	mg/Kg 124 J	NS
Potassium	mg/Kg 1360 J	NS
Selenium	mg/Kg 0.91 J	R
Silver	mg/Kg 1.7 UJ	NS
Sodium	mg/Kg 302 J	NS
Thallium	mg/Kg 0.39 UJ	NS
Vanadium	mg/Kg 44 J	NS
Zinc	mg/Kg 11600 J	NS
Cyanide	mg/Kg 4.4 J	NS
OTHER ANALYSES		
Nitrate/Nitrite-Nitrogen	mg/Kg 0.05	NS
Total Solids	%W/W 42.9	NS
Total Petroleum Hydrocarbons	mg/Kg NS	NS
Fluoride	mg/Kg NS	NS
pH	standard units NS	NS

SENECA ARMY DEPOT
SEAD-16 EXPANDED SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID UNITS	WATER SEAD-16 11/19/93 MW16-1 205058	WATER SEAD-16 11/17/93 MW16-2 204977	WATER SEAD-16 11/17/93 MW16-41 204980 MW16-2DUP	WATER SEAD-16 11/17/93 MW16-3 204978	WATER SEAD-16 11/17/93 MW16-3RE 204978
VOLATILE ORGANICS						
Chloromethane	ug/L	10 U	10 U	10 U	10 U	NS
Bromomethane	ug/L	10 U	10 U	10 U	10 U	NS
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	NS
Chloroethane	ug/L	10 U	10 U	10 U	10 U	NS
Methylene Chloride	ug/L	10 U	10 U	10 U	10 U	NS
Acetone	ug/L	10 U	10 U	10 U	10 U	NS
Carbon Disulfide	ug/L	10 U	10 U	10 U	10 U	NS
1,1-Dichloroethene	ug/L	10 U	10 U	10 U	10 U	NS
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	NS
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U	10 U	NS
Chloroform	ug/L	10 U	10 U	10 U	10 U	NS
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	NS
2-Butanone	ug/L	10 U	10 U	10 U	10 U	NS
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	NS
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U	NS
Bromodichloromethane	ug/L	10 U	10 U	10 U	10 U	NS
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U	NS
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	NS
Trichloroethene	ug/L	10 U	10 U	10 U	10 U	NS
Dibromochloromethane	ug/L	10 U	10 U	10 U	10 U	NS
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	NS
Benzene	ug/L	10 U	10 U	10 U	10 U	NS
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	NS
Bromoform	ug/L	10 U	10 U	10 U	10 U	NS
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	NS
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	NS
Tetrachloroethene	ug/L	10 U	10 U	10 U	10 U	NS
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U	NS
Toluene	ug/L	10 U	10 U	10 U	10 U	NS
Chlorobenzene	ug/L	10 U	10 U	10 U	10 U	NS
Ethylbenzene	ug/L	10 U	10 U	10 U	10 U	NS
Styrene	ug/L	10 U	10 U	10 U	10 U	NS
Xylene (total)	ug/L	10 U	10 U	10 U	10 U	NS
MTBE	ug/L	NS	NS	NS	NS	NS
HERBICIDES						
2,4-D	ug/L	1.1 U	1.2 U	1.2 U	1.1 U	NS
2,4-DB	ug/L	1.1 U	1.2 U	1.2 U	1.1 U	NS
2,4,5-T	ug/L	0.11 U	0.12 U	0.12 U	0.11 U	NS
2,4,5-TP (Silvex)	ug/L	0.11 U	0.12 U	0.12 U	0.11 U	NS
Dalapon	ug/L	2.5 U	2.6 U	2.6 U	2.5 U	NS
Dicamba	ug/L	0.11 U	0.12 U	0.12 U	0.11 U	NS
Dichloroprop	ug/L	1.1 U	1.2 U	1.2 U	1.1 U	NS
Dinoseb	ug/L	0.54 U	0.57 U	0.56 U	0.54 U	NS
MCPA	ug/L	110 U	120 U	120 U	110 U	NS
MCPP	ug/L	110 U	120 U	120 U	110 U	NS
NITROAROMATICS						
HMX	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	NS
RDX	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	NS
1,3,5-Trinitrobenzene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	NS
1,3-Dinitrobenzene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	NS
Tetryl	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	NS
2,4,6-Trinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	NS
4-amino-2,6-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	NS
2-amino-4,6-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	NS
2,6-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	NS
2,4-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.07 J	NS

NOTES:
NS stands for NOT SAMPLED
NA stands for NOT ANALYZED

SENECA ARMY DEPOT
SEAD-16 EXPANDED SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER
	LOCATION	SEAD-16	SEAD-16	SEAD-16	SEAD-16	SEAD-16
	SAMPLE DATE	11/19/93	11/17/93	11/17/93	11/17/93	11/17/93
	ES ID	MW16-1	MW16-2	MW16-41	MW16-3	MW16-3RE
	LAB ID	205058	204977	204980	204978	204978
	UNITS			MW16-2DUP		
SEMIVOLATILE ORGANICS						
Phenol	ug/L	11 U	11 U	11 U	11 U	10 UJ
bis(2-Chloroethyl) ether	ug/L	11 U	11 U	11 U	11 U	10 UJ
2-Chlorophenol	ug/L	11 U	11 U	11 U	11 U	10 UJ
1,3-Dichlorobenzene	ug/L	11 U	11 U	11 U	11 U	10 UJ
1,4-Dichlorobenzene	ug/L	11 U	11 U	11 U	11 U	10 UJ
1,2-Dichlorobenzene	ug/L	11 U	11 U	11 U	11 U	10 UJ
2-Methylphenol	ug/L	11 U	11 U	11 U	11 U	10 UJ
2,2'-oxybis(1-Chloropropane)	ug/L	11 U	11 U	11 U	11 U	10 UJ
4-Methylphenol	ug/L	11 U	11 U	11 U	11 U	10 UJ
N-Nitroso-di-n-propylamine	ug/L	11 U	11 U	11 U	11 U	10 UJ
Hexachloroethane	ug/L	11 U	11 U	11 U	11 U	10 UJ
Nitrobenzene	ug/L	11 U	11 U	11 U	11 U	10 UJ
Isophorone	ug/L	11 U	11 U	11 U	11 U	10 UJ
2-Nitrophenol	ug/L	11 U	11 U	11 U	11 U	10 UJ
2,4-Dimethylphenol	ug/L	11 U	11 U	11 U	11 U	10 UJ
bis(2-Chloroethoxy) methane	ug/L	11 U	11 U	11 U	11 U	10 UJ
2,4-Dichlorophenol	ug/L	11 U	11 U	11 U	11 U	10 UJ
1,2,4-Trichlorobenzene	ug/L	11 U	11 U	11 U	11 U	10 UJ
Naphthalene	ug/L	11 U	11 U	11 U	11 U	10 UJ
4-Chloroaniline	ug/L	11 U	11 U	11 U	11 U	10 UJ
Hexachlorobutadiene	ug/L	11 U	11 U	11 U	11 U	10 UJ
4-Chloro-3-methylphenol	ug/L	11 U	11 U	11 U	11 U	10 UJ
2-Methylnaphthalene	ug/L	11 U	11 U	11 U	11 U	10 UJ
Hexachlorocyclopentadiene	ug/L	11 U	11 U	11 U	11 U	10 UJ
2,4,6-Trichlorophenol	ug/L	11 U	11 U	11 U	11 U	10 UJ
2,4,5-Trichlorophenol	ug/L	27 U	27 U	27 U	27 U	26 UJ
2-Chloronaphthalene	ug/L	11 U	11 U	11 U	11 U	10 UJ
2-Nitroaniline	ug/L	27 U	27 U	27 U	27 U	26 UJ
Dimethylphthalate	ug/L	11 U	11 U	11 U	11 U	10 UJ
Acenaphthylene	ug/L	11 U	11 U	11 U	11 U	10 UJ
2,6-Dinitrotoluene	ug/L	11 U	11 U	11 U	11 U	10 UJ
3-Nitroaniline	ug/L	27 U	27 U	27 U	27 U	26 UJ
Acenaphthene	ug/L	11 U	11 U	11 U	11 U	10 UJ
2,4-Dinitrophenol	ug/L	27 U	27 U	27 U	27 U	26 UJ
4-Nitrophenol	ug/L	27 U	27 U	27 U	27 U	26 UJ
Dibenzofuran	ug/L	11 U	11 U	11 U	11 U	10 UJ
2,4-Dinitrotoluene	ug/L	11 U	11 U	11 U	11 U	10 UJ
Diethylphthalate	ug/L	11 U	11 U	11 U	0.5 J	10 UJ
4-Chlorophenyl-phenylether	ug/L	11 U	11 U	11 U	11 U	10 UJ
Fluorene	ug/L	11 U	11 U	11 U	11 U	10 UJ
4-Nitroaniline	ug/L	27 U	27 U	27 U	27 U	26 UJ
4,6-Dinitro-2-methylphenol	ug/L	27 U	27 U	27 U	27 U	26 UJ
N-Nitrosodiphenylamine	ug/L	11 U	11 U	11 U	11 U	10 UJ
4-Bromophenyl-phenylether	ug/L	11 U	11 U	11 U	11 U	10 UJ
Hexachlorobenzene	ug/L	11 U	11 U	11 U	11 U	10 UJ
Pentachlorophenol	ug/L	27 U	27 U	27 U	27 U	26 UJ
Phenanthrene	ug/L	11 U	11 U	11 U	11 U	10 UJ
Anthracene	ug/L	11 U	11 U	11 U	11 U	10 UJ
Carbazole	ug/L	11 U	11 U	11 U	11 U	10 UJ
Di-n-butylphthalate	ug/L	11 U	11 U	11 U	11 U	10 UJ
Fluoranthene	ug/L	11 U	11 U	11 U	11 U	10 UJ
Pyrene	ug/L	11 U	11 U	11 U	11 U	10 UJ
Butylbenzylphthalate	ug/L	11 U	11 U	11 U	11 U	10 UJ
3,3'-Dichlorobenzidine	ug/L	11 U	11 U	11 U	11 U	10 UJ
Benzo(a)anthracene	ug/L	11 U	11 U	11 U	11 U	10 UJ
Chrysene	ug/L	11 U	11 U	11 U	11 U	10 UJ
bis(2-Ethylhexyl)phthalate	ug/L	12 U	13 U	11 U	24 U	10 UJ
Di-n-octylphthalate	ug/L	11 U	11 U	11 U	11 U	10 UJ
Benzo(b)fluoranthene	ug/L	11 U	11 U	11 U	11 U	10 UJ
Benzo(k)fluoranthene	ug/L	11 U	11 U	11 U	11 U	10 UJ
Benzo(a)pyrene	ug/L	11 U	11 U	11 U	11 U	10 UJ
Indeno(1,2,3-cd)pyrene	ug/L	11 U	11 U	11 U	11 U	10 UJ
Dibenz(a,h)anthracene	ug/L	11 U	11 U	11 U	11 U	10 UJ
Benzo(g,h,i)perylene	ug/L	11 U	11 U	11 U	11 U	10 UJ

SENECA ARMY DEPOT
SEAD-16 EXPANDED SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION	WATER	WATER	WATER	WATER	WATER
	SEAD-16	SEAD-16	SEAD-16	SEAD-16	SEAD-16	SEAD-16
SAMPLE DATE	11/19/93	11/17/93	11/17/93	11/17/93	11/17/93	11/17/93
ES ID	MW16-1	MW16-2	MW16-41	MW16-3	MW16-3RE	MW16-3RE
LAB ID	205058	204977	204980	204978		204978
UNITS			MW16-2DUP			
PESTICIDES/PCB						
alpha-BHC	ug/L	0.053 UJ	0.053 U	0.054 U	0.056 UJ	NS
beta-BHC	ug/L	0.053 UJ	0.053 U	0.054 U	0.056 UJ	NS
delta-BHC	ug/L	0.053 UJ	0.053 U	0.054 U	0.056 UJ	NS
gamma-BHC (Lindane)	ug/L	0.053 UJ	0.053 U	0.054 U	0.056 UJ	NS
Heptachlor	ug/L	0.053 UJ	0.053 U	0.054 U	0.056 UJ	NS
Aldrin	ug/L	0.053 UJ	0.053 U	0.054 U	0.056 UJ	NS
Heptachlor epoxide	ug/L	0.053 UJ	0.053 U	0.054 U	0.056 UJ	NS
Endosulfan I	ug/L	0.053 UJ	0.053 U	0.054 U	0.056 UJ	NS
Dieldrin	ug/L	0.11 UJ	0.11 U	0.11 U	0.11 UJ	NS
4,4'-DDE	ug/L	0.11 UJ	0.11 U	0.11 U	0.11 UJ	NS
Endrin	ug/L	0.11 UJ	0.11 U	0.11 U	0.11 UJ	NS
Endosulfan II	ug/L	0.11 UJ	0.11 U	0.11 U	0.11 UJ	NS
4,4'-DDD	ug/L	0.11 UJ	0.11 U	0.11 U	0.11 UJ	NS
Endosulfan sulfate	ug/L	0.11 UJ	0.11 U	0.11 U	0.11 UJ	NS
4,4'-DDT	ug/L	0.11 UJ	0.11 U	0.11 U	0.11 UJ	NS
Methoxychlor	ug/L	0.53 UJ	0.53 U	0.54 U	0.56 UJ	NS
Endrin ketone	ug/L	0.11 UJ	0.11 U	0.11 U	0.11 UJ	NS
Endrin aldehyde	ug/L	0.11 UJ	0.11 U	0.11 U	0.11 UJ	NS
alpha-Chlordane	ug/L	0.053 UJ	0.053 U	0.054 U	0.056 UJ	NS
gamma-Chlordane	ug/L	0.053 UJ	0.053 U	0.054 U	0.056 UJ	NS
Toxaphene	ug/L	5.3 UJ	5.3 U	5.4 U	5.6 UJ	NS
Aroclor-1016	ug/L	1.1 UJ	1.1 U	1.1 U	1.1 UJ	NS
Aroclor-1221	ug/L	2.1 UJ	2.1 U	2.2 U	2.2 UJ	NS
Aroclor-1232	ug/L	1.1 UJ	1.1 U	1.1 U	1.1 UJ	NS
Aroclor-1242	ug/L	1.1 UJ	1.1 U	1.1 U	1.1 UJ	NS
Aroclor-1248	ug/L	1.1 UJ	1.1 U	1.1 U	1.1 UJ	NS
Aroclor-1254	ug/L	1.1 UJ	1.1 U	1.1 U	1.1 UJ	NS
Aroclor-1260	ug/L	1.1 UJ	1.1 U	1.1 U	1.1 UJ	NS
METALS						
Aluminum	ug/L	53600	3500	4540	149000	NS
Antimony	ug/L	52.5 U	52.4 U	52.7 U	89.6	NS
Arsenic	ug/L	15.4	1 U	1.3 J	33.2	NS
Barium	ug/L	401	43 J	48.4 J	1170	NS
Beryllium	ug/L	3.1 J	0.3 U	0.3 U	8.1	NS
Cadmium	ug/L	3.3 U	3.3 U	3.3 U	3.9 J	NS
Calcium	ug/L	239000	114000	117000	477000	NS
Chromium	ug/L	88.5	6 J	6.9 J	293	NS
Cobalt	ug/L	59.9	4.9 U	4.9 U	166	NS
Copper	ug/L	64.2	12.1 J	14.8 J	2150	NS
Iron	ug/L	88100	5310	6400	246000	NS
Lead	ug/L	71.1	27.3	34.5	3240	NS
Magnesium	ug/L	42000	15200	15900	92000	NS
Manganese	ug/L	2110	167	189	6300	NS
Mercury	ug/L	0.07 UJ	0.07 UJ	0.07 UJ	3.9 J	NS
Nickel	ug/L	135	10.2 J	11.5 J	406	NS
Potassium	ug/L	10200	4810 J	4520 J	24800	NS
Selenium	ug/L	2.5 J	0.8 U	0.99 J	10.3	NS
Silver	ug/L	6.7 U	6.7 U	6.7 U	6.7 U	NS
Sodium	ug/L	7710 R	11400 R	11700 R	10500 R	NS
Thallium	ug/L	1.8 U	1.8 U	1.8 U	17.8 U	NS
Vanadium	ug/L	86.5	7.2 J	9.3 J	257	NS
Zinc	ug/L	460	30.4 R	33.4 R	3370	NS
Cyanide	ug/L	5 U	5.6 U	5.3 U	5.4 U	NS
OTHER ANALYSES						
Nitrate/Nitrite - Nitrogen	mg/L	0.11	0.86	0.77	0.23	NS
Total Petroleum Hydrocarbons	mg/L	NS	NS	NS	NS	NS
Fluoride	mg/L	NS	NS	NS	NS	NS
pH	standard units	7.3	7.57	NA	7.7	NS
Specific Conductivity	umhos/cm	575	525	NA	260	NS
Turbidity	NTU	NA(Cloudy)	NA(Clear)	NA	NA(Silty)	NS

SENECA ARMY DEPOT
SEAD-16 EXPANDED SITE INSPECTION
STANDING WATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER
	LOCATION	SEAD-16	SEAD-16
	SAMPLE DATE	12/06/93	12/06/93
	ES ID	SW16-1	SW16-2
	LAB ID	206187	206188
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
MTBE	ug/L	NS	NS
HERBICIDES			
2,4-D	ug/L	1.1 U	1.2 U
2,4-DB	ug/L	1.1 U	1.2 U
2,4,5-T	ug/L	0.11 U	0.12 U
2,4,5-TP (Silvex)	ug/L	0.11 U	0.12 U
Dalapon	ug/L	2.5 U	2.6 U
Dicamba	ug/L	0.11 U	0.12 U
Dichloroprop	ug/L	1.1 U	1.2 U
Dinoseb	ug/L	0.53 U	0.56 U
MCPA	ug/L	110 U	120 U
MCPP	ug/L	110 U	120 U
NITROAROMATICS			
HMX	ug/L	0.13 U	0.17 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	0.13 U	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

NOTES:

NS stands for NOT SAMPLED
NA stands for NOT ANALYZED

SENECA ARMY DEPOT
SEAD-16 EXPANDED SITE INSPECTION
STANDING WATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID UNITS	WATER SEAD-16 12/08/93 SW16-1 206187	WATER SEAD-16 12/08/93 SW16-2 206188
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	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
Berzo(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
Berzo(b)fluoranthene	ug/L	11 U	10 U
Berzo(k)fluoranthene	ug/L	11 U	10 U
Berzo(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
Berzo(g,h,i)perylene	ug/L	11 U	10 U

SENECA ARMY DEPOT
SEAD-16 EXPANDED SITE INSPECTION
STANDING WATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER
	LOCATION	SEAD-16	SEAD-16
	SAMPLE DATE	12/06/93	12/06/93
	ES ID	SW16-1	SW16-2
	LAB ID	206187	206188
	UNITS		
PESTICIDES/PCB			
alpha-BHC	ug/L	0.056 U	0.052 U
beta-BHC	ug/L	0.056 U	0.052 U
delta-BHC	ug/L	0.056 U	0.052 U
gamma-BHC (Lindane)	ug/L	0.056 U	0.052 U
Heptachlor	ug/L	0.056 U	0.052 U
Aldrin	ug/L	0.056 U	0.052 U
Heptachlor epoxide	ug/L	0.056 U	0.052 U
Endosulfan I	ug/L	0.056 U	0.052 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	0.52 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	0.052 U
gamma-Chlordane	ug/L	0.056 U	0.052 U
Toxaphene	ug/L	5.6 U	5.2 U
Aroclor-1016	ug/L	1.1 U	1 U
Aroclor-1221	ug/L	2.2 U	2.1 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	152 J	261
Antimony	ug/L	21.5 U	21.4 U
Arsenic	ug/L	0.8 U	0.8 U
Barium	ug/L	60.6 J	84.5 J
Beryllium	ug/L	0.4 U	0.4 U
Cadmium	ug/L	2.1 U	2.1 U
Calcium	ug/L	71700	53400
Chromium	ug/L	2.6 U	2.6 U
Cobalt	ug/L	4.4 U	4.4 U
Copper	ug/L	19.3 J	67.6
Iron	ug/L	281	551
Lead	ug/L	67.8	178
Magnesium	ug/L	9590	8170
Manganese	ug/L	8.7 J	33.9
Mercury	ug/L	0.1 J R	0.19 J R
Nickel	ug/L	4 U	5.2 J
Potassium	ug/L	2560 J	3120 J
Selenium	ug/L	1.1 J	0.7 U
Silver	ug/L	4.2 U	5.2 J
Sodium	ug/L	9220	8850
Thallium	ug/L	1.2 U	1.2 U
Vanadium	ug/L	3.7 J	4.5 J
Zinc	ug/L	34.7	380
Cyanide	ug/L	5 U	5 U
OTHER ANALYSES			
Nitrate/Nitrite-Nitrogen	mg/L	1.27	1.77
Total Petroleum Hydrocarbons	mg/L	NS	NS
Fluoride	mg/L	NS	NS
pH	standard units	NA	NA
Specific Conductivity	umhos/cm	NA	NA
Turbidity	NTU	NA	NA

**SENECA ARMY DEPOT
SEAD-16 EXPANDED SITE INSPECTION
BULK SAMPLE ASBESTOS ANALYSIS RESULTS**

ES Sample ID	Associated ES Sample ID	Asbestos (% Type)	Other Material
AS16-1		15 - 25 % Chrysotile 35 - 45 % Amosite	Binder
AS16-2		Not Detected	25 - 35 % Cellulose Binder Carbonate
AS16-3		10 - 15 % Chrysotile 45 - 55 % Amosite	Binder
AS16-4		Not Detected	35 - 45 % Cellulose Binder Carbonate
AS16-5		25 - 35 % Chrysotile	Binder Carbonate
AS16-6		25 - 35 % Chrysotile	Binder Carbonate
AS16-7		5 - 10 % Chrysotile	10 - 15 % Cellulose Tar
AS16-8		Not Detected	< 1 % Cellulose Binder Quartz
AS16-9		Not Detected	< 1 % Fiberglass 10 - 15 % Cellulose Binder Quartz
AS16-10		Not Detected	75 - 85 % Fiberglass Binder
AS16-11		Not Detected	< 1 % Fiberglass Binder
AS16-12		Not Detected	25 - 35 % Cellulose Binder
AS16-13		Not Detected	10 - 15 % Cellulose Binder
AS16-14		Not Detected	25 - 35 % Cellulose Binder
AS16-15		Not Detected	25 - 35 % Cellulose Binder
AS16-16		Not Detected	15 - 25 % Cellulose Binder Carbonate

SENECA ARMY DEPOT
SEAD-17 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-17 0-0.2 10/21/93 SS17-1 202037	SOIL SEAD-17 0-0.2 10/21/93 SS17-2 202038	SOIL SEAD-17 0-0.2 10/21/93 SS17-3 202039	SOIL SEAD-17 0-0.2 10/21/93 SS17-4 202040	SOIL SEAD-17 0-0.2 10/21/93 SS17-5 202041	SOIL SEAD-17 0-0.2 10/21/93 SS17-6 202042	SOIL SEAD-17 0-0.2 10/21/93 SS17-7 202043	SOIL SEAD-17 0-0.2 10/21/93 SS17-8 202044	SOIL SEAD-17 0-0.2 10/20/93 SS17-9 201895	SOIL SEAD-17 0-0.2 10/20/93 SS17-9RE 201895
VOLATILE ORGANICS											
Chloromethane	ug/Kg	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 UJ	10 UJ
Bromomethane	ug/Kg	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 UJ	10 UJ
Vinyl Chloride	ug/Kg	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 UJ	10 UJ
Chloroethane	ug/Kg	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 UJ	10 UJ
Methylene Chloride	ug/Kg	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 UJ	11 UJ
Acetone	ug/Kg	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 UJ	10 UJ
Carbon Disulfide	ug/Kg	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 UJ	10 UJ
1,1-Dichloroethane	ug/Kg	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 UJ	10 UJ
1,1-Dichloroethane	ug/Kg	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 UJ	10 UJ
1,2-Dichloroethane (total)	ug/Kg	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 UJ	10 UJ
Chloroform	ug/Kg	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 UJ	10 UJ
1,2-Dichloroethane	ug/Kg	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 UJ	10 UJ
2-Butanone	ug/Kg	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 UJ	10 UJ
1,1,1-Trichloroethane	ug/Kg	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 UJ	10 UJ
Carbon Tetrachloride	ug/Kg	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 UJ	10 UJ
Bromodichloromethane	ug/Kg	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 UJ	10 UJ
1,2-Dichloropropane	ug/Kg	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 UJ	10 UJ
cis-1,3-Dichloropropene	ug/Kg	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 UJ	10 UJ
Trichloroethene	ug/Kg	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 UJ	10 UJ
Dibromochloromethane	ug/Kg	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 UJ	10 UJ
1,1,2-Trichloroethane	ug/Kg	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 UJ	10 UJ
Benzene	ug/Kg	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 UJ	10 UJ
trans-1,3-Dichloropropene	ug/Kg	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 UJ	10 UJ
Bromoform	ug/Kg	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 UJ	10 UJ
4-Methyl-2-Pentanone	ug/Kg	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 UJ	10 UJ
2-Hexanone	ug/Kg	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 UJ	10 UJ
Tetrachloroethene	ug/Kg	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 UJ	10 UJ
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 UJ	10 UJ
Toluene	ug/Kg	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 UJ	10 UJ
Chlorobenzene	ug/Kg	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	4 J	1 J
Ethylbenzene	ug/Kg	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 UJ	10 UJ
Styrene	ug/Kg	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 UJ	10 UJ
Xylene (total)	ug/Kg	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 UJ	10 UJ
MTBE	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES											
2,4-D	ug/Kg	63 U	67 U	65 U	62 U	65 U	52 U	62 U	62 U	52 U	NS
2,4-DB	ug/Kg	63 U	67 U	65 U	62 U	65 U	52 U	62 U	62 U	52 U	NS
2,4,5-T	ug/Kg	6.3 U	6.7 U	6.5 U	6.2 U	6.5 U	5.2 U	6.2 U	6.2 U	5.2 U	NS
2,4,5-TP (Silvex)	ug/Kg	6.3 U	6.7 U	6.5 U	6.2 U	6.5 U	5.2 U	6.2 U	6.2 U	5.2 U	NS
Dalapon	ug/Kg	150 U	160 U	160 U	150 U	160 U	130 U	150 U	150 U	130 U	NS
Dicamba	ug/Kg	6.3 U	6.7 U	6.5 U	6.2 U	6.5 U	5.2 U	6.2 U	6.2 U	5.2 U	NS
Dichloroprop	ug/Kg	63 U	67 U	65 U	62 U	65 U	52 U	62 U	62 U	52 U	NS
Dinoseb	ug/Kg	32 U	34 U	33 U	31 U	33 U	26 U	31 U	31 U	26 U	NS
MCPA	ug/Kg	16000 U	6700 U	6500 U	6200 U	34000 U	5200 U	12000 U	6200 U	5200 U	NS
MCPP	ug/Kg	6300 U	6700 U	6500 U	6200 U	6500 U	5200 U	6200 U	6200 U	5200 U	NS
NITROAROMATICS											
HMX	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	NS
RDX	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	NS
1,3,5-Trinitrobenzene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	NS
1,3-Dinitrobenzene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	NS
Tetryl	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	NS
2,4,6-Trinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	NS
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	NS
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	NS
2,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	NS
2,4-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	170	130 U	130 U	130 U	NS

NOTES:
NS stands for NOT SAMPLED
NA stands for NOT ANALYZED

SENECA ARMY DEPOT
SEAD-17 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-17 0-0.2 10/21/93 SS17-1 202037	SOIL SEAD-17 0-0.2 10/21/93 SS17-2 202038	SOIL SEAD-17 0-0.2 10/21/93 SS17-3 202039	SOIL SEAD-17 0-0.2 10/21/93 SS17-4 202040	SOIL SEAD-17 0-0.2 10/21/93 SS17-5 202041	SOIL SEAD-17 0-0.2 10/21/93 SS17-6 202042	SOIL SEAD-17 0-0.2 10/21/93 SS17-7 202043	SOIL SEAD-17 0-0.2 10/21/93 SS17-8 202044	SOIL SEAD-17 0-0.2 10/20/93 SS17-9 201895	SOIL SEAD-17 0-0.2 10/20/93 SS17-9RE 201895	
SEMIVOLATILE ORGANICS											
Phend	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
bis(2-Chloroethyl) ether	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
2-Chlorophend	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
1,3-Dichlorobenzene	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
1,4-Dichlorobenzene	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
1,2-Dichlorobenzene	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
2-Methylphend	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
2,2'-oxybis(1-Chloropropane)	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
4-Methylphend	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
N-Nitroso-di-n-propylamine	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
Hexachloroethane	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
Nitrobenzene	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
Isophorona	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
2-Nitrophenol	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
2,4-Dimethylphend	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
bis(2-Chloroethoxy) methane	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
2,4-Dichlorophenol	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
1,2,4-Trichlorobenzene	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
Naphthalene	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
4-Chloroaniline	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
Hexachlorobutadiene	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
4-Chloro-3-methylphenol	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
2-Methylnaphthalene	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
Hexachlorocyclopentadiene	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
2,4,6-Trichlorophenol	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
2,4,5-Trichlorophenol	ug/Kg 1000 U	1100 U	1000 U	990 U	1000 U	830 U	990 U	1000 U	830 U	NS	
2-Chloronaphthalene	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
2-Nitroaniline	ug/Kg 1000 U	1100 U	1000 U	990 U	1000 U	830 U	990 U	1000 U	830 U	NS	
Dimethylphthalate	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
Aceraphthylene	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
2,6-Dinitrotoluene	ug/Kg 420 U	450 U	430 U	70 J	430 U	340 U	410 U	410 U	340 U	NS	
3-Nitroaniline	ug/Kg 1000 U	1100 U	1000 U	990 U	1000 U	830 U	990 U	1000 U	830 U	NS	
Aceraphthene	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
2,4-Dinitrophenol	ug/Kg 1000 U	1100 U	1000 U	990 U	1000 U	830 U	990 U	1000 U	830 U	NS	
4-Nitrophenol	ug/Kg 1000 U	1100 U	1000 U	990 U	1000 U	830 U	990 U	1000 U	830 U	NS	
Dibenzofuran	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
2,4-Dinitrotoluene	ug/Kg 420 U	450 U	430 U	1400	430 U	340 U	410 U	410 U	340 U	NS	
Diethylphthalate	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
4-Chlorophenyl-phenylether	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
Fluorene	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
4-Nitroaniline	ug/Kg 1000 U	1100 U	1000 U	990 U	1000 U	830 U	990 U	1000 U	830 U	NS	
4,6-Dinitro-2-methylphenol	ug/Kg 1000 U	1100 U	1000 U	990 U	1000 U	830 U	990 U	1000 U	830 U	NS	
N-Nitrosodiphenylamine	ug/Kg 420 U	450 U	430 U	27 J	430 U	340 U	410 U	410 U	340 U	NS	
4-Bromophenyl-phenylether	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
Hexachlorobenzene	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
Pentachlorophend	ug/Kg 1000 U	1100 U	1000 U	990 U	1000 U	830 U	990 U	1000 U	830 U	NS	
Phenanthrene	ug/Kg 120 J	450 U	430 U	33 J	430 U	36 J	410 U	46 J	31 J	NS	
Anthracene	ug/Kg 23 J	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
Carbazole	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
Di-n-butylphthalate	ug/Kg 51 J	76 J	45 J	89 J	87 J	60 J	97 J	35 J	340 U	NS	
Fluoranthene	ug/Kg 190 J	47 J	430 U	54 J	33 J	48 J	21 J	71 J	41 J	NS	
Pyrene	ug/Kg 170 J	47 J	430 U	44 J	33 J	43 J	63 J	37 J	340 U	NS	
Butylbenzylphthalate	ug/Kg 420 U	450 U	430 U	410 U	430 U	37 J	410 U	410 U	340 U	NS	
3,3'-Dichlorobenzidine	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
Berzo(a)anthracene	ug/Kg 72 J	23 J	430 U	22 J	430 U	19 J	410 U	30 J	16 J	NS	
Chrysene	ug/Kg 75 J	29 J	430 U	32 J	430 U	31 J	410 U	36 J	28 J	NS	
bis(2-Ethylhexyl)phthalate	ug/Kg 530	330 J	290 J	390 J	600	340 U	410 U	410 U	340 U	NS	
Di-n-octylphthalate	ug/Kg 420 U	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
Berzo(b)fluoranthene	ug/Kg 70 J	28 J	430 U	28 J	430 U	26 J	410 U	27 J	17 J	NS	
Berzo(k)fluoranthene	ug/Kg 49 J	450 U	430 U	410 U	430 U	18 J	410 U	23 J	17 J	NS	
Berzo(a)pyrene	ug/Kg 58 J	24 J	430 U	410 U	430 U	340 U	410 U	24 J	340 U	NS	
Indeno(1,2,3-cd)pyrene	ug/Kg 62 J	30 J	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
Dibenz(a,h)anthracene	ug/Kg 40 J	450 U	430 U	410 U	430 U	340 U	410 U	410 U	340 U	NS	
Berzo(g,h,i)perylene	ug/Kg 63 J	31 J	430 U	28 J	22 J	340 U	410 U	410 U	340 U	NS	

SENECA ARMY DEPOT
SEAD-17 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-17 0-0.2 10/21/93 SS17-1 202037	SOIL SEAD-17 0-0.2 10/21/93 SS17-2 202038	SOIL SEAD-17 0-0.2 10/21/93 SS17-3 202039	SOIL SEAD-17 0-0.2 10/21/93 SS17-4 202040	SOIL SEAD-17 0-0.2 10/21/93 SS17-5 202041	SOIL SEAD-17 0-0.2 10/21/93 SS17-6 202042	SOIL SEAD-17 0-0.2 10/21/93 SS17-7 202043	SOIL SEAD-17 0-0.2 10/21/93 SS17-8 202044	SOIL SEAD-17 0-0.2 10/20/93 SS17-9 201895	SOIL SEAD-17 0-0.2 10/20/93 SS17-9RE 201895
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2.1 U	2.3 U	2.2 U	2.1 U	2.2 U	1.8 U	2.1 U	2.1 U	1.8 U	NS
beta-BHC	ug/Kg	2.1 U	2.3 U	2.2 U	2.1 U	2.2 U	1.8 U	2.1 U	2.1 U	1.8 U	NS
delta-BHC	ug/Kg	2.1 U	2.3 U	2.2 U	2.1 U	2.2 U	1.8 U	2.1 U	2.1 U	1.8 U	NS
gamma-BHC (Lindane)	ug/Kg	2.1 U	2.3 U	2.2 U	2.1 U	2.2 U	1.8 U	2.1 U	2.1 U	1.8 U	NS
Heptachlor	ug/Kg	2.1 U	2.3 U	2.2 U	2.1 U	2.2 U	1.8 U	2.1 U	2.1 U	1.8 U	NS
Aldrin	ug/Kg	2.1 U	2.3 U	2.2 U	2.1 U	2.2 U	1.8 U	2.1 U	2.1 U	1.8 U	NS
Heptachlor epoxide	ug/Kg	2.1 U	2.3 U	2.2 U	2.1 U	2.2 U	1.8 U	2.1 U	2.1 U	1.8 U	NS
Endosulfan I	ug/Kg	2.1 U	2.3 U	2.2 U	2.1 U	2.2 U	1.8 U	2.1 U	2.1 U	1.8 U	NS
Dieldrin	ug/Kg	4.1 U	4.4 U	4.3 U	4.1 U	4.3 U	3.4 U	4 U	4.1 U	3.4 U	NS
4,4'-DDE	ug/Kg	5.2	4.4 U	4.3 U	2.2	4.3 U	11	3.2 J	3.4 J	8.8	NS
Endrin	ug/Kg	4.1 U	4.4 U	4.3 U	4.1 U	4.3 U	3.4 U	4 U	4.1 U	3.4 U	NS
Endosulfan II	ug/Kg	4.1 U	4.4 U	4.3 U	4.1 U	4.3 U	3.4 U	4 U	4.1 U	3.4 U	NS
4,4'-DDD	ug/Kg	4.7 J	4.4 U	4.3 U	4.1 U	4.3 U	3.4 U	4 U	4.1 U	3.4 U	NS
Endosulfan sulfate	ug/Kg	4.1 U	4.4 U	4.3 U	4.1 U	4.3 U	3.4 U	4 U	4.1 U	3.4 U	NS
4,4'-DDT	ug/Kg	4.1 U	4.4 U	4.3 U	2.6 J	4.3 U	1.9 J	4 U	4.1 U	3.4 U	NS
Methoxychlor	ug/Kg	21 U	23 U	22 U	21 U	22 U	18 U	21 U	21 U	18 U	NS
Endrin ketone	ug/Kg	4.1 U	4.4 U	4.3 U	4.1 U	4.3 U	3.4 U	4 U	4.1 U	3.4 U	NS
Endrin aldehyde	ug/Kg	4.1 U	4.4 U	4.3 U	4.1 U	4.3 U	3.4 U	4 U	4.1 U	3.4 U	NS
alpha-Chlordane	ug/Kg	2.1 U	2.3 U	2.2 U	2.1 U	2.2 U	1.8 U	2.1 U	2.1 U	1.8 U	NS
gamma-Chlordane	ug/Kg	2.1 U	2.3 U	2.2 U	2.1 U	2.2 U	1.8 U	2.1 U	2.1 U	1.8 U	NS
Toxaphene	ug/Kg	210 U	230 U	220 U	210 U	220 U	180 U	210 U	210 U	180 U	NS
Aroclor-1016	ug/Kg	41 U	44 U	43 U	41 U	43 U	34 U	40 U	41 U	34 U	NS
Aroclor-1221	ug/Kg	84 U	90 U	86 U	83 U	87 U	70 U	82 U	84 U	70 U	NS
Aroclor-1232	ug/Kg	41 U	44 U	43 U	41 U	43 U	34 U	40 U	41 U	34 U	NS
Aroclor-1242	ug/Kg	41 U	44 U	43 U	41 U	43 U	34 U	40 U	41 U	34 U	NS
Aroclor-1248	ug/Kg	41 U	44 U	43 U	41 U	43 U	34 U	40 U	41 U	34 U	NS
Aroclor-1254	ug/Kg	41 U	44 U	43 U	41 U	43 U	34 U	40 U	41 U	34 U	NS
Aroclor-1260	ug/Kg	41 U	44 U	43 U	41 U	43 U	34 U	40 U	41 U	34 U	NS
METALS											
Aluminum	mg/Kg	11800	14900	15200	10800	17300	10900	16600	14300	3790	NS
Antimony	mg/Kg	12.9 U	10.4 U	13.6 U	12.5 U	10 U	12.9	8.2 J	7.4 J	10.7	NS
Arsenic	mg/Kg	6	5.4	5	6.8	7.4	16.1	8.2	8.5	4.8	NS
Barium	mg/Kg	102	122	102	192	146	352	447	337	78.7	NS
Beryllium	mg/Kg	0.5 J	0.58 J	0.42 J	0.52 J	0.81 J	0.5 J	0.76 J	0.69	0.16 J	NS
Cadmium	mg/Kg	2.3	1.6	2.2	4.9	3.7	9.9	7.3	5.1	6.3	NS
Calcium	mg/Kg	99300	2830	2180	117000	2740	89300	3780	110000	177000	NS
Chromium	mg/Kg	18.6	19	18.8	18.3	23.6	22.5	23.4	23.9	10	NS
Cobalt	mg/Kg	6.1 J	6.4 J	5.7 J	10.4 J	9.6	11.3	14.7	13.8	4.7 J	NS
Copper	mg/Kg	81	54.4	39.3	249	73	362	423	654	136	NS
Iron	mg/Kg	16400	20800	19300	19400	25000	24300	26400	27600	8020	NS
Lead	mg/Kg	594	371	375	1660	577	3150	2310	2190	1340	NS
Magnesium	mg/Kg	7430	3110	2540	6900	3670	8640	4520	8380	17300	NS
Manganese	mg/Kg	430	319	277	431	737	399	431	590	270 J	NS
Mercury	mg/Kg	0.07 J	1 J	0.07 J	0.07 J	0.9 J	0.06 J	0.1 J	0.09 J	0.04 J	NS
Nickel	mg/Kg	19.8	18.3	14.1	28	24.9	37.7	29.1	43.7	16.4	NS
Potassium	mg/Kg	1500	1080	1060 J	1380	1520	1420	1370	1520	1110	NS
Selenium	mg/Kg	0.26 J	0.27 UJ	0.37 J	0.36 J	0.23 UJ	0.68 J	0.25 UJ	0.16 J	0.21 J	NS
Silver	mg/Kg	1.6 UJ	1.3 UJ	1.7 UJ	1.8 UJ	1.3 UJ	2.8 J	1 UJ	4 J	5.5	NS
Sodium	mg/Kg	147 J	33.7 J	33.5 J	144 J	53.1 J	168 J	66.9 J	144 J	247 J	NS
Thallium	mg/Kg	0.24 U	0.3 U	0.26 U	0.25 U	0.25 U	2 U	0.27 U	0.22 J	0.17 U	NS
Vanadium	mg/Kg	21	26.6	29.2	17.5	29.7	16.3	28.8	22.2	8.9	NS
Zinc	mg/Kg	200	136	129	324	237	497	437	613	120	NS
Cyanide	mg/Kg	0.74 U	0.79 U	0.75 U	0.68 U	0.78 U	0.46 U	0.61 U	0.59 U	0.59 U	NS
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg	0.21	0.67	0.13	0.51	0.17	3.8	0.15	0.08	3.5	NS
Total Solids	%W/W	79.5	73.7	76.8	81.3	76.9	95.7	80.9	79.8	96.5	NS
Total Petroleum Hydrocarbons	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoride	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
pH	standard units	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

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SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-17 0-0.2 11/09/93 SS17-10 204035	SOIL SEAD-17 0-0.2 11/09/93 SS17-11 204037	SOIL SEAD-17 0-0.2 10/21/93 SS17-12 202047	SOIL SEAD-17 0-0.2 10/20/93 SS17-13 201896	SOIL SEAD-17 0-0.2 10/21/93 SS17-14 202048	SOIL SEAD-17 0-0.2 10/20/93 SS17-15 201897	SOIL SEAD-17 0-0.2 10/21/93 SS17-16 202049	SOIL SEAD-17 0-0.2 10/21/93 SS17-17 202050	SOIL SEAD-17 0-0.2 10/22/93 SS17-18 202051	SOIL SEAD-17 0-0.2 10/22/93 SS17-24 202077 SS17-18DUP	
VOLATILE ORGANICS												
Chloromethane	ug/Kg	11 U	13 U	12 U	11 U	11 U	11 U R	13 U	14 U	13 U	13 UJ	
Bromomethane	ug/Kg	11 U	13 U	12 U	11 U	11 U	11 U R	13 U	14 U	13 U	13 UJ	
Vinyl Chloride	ug/Kg	11 U	13 U	12 U	11 U	11 U	11 U R	13 U	14 U	13 U	13 UJ	
Chloroethane	ug/Kg	11 U	13 U	12 U	11 U	11 U	11 U R	13 U	14 U	13 U	13 UJ	
Methylene Chloride	ug/Kg	11 U	13 U	12 U	4 J	11 U	11 U R	13 U	14 U	13 U	13 UJ	
Acetone	ug/Kg	11 U	13 U	12 U	7 J	11 U	11 U R	13 U	14 U	13 U	13 UJ	
Carbon Disulfide	ug/Kg	11 U	13 U	12 U	11 U	11 U	11 U R	13 U	14 U	13 U	15 J	
1,1-Dichloroethane	ug/Kg	11 U	13 U	12 U	11 U	11 U	11 U R	13 U	14 U	13 U	13 UJ	
1,1-Dichloroethane	ug/Kg	11 U	13 U	12 U	11 U	11 U	11 U R	13 U	14 U	13 U	13 UJ	
1,2-Dichloroethane (total)	ug/Kg	11 U	13 U	12 U	11 U	11 U	11 U R	13 U	14 U	13 U	13 UJ	
Chloroform	ug/Kg	11 U	13 U	12 U	11 U	11 U	11 U R	13 U	14 U	13 U	13 UJ	
1,2-Dichloroethane	ug/Kg	11 U	13 U	12 U	11 U	11 U	11 U R	13 U	14 U	13 U	13 UJ	
2-Butanone	ug/Kg	11 U	13 U	12 U	11 U	11 U	11 U R	13 U	14 U	13 U	13 UJ	
1,1,1-Trichloroethane	ug/Kg	11 U	13 U	12 U	11 U	11 U	11 U R	13 U	14 U	13 U	13 UJ	
Carbon Tetrachloride	ug/Kg	11 U	13 U	12 U	11 U	11 U	11 U R	13 U	14 U	13 U	13 UJ	
Bromochloromethane	ug/Kg	11 U	13 U	12 U	11 U	11 U	11 U R	13 U	14 U	13 U	13 UJ	
1,2-Dichloropropane	ug/Kg	11 U	13 U	12 U	11 U	11 U	11 U R	13 U	14 U	13 U	13 UJ	
cis-1,3-Dichloropropene	ug/Kg	11 U	13 U	12 U	11 U	11 U	11 U R	13 U	14 U	13 U	13 UJ	
Trichloroethene	ug/Kg	11 U	13 U	12 U	11 U	11 U	11 U R	13 U	14 U	13 U	13 UJ	
Dibromochloromethane	ug/Kg	11 U	13 U	12 U	11 U	11 U	11 U R	13 U	14 U	13 U	13 UJ	
1,1,2-Trichloroethane	ug/Kg	11 U	13 U	12 U	11 U	11 U	11 U R	13 U	14 U	13 U	13 UJ	
Benzene	ug/Kg	11 U	13 U	12 U	11 U	11 U	11 U R	13 U	14 U	13 U	13 UJ	
trans-1,3-Dichloropropene	ug/Kg	11 U	13 U	12 U	11 U	11 U	11 U R	13 U	14 U	13 U	13 UJ	
Bromoform	ug/Kg	11 U	13 U	12 U	11 U	11 U	11 U R	13 U	14 U	13 U	13 UJ	
4-Methyl-2-Pentanone	ug/Kg	11 U	13 U	12 U	11 U	11 U	11 U R	13 U	14 U	13 U	13 UJ	
2-Hexanone	ug/Kg	11 U	13 U	12 U	11 U	11 U	11 U R	13 U	14 U	13 U	13 UJ	
Tetrachloroethene	ug/Kg	11 U	13 U	12 U	11 U	11 U	11 U R	13 U	14 U	13 U	13 UJ	
1,1,2,2-Tetrachloroethane	ug/Kg	11 U	13 U	12 U	11 U	11 U	11 U R	13 U	14 U	13 U	13 UJ	
Toluene	ug/Kg	11 U	13 U	12 U	1 J	11 U	11 U R	13 U	14 U	13 U	13 UJ	
Chlorobenzene	ug/Kg	11 U	13 U	12 U	11 U	11 U	11 U R	13 U	14 U	13 U	13 UJ	
Ethylbenzene	ug/Kg	11 U	13 U	12 U	11 U	11 U	11 U R	13 U	14 U	13 U	13 UJ	
Styrene	ug/Kg	11 U	13 U	12 U	11 U	11 U	11 U R	13 U	14 U	13 U	13 UJ	
Xylene (total)	ug/Kg	11 U	13 U	12 U	11 U	11 U	11 U R	13 U	14 U	13 U	13 UJ	
MTBE	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
HERBICIDES												
2,4-D	ug/Kg	53 U	63 U	59 U	54 U	53 U	53 U	66 U	66 U	66 UJ	66 U	
2,4-DB	ug/Kg	53 U	63 U	59 U	54 U	53 U	53 U	66 U	66 U	66 UJ	66 U	
2,4,5-T	ug/Kg	5.3 U	6.3 U	5.9 U	5.4 U	5.3 U	5.3 U	6.8 U	6.8 U	6.6 UJ	6.8 U	
2,4,5-TP (Silvex)	ug/Kg	5.3 U	6.3 U	5.9 U	5.4 U	5.3 U	5.3 U	6.8 U	6.8 U	6.6 UJ	6.8 U	
Dalapon	ug/Kg	130 U	150 U	150 U	130 U	130 U	130 U	170 U	160 U	160 UJ	160 U	
Dicamba	ug/Kg	5.3 U	6.3 U	5.9 U	5.4 U	5.3 U	5.3 U	6.8 U	6.8 U	6.6 UJ	6.8 U	
Dichloroprop	ug/Kg	53 U	63 U	59 U	54 U	53 U	53 U	66 U	66 U	66 UJ	66 U	
Dinoseb	ug/Kg	27 U	32 U	30 U	27 U	27 U	27 U	34 U	33 U	33 UJ	33 U	
MCPA	ug/Kg	5300 U	6300 U	5900 U	5400 U	5300 U	5300 U	6600 U	6600 U	6600 UJ	6600 U	
MCPP	ug/Kg	5300 U	6300 U	5900 U	5400 U	5300 U	5300 U	6600 U	6600 U	6600 UJ	6600 U	
NITROAROMATICS												
HMX	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U R	130 U	
RDX	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U R	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 R	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 R	130 U	
Tetryl	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U R	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 R	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 R	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 R	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 R	130 U	
2,4-Dinitrotoluene	ug/Kg	330 J	130 U	130 U	130	130 U	130 U	130 U	130 U	130 U R	72 J	

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SEMIVOLATILE ORGANICS												
Phend	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
bis(2-Chloroethyl) ether	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
2-Chlorophend	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
1,3-Dichlorobenzene	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
1,4-Dichlorobenzene	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
1,2-Dichlorobenzene	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
2-Methylphend	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
4-Methylphend	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
N-Nitroso-di-n-propylamine	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
Hexachloroethane	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
Nitrobenzene	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
Isophorone	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
2-Nitrophenol	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
2,4-Dimethylphenol	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
bis(2-Chloroethoxy) methane	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
2,4-Dichlorophenol	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
1,2,4-Trichlorobenzene	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
Naphthalene	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
4-Chloroaniline	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
Hexachlorobutadiene	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
4-Chloro-3-methylphenol	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
2-Methylnaphthalene	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
Hexachlorocyclopentadiene	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
2,4,6-Trichlorophenol	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
2,4,5-Trichlorophenol	ug/Kg	850 U	1000 U	940 U	860 U	850 UJ	850 U R	1100 U	1100 U	1100 U	1000 U	
2-Chloronaphthalene	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
2-Nitroaniline	ug/Kg	850 U	1000 U	940 U	860 U	850 UJ	850 U R	1100 U	1100 U	1100 U	1000 U	
Dimethylnaphthalene	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
Acenaphthylene	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
2,6-Dinitrotoluene	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
3-Nitroaniline	ug/Kg	850 U	1000 U	940 U	860 U	850 UJ	850 U R	1100 U	1100 U	1100 U	1000 U	
Acenaphthene	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
2,4-Dinitrophenol	ug/Kg	850 U	1000 U	940 U	860 U	850 UJ	850 U R	1100 U	1100 U	1100 U	1000 U	
4-Nitrophenol	ug/Kg	850 U	1000 U	940 U	860 U	850 UJ	850 U R	1100 U	1100 U	1100 U	1000 U	
Dibenzofuran	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
2,4-Dinitrotoluene	ug/Kg	61 J	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	24 J	430 U	
Diethylphthalate	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
4-Chlorophenyl-phenylether	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
Fluorene	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
4-Nitroaniline	ug/Kg	850 U	1000 U	940 U	860 U	850 UJ	850 U R	1100 U	1100 U	1100 U	1000 U	
4,6-Dinitro-2-methylphenol	ug/Kg	850 U	1000 U	940 U	860 U	850 UJ	850 U R	1100 U	1100 U	1100 U	1000 U	
N-Nitrosodiphenylamine	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
4-Bromophenyl-phenylether	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
Hexachlorobenzene	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
Pentachlorophend	ug/Kg	850 U	1000 U	940 U	860 U	850 UJ	850 U R	1100 U	1100 U	1100 U	1000 U	
Phenanthrene	ug/Kg	72 J	420 U	390 U	19 J	350 UJ	350 U R	450 U	430 U	48 J	34 J	
Anthracene	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
Carbazole	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
Di-n-butylphthalate	ug/Kg	48 J	66 J	210 J	21 J	350 UJ	350 U R	340 J	480	500	430 U	
Fluoranthene	ug/Kg	150 J	420 U	390 U	19 J	350 UJ	350 U R	31 J	23 J	88 J	38 J	
Pyrene	ug/Kg	110 J	26 J	390 U	17 J	350 UJ	350 U R	28 J	430 U	73 J	52 J	
Butylbenzylphthalate	ug/Kg	46 J	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
3,3'-Dichlorobenzidine	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
Benzo(a)anthracene	ug/Kg	38 J	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	31 J	430 U	
Chrysene	ug/Kg	78 J	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	55 J	38 J	
bis(2-Ethylhexyl)phthalate	ug/Kg	810 U	1300	390 U	460 J	50 J	350 U R	450 U	430 U	1200	1300	
Di-n-octylphthalate	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
Benzo(b)fluoranthene	ug/Kg	50 J	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	46 J	32 J	
Benzo(k)fluoranthene	ug/Kg	38 J	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	37 J	24 J	
Benzo(a)pyrene	ug/Kg	32 J	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	31 J	430 U	
Indeno(1,2,3-cd)pyrene	ug/Kg	25 J	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	40 J	430 U	
Dibenz(a,h)anthracene	ug/Kg	350 U	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	430 U	430 U	
Benzo(g,h,i)perylene	ug/Kg	27 J	420 U	390 U	350 U	350 UJ	350 U R	450 U	430 U	42 J	430 U	

SENECA ARMY DEPOT
SEAD-17 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-17 11/09/93 SS17-10 204035	SOIL SEAD-17 11/09/93 SS17-11 204037	SOIL SEAD-17 10/21/93 SS17-12 202047	SOIL SEAD-17 10/20/93 SS17-13 201896	SOIL SEAD-17 10/21/93 SS17-14 202048	SOIL SEAD-17 10/20/93 SS17-15 201897	SOIL SEAD-17 10/21/93 SS17-16 202049	SOIL SEAD-17 10/20/93 SS17-17 202050	SOIL SEAD-17 10/22/93 SS17-18 202051	SOIL SEAD-17 10/22/93 SS17-19 202077	SOIL SEAD-17 10/22/93 SS17-20 202077
PESTICIDES/PCB												
alpha-BHC	ug/Kg	1.8 U	2.2 U	2 U	1.8 UJ	1.8 U	1.8 U	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U
beta-BHC	ug/Kg	1.8 U	2.2 U	2 U	1.8 UJ	1.8 U	1.8 U	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U
delta-BHC	ug/Kg	1.8 U	2.2 U	2 U	1.8 UJ	1.8 U	1.8 U	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U
gamma-BHC (Lindane)	ug/Kg	1.8 U	2.2 U	2 U	1.8 UJ	1.8 U	1.8 U	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U
Heptachlor	ug/Kg	1.8 U	2.2 U	2 U	1.8 UJ	1.8 U	1.8 U	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U
Aldrin	ug/Kg	1.8 U	2.2 U	2 U	1.8 UJ	1.8 U	1.8 U	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U
Heptachlor epoxide	ug/Kg	1.8 U	2.2 U	2 U	1.8 UJ	1.8 U	1.8 U	2.3 U	2.2 U	1.1 J	2.2 U	2.2 U
Endosulfan I	ug/Kg	1.8 U	2.2 U	2 U	0.76 J	1.8 U	1.8 U	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U
Dieldrin	ug/Kg	3.5 U	62	3.9 U	3.5 UJ	3.5 U	3.5 U	4.5 U	4.3 U	4.3 U	4.3 U	4.3 U
4,4'-DDE	ug/Kg	37	4.2 U	2.9 J	11 J	2.7 J	3.5 U	4.5 U	4.3 U	17	17	17
Endrin	ug/Kg	3.5 U	4.2 U	3.9 U	3.5 UJ	3.5 U	3.5 U	4.5 U	4.3 U	4.3 U	4.3 U	4.3 U
Endosulfan II	ug/Kg	3.5 U	4.2 U	3.9 U	3.5 UJ	3.5 U	3.5 U	4.5 U	4.3 U	4.3 U	4.3 U	4.3 U
4,4'-DDD	ug/Kg	3.5 U	4.2 U	3.9 U	3.5 UJ	3.5 U	3.5 U	4.5 U	4.3 U	4.3 U	4.3 U	4.3 U
Endosulfan sulfate	ug/Kg	3.5 U	4.2 U	3.9 U	3.5 UJ	3.5 U	3.5 U	4.5 U	4.3 U	4.3 U	4.3 U	4.3 U
4,4'-DDT	ug/Kg	10	4.2 U	3.9 U	4.9 J	3.5 U	3.5 U	4.5 U	4.3 U	7	7	7
Methoxychlor	ug/Kg	18 U	22 U	20 U	18 UJ	18 U	18 U	23 U	22 U	22 U	22 U	22 U
Endrin ketone	ug/Kg	3.5 U	4.2 U	3.9 U	3.5 UJ	3.5 U	3.5 U	4.5 U	4.3 U	4.3 U	4.3 U	4.3 U
Endrin aldehyde	ug/Kg	3.5 U	4.2 U	3.9 U	3.5 UJ	3.5 U	3.5 U	4.5 U	4.3 U	4.3 U	4.3 U	4.3 U
alpha-Chlordane	ug/Kg	1.8 U	2.2 U	2 U	1.8 UJ	1.8 U	1.8 U	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U
gamma-Chlordane	ug/Kg	1.8 U	2.2 U	2 U	1.8 UJ	1.8 U	1.8 U	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U
Toxaphene	ug/Kg	180 U	220 U	200 U	180 UJ	180 U	180 U	230 U	220 U	220 U	220 U	220 U
Aroclor-1016	ug/Kg	35 U	42 U	39 U	35 UJ	35 U	35 U	45 U	43 U	43 U	43 U	43 U
Aroclor-1221	ug/Kg	71 U	85 U	79 U	72 UJ	71 U	71 U	91 U	88 U	88 U	88 U	88 U
Aroclor-1232	ug/Kg	35 U	42 U	39 U	35 UJ	35 U	35 U	45 U	43 U	43 U	43 U	43 U
Aroclor-1242	ug/Kg	35 U	42 U	39 U	35 UJ	35 U	35 U	45 U	43 U	43 U	43 U	43 U
Aroclor-1248	ug/Kg	35 U	42 U	39 U	35 UJ	35 U	35 U	45 U	43 U	43 U	43 U	43 U
Aroclor-1254	ug/Kg	35 U	42 U	39 U	35 UJ	35 U	35 U	45 U	43 U	43 U	43 U	43 U
Aroclor-1260	ug/Kg	35 U	42 U	39 U	35 UJ	35 U	35 U	45 U	43 U	43 U	43 U	43 U
METALS												
Aluminum	mg/Kg	9990 J	14200	13100	10700	4880	12600	17300	14100	14400	14400	18400
Antimony	mg/Kg	52 J	12.4 U	10.8 U	39.2	11.4 J	9.8 U	12.4 U	11.6 U	15.3	17.4 J	17.4 J
Arsenic	mg/Kg	7 J	4.5 J	8.5	6.7	10.6	6.1	8.5	5.7	8.4	9.1	9.1
Barium	mg/Kg	357 J	189	203	343	199	122	210	132	452	447	447
Beryllium	mg/Kg	0.48 J	0.73 J	0.59 J	0.5 J	0.34 J	0.54 J	0.82 J	0.74 J	0.71	0.87 J	0.87 J
Cadmium	mg/Kg	21.7	1.2	4.5	8.3	10.8	0.93 J	2.3	2	14.3	14.3	14.3
Calcium	mg/Kg	113000 J	4670	88400	104000	209000	37800	4760	3400	39800	27600	27600
Chromium	mg/Kg	21.3 J	19.7	20	23.8	9.8	23.1	23	19.7	23.9	27.2	27.2
Cobalt	mg/Kg	9.9 J	9.3 J	12.3	8 J	5.8 J	12	7.7 J	21.9	11.9	12.5	12.5
Copper	mg/Kg	546 J	60.7 J	202	404	499	94.5	182	47.8	409	378 J	378 J
Iron	mg/Kg	21600 J	23100	23600	19500	11100	27500	24200	23400	25300	28000	28000
Lead	mg/Kg	6340	329	1210	2940	1310	472	595	373	2780	2310	2310
Magnesium	mg/Kg	9830 J	3640	6600	8890	8330	8880	4170	3520	7590	6910	6910
Manganese	mg/Kg	392 J	685	595	314 J	221	324 J	613	880	525	611	611
Mercury	mg/Kg	0.03 UJ	0.07 J	0.07 J	0.03 J	0.1 J	0.05 J	0.36 J	0.07 J	0.09 J	0.07	0.07
Nickel	mg/Kg	34.6 J	21.3	33.9	31.9	28.5	43.5	25.2	23.5	39.5	40.4	40.4
Potassium	mg/Kg	1350 J	1210	1260	1610	1370	1810	1810	1070 J	1570	2260	2260
Selenium	mg/Kg	1.6 J	0.64 J	0.23 UJ	0.47 J	0.34 J	0.2 J	0.25 UJ	0.25 UJ	0.19 J	0.45 J	0.45 J
Silver	mg/Kg	4.8 J	1.6 UJ	1.4 UJ	5.2	3.8 J	1.2 U	1.8 UJ	1.5 UJ	4.7 J	3.2	3.2
Sodium	mg/Kg	197 J	49.8 J	121 J	249 J	179 J	167 J	56.6 J	71.3 J	109 J	129 J	129 J
Thallium	mg/Kg	0.22 UJ	0.22 UJ	0.25 U	0.21 U	1.3 U	0.21 U	0.27 U	0.28 U	0.19 U	0.27 U	0.27 U
Vanadium	mg/Kg	15.3 J	25.9	20	17.7	10.2 J	18.3	29.8	25.5	23.6	30	30
Zinc	mg/Kg	620 J	110 J	574	315	480	155	150	140	1530	1420	1420
Cyanide	mg/Kg	0.51 UJ	0.6 U	0.58 U	0.62 U	0.53 U	0.62 U	0.64 U	0.65 U	0.63 U	0.11 U	0.11 U
OTHER ANALYSES												
Nitrate/Nitrite-Nitrogen	mg/Kg	0.1	2.4	0.06	0.81	1.1	0.84	0.21	0.14	0.13	0.08	0.08
Total Solids	%W/W	93.7	78.8	85	92.6	93.8	94.2	73.5	75.7	76.2	75.6	75.6
Total Petroleum Hydrocarbons	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoride	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
pH	standard units	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-17 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-17 0-0.2 10/22/93	SOIL SEAD-17 0-0.2 10/21/93	SOIL SEAD-17 0-0.2 10/21/93	SOIL SEAD-17 0-0.2 10/21/93	SOIL SEAD-17 0-0.2 10/21/93	SOIL SEAD-17 0-0.2 10/21/93	SOIL SEAD-17 0-0.2 10/21/93	SOIL SEAD-17 0-0.2 12/01/93	SOIL SEAD-17 2-4 12/01/93	SOIL SEAD-17 4-6 12/01/93	SOIL SEAD-17 0-2 10/27/93
ES ID	SS17-24RE	SS17-19	SS17-20	SS17-21	SS17-22	SS17-23	SS17-1.1	SS17-1.2	SS17-1.3	SS17-1.3	SS17-2.1
LAB ID	202077	202053	202054	202055	202075	202076	205914	205915	205916	205916	202502
COMPOUND	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
VOLATILE ORGANICS											
Chloromethane	ug/Kg	13 UJ	16 U	12 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Bromomethane	ug/Kg	13 UJ	16 U	12 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Vinyl Chloride	ug/Kg	13 UJ	16 U	12 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Chloroethane	ug/Kg	13 UJ	16 U	12 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Methylene Chloride	ug/Kg	8 J	16 U	12 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Acetone	ug/Kg	13 UJ	41 U	12 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Carbon Disulfide	ug/Kg	13 UJ	16 U	12 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
1,1-Dichloroethane	ug/Kg	13 UJ	16 U	12 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
1,1-Dichloroethane	ug/Kg	13 UJ	16 U	12 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
1,2-Dichloroethane (total)	ug/Kg	13 UJ	16 U	12 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Chloroform	ug/Kg	13 UJ	16 U	12 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
1,2-Dichloroethane	ug/Kg	13 UJ	16 U	12 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
2-Butanone	ug/Kg	13 UJ	16 U	12 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
1,1,1-Trichloroethane	ug/Kg	13 UJ	16 U	12 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Carbon Tetrachloride	ug/Kg	13 UJ	16 U	12 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Bromodichloromethane	ug/Kg	13 UJ	16 U	12 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
1,2-Dichloropropane	ug/Kg	13 UJ	16 U	12 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
cis-1,3-Dichloropropene	ug/Kg	13 UJ	16 U	12 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Trichloroethene	ug/Kg	13 UJ	16 U	12 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Dibromochloromethane	ug/Kg	13 UJ	16 U	12 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
1,1,2-Trichloroethane	ug/Kg	13 UJ	16 U	12 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Benzene	ug/Kg	13 UJ	16 U	12 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
trans-1,3-Dichloropropene	ug/Kg	13 UJ	16 U	12 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Bromoform	ug/Kg	13 UJ	16 U	12 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
4-Methyl-2-Pentanone	ug/Kg	13 UJ	16 U	12 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
2-Hexanone	ug/Kg	13 UJ	16 U	12 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Tetrachloroethene	ug/Kg	13 UJ	16 U	12 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
1,1,2,2-Tetrachloroethane	ug/Kg	13 UJ	16 U	12 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Toluene	ug/Kg	13 UJ	16 U	12 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Chlorobenzene	ug/Kg	13 UJ	16 U	12 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Ethylbenzene	ug/Kg	13 UJ	16 U	12 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Styrene	ug/Kg	13 UJ	16 U	12 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Xylene (total)	ug/Kg	13 UJ	16 U	12 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
MTBE	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES											
2,4-D	ug/Kg	NS	69 U	65 U	66 U	65 U	66 U	64 U	58 U	54 U	60 U
2,4-DB	ug/Kg	NS	69 U	65 U	66 U	65 U	66 U	64 U	58 U	54 U	60 U
2,4,5-T	ug/Kg	NS	6.9 U	6.5 U	6.6 U	6.5 U	6.6 U	6.4 U	5.8 U	5.4 U	6 U
2,4,5-TP (Silvex)	ug/Kg	NS	6.9 U	6.5 U	6.6 U	6.5 U	6.6 U	6.4 U	5.8 U	5.4 U	6 U
Dalapon	ug/Kg	NS	170 U	160 U	160 U	160 U	160 U	160 U	140 U	130 U	150 U
Dicamba	ug/Kg	NS	6.9 U	6.5 U	6.6 U	6.5 U	6.6 U	6.4 U	5.8 U	5.4 U	6 U
Dichloroprop	ug/Kg	NS	69 U	65 U	66 U	65 U	66 U	64 U	58 U	54 U	60 U
Dinoseb	ug/Kg	NS	69 U	33 U	33 U	33 U	33 U	32 U	29 U	27 U	30 U
MCFA	ug/Kg	NS	6900 U	6500 U	6600 U	6500 U	6600 U	6400 U	5800 U	5400 U	6000 U
MCPA	ug/Kg	NS	6900 U	6500 U	6600 U	6500 U	6600 U	6400 U	5800 U	5400 U	6000 U
NITROAROMATICS											
HMX	ug/Kg	NS	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
RDX	ug/Kg	NS	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
1,3,5-Trinitrobenzene	ug/Kg	NS	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
1,3-Dinitrobenzene	ug/Kg	NS	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
Tetryl	ug/Kg	NS	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,4,6-Trinitrotoluene	ug/Kg	NS	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	NS	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	NS	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,6-Dinitrotoluene	ug/Kg	NS	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,4-Dinitrotoluene	ug/Kg	NS	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U

SENECA ARMY DEPOT
SEAD-17 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-17 0-0.2 10/22/93 SS17-24RE 202077 SS17-18DUP	SOIL SEAD-17 0-0.2 10/21/93 SS17-19 202053	SOIL SEAD-17 0-0.2 10/21/93 SS17-20 202054	SOIL SEAD-17 0-0.2 10/21/93 SS17-21 202055	SOIL SEAD-17 0-0.2 10/21/93 SS17-22 202075	SOIL SEAD-17 0-0.2 10/21/93 SS17-23 202076	SOIL SEAD-17 0-2 12/01/93 SB17-1.1 205914	SOIL SEAD-17 2-4 12/01/93 SB17-1.2 205915	SOIL SEAD-17 4-6 12/01/93 SB17-1.3 205916	SOIL SEAD-17 0-2 10/27/93 SB17-2.1 202502	
SEMIVOLATILE ORGANICS											
Phend	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
bis(2-Chloroethyl) ether	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
2-Chlorophend	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
1,3-Dichlorobenzene	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
1,4-Dichlorobenzene	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
1,2-Dichlorobenzene	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
2-Methylphend	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
4-Methylphend	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
N-Nitroso-dl-n-propylamine	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Hexachloroethane	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Nitrobenzene	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Isophorone	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
2-Nitrophenol	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
2,4-Dimethylphenol	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
bis(2-Chloroethoxy) methane	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
2,4-Dichlorophenol	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
1,2,4-Trichlorobenzene	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Naphthalene	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
4-Chloroaniline	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Hexachlorobutadiene	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
4-Chloro-3-methylphenol	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
2-Methylnaphthalene	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Hexachlorocyclopentadiene	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
2,4,6-Trichlorophenol	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
2,4,5-Trichlorophenol	ug/Kg	NS	5500 U	1000 U	1100 U	1000 U	1000 U	1000 U	920 U	870 U	950 U
2-Chloronaphthalene	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
2-Nitroaniline	ug/Kg	NS	5500 U	1000 U	1100 U	1000 U	1000 U	1000 U	920 U	870 U	950 U
Dimethylphthalate	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Aceraphthylene	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
2,6-Dinitrotoluene	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
3-Nitroaniline	ug/Kg	NS	5500 U	1000 U	1100 U	1000 U	1000 U	1000 U	920 U	870 U	950 U
Aceraphthene	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
2,4-Dinitrophenol	ug/Kg	NS	5500 U	1000 U	1100 U	1000 U	1000 U	1000 U	920 U	870 U	950 U
4-Nitrophenol	ug/Kg	NS	5500 U	1000 U	1100 U	1000 U	1000 U	1000 U	920 U	870 U	950 U
Dibenzofuran	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
2,4-Dinitrotoluene	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Diethylphthalate	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
4-Chlorophenyl-phenylether	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Fluorene	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
4-Nitroaniline	ug/Kg	NS	5500 U	1000 U	1100 U	1000 U	1000 U	1000 U	920 U	870 U	950 U
4,6-Dinitro-2-methylphenol	ug/Kg	NS	5500 U	1000 U	1100 U	1000 U	1000 U	1000 U	920 U	870 U	950 U
N-Nitrosodiphenylamine	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
4-Bromophenyl-phenylether	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Hexachlorobenzene	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Pentachlorophend	ug/Kg	NS	5500 U	1000 U	1100 U	1000 U	1000 U	1000 U	920 U	870 U	950 U
Phenanthrene	ug/Kg	NS	2300 U	420 U	430 U	20 J	430 U	420 U	380 U	360 U	390 U
Anthracene	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Carbazole	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Di-n-butylphthalate	ug/Kg	NS	1200 J	510	760	430 U	430 U	420 U	380 U	360 U	390 U
Fluoranthene	ug/Kg	NS	2300 U	420 U	430 U	49 J	430 U	420 U	380 U	360 U	390 U
Pyrene	ug/Kg	NS	2300 U	420 U	430 U	40 J	430 U	420 U	380 U	360 U	390 U
Butylberzylphthalate	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
3,3'-Dichlorobenzidine	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Benzo(a)anthracene	ug/Kg	NS	2300 U	420 U	430 U	21 J	430 U	420 U	380 U	360 U	390 U
Chrysene	ug/Kg	NS	2300 U	420 U	430 U	28 J	430 U	420 U	380 U	360 U	390 U
bis(2-Ethylhexyl)phthalate	ug/Kg	NS	2300 U	420 U	200 J	430 U	430 U	42 J	380 U	21 J	390 U
Di-n-octylphthalate	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Benzo(b)fluoranthene	ug/Kg	NS	2300 U	420 U	430 U	28 J	430 U	420 U	380 U	360 U	390 U
Benzo(k)fluoranthene	ug/Kg	NS	2300 U	420 U	430 U	21 J	430 U	420 U	380 U	360 U	390 U
Benzo(a)pyrene	ug/Kg	NS	2300 U	420 U	430 U	21 J	430 U	420 U	380 U	360 U	390 U
Indeno(1,2,3-cd)pyrene	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Dibenz(a,h)anthracene	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Benzo(g,h,i)perylene	ug/Kg	NS	2300 U	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U

SENECA ARMY DEPOT
SEAD-17 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-17 0-0.2 10/22/93 SS17-24RE 202077	SOIL SEAD-17 0-0.2 10/21/93 SS17-19 202053	SOIL SEAD-17 0-0.2 10/21/93 SS17-20 202054	SOIL SEAD-17 0-0.2 10/21/93 SS17-21 202055	SOIL SEAD-17 0-0.2 10/21/93 SS17-22 202075	SOIL SEAD-17 0-0.2 10/21/93 SS17-23 202076	SOIL SEAD-17 0-2 12/01/93 SB17-1.1 205914	SOIL SEAD-17 2-4 12/01/93 SB17-1.2 205915	SOIL SEAD-17 4-6 12/01/93 SB17-1.3 205916	SOIL SEAD-17 0-2 10/27/93 SB17-2.1 202502
PESTICIDES/PCB										
alpha-BHC ug/Kg	NS	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.9 U	1.8 U	2 U
beta-BHC ug/Kg	NS	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.9 U	1.8 U	2 U
delta-BHC ug/Kg	NS	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.9 U	1.8 U	2 U
gamma-BHC (Lindane) ug/Kg	NS	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.9 U	1.8 U	2 U
Heptachlor ug/Kg	NS	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.9 U	1.8 U	2 U
Aldrin ug/Kg	NS	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.9 U	1.8 U	2 U
Heptachlor epoxide ug/Kg	NS	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.9 U	1.8 U	2 U
Endosulfan I ug/Kg	NS	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.9 U	1.8 U	2 U
Dieldrin ug/Kg	NS	4.5 U	4.2 U	4.3 U	4.3 U	4.3 U	4.2 U	3.8 U	3.6 U	3.9 U
4,4'-DDE ug/Kg	NS	2.5 J	4.2 U	4.3 U	4.3 U	4.3 U	4.2 U	3.8 U	3.6 U	3.9 U
Endrin ug/Kg	NS	4.5 U	4.2 U	4.3 U	4.3 U	4.3 U	4.2 U	3.8 U	3.6 U	3.9 U
Endosulfan II ug/Kg	NS	4.5 U	4.2 U	4.3 U	4.3 U	4.3 U	4.2 U	3.8 U	3.6 U	3.9 U
4,4'-DDD ug/Kg	NS	15	4.2 U	4.3 U	4.3 U	4.3 U	4.2 U	3.8 U	3.6 U	3.9 U
Endosulfan sulfate ug/Kg	NS	4.5 U	4.2 U	4.3 U	4.3 U	4.3 U	4.2 U	3.8 U	3.6 U	3.9 U
4,4'-DDT ug/Kg	NS	4.5 U	4.2 U	4.3 U	4.3 U	4.3 U	4.2 U	3.8 U	3.6 U	3.9 U
Methoxychlor ug/Kg	NS	23 U	22 U	22 U	22 U	22 U	22 U	19 U	18 U	20 U
Endrin ketone ug/Kg	NS	4.5 U	4.2 U	4.3 U	4.3 U	4.3 U	4.2 U	3.8 U	3.6 U	3.9 U
Endrin aldehyde ug/Kg	NS	4.5 U	4.2 U	4.3 U	4.3 U	4.3 U	4.2 U	3.8 U	3.6 U	3.9 U
alpha-Chlordane ug/Kg	NS	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.9 U	1.8 U	2 U
gamma-Chlordane ug/Kg	NS	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.9 U	1.8 U	2 U
Toxaphene ug/Kg	NS	230 U	220 U	220 U	220 U	220 U	220 U	190 U	180 U	200 U
Aroclor-1018 ug/Kg	NS	45 U	42 U	43 U	43 U	43 U	42 U	38 U	36 U	39 U
Aroclor-1221 ug/Kg	NS	92 U	86 U	88 U	87 U	87 U	85 U	76 U	72 U	80 U
Aroclor-1232 ug/Kg	NS	45 U	42 U	43 U	43 U	43 U	42 U	38 U	36 U	39 U
Aroclor-1242 ug/Kg	NS	45 U	42 U	43 U	43 U	43 U	42 U	38 U	36 U	39 U
Aroclor-1248 ug/Kg	NS	45 U	42 U	43 U	43 U	43 U	42 U	38 U	36 U	39 U
Aroclor-1254 ug/Kg	NS	45 U	42 U	43 U	43 U	43 U	42 U	38 U	36 U	39 U
Aroclor-1260 ug/Kg	NS	45 U	21 J	28 J	43 U	43 U	42 U	38 U	36 U	39 U
METALS										
Aluminum mg/Kg	NS	15500	13900	14400	18100	15700	13700	18100	8700	15900
Antimony mg/Kg	NS	9 U	8.7 U	11 U	12.8 UJ	13.1 UJ	11.7 UJ	11.8 UJ	9 UJ	12.1 UJ
Arsenic mg/Kg	NS	6.3	6.5	8.9	5.9	5.3	4.3	5.2	3.4	5.2
Barium mg/Kg	NS	149	96.2	96.5	127	92.6	107	114	59.4	158
Beryllium mg/Kg	NS	0.83 J	0.71 J	0.74 J	0.8 J	0.72 J	0.7 J	0.9 J	0.42 J	0.62 J
Cadmium mg/Kg	NS	2.9	0.54 U	0.69 U	1.5	0.82 U	0.73 U	0.74 U	0.56 U	2.8
Calcium mg/Kg	NS	4210	6230	3910	6900	2510	2870	20900	72800	48200
Chromium mg/Kg	NS	22.9	21.4	23.2	23.8	20.3	17.6	25.1	13.9	27.1
Cobalt mg/Kg	NS	10.2	11.1	12.4	9.9 J	9.4 J	9.9 J	13.3	8.8	10.8 J
Copper mg/Kg	NS	81.7	26.9	25.9	52 J	22.6 J	46.4	26.9	20	85.1
Iron mg/Kg	NS	25500	28700	28800	24700	22700	25100	29900	18800	38700
Lead mg/Kg	NS	402	69.2	44.9	226	111	266	11.4 J	7.5 J	686
Magnesium mg/Kg	NS	4260	4770	4930	4880	3720	3330	8490	18100	6630
Manganese mg/Kg	NS	741	602	857	662	598	547	487	391	673
Mercury mg/Kg	NS	0.07 J	0.08 J	0.06 J	0.06 J	0.04 J	0.05 J	0.06 J	0.03 UJ	0.04 U
Nickel mg/Kg	NS	30.2	31	35.6	27	22.6	19.1	42	25.2	34.7
Potassium mg/Kg	NS	1610	1270	1410	1960	1430	628 J	1560	1090	1630
Selenium mg/Kg	NS	0.23 UJ	0.18 UJ	0.2 UJ	0.24 UJ	0.26 UJ	0.25 UJ	0.24 UJ	0.14 UJ	0.25 UJ
Silver mg/Kg	NS	1.1 UJ	1.1 UJ	1.4 UJ	1.6 U	1.7 U	1.5 U	1.5 U	1.1 U	1.5 UJ
Sodium mg/Kg	NS	59.5 J	40.4 J	36.3 J	87 J	46 J	46.2 J	74.6 J	137 J	145 J
Thallium mg/Kg	NS	0.25 U	0.2 U	0.22 U	0.26 U	0.29 U	0.28 UJ	0.26 UJ	0.15 UJ	0.27 U
Vanadium mg/Kg	NS	28.3	24	24.1	30.1	26.4	23.1	27	13.9	27.3
Zinc mg/Kg	NS	351	71.8	83.9	198	75.5	93.4	80.2	57.1	172
Cyanide mg/Kg	NS	0.66 U	0.61 U	0.65 U	0.11 U	0.1 U	NA	NA	NA	0.72 U
OTHER ANALYSES										
Nitrate/Nitrite-Nitrogen mg/Kg	NS	0.2	0.22	0.24	0.09	0.07	0.15	0.33	0.24	0.51
Total Solids %W/W	NS	73.3	78.3	76.4	75.8	76.2	78.4	86.6	92.2	83.8
Total Petroleum Hydrocarbons mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoride mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
pH standard units	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-17 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-17 0-2 10/27/93 SB17-2.1RE 202502	SOIL SEAD-17 2-4 10/27/93 SB17-2.2 202503	SOIL SEAD-17 2-4 10/27/93 SB17-2.10 202505 SS17-2.2DUP	SOIL SEAD-17 0-2 11/30/93 SB17-3.1 205877	SOIL SEAD-17 2-4 11/30/93 SB17-3.2 205878	SOIL SEAD-17 0-2 11/30/93 SB17-4.1 205879	SOIL SEAD-17 2-4 11/30/93 SB17-4.2 205880
VOLATILE ORGANICS								
Chloromethane	ug/Kg	12 UJ	12 U	13 U	12 U	13 U	12 U	12 U
Bromomethane	ug/Kg	12 UJ	12 U	13 U	12 U	13 U	12 U	12 U
Vinyl Chloride	ug/Kg	12 UJ	12 U	13 U	12 U	13 U	12 U	12 U
Chloroethane	ug/Kg	12 UJ	12 U	13 U	12 U	13 U	12 U	12 U
Methylene Chloride	ug/Kg	12 UJ	12 U	13 U	12 U	13 U	12 U	12 U
Acetone	ug/Kg	12 UJ	12 U	13 U	12 U	13 U	12 U	12 U
Carbon Disulfide	ug/Kg	12 UJ	12 U	13 U	12 U	13 U	12 U	12 U
1,1-Dichloroethane	ug/Kg	12 UJ	12 U	13 U	12 U	13 U	12 U	12 U
1,1-Dichloroethane	ug/Kg	12 UJ	12 U	13 U	12 U	13 U	12 U	12 U
1,2-Dichloroethane (total)	ug/Kg	12 UJ	12 U	13 U	12 U	13 U	12 U	12 U
Chloroform	ug/Kg	12 UJ	12 U	13 U	12 U	13 U	12 U	12 U
1,2-Dichloroethane	ug/Kg	12 UJ	12 U	13 U	12 U	13 U	12 U	12 U
2-Butanone	ug/Kg	12 UJ	12 U	13 U	12 U	13 U	12 U	12 U
1,1,1-Trichloroethane	ug/Kg	12 UJ	12 U	13 U	12 U	13 U	12 U	12 U
Carbon Tetrachloride	ug/Kg	12 UJ	12 U	13 U	12 U	13 U	12 U	12 U
Bromodichloromethane	ug/Kg	12 UJ	12 U	13 U	12 U	13 U	12 U	12 U
1,2-Dichloropropane	ug/Kg	12 UJ	12 U	13 U	12 U	13 U	12 U	12 U
cis-1,3-Dichloropropene	ug/Kg	12 UJ	12 U	13 U	12 U	13 U	12 U	12 U
Trichloroethene	ug/Kg	12 UJ	12 U	13 U	12 U	13 U	12 U	12 U
Dibromochloromethane	ug/Kg	12 UJ	12 U	13 U	12 U	13 U	12 U	12 U
1,1,2-Trichloroethane	ug/Kg	12 UJ	12 U	13 U	12 U	13 U	12 U	12 U
Benzene	ug/Kg	12 UJ	12 U	13 U	12 U	13 U	12 U	12 U
trans-1,3-Dichloropropene	ug/Kg	12 UJ	12 U	13 U	12 U	13 U	12 U	12 U
Bromoform	ug/Kg	12 UJ	12 U	13 U	12 U	13 U	12 U	12 U
4-Methyl-2-Pentanone	ug/Kg	12 UJ	12 U	13 U	12 U	13 U	12 U	12 U
2-Hexanone	ug/Kg	12 UJ	12 U	13 U	12 U	13 U	12 U	12 U
Tetrachloroethene	ug/Kg	12 UJ	12 U	13 U	12 U	13 U	12 U	12 U
1,1,2,2-Tetrachloroethane	ug/Kg	12 UJ	12 U	13 U	12 U	13 U	12 U	12 U
Toluene	ug/Kg	12 UJ	12 U	13 U	12 U	13 U	12 U	12 U
Chlorobenzene	ug/Kg	12 UJ	12 U	13 U	12 U	13 U	12 U	12 U
Ethylbenzene	ug/Kg	12 UJ	12 U	13 U	12 U	13 U	12 U	12 U
Styrene	ug/Kg	12 UJ	12 U	13 U	12 U	13 U	12 U	12 U
Xylene (total)	ug/Kg	12 UJ	12 U	13 U	12 U	13 U	12 U	12 U
MTBE	ug/Kg	NS	NS	NS	NS	NS	NS	NS
HERBICIDES								
2,4-D	ug/Kg	NS	58 U	58 U	61 U	59 U	59 U	54 U
2,4-DB	ug/Kg	NS	58 U	58 U	61 U	59 U	59 U	54 U
2,4,5-T	ug/Kg	NS	5.8 U	5.8 U	6.1 U	5.9 U	5.9 U	5.4 U
2,4,5-TP (Silvex)	ug/Kg	NS	5.8 U	5.8 U	6.1 U	5.9 U	5.9 U	5.4 U
Dalapon	ug/Kg	NS	140 U	140 U	150 U	140 U	150 U	130 U
Dicamba	ug/Kg	NS	5.8 U	5.8 U	6.1 U	5.9 U	5.9 U	5.4 U
Dichloroprop	ug/Kg	NS	58 U	58 U	61 U	59 U	59 U	54 U
Dinoseb	ug/Kg	NS	29 U	29 U	31 U	30 U	30 U	27 U
MCPA	ug/Kg	NS	5800 U	5800 U	6100 U	5900 U	5900 U	5400 U
MCPP	ug/Kg	NS	5800 U	5800 U	6100 U	5900 U	5900 U	5400 U
NITROAROMATICS								
HMX	ug/Kg	NS	130 U	130 U	130 U	130 U	130 U	130 U
RDX	ug/Kg	NS	130 U	130 U	130 U	130 U	130 U	130 U
1,3,5-Trinitrobenzene	ug/Kg	NS	130 U	130 U	130 U	130 U	130 U	130 U
1,3-Dinitrobenzene	ug/Kg	NS	130 U	130 U	130 U	130 U	130 U	130 U
Tetyl	ug/Kg	NS	130 U	130 U	130 U	130 U	130 U	130 U
2,4,6-Trinitrotoluene	ug/Kg	NS	130 U	130 U	130 U	130 U	130 U	130 U
4-amino-2,6-Dinitrotoluene	ug/Kg	NS	130 U	130 U	130 U	130 U	130 U	130 U
2-amino-4,6-Dinitrotoluene	ug/Kg	NS	130 U	130 U	130 U	130 U	130 U	130 U
2,6-Dinitrotoluene	ug/Kg	NS	130 U	130 U	130 U	130 U	130 U	130 U
2,4-Dinitrotoluene	ug/Kg	NS	130 U	130 U	130 U	130 U	130 U	130 U

SENECA ARMY DEPOT
SEAD-17 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-17 0-2 10/27/93 SB17-2.1RE 202502	SOIL SEAD-17 2-4 10/27/93 SB17-2.2 202503	SOIL SEAD-17 2-4 10/27/93 SB17-2.10 202505	SOIL SEAD-17 0-2 11/30/93 SB17-3.1 205877	SOIL SEAD-17 2-4 11/30/93 SB17-3.2 205878	SOIL SEAD-17 0-2 11/30/93 SB17-4.1 205879	SOIL SEAD-17 2-4 11/30/93 SB17-4.2 205880
SEMIVOLATILE ORGANICS			SS17-2.2DUP				
Phend	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
bis(2-Chloroethyl) ether	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
2-Chlorophend	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
1,3-Dichlorobenzene	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
1,4-Dichlorobenzene	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
1,2-Dichlorobenzene	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
2-Methylphend	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
4-Methylphend	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
N-Nitroso-d-n-propylamine	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
Hexachloroethane	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
Nitrobenzene	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
Isophorone	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
2-Nitrophenol	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
2,4-Dimethylphenol	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
bis(2-Chloroethoxy) methane	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
2,4-Dichlorophenol	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
1,2,4-Trichlorobenzene	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
Naphthalene	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
4-Chloroaniline	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
Hexachlorobutadiene	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
4-Chloro-3-methylphenol	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
2-Methylnaphthalene	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
Hexachlorocyclopentadiene	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
2,4,6-Trichlorophenol	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
2,4,5-Trichlorophenol	ug/Kg	NS	930 U	920 U	980 U	940 U	870 U
2-Chloronaphthalene	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
2-Nitroaniline	ug/Kg	NS	930 U	920 U	980 U	940 U	870 U
Dimethylphthalate	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
Aceraphthylene	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
2,6-Dinitrotoluene	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
3-Nitroaniline	ug/Kg	NS	930 U	920 U	980 U	940 U	870 U
Aceraphthene	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
2,4-Dinitrophenol	ug/Kg	NS	930 U	920 U	980 U	940 U	870 U
4-Nitrophenol	ug/Kg	NS	930 U	920 U	980 U	950 U	870 U
Dibenzofuran	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
2,4-Dinitrotoluene	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
Diethylphthalate	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
4-Chlorophenyl-phenylether	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
Fluorene	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
4-Nitroaniline	ug/Kg	NS	930 U	920 U	980 U	940 U	870 U
4,6-Dinitro-2-methylphenol	ug/Kg	NS	930 U	920 U	980 U	940 U	870 U
N-Nitrosodiphenylamine	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
4-Bromophenyl-phenylether	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
Hexachlorobenzene	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
Pentachlorophend	ug/Kg	NS	930 U	920 U	980 U	940 U	870 U
Phenanthrene	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
Anthracene	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
Carbazole	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
Di-n-butylphthalate	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
Fluoranthene	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
Pyrene	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
Butylbenzylphthalate	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
3,3'-Dichlorobenzidine	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
Benzo(a)anthracene	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
Chrysene	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
bis(2-Ethylhexyl)phthalate	ug/Kg	NS	480	480	93 J	72 J	27 J
Di-n-octylphthalate	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
Benzo(b)fluoranthene	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
Benzo(k)fluoranthene	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
Benzo(a)pyrene	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
Indeno(1,2,3-cd)pyrene	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
Dibenz(a,h)anthracene	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U
Benzo(g,h,i)perylene	ug/Kg	NS	380 U	380 U	400 U	390 U	360 U

SENECA ARMY DEPOT
SEAD-17 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-17 0-2 10/27/93 SB17-2.1RE 202502	SOIL SEAD-17 2-4 10/27/93 SB17-2.2 202503	SOIL SEAD-17 2-4 10/27/93 SB17-2.10 202505	SOIL SEAD-17 0-2 11/30/93 SB17-3.1 205877	SOIL SEAD-17 2-4 11/30/93 SB17-3.2 205878	SOIL SEAD-17 0-2 11/30/93 SB17-4.1 205879	SOIL SEAD-17 2-4 11/30/93 SB17-4.2 205880
PESTICIDES/PCB								
alpha-BHC	ug/Kg	NS	2 U	1.9 U	2.1 U	2 U	2 U	1.8 U
beta-BHC	ug/Kg	NS	2 U	1.9 U	2.1 U	2 U	2 U	1.8 U
delta-BHC	ug/Kg	NS	2 U	1.9 U	2.1 U	2 U	2 U	1.8 U
gamma-BHC (Lindane)	ug/Kg	NS	2 U	1.9 U	2.1 U	2 U	2 U	1.8 U
Heptachlor	ug/Kg	NS	2 U	1.9 U	2.1 U	2 U	2 U	1.8 U
Aldrin	ug/Kg	NS	2 U	1.9 U	2.1 U	2 U	2 U	1.8 U
Heptachlor epoxide	ug/Kg	NS	2 U	1.9 U	2.1 U	2 U	2 U	1.8 U
Endosulfan I	ug/Kg	NS	2 U	1.9 U	2.1 U	2 U	2 U	1.8 U
Dieldrin	ug/Kg	NS	3.8 U	3.8 U	4 U	3.9 U	3.9 U	3.6 U
4,4'-DDE	ug/Kg	NS	3.8 U	3.8 U	4 U	3.9 U	3.9 U	3.6 U
Endrin	ug/Kg	NS	3.8 U	3.8 U	4 U	3.9 U	3.9 U	3.6 U
Endosulfan II	ug/Kg	NS	3.8 U	3.8 U	4 U	3.9 U	3.9 U	3.6 U
4,4'-DDD	ug/Kg	NS	3.8 U	3.8 U	4 U	3.9 U	3.9 U	3.6 U
Endosulfan sulfate	ug/Kg	NS	3.8 U	3.8 U	4 U	3.9 U	3.9 U	3.6 U
4,4'-DDT	ug/Kg	NS	3.8 U	3.8 U	4 U	3.9 U	3.9 U	3.6 U
Methoxychlor	ug/Kg	NS	20 U	19 U	21 U	20 U	20 U	18 U
Endrin ketone	ug/Kg	NS	3.8 U	3.8 U	4 U	3.9 U	3.9 U	3.6 U
Endrin aldehyde	ug/Kg	NS	3.8 U	3.8 U	4 U	3.9 U	3.9 U	3.6 U
alpha-Chlordane	ug/Kg	NS	2 U	1.9 U	2.1 U	2 U	2 U	1.8 U
gamma-Chlordane	ug/Kg	NS	2 U	1.9 U	2.1 U	2 U	2 U	1.8 U
Toxaphene	ug/Kg	NS	200 U	190 U	210 U	200 U	200 U	180 U
Aroclor-1016	ug/Kg	NS	38 U	38 U	40 U	39 U	39 U	36 U
Aroclor-1221	ug/Kg	NS	78 U	77 U	82 U	79 U	80 U	73 U
Aroclor-1232	ug/Kg	NS	38 U	38 U	40 U	39 U	39 U	36 U
Aroclor-1242	ug/Kg	NS	38 U	38 U	40 U	39 U	39 U	36 U
Aroclor-1248	ug/Kg	NS	38 U	38 U	40 U	39 U	39 U	36 U
Aroclor-1254	ug/Kg	NS	38 U	38 U	40 U	39 U	39 U	36 U
Aroclor-1260	ug/Kg	NS	38 U	38 U	40 U	39 U	39 U	36 U
METALS								
Aluminum	mg/Kg	NS	15600	14100	19300	13200	15100	11600
Antimony	mg/Kg	NS	11.8 UJ	9.6 UJ	6.9 UJ	11.9 UJ	6.9 UJ	6.1 UJ
Arsenic	mg/Kg	NS	6.9	6.3	4.1	5.4	4.9	5.7
Barium	mg/Kg	NS	68.5	71.4	104	73.7	89.2	51.6
Beryllium	mg/Kg	NS	0.56 J	0.58 J	0.99	0.63 J	0.72	0.56 J
Cadmium	mg/Kg	NS	0.74 U	0.6 U	0.43 U	0.74 U	0.43 U	0.38 U
Calcium	mg/Kg	NS	44200	115000	2620	4920	3640	18100
Chromium	mg/Kg	NS	23.3	20.3	27.9	20.1	21.6	18.4
Cobalt	mg/Kg	NS	9.4 J	9.6	21.7	9 J	9.5	11
Copper	mg/Kg	NS	18.5	21.5	25.9	26.9	24	22.7
Iron	mg/Kg	NS	26700	24900	36100	25800	27700	25600
Lead	mg/Kg	NS	13	11.2	24.6 J	21.2 J	12 J	11.7 J
Magnesium	mg/Kg	NS	8380	8370	5820	4600	5170	7890
Manganese	mg/Kg	NS	409	1160	1080	338	274	403
Mercury	mg/Kg	NS	0.04 J	0.04 J	0.06 J	0.04 J	0.04 U	0.03 J
Nickel	mg/Kg	NS	30.8	27.4	37.2	31.5	28.6	30.8
Potassium	mg/Kg	NS	1720	1750	1540	1350	1220	980
Selenium	mg/Kg	NS	0.21 UJ	0.25 UJ	0.28 UJ	0.17 UJ	0.18 UJ	0.23 UJ
Silver	mg/Kg	NS	1.5 UJ	1.2 UJ	0.88 U	1.5 U	0.87 U	0.77 U
Sodium	mg/Kg	NS	177 J	239 J	70.8 J	80.2 J	65.6 J	75.9 J
Thallium	mg/Kg	NS	0.23 U	0.27 U	0.28 UJ	0.18 UJ	0.2 UJ	0.25 UJ
Vanadium	mg/Kg	NS	23.9	21.8	30.7	21.1	26.1	18.6
Zinc	mg/Kg	NS	63	76.7	69.7	69	64.2	85.1
Cyanide	mg/Kg	NS	0.67 U	0.65 U	0.58 U	0.54 U	0.57 U	0.47 U
OTHER ANALYSES								
Nitrate/Nitrite-Nitrogen	mg/Kg	NS	0.05	0.01 U	0.22	0.19	0.41	0.22
Total Solids	%W/W	NS	85.8	87.2	82	85.2	83.6	91.9
Total Petroleum Hydrocarbons	mg/Kg	NS	NS	NS	NS	NS	NS	NS
Fluoride	mg/Kg	NS	NS	NS	NS	NS	NS	NS
pH	standard units	NS	NS	NS	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-17 EXPANDED SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID UNITS	WATER SEAD-17 01/25/94 MW17-1 209339	WATER SEAD-17 01/25/94 MW17-1RE 209339	WATER SEAD-17 11/18/93 MW17-2 205059	WATER SEAD-17 01/25/94 MW17-3 209944	WATER SEAD-17 01/25/94 MW17-4 209340	WATER SEAD-17 01/25/94 MW17-4RE 209340
VOLATILE ORGANICS							
Chloromethane	ug/L	10 U	NS	10 U	10 U	10 U	NS
Bromomethane	ug/L	10 U	NS	10 U	10 U	10 U	NS
Vinyl Chloride	ug/L	10 U	NS	10 U	10 U	10 U	NS
Chloroethane	ug/L	10 U	NS	10 U	10 U	10 U	NS
Methylene Chloride	ug/L	10 U	NS	10 U	10 U	10 U	NS
Acetone	ug/L	10 U	NS	10 U	10 U	10 U	NS
Carbon Disulfide	ug/L	10 U	NS	10 U	10 U	10 U	NS
1,1-Dichloroethane	ug/L	10 U	NS	10 U	10 U	10 U	NS
1,1-Dichloroethane	ug/L	10 U	NS	10 U	10 U	10 U	NS
1,2-Dichloroethane (total)	ug/L	10 U	NS	10 U	10 U	10 U	NS
Chloroform	ug/L	10 U	NS	10 U	10 U	10 U	NS
1,2-Dichloroethane	ug/L	10 U	NS	10 U	10 U	10 U	NS
2-Butanone	ug/L	10 U	NS	10 U	10 U	10 U	NS
1,1,1-Trichloroethane	ug/L	10 U	NS	10 U	10 U	10 U	NS
Carbon Tetrachloride	ug/L	10 U	NS	10 U	10 U	10 U	NS
Bromodichloromethane	ug/L	10 U	NS	10 U	10 U	10 U	NS
1,2-Dichloropropane	ug/L	10 U	NS	10 U	10 U	10 U	NS
cis-1,3-Dichloropropene	ug/L	10 U	NS	10 U	10 U	10 U	NS
Trichloroethene	ug/L	10 U	NS	10 U	10 U	10 U	NS
Dibromochloromethane	ug/L	10 U	NS	10 U	10 U	10 U	NS
1,1,2-Trichloroethane	ug/L	10 U	NS	10 U	10 U	10 U	NS
Benzene	ug/L	10 U	NS	10 U	10 U	10 U	NS
trans-1,3-Dichloropropene	ug/L	10 U	NS	10 U	10 U	10 U	NS
Bromoform	ug/L	10 U	NS	10 U	10 U	10 U	NS
4-Methyl-2-Pentanone	ug/L	10 U	NS	10 U	10 U	10 U	NS
2-Hexanone	ug/L	10 U	NS	10 U	10 U	10 U	NS
Tetrachloroethene	ug/L	10 U	NS	10 U	10 U	10 U	NS
1,1,2,2-Tetrachloroethane	ug/L	10 U	NS	10 U	10 U	10 U	NS
Toluene	ug/L	10 U	NS	10 U	10 U	10 U	NS
Chlorobenzene	ug/L	10 U	NS	10 U	10 U	10 U	NS
Ethylbenzene	ug/L	10 U	NS	10 U	10 U	10 U	NS
Styrene	ug/L	10 U	NS	10 U	10 U	10 U	NS
Xylene (total)	ug/L	10 U	NS	10 U	10 U	10 U	NS
MTBE	ug/L	NS	NS	NS	NS	NS	NS
HERBICIDES							
2,4-D	ug/L	1.1 U	NS	1.1 U	1.1 U	1.1 U	NS
2,4-DB	ug/L	1.1 U	NS	1.1 U	1.1 U	1.1 U	NS
2,4,5-T	ug/L	0.11 U	NS	0.11 U	0.11 U	0.11 U	NS
2,4,5-TP (SVex)	ug/L	0.11 U	NS	0.11 U	0.11 U	0.11 U	NS
Dalapon	ug/L	2.5 U	NS	2.5 U	2.5 U	2.5 U	NS
Dicamba	ug/L	0.11 U	NS	0.11 U	0.11 U	0.11 U	NS
Dichloroprop	ug/L	1.1 U	NS	1.1 U	1.1 U	1.1 U	NS
Dinoseb	ug/L	0.53 U	NS	0.54 U	0.54 U	0.54 U	NS
MCPA	ug/L	110 U	NS	110 U	110 U	110 U	NS
MCPP	ug/L	110 U	NS	110 U	110 U	110 U	NS
NITROAROMATICS							
HMX	ug/L	0.13 U	0.13 UJ	0.13 U	0.13 U	0.2 U	0.13 UJ
RDX	ug/L	0.13 U	0.13 UJ	0.13 U	0.13 U	0.13 U	0.13 UJ
1,3,5-Trinitrobenzene	ug/L	0.13 U	0.13 UJ	0.13 U	0.13 U	0.13 U	0.13 UJ
1,3-Dinitrobenzene	ug/L	0.13 U	0.13 UJ	0.13 U	0.13 U	0.13 U	0.13 UJ
Tetryl	ug/L	0.13 U	0.13 UJ	0.08 J	0.13 U	0.13 U	0.13 UJ
2,4,6-Trinitrotoluene	ug/L	0.13 U	0.13 UJ	0.13 U	0.13 U	0.13 U	0.13 UJ
4-amino-2,6-Dinitrotoluene	ug/L	0.13 U	0.13 UJ	0.13 U	0.13 U	0.13 U	0.13 UJ
2-amino-4,6-Dinitrotoluene	ug/L	0.13 U	0.13 UJ	0.13 U	0.13 U	0.13 U	0.13 UJ
2,6-Dinitrotoluene	ug/L	0.13 U	0.13 UJ	0.13 U	0.13 U	0.13 U	0.13 UJ
2,4-Dinitrotoluene	ug/L	0.13 U	0.13 UJ	0.13 U	0.13 U	0.13 U	0.13 UJ

NOTES:
NS stands for NOT SAMPLED
NA stands for NOT ANALYZED

SENECA ARMY DEPOT
SEAD-17 EXPANDED SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

MATRIX LOCATION SAMPLE DATE ES ID LAB ID COMPOUND	WATER SEAD-17 01/25/94 MW17-1 209339	WATER SEAD-17 01/25/94 MW17-1RE 209339	WATER SEAD-17 11/18/93 MW17-2 205059	WATER SEAD-17 01/26/94 MW17-3 209944	WATER SEAD-17 01/25/94 MW17-4 209340	WATER SEAD-17 01/25/94 MW17-4RE 209340
SEMIVOLATILE ORGANICS						
Phenol	ug/L 11 U	NS	11 U	10 U	11 U	NS
bis(2-Chloroethyl) ether	ug/L 11 U	NS	11 U	10 U	11 U	NS
2-Chlorophenol	ug/L 11 U	NS	11 U	10 U	11 U	NS
1,3-Dichlorobenzene	ug/L 11 U	NS	11 U	10 U	11 U	NS
1,4-Dichlorobenzene	ug/L 11 U	NS	11 U	10 U	11 U	NS
1,2-Dichlorobenzene	ug/L 11 U	NS	11 U	10 U	11 U	NS
2-Methylphenol	ug/L 11 U	NS	11 U	10 U	11 U	NS
2,2'-oxybis(1-Chloropropane)	ug/L 11 U	NS	11 U	10 U	11 U	NS
4-Methylphenol	ug/L 11 U	NS	11 U	10 U	11 U	NS
N-Nitroso-d-n-propylamine	ug/L 11 U	NS	11 U	10 U	11 U	NS
Hexachloroethane	ug/L 11 U	NS	11 U	10 U	11 U	NS
Nitrobenzene	ug/L 11 U	NS	11 U	10 U	11 U	NS
Isophorone	ug/L 11 U	NS	11 U	10 U	11 U	NS
2-Nitrophenol	ug/L 11 U	NS	11 U	10 U	11 U	NS
2,4-Dimethylphenol	ug/L 11 U	NS	11 U	10 U	11 U	NS
bis(2-Chloroethoxy) methane	ug/L 11 U	NS	11 U	10 U	11 U	NS
2,4-Dichlorophenol	ug/L 11 U	NS	11 U	10 U	11 U	NS
1,2,4-Trichlorobenzene	ug/L 11 U	NS	11 U	10 U	11 U	NS
Naphthalene	ug/L 11 U	NS	11 U	10 U	11 U	NS
4-Chloroaniline	ug/L 11 U	NS	11 U	10 U	11 U	NS
Hexachlorobutadiene	ug/L 11 U	NS	11 U	10 U	11 U	NS
4-Chloro-3-methylphenol	ug/L 11 U	NS	11 U	10 U	11 U	NS
2-Methylnaphthalene	ug/L 11 U	NS	11 U	10 U	11 U	NS
Hexachlorocyclopentadiene	ug/L 11 U	NS	11 U	10 U	11 U	NS
2,4,6-Trichlorophenol	ug/L 11 U	NS	11 U	10 U	11 U	NS
2,4,5-Trichlorophenol	ug/L 26 U	NS	27 U	26 U	26 U	NS
2-Chloronaphthalene	ug/L 11 U	NS	11 U	10 U	11 U	NS
2-Nitroaniline	ug/L 26 U	NS	27 U	26 U	26 U	NS
Dimethylphthalate	ug/L 11 U	NS	11 U	10 U	11 U	NS
Acenaphthylene	ug/L 11 U	NS	11 U	10 U	11 U	NS
2,6-Dinitrotoluene	ug/L 11 U	NS	11 U	10 U	11 U	NS
3-Nitroaniline	ug/L 26 U	NS	27 U	26 U	26 U	NS
Acenaphthene	ug/L 11 U	NS	11 U	10 U	11 U	NS
2,4-Dinitrophenol	ug/L 26 U	NS	27 U	26 U	26 U	NS
4-Nitrophenol	ug/L 26 U	NS	27 U	26 U	26 U	NS
Dibenzofuran	ug/L 11 U	NS	11 U	10 U	11 U	NS
2,4-Dinitrotoluene	ug/L 11 U	NS	11 U	10 U	11 U	NS
Diethylphthalate	ug/L 11 U	NS	11 U	10 U	11 U	NS
4-Chlorophenyl-phenylether	ug/L 11 U	NS	11 U	10 U	11 U	NS
Fluorene	ug/L 11 U	NS	11 U	10 U	11 U	NS
4-Nitroaniline	ug/L 26 U	NS	27 U	26 U	26 U	NS
4,8-Dinitro-2-methylphenol	ug/L 26 U	NS	27 U	26 U	26 U	NS
N-Nitrosodiphenylamine	ug/L 11 U	NS	11 U	10 U	11 U	NS
4-Bromophenyl-phenylether	ug/L 11 U	NS	11 U	10 U	11 U	NS
Hexachlorobenzene	ug/L 11 U	NS	11 U	10 U	11 U	NS
Pentachlorophenol	ug/L 26 U	NS	27 U	26 U	26 U	NS
Phenanthrene	ug/L 11 U	NS	11 U	10 U	11 U	NS
Anthracene	ug/L 11 U	NS	11 U	10 U	11 U	NS
Carbazole	ug/L 11 U	NS	11 U	10 U	11 U	NS
Di-n-butylphthalate	ug/L 11 U	NS	11 U	10 U	11 U	NS
Fluoranthene	ug/L 11 U	NS	11 U	10 U	11 U	NS
Pyrene	ug/L 11 U	NS	11 U	10 U	11 U	NS
Butylbenzylphthalate	ug/L 11 U	NS	11 U	10 U	11 U	NS
3,3'-Dichlorobenzidine	ug/L 11 U	NS	11 U	10 U	11 U	NS
Benzo(a)anthracene	ug/L 11 U	NS	11 U	10 U	11 U	NS
Chrysene	ug/L 11 U	NS	11 U	10 U	11 U	NS
bis(2-Ethylhexyl)phthalate	ug/L 11 U	NS	11 U	10 U	11 U	NS
Di-n-octylphthalate	ug/L 11 U	NS	11 U	10 U	11 U	NS
Benzo(b)fluoranthene	ug/L 11 U	NS	11 U	10 U	11 U	NS
Benzo(k)fluoranthene	ug/L 11 U	NS	11 U	10 U	11 U	NS
Benzo(a)pyrene	ug/L 11 U	NS	11 U	10 U	11 U	NS
Indeno(1,2,3-cd)pyrene	ug/L 11 U	NS	11 U	10 U	11 U	NS
Dibenz(a,h)anthracene	ug/L 11 U	NS	11 U	10 U	11 U	NS
Benzo(g,h,i)perylene	ug/L 11 U	NS	11 U	10 U	11 U	NS

SENECA ARMY DEPOT
SEAD-17 EXPANDED SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID UNITS	WATER SEAD-17 01/25/94 MW17-1 209339	WATER SEAD-17 01/25/94 MW17-1RE 209339	WATER SEAD-17 11/18/93 MW17-2 205059	WATER SEAD-17 01/26/94 MW17-3 209944	WATER SEAD-17 01/25/94 MW17-4 209340	WATER SEAD-17 01/25/94 MW17-4RE 209340
PESTICIDES/PCB							
alpha-BHC	ug/L	0.052 U	NS	0.053 U	0.052 U	0.053 U	NS
beta-BHC	ug/L	0.052 U	NS	0.053 U	0.052 U	0.053 U	NS
delta-BHC	ug/L	0.052 U	NS	0.053 U	0.052 U	0.053 U	NS
gamma-BHC (Lindane)	ug/L	0.052 U	NS	0.053 U	0.052 U	0.053 U	NS
Heptachlor	ug/L	0.052 U	NS	0.053 U	0.052 U	0.053 U	NS
Aldrin	ug/L	0.052 U	NS	0.053 U	0.052 U	0.053 U	NS
Heptachlor epoxide	ug/L	0.052 U	NS	0.053 U	0.052 U	0.053 U	NS
Endosulfan I	ug/L	0.052 U	NS	0.053 U	0.052 U	0.053 U	NS
Dieldrin	ug/L	0.1 U	NS	0.11 U	0.1 U	0.11 U	NS
4,4'-DDE	ug/L	0.1 U	NS	0.11 U	0.1 U	0.11 U	NS
Endrin	ug/L	0.1 U	NS	0.11 U	0.1 U	0.11 U	NS
Endosulfan II	ug/L	0.1 U	NS	0.11 U	0.1 U	0.11 U	NS
4,4'-DDD	ug/L	0.1 U	NS	0.11 U	0.1 U	0.11 U	NS
Endosulfan sulfate	ug/L	0.1 U	NS	0.11 U	0.1 U	0.11 U	NS
4,4'-DDT	ug/L	0.1 U	NS	0.11 U	0.1 U	0.11 U	NS
Methoxychlor	ug/L	0.52 U	NS	0.53 U	0.52 U	0.53 U	NS
Endrin ketone	ug/L	0.1 U	NS	0.11 U	0.1 U	0.11 U	NS
Endrin aldehyde	ug/L	0.1 U	NS	0.11 U	0.1 U	0.11 U	NS
alpha-Chlordane	ug/L	0.052 U	NS	0.053 U	0.052 U	0.053 U	NS
gamma-Chlordane	ug/L	0.052 U	NS	0.053 U	0.052 U	0.053 U	NS
Toxaphene	ug/L	5.2 U	NS	5.3 U	5.2 U	5.3 U	NS
Aroclor-1016	ug/L	1 U	NS	1.1 U	1 U	1.1 U	NS
Aroclor-1221	ug/L	2.1 U	NS	2.1 U	2.1 U	2.1 U	NS
Aroclor-1232	ug/L	1 U	NS	1.1 U	1 U	1.1 U	NS
Aroclor-1242	ug/L	1 U	NS	1.1 U	1 U	1.1 U	NS
Aroclor-1248	ug/L	1 U	NS	1.1 U	1 U	1.1 U	NS
Aroclor-1254	ug/L	1 U	NS	1.1 U	1 U	1.1 U	NS
Aroclor-1260	ug/L	1 U	NS	1.1 U	1 U	1.1 U	NS
METALS							
Aluminum	ug/L	10800	NS	7220	1070	774	NS
Antimony	ug/L	21.4 U	NS	52.4 U	21.6 UJ	21.6 U	NS
Arsenic	ug/L	5.8 J	NS	3.2 J	1.4 U	0.87 J	NS
Barium	ug/L	147 J	NS	77.9 J	24.4 J	33.4 J	NS
Beryllium	ug/L	0.52 J	NS	0.4 J	0.4 U	0.4 U	NS
Cadmium	ug/L	2.1 U	NS	3.3 U	2.1 U	2.1 U	NS
Calcium	ug/L	170000	NS	149000	110000	113000	NS
Chromium	ug/L	17.3	NS	12.9	2.6 U	2.6 U	NS
Cobalt	ug/L	11.4 J	NS	7 J	4.4 U	4.4 U	NS
Copper	ug/L	16 J R	NS	11.7 J	3.1 U	3.1 U	NS
Iron	ug/L	18300	NS	12200	1670	1100	NS
Lead	ug/L	8.7	NS	32.3	0.52 J R	1.9 J	NS
Magnesium	ug/L	40200	NS	24400	17800	17800	NS
Manganese	ug/L	473	NS	459	164	550	NS
Mercury	ug/L	0.05 J R	NS	0.07 UJ	0.04 U	0.07 J R	NS
Nickel	ug/L	24.4 J	NS	15.4 J	4 U	4 U	NS
Potassium	ug/L	4740 J	NS	4280 J	3590 J	5820	NS
Selenium	ug/L	2 J	NS	0.79 U	0.69 U	0.7 U	NS
Silver	ug/L	4.2 U	NS	6.6 U	4.2 U	4.2 U	NS
Sodium	ug/L	8270	NS	44300	46100	17200	NS
Thallium	ug/L	1.2 U	NS	1.8 U	1.2 U	1.2 U	NS
Vanadium	ug/L	19.9 J	NS	12.6 J	3.7 U	3.7 U	NS
Zinc	ug/L	100	NS	33 R	16.4 J R	13 J R	NS
Cyanide	ug/L	5 U	NS	5 U	5 U	5 U	NS
OTHER ANALYSES							
Nitrate/Nitrite-Nitrogen	mg/L	0.26	NS	0.13	0.09	0.05	NS
Total Petroleum Hydrocarbons	mg/L	NS	NS	NS	NS	NS	NS
Fluoride	mg/L	NS	NS	NS	NS	NS	NS
pH	standard units	7.43	NS	7.46	7.59	7.53	NS
Specific Conductivity	umhos/cm	390	NS	675	420	370	NS
Turbidity	NTU	427	NS	176	47	5.4	NS

SENECA ARMY DEPOT
SEAD-24 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-24 0-0.2 10/22/93	SOIL SEAD-24 0-0.2 10/22/93	SOIL SEAD-24 0-0.2 10/22/93	SOIL SEAD-24 0-0.2 10/22/93	SOIL SEAD-24 0-0.2 10/22/93	SOIL SEAD-24 0-0.2 10/22/93	SOIL SEAD-24 0-0.2 10/22/93	SOIL SEAD-24 0-0.2 10/22/93	SOIL SEAD-24 0-0.2 10/22/93	SOIL SEAD-24 0-0.2 10/22/93	SOIL SEAD-24 0-0.2 10/22/93
ES ID	SS24-1	SS24-1RE	SS24-2	SS24-3	SS24-4	SS24-5	SS24-6	SS24-7	SS24-8	SS24-9	
LAB ID	202078	202078	202079	202080	202081	202082	202083	202084	202085	202086	
UNITS											
VOLATILE ORGANICS											
Chloromethane	ug/Kg	14 UJ	14 UJ	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Bromomethane	ug/Kg	14 UJ	14 UJ	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Vinyl Chloride	ug/Kg	14 UJ	14 UJ	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Chloroethane	ug/Kg	14 UJ	14 UJ	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Methylene Chloride	ug/Kg	14 UJ	14 UJ	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Acetone	ug/Kg	14 UJ	14 UJ	13 U	11 U	12 U	12 U	27	7 J	14 U	13 U
Carbon Disulfide	ug/Kg	14 UJ	14 UJ	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
1,1-Dichloroethene	ug/Kg	14 UJ	14 UJ	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
1,1-Dichloroethane	ug/Kg	14 UJ	14 UJ	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
1,2-Dichloroethene (total)	ug/Kg	14 UJ	14 UJ	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Chloroform	ug/Kg	14 UJ	5 J	13 U	11 U	12 U	13	5 J	1 J	3 J	13 U
1,2-Dichloroethane	ug/Kg	14 UJ	14 UJ	13 U	11 UJ	12 U	12 UJ	13 U	12 UJ	14 U	13 U
2-Butanone	ug/Kg	14 UJ	14 UJ	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
1,1,1-Trichloroethane	ug/Kg	14 UJ	14 UJ	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Carbon Tetrachloride	ug/Kg	14 UJ	14 UJ	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Bromodichloromethane	ug/Kg	14 UJ	14 UJ	13 U	11 UJ	12 U	12 UJ	13 U	12 UJ	14 U	13 U
1,2-Dichloropropane	ug/Kg	14 UJ	14 UJ	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
cis-1,3-Dichloropropene	ug/Kg	14 UJ	14 UJ	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Trichloroethene	ug/Kg	14 UJ	14 UJ	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Dibromochloromethane	ug/Kg	14 UJ	14 UJ	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
1,1,2-Trichloroethane	ug/Kg	14 UJ	14 UJ	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Benzene	ug/Kg	14 UJ	14 UJ	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
trans-1,3-Dichloropropene	ug/Kg	14 UJ	14 UJ	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Bromoform	ug/Kg	14 UJ	14 UJ	13 U	11 UJ	12 U	12 UJ	13 U	12 U	14 U	13 U
4-Methyl-2-Pentanone	ug/Kg	14 UJ	14 UJ	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
2-Hexanone	ug/Kg	14 UJ	14 UJ	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Tetrachloroethene	ug/Kg	14 UJ	14 UJ	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
1,1,2,2-Tetrachloroethane	ug/Kg	14 UJ	14 UJ	13 U	11 UJ	12 U	12 UJ	13 U	12 U	14 U	13 U
Toluene	ug/Kg	14 UJ	14 UJ	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Chlorobenzene	ug/Kg	14 UJ	14 UJ	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Ethylbenzene	ug/Kg	14 UJ	14 UJ	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Styrene	ug/Kg	14 UJ	14 UJ	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Xylene (total)	ug/Kg	14 UJ	14 UJ	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
MTBE	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES											
2,4-D	ug/Kg	81 U	NS	67 U	55 U	62 U	61 U	64 U	61 U	69 U	61 U
2,4-DB	ug/Kg	81 U	NS	67 U	55 U	62 U	61 U	64 U	61 U	69 U	61 U
2,4,5-T	ug/Kg	6.1 U	NS	6.7 U	5.5 U	8.2 U	6.1 U	6.4 U	6.1 U	6.9 U	8
2,4,5-TP (Silvex)	ug/Kg	6.1 U	NS	6.7 U	5.5 U	6.2 U	6.1 U	6.4 U	6.1 U	6.9 U	6.1 U
Dalapon	ug/Kg	150 U	NS	160 U	140 U	150 U	150 U	160 U	150 U	170 U	150 U
Dicamba	ug/Kg	6.1 U	NS	6.7 U	5.5 U	6.2 U	6.1 U	6.4 U	6.1 U	6.9 U	6.1 U
Dichloroprop	ug/Kg	61 U	NS	67 U	55 U	82 U	61 U	64 U	61 U	69 U	61 U
Dinoseb	ug/Kg	31 U	NS	34 U	28 U	31 U	31 U	32 U	31 U	31 U	31 U
MCPA	ug/Kg	6100 U	NS	6700 U	5500 U	6200 U	6100 U	6400 U	6100 U	6900 U	6100 U
MCPP	ug/Kg	6600 U	NS	6700 U	5500 U	6200 U	6100 U	6400 U	6100 U	6900 U	6100 U
NITROAROMATICS											
HMX	ug/Kg	130 U	NS	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
RDX	ug/Kg	130 U	NS	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
1,3,5-Trinitrobenzene	ug/Kg	130 U	NS	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
1,3-Dinitrobenzene	ug/Kg	130 U	NS	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
Tetryl	ug/Kg	130 U	NS	130 U	130 U	130 U	130 U	130 U	130 U	120 J	130 U
2,4,6-Trinitrotoluene	ug/Kg	130 U	NS	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	NS	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	NS	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,6-Dinitrotoluene	ug/Kg	130 U	NS	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,4-Dinitrotoluene	ug/Kg	130 U	NS	310	640	130 U	4400	240	130 U	130 U	900

NOTES:
NS stands for NOT SAMPLED
NA stands for NOT ANALYZED

SENECA ARMY DEPOT
SEAD-24 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-24 0-0.2 10/22/93 SS24-1	SOIL SEAD-24 0-0.2 10/22/93 SS24-1RE	SOIL SEAD-24 0-0.2 10/22/93 SS24-2	SOIL SEAD-24 0-0.2 10/22/93 SS24-3	SOIL SEAD-24 0-0.2 10/22/93 SS24-4	SOIL SEAD-24 0-0.2 10/22/93 SS24-5	SOIL SEAD-24 0-0.2 10/22/93 SS24-6	SOIL SEAD-24 0-0.2 10/22/93 SS24-7	SOIL SEAD-24 0-0.2 10/22/93 SS24-8	SOIL SEAD-24 0-0.2 10/22/93 SS24-9	
ES ID	SS24-1	SS24-1RE	SS24-2	SS24-3	SS24-4	SS24-5	SS24-6	SS24-7	SS24-8	SS24-9	
LAB ID	202078	202078	202079	202080	202081	202082	202083	202084	202085	202086	
UNITS											
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
bis(2-Chloroethyl) ether	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
2-Chlorophenol	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
1,3-Dichlorobenzene	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
1,4-Dichlorobenzene	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
1,2-Dichlorobenzene	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
2-Methylphenol	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
4-Methylphenol	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
N-Nitroso-di-n-propylamine	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
Hexachloroethane	ug/Kg	400 U	NS	440 U	360 U	400 U	1800 U	420 U	400 U	450 U	800 U
Nitrobenzene	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
Isophorone	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
2-Nitrophenol	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
2,4-Dimethylphenol	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
bis(2-Chloroethoxy) methane	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
2,4-Dichlorophenol	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
1,2,4-Trichlorobenzene	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
Naphthalene	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
4-Chloroaniline	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
Hexachlorobutadiene	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
4-Chloro-3-methylphenol	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
2-Methylnaphthalene	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
Hexachlorocyclopentadiene	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
2,4,6-Trichlorophenol	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
2,4,5-Trichlorophenol	ug/Kg	970 U	NS	1100 U	880 U	980 U	3900 U	1000 U	980 U	1100 U	1900 U
2-Chloronaphthalene	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
2-Nitroaniline	ug/Kg	970 U	NS	1100 U	880 U	980 U	3900 U	1000 U	980 U	1100 U	1900 U
Dimethylphthalate	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
Acenaphthylene	ug/Kg	54 J	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
2,6-Dinitrotoluene	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
3-Nitroaniline	ug/Kg	970 U	NS	1100 U	880 U	980 U	3900 U	1000 U	980 U	1100 U	1900 U
Acenaphthene	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
2,4-Dinitrophenol	ug/Kg	970 U	NS	1100 U	880 U	980 U	3900 U	1000 U	980 U	1100 U	1900 U
4-Nitrophenol	ug/Kg	970 U	NS	1100 U	880 U	980 U	3900 U	1000 U	980 U	1100 U	1900 U
Dibenzofuran	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
2,4-Dinitrotoluene	ug/Kg	74 J	NS	440 U	250 J	420	12000	93 J	400 U	450 U	5100
Diethylphthalate	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
4-Chlorophenyl-phenylether	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
Fluorene	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
4-Nitroaniline	ug/Kg	970 U	NS	1100 U	880 U	980 U	3900 U	1000 U	980 U	1100 U	1900 U
4,6-Dinitro-2-methylphenol	ug/Kg	970 U	NS	1100 U	880 U	980 U	3900 U	1000 U	980 U	1100 U	1900 U
N-Nitrosodiphenylamine	ug/Kg	30 J	NS	440 U	74 J	70 J	850 J	420 U	400 U	450 U	440 J
4-Bromophenyl-phenylether	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
Hexachlorobenzene	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
Pentachlorophenol	ug/Kg	970 U	NS	1100 U	880 U	980 U	3900 U	1000 U	980 U	1100 U	1900 U
Phenanthrene	ug/Kg	37 J	NS	440 U	360 U	400 U	1600 U	37 J	400 U	450 U	44 J
Anthracene	ug/Kg	19 J	NS	440 U	360 U	400 U	1800 U	420 U	400 U	450 U	800 U
Carbazole	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
Di-n-butylphthalate	ug/Kg	400 U	NS	440 U	31 J	400 U	370 J	25 J	400 U	450 U	110 J
Fluoranthene	ug/Kg	210 J	NS	440 U	20 J	400 U	1600 U	82 J	400 U	450 U	95 J
Pyrene	ug/Kg	280 J	NS	440 U	18 J	400 U	1600 U	72 J	400 U	450 U	99 J
Butylbenzylphthalate	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
3,3'-Dichlorobenzidine	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
Benzo(a)anthracene	ug/Kg	280 J	NS	440 U	360 U	400 U	1600 U	38 J	400 U	450 U	41 J
Chrysene	ug/Kg	320 J	NS	440 U	18 J	400 U	1600 U	51 J	400 U	450 U	59 J
bis(2-Ethylhexyl)phthalate	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	520
Di-n-octylphthalate	ug/Kg	400 U	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
Benzo(b)fluoranthene	ug/Kg	350 J	NS	440 U	360 U	400 U	1600 U	42 J	400 U	450 U	52 J
Benzo(k)fluoranthene	ug/Kg	340 J	NS	440 U	360 U	400 U	1600 U	40 J	400 U	450 U	44 J
Benzo(a)pyrene	ug/Kg	420	NS	440 U	360 U	400 U	1600 U	34 J	400 U	450 U	45 J
Indeno(1,2,3-cd)pyrene	ug/Kg	220 J	NS	440 U	360 U	400 U	1600 U	22 J	400 U	450 U	800 U
Dibenz(a,h)anthracene	ug/Kg	28 J	NS	440 U	360 U	400 U	1600 U	420 U	400 U	450 U	800 U
Benzo(g,h,i)perylene	ug/Kg	170 J	NS	440 U	360 U	400 U	1600 U	24 J	400 U	450 U	800 U

SENECA ARMY DEPOT
SEAD-24 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-24 0-0.2 10/22/93 SS24-1 202078	SOIL SEAD-24 0-0.2 10/22/93 SS24-1RE 202078	SOIL SEAD-24 0-0.2 10/22/93 SS24-2 202079	SOIL SEAD-24 0-0.2 10/22/93 SS24-3 202080	SOIL SEAD-24 0-0.2 10/22/93 SS24-4 202081	SOIL SEAD-24 0-0.2 10/22/93 SS24-5 202082	SOIL SEAD-24 0-0.2 10/22/93 SS24-6 202083	SOIL SEAD-24 0-0.2 10/22/93 SS24-7 202084	SOIL SEAD-24 0-0.2 10/22/93 SS24-8 202085	SOIL SEAD-24 0-0.2 10/22/93 SS24-9 202086	
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2 U	NS	2.3 U	1.9 U	2.1 U	2 UJ	2.1 U	2.1 U	2.3 U	2 UJ
beta-BHC	ug/Kg	2 U	NS	2.3 U	1.9 U	2.1 U	2 UJ	2.1 U	2.1 U	2.3 U	2 UJ
delta-BHC	ug/Kg	2 U	NS	2.3 U	1.9 U	2.1 U	2 UJ	2.1 U	2.1 U	2.3 U	2 UJ
gamma-BHC (Lindane)	ug/Kg	2 U	NS	2.3 U	1.9 U	2.1 U	2 UJ	2.1 U	2.1 U	2.3 U	2 UJ
Heptachlor	ug/Kg	2 U	NS	2.3 U	1.9 U	2.1 U	2 UJ	2.1 U	2.1 U	2.3 U	2 UJ
Aldrin	ug/Kg	2 U	NS	2.3 U	1.9 U	2.1 U	2 UJ	2.1 U	2.1 U	2.3 U	2 UJ
Heptachlor epoxide	ug/Kg	2 U	NS	2.3 U	1.9 U	2.1 U	2 UJ	2.1 U	2.1 U	2.3 U	2 UJ
Endosulfan I	ug/Kg	2 U	NS	2.3 U	1.9 U	2.1 U	2 UJ	1.1 J	2.1 U	2.3 U	1.9 J
Dieldrin	ug/Kg	4 U	NS	4.4 U	3.6 U	4.1 U	4 UJ	4.1 U	4 U	4.5 U	4 UJ
4,4'-DDE	ug/Kg	4 U	NS	4.4 U	3.6 U	4.1 U	3.6 J	2 J	12	4.5 U	11 J
Endrin	ug/Kg	4 U	NS	4.4 U	3.6 U	4.1 U	4 UJ	4.1 U	4 U	4.5 U	4 UJ
Endosulfan II	ug/Kg	4 U	NS	4.4 U	3.6 U	4.1 U	4 UJ	4.1 U	4 U	4.5 U	4 UJ
4,4'-DDD	ug/Kg	4 U	NS	4.4 U	3.6 U	4.1 U	4 UJ	4.1 U	4 U	4.5 U	4 UJ
Endosulfan sulfate	ug/Kg	4 U	NS	4.4 U	3.6 U	4.1 U	4 UJ	4.1 U	4 U	4.5 U	4 UJ
4,4'-DDT	ug/Kg	4 U	NS	4.4 U	3.6 U	4.1 U	4 UJ	4.1 U	35	4.5 U	4 UJ
Methoxychlor	ug/Kg	20 U	NS	23 U	19 U	21 U	20 UJ	21 U	21 U	23 U	20 UJ
Endrin ketone	ug/Kg	4 U	NS	4.4 U	3.6 U	4.1 U	4 UJ	4.1 U	4 U	4.5 U	4 UJ
Endrin aldehyde	ug/Kg	4 U	NS	4.4 U	3.6 U	4.1 U	4 UJ	4.2 J	4 U	4.5 U	4 UJ
alpha-Chlordane	ug/Kg	2 U	NS	2.3 U	1.9 U	2.1 U	2 UJ	2.1 U	4.7 J	2.3 U	2 UJ
gamma-Chlordane	ug/Kg	2 U	NS	2.3 U	1.9 U	2.1 U	2 UJ	2.1 U	6	2.3 U	2 UJ
Toxaphene	ug/Kg	200 U	NS	230 U	190 U	210 U	200 UJ	210 U	210 U	230 U	200 UJ
Aroclor - 1018	ug/Kg	40 U	NS	44 U	36 U	41 U	40 UJ	41 U	40 U	45 U	40 UJ
Aroclor - 1221	ug/Kg	81 U	NS	89 U	74 U	82 U	80 UJ	83 U	82 U	92 U	81 UJ
Aroclor - 1232	ug/Kg	40 U	NS	44 U	36 U	41 U	40 UJ	41 U	40 U	45 U	40 UJ
Aroclor - 1242	ug/Kg	40 U	NS	44 U	36 U	41 U	40 UJ	41 U	40 U	45 U	40 UJ
Aroclor - 1248	ug/Kg	40 U	NS	44 U	36 U	41 U	40 UJ	41 U	40 U	45 U	40 UJ
Aroclor - 1254	ug/Kg	40 U	NS	44 U	36 U	41 U	40 UJ	41 U	40 U	45 U	40 UJ
Aroclor - 1260	ug/Kg	40 U	NS	44 U	36 U	41 U	40 UJ	41 U	40 U	45 U	40 UJ
METALS											
Aluminum	mg/Kg	9540	NS	16800	12000	18900	13200	13600	18700	14700	11500
Antimony	mg/Kg	10.3 UJ	NS	11.6 UJ	11.4 UJ	11.1 UJ	12.1 UJ	10.4 UJ	8.7 UJ	12.3 UJ	10.9 UJ
Arsenic	mg/Kg	51.1	NS	53.5	20.7	22.1	22.1	56.8	9.9	12.1	38.5
Barium	mg/Kg	71.6	NS	149	57.8	105	121	81.9	118	105	68.8
Beryllium	mg/Kg	0.43 J	NS	0.89 J	0.51 J	0.91 J	0.59 J	0.66 J	0.86	0.81 J	0.53 J
Cadmium	mg/Kg	0.64 U	NS	0.72 U	0.71 U	0.69 U	0.75 U	0.65 U	0.55 U	0.77 U	0.68 U
Calcium	mg/Kg	79300	NS	3290	23600	2140	23000	19900	2100	3940	11800
Chromium	mg/Kg	12.2	NS	24.5	22.2	23.9	21.9	20.4	25.2	23.3	20
Cobalt	mg/Kg	4.7 J	NS	13.8	10.9	11.5	10.4 J	10.6	13	12.6	10.7
Copper	mg/Kg	13.5 J	NS	20 J	28.2 J	26.1 J	35.2 J	22.2 J	23.9 J	22.5 J	32.4 J
Iron	mg/Kg	14000	NS	30900	25500	29200	25000	24300	29100	29700	23900
Lead	mg/Kg	15.1	NS	46.8	59.4	51.3	422	40.7	15.4	24.4	86.5
Magnesium	mg/Kg	43700	NS	4320	5960	4600	5470	4400	5190	4730	5010
Manganese	mg/Kg	393	NS	1770	353	244	550	724	677	448	546
Mercury	mg/Kg	0.04 J	NS	0.05 J	0.04 J	0.15	0.04 U	0.03 U	0.05 J	0.04 J	0.04 J
Nickel	mg/Kg	13.8	NS	30	39.5	26.4	31.6	26.8	30.1	34.8	32.3
Potassium	mg/Kg	1140	NS	1340	1190	1710	1560	1360	2090	1590	1020 J
Selenium	mg/Kg	0.2 UJ	NS	0.23 UJ	0.2 UJ	0.26 UJ	0.23 UJ	0.21 UJ	0.22 UJ	0.23 UJ	0.2 UJ
Silver	mg/Kg	1.3 U	NS	1.5 U	1.5 U	1.4 U	1.5 U	1.3 U	1.1 U	1.6 U	1.4 U
Sodium	mg/Kg	146 J	NS	51.9 J	95.5 J	56 J	88.4 J	69.8 J	52.3 J	59.8 J	68 J
Thallium	mg/Kg	2.2 U	NS	0.25 U	0.22 U	0.29 U	0.25 U	0.23 U	0.24 U	0.25 U	0.21 U
Vanadium	mg/Kg	17.7	NS	30.1	17.1	32.8	22.3	24.4	32.8	27.2	18.3
Zinc	mg/Kg	58.7	NS	129	100	85.1	566	97.2	63.8	88.5	143
Cyanide	mg/Kg	0.08 U	NS	0.1 U	0.09 U	0.1 U	0.08 U	0.1 U	0.1 U	0.11 U	0.1 U
OTHER ANALYSES											
Nitrate/Nitrite - Nitrogen	mg/Kg	2.1	NS	0.56	0.22	0.18	0.6	0.11	0.26	0.16	0.28
Total Solids	%W/W	81.6	NS	75.4	91.4	80.7	81.9	78.6	82.2	73.2	81.7
Total Petroleum Hydrocarbons	mg/Kg	99	NS	81	73	72	78	93	59	46	61
Fluoride	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
pH	standard units	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-24 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	ES ID	LAB ID	UNITS	SOIL SEAD-24 0-0.2 10/22/93 SS24-13	SOIL SEAD-24 0-0.2 10/22/93 SS24-13RE	SOIL SEAD-24 0-0.2 10/22/93 SS24-10	SOIL SEAD-24 0-0.2 10/22/93 SS24-11	SOIL SEAD-24 0-0.2 10/22/93 SS24-12	SOIL SEAD-24 0-0.2 10/22/93 SS24-12RE	SOIL SEAD-24 0-2 11/30/93 SB24-1.1	SOIL SEAD-24 4-6 11/30/93 SB24-1.3	SOIL SEAD-24 4-6 11/30/93 SB24-1.3RE	SOIL SEAD-24 10-12 11/30/93 SB24-1.5
COMPOUND				SS24-9DUP	SS24-9DUP								
VOLATILE ORGANICS													
Chloromethane	ug/Kg			13 UJ	13 UJ	13 U	11 U	13 UJ	13 U	12 U	11 U	NS	11 U
Bromomethane	ug/Kg			13 UJ	13 UJ	13 U	11 U	13 UJ	13 U	12 U	11 U	NS	11 U
Vinyl Chloride	ug/Kg			13 UJ	13 UJ	13 U	11 U	13 UJ	13 U	12 U	11 U	NS	11 U
Chloroethane	ug/Kg			13 UJ	13 UJ	13 U	11 U	13 UJ	13 U	12 U	11 U	NS	11 U
Methylene Chloride	ug/Kg			13 UJ	13 UJ	13 U	11 U	13 UJ	13 U	12 U	11 U	NS	11 U
Acetone	ug/Kg			13 UJ	13 UJ	13 U	11 U	13 UJ	13 U	20 U	26 U	NS	11 U
Carbon Disulfide	ug/Kg			13 UJ	13 UJ	13 U	11 U	13 UJ	13 U	12 U	11 U	NS	11 U
1,1-Dichloroethane	ug/Kg			13 UJ	13 UJ	13 U	11 U	13 UJ	13 U	12 U	11 U	NS	11 U
1,1-Dichloroethane	ug/Kg			13 UJ	13 UJ	13 U	11 U	13 UJ	13 U	12 U	11 U	NS	11 U
1,2-Dichloroethane (total)	ug/Kg			13 UJ	13 UJ	13 U	11 U	13 UJ	13 U	12 U	11 U	NS	11 U
Chloroform	ug/Kg			4 J	13 UJ	13 U	11 U	13 UJ	3 J	12 U	11 U	NS	11 U
1,2-Dichloroethane	ug/Kg			13 UJ	13 UJ	13 U	11 U	13 UJ	13 U	12 U	11 U	NS	11 U
2-Butanone	ug/Kg			13 UJ	13 UJ	13 U	11 U	13 UJ	13 U	12 U	11 U	NS	11 U
1,1,1-Trichloroethane	ug/Kg			13 UJ	13 UJ	13 U	11 U	13 UJ	13 U	12 U	11 U	NS	11 U
Carbon Tetrachloride	ug/Kg			13 UJ	13 UJ	13 U	11 U	13 UJ	13 U	12 U	11 U	NS	11 U
Bromodichloromethane	ug/Kg			13 UJ	13 UJ	13 U	11 U	13 UJ	13 U	12 U	11 U	NS	11 U
1,2-Dichloropropane	ug/Kg			13 UJ	13 UJ	13 U	11 U	13 UJ	13 U	12 U	11 U	NS	11 U
cis-1,3-Dichloropropene	ug/Kg			13 UJ	13 UJ	13 U	11 U	13 UJ	13 U	12 U	11 U	NS	11 U
Trichloroethene	ug/Kg			13 UJ	13 UJ	13 U	11 U	13 UJ	13 U	12 U	11 U	NS	11 U
Dibromochloromethane	ug/Kg			13 UJ	13 UJ	13 U	11 U	13 UJ	13 U	12 U	11 U	NS	11 U
1,1,2-Trichloroethane	ug/Kg			13 UJ	13 UJ	13 U	11 U	13 UJ	13 U	12 U	11 U	NS	11 U
Benzene	ug/Kg			13 UJ	13 UJ	13 U	11 U	13 UJ	13 U	12 U	11 U	NS	11 U
trans-1,3-Dichloropropene	ug/Kg			13 UJ	13 UJ	13 U	11 U	13 UJ	13 U	12 U	11 U	NS	11 U
Bromoform	ug/Kg			13 UJ	13 UJ	13 U	11 U	13 UJ	13 U	12 U	11 U	NS	11 U
4-Methyl-2-Pentanone	ug/Kg			13 UJ	13 UJ	13 U	11 U	13 UJ	13 U	12 U	11 U	NS	11 U
2-Hexanone	ug/Kg			13 UJ	13 UJ	13 U	11 U	13 UJ	13 U	12 U	11 U	NS	11 U
Tetrachloroethene	ug/Kg			13 UJ	13 UJ	13 U	11 U	13 UJ	13 U	12 U	11 U	NS	11 U
1,1,2,2-Tetrachloroethane	ug/Kg			13 UJ	13 UJ	13 U	11 U	13 UJ	13 U	12 U	11 U	NS	11 U
Toluene	ug/Kg			13 UJ	13 UJ	13 U	11 U	13 UJ	13 U	12 U	11 U	NS	11 U
Chlorobenzene	ug/Kg			13 UJ	13 UJ	13 U	11 U	13 UJ	13 U	12 U	11 U	NS	11 U
Ethylbenzene	ug/Kg			13 UJ	13 UJ	13 U	11 U	13 UJ	7 J	12 U	11 U	NS	11 U
Styrene	ug/Kg			13 UJ	13 UJ	13 U	11 U	13 UJ	13 U	12 U	11 U	NS	11 U
Xylene (total)	ug/Kg			13 UJ	13 UJ	13 U	11 U	13 UJ	13 U	12 U	11 U	NS	11 U
MTBE	ug/Kg			NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES													
2,4-D	ug/Kg			61 U	NS	63 U	56 U	65 U	NS	62 U	56 U	R	56 UJ
2,4-DB	ug/Kg			61 U	NS	63 U	56 U	65 U	NS	62 U	56 U	R	56 UJ
2,4,5-T	ug/Kg			6.1 U	NS	6.3 U	5.6 U	6.5 U	NS	6.2 U	5.6 U	R	5.6 UJ
2,4,5-TP (Silvex)	ug/Kg			6.1 U	NS	6.3 U	5.6 U	6.5 U	NS	6.2 U	5.6 U	R	5.6 UJ
Dalapon	ug/Kg			150 U	NS	160 U	140 U	160 U	NS	150 U	140 U	R	140 UJ
Dicamba	ug/Kg			9.7	NS	6.3 U	5.6 U	6.5 U	NS	6.2 U	5.6 U	R	5.6 UJ
Dichloroprop	ug/Kg			61 U	NS	63 U	56 U	65 U	NS	62 U	56 U	R	56 UJ
Dinoseb	ug/Kg			31 U	NS	32 U	28 U	33 U	NS	31 U	28 U	R	28 UJ
MCPA	ug/Kg			6100 U	NS	6300 U	5600 U	6500 U	NS	6200 U	5600 U	R	5600 UJ
MCPP	ug/Kg			6100 U	NS	6300 U	5600 U	6500 U	NS	6200 U	5600 U	R	5600 UJ
NITROAROMATICS													
HMX	ug/Kg			130 U	NS	130 U	130 U	130 U	NS	130 UJ	130 U	NS	130 U
RDX	ug/Kg			130 U	NS	130 U	130 U	130 U	NS	130 UJ	130 U	NS	130 U
1,3,5-Trinitrobenzene	ug/Kg			130 U	NS	130 U	130 U	130 U	NS	130 UJ	130 U	NS	130 U
1,3-Dinitrobenzene	ug/Kg			130 U	NS	130 U	130 U	130 U	NS	130 UJ	130 U	NS	130 U
Tetryl	ug/Kg			130 U	NS	130 U	130 U	130 U	NS	130 UJ	130 U	NS	130 U
2,4,6-Trinitrotoluene	ug/Kg			130 U	NS	130 U	130 U	130 U	NS	130 UJ	130 U	NS	130 U
4-amino-2,6-Dinitrotoluene	ug/Kg			130 U	NS	130 U	130 U	130 U	NS	130 UJ	130 U	NS	130 U
2-amino-4,6-Dinitrotoluene	ug/Kg			130 U	NS	130 U	130 U	130 U	NS	130 UJ	130 U	NS	130 U
2,6-Dinitrotoluene	ug/Kg			130 U	NS	130 U	130 U	130 U	NS	130 UJ	130 U	NS	130 U
2,4-Dinitrotoluene	ug/Kg			560	NS	130 U	130 U	130 U	NS	130 UJ	130 U	NS	130 U

SENECA ARMY DEPOT
SEAD-24 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-24 0-0.2 10/22/93	SOIL SEAD-24 0-0.2 10/22/93	SOIL SEAD-24 0-0.2 10/22/93	SOIL SEAD-24 0-0.2 10/22/93	SOIL SEAD-24 0-0.2 10/22/93	SOIL SEAD-24 0-0.2 10/22/93	SOIL SEAD-24 0-0.2 10/22/93	SOIL SEAD-24 0-2 11/30/93	SOIL SEAD-24 4-6 11/30/93	SOIL SEAD-24 4-6 11/30/93	SOIL SEAD-24 4-6 11/30/93
ES ID	SS24-13	SS24-13RE	SS24-10	SS24-11	SS24-12	SS24-12RE	SS24-11	SB24-1.1	SB24-1.3	SB24-1.3RE	SB24-1.5
LAB ID	202092	202092	202089	202090	202091	202091	202091	205918	205919	205919	205920
UNITS	SS24-9DUP	SS24-9DUP	SS24-9DUP	SS24-9DUP	SS24-9DUP	SS24-9DUP	SS24-9DUP	SS24-9DUP	SS24-9DUP	SS24-9DUP	SS24-9DUP
COMPOUND											
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
bis(2-Chloroethyl) ether	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
2-Chlorophenol	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
1,3-Dichlorobenzene	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
1,4-Dichlorobenzene	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
1,2-Dichlorobenzene	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
2-Methylphenol	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
4-Methylphenol	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
N-Nitroso-di-n-propylamine	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
Hexachloroethane	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
Nitrobenzene	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
Isophorone	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
2-Nitrophenol	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
2,4-Dimethylphenol	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
bis(2-Chloroethoxy) methane	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
2,4-Dichlorophenol	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
1,2,4-Trichlorobenzene	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
Naphthalene	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
4-Chloroaniline	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
Hexachlorobutadiene	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
4-Chloro-3-methylphenol	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
2-Methylnaphthalene	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
Hexachlorocyclopentadiene	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
2,4,6-Trichlorophenol	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
2,4,5-Trichlorophenol	ug/Kg	3900 U	NS	1000 U	890 U	1000 U	NS	980 U	900 U	NS	850 U
2-Chloronaphthalene	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
2-Nitroaniline	ug/Kg	3900 U	NS	1000 U	890 U	1000 U	NS	980 U	900 U	NS	850 U
Dimethylphthalate	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
Acenaphthylene	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
2,6-Dinitrotoluene	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
3-Nitroaniline	ug/Kg	3900 U	NS	1000 U	890 U	1000 U	NS	980 U	900 U	NS	850 U
Acenaphthene	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
2,4-Dinitrophenol	ug/Kg	3900 U	NS	1000 U	890 U	1000 U	NS	980 U	900 U	NS	850 U
4-Nitrophenol	ug/Kg	3900 U	NS	1000 U	890 U	1000 U	NS	980 U	900 U	NS	850 U
Dibenzofuran	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
2,4-Dinitrotoluene	ug/Kg	7800	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
Diethylphthalate	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
4-Chlorophenyl-phenylether	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
Fluorene	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
4-Nitroaniline	ug/Kg	3900 U	NS	1000 U	890 U	1000 U	NS	980 U	900 U	NS	850 U
4,6-Dinitro-2-methylphenol	ug/Kg	3900 U	NS	1000 U	890 U	1000 U	NS	980 U	900 U	NS	850 U
N-Nitrosodiphenylamine	ug/Kg	810 J	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
4-Bromophenyl-phenylether	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
Hexachlorobenzene	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
Pentachlorophenol	ug/Kg	3900 U	NS	1000 U	890 U	1000 U	NS	980 U	900 U	NS	850 U
Phenanthrene	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
Anthracene	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
Carbazole	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
Di-n-butylphthalate	ug/Kg	1100 J	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
Fluoranthene	ug/Kg	160 J	NS	420 U	370 U	29 J	NS	400 U	370 U	NS	350 U
Pyrene	ug/Kg	150 J	NS	420 U	370 U	29 J	NS	400 U	370 U	NS	350 U
Butylbenzylphthalate	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
3,3'-Dichlorobenzidine	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
Berzo(a)anthracene	ug/Kg	78 J	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
Chrysene	ug/Kg	100 J	NS	420 U	370 U	20 J	NS	400 U	370 U	NS	350 U
bis(2-Ethylhexyl)phthalate	ug/Kg	620	NS	420 U	370 U	430 U	NS	1200	860	NS	38 J
Di-n-octylphthalate	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
Berzo(b)fluoranthene	ug/Kg	83 J	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
Berzo(k)fluoranthene	ug/Kg	74 J	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
Berzo(a)pyrene	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
Indeno(1,2,3-cd)pyrene	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
Dibenz(a,h)anthracene	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U
Berzo(g,h,i)perylene	ug/Kg	1600 U	NS	420 U	370 U	430 U	NS	400 U	370 U	NS	350 U

SENECA ARMY DEPOT
SEAD-24 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SEAD-24 0-0.2 10/22/93 SS24-13 202092 SS24-9DUP	SEAD-24 0-0.2 10/22/93 SS24-13RE 202092 SS24-9DUP	SEAD-24 0-0.2 10/22/93 SS24-10 202069	SEAD-24 0-0.2 10/22/93 SS24-11 202090	SEAD-24 0-0.2 10/22/93 SS24-12 202091	SEAD-24 0-0.2 10/22/93 SS24-12RE 202091	SEAD-24 0-2 11/30/93 SB24-1.1 205918	SEAD-24 4-6 11/30/93 SB24-1.3 205919	SEAD-24 4-6 11/30/93 SB24-1.3RE 205919	SEAD-24 10-12 11/30/93 SB24-1.5 205920
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2.1 UJ	NS	2.1 U	1.9 U	2.2 U	NS	2.1 U	1.9 U	NS	1.8 U
beta-BHC	ug/Kg	2.1 UJ	NS	2.1 U	1.9 U	2.2 U	NS	2.1 U	1.9 U	NS	1.8 U
delta-BHC	ug/Kg	2.1 UJ	NS	2.1 U	1.9 U	2.2 U	NS	2.1 U	1.9 U	NS	1.8 U
gamma-BHC (Lindane)	ug/Kg	2.1 UJ	NS	2.1 U	1.9 U	2.2 U	NS	2.1 U	1.9 U	NS	1.8 U
Heptachlor	ug/Kg	2.1 UJ	NS	2.1 U	1.9 U	2.2 U	NS	2.1 U	1.9 U	NS	1.8 U
Aldrin	ug/Kg	2.1 UJ	NS	2.1 U	1.9 U	2.2 U	NS	2.1 U	1.9 U	NS	1.8 U
Heptachlor epoxide	ug/Kg	2.1 UJ	NS	2.1 U	1.9 U	2.2 U	NS	2.1 U	1.9 U	NS	1.8 U
Endosulfan I	ug/Kg	2.3 J	NS	2.1 U	1.9 U	2.2 U	NS	2.1 U	1.9 U	NS	1.8 U
Dieldrin	ug/Kg	4 UJ	NS	4.1 U	3.6 U	4.3 U	NS	4 U	3.7 U	NS	3.5 U
4,4'-DDE	ug/Kg	8.6 J	NS	4.1 U	3.6 U	4.3 U	NS	4 U	3.7 U	NS	3.5 U
Endrin	ug/Kg	4 UJ	NS	4.1 U	3.6 U	4.3 U	NS	4 U	3.7 U	NS	3.5 U
Endosulfan II	ug/Kg	4 UJ	NS	4.1 U	3.6 U	4.3 U	NS	4 U	3.7 U	NS	3.5 U
4,4'-DDD	ug/Kg	4 UJ	NS	4.1 U	3.6 U	4.3 U	NS	4 U	3.7 U	NS	3.5 U
Endosulfan sulfate	ug/Kg	4 UJ	NS	4.1 U	3.6 U	4.3 U	NS	4 U	3.7 U	NS	3.5 U
4,4'-DDT	ug/Kg	2.7 J	NS	4.1 U	3.6 U	4.3 U	NS	4 U	3.7 U	NS	3.5 U
Methoxychlor	ug/Kg	21 UJ	NS	21 U	19 U	22 U	NS	21 U	19 U	NS	18 U
Endrin ketone	ug/Kg	4 UJ	NS	4.1 U	3.6 U	4.3 U	NS	4 U	3.7 U	NS	3.5 U
Endrin aldehyde	ug/Kg	4 UJ	NS	4.1 U	3.6 U	4.3 U	NS	4 U	3.7 U	NS	3.5 U
alpha-Chlordane	ug/Kg	2.1 UJ	NS	2.1 U	1.9 U	2.2 U	NS	2.1 U	1.9 U	NS	1.8 U
gamma-Chlordane	ug/Kg	2.1 UJ	NS	2.1 U	1.9 U	2.2 U	NS	2.1 U	1.9 U	NS	1.8 U
Toxaphene	ug/Kg	210 UJ	NS	210 U	190 U	220 U	NS	210 U	190 U	NS	180 U
Aroclor-1016	ug/Kg	40 UJ	NS	41 U	36 U	43 U	NS	40 U	37 U	NS	35 U
Aroclor-1221	ug/Kg	81 UJ	NS	84 U	74 U	87 U	NS	82 U	75 U	NS	72 U
Aroclor-1232	ug/Kg	40 UJ	NS	41 U	36 U	43 U	NS	40 U	37 U	NS	35 U
Aroclor-1242	ug/Kg	40 UJ	NS	41 U	36 U	43 U	NS	40 U	37 U	NS	35 U
Aroclor-1248	ug/Kg	40 UJ	NS	41 U	36 U	43 U	NS	40 U	37 U	NS	35 U
Aroclor-1254	ug/Kg	40 UJ	NS	41 U	36 U	43 U	NS	40 U	37 U	NS	35 U
Aroclor-1260	ug/Kg	40 UJ	NS	41 U	36 U	43 U	NS	40 U	37 U	NS	35 U
METALS											
Aluminum	mg/Kg	14300	NS	25500	12900	15900	NS	24000	11400	NS	9280
Antimony	mg/Kg	11.4 UJ	NS	11.3 UJ	9.3 UJ	12.4 UJ	NS	9.5 UJ	8.1 UJ	NS	6 UJ
Arsenic	mg/Kg	38.6	NS	8.7	6.4	8.1	NS	5.2	3.9	NS	3.8
Barium	mg/Kg	96.6	NS	119	28.2 J	88.8	NS	97.3	58.9	NS	57.2
Beryllium	mg/Kg	0.87 J	NS	1.2	0.57 J	0.81 J	NS	0.9 J	0.5 J	NS	0.44 J
Cadmium	mg/Kg	0.71 U	NS	0.7 U	0.75 J	8.2	NS	0.59 U	0.51 U	NS	0.38 U
Calcium	mg/Kg	8670	NS	2770	13400	4660	NS	4950	58500	NS	58400
Chromium	mg/Kg	23.8	NS	35.1	25.1	23.8	NS	32.2	17.8	NS	15.5
Cobalt	mg/Kg	11	NS	17.8	14.8	11.5 J	NS	12.2	9.5	NS	9.7
Copper	mg/Kg	34.5 J	NS	32.6 J	34.6 J	24.4 J	NS	28.9	26.4	NS	14.9
Iron	mg/Kg	26300	NS	37500	30600	27500	NS	33200	22700	NS	18800
Lead	mg/Kg	112	NS	24.6	30.9	121	NS	13.5 J	13.1 J	NS	5.9 J
Magnesium	mg/Kg	5390	NS	6660	6750	5000	NS	6990	11300	NS	12700
Manganese	mg/Kg	519	NS	612	293	512	NS	438	397	NS	364
Mercury	mg/Kg	0.04 J	NS	0.05 J	0.04 U	0.06 J	NS	0.04 J	0.02 UJ	NS	0.03 UJ
Nickel	mg/Kg	35.4	NS	46.6	52.4	53.5	NS	43.4	30.8	NS	23.7
Potassium	mg/Kg	1410	NS	2510	1200	1650	NS	2120	1610	NS	1130
Selenium	mg/Kg	0.25 UJ	NS	0.21 UJ	0.27 J	0.26 UJ	NS	0.19 UJ	0.21 UJ	NS	0.19 UJ
Silver	mg/Kg	1.4 U	NS	1.4 U	1.2 U	1.6 U	NS	1.2 U	1 U	NS	0.76 U
Sodium	mg/Kg	74.3 J	NS	63 J	91.5 J	53.5 J	NS	86.5 J	116 J	NS	127 J
Thallium	mg/Kg	0.28 U	NS	0.23 U	0.23 U	0.28 U	NS	0.21 UJ	0.23 UJ	NS	0.21 UJ
Vanadium	mg/Kg	24	NS	39.3	18.2	26.1	NS	33	17	NS	13.5
Zinc	mg/Kg	182	NS	108	236	1180	NS	99.9	114	NS	44.3
Cyanide	mg/Kg	0.1 U	NS	0.1 U	0.09 U	0.1 U	NS	NA	NA	NS	NA
OTHER ANALYSES											
Nitrate/Nitrite - Nitrogen	mg/Kg	0.37	NS	0.3	0.05	0.14	NS	0.01	0.02	NS	0.17
Total Solids	%W/W	81.5	NS	78.1	90.5	76.7	NS	81	89.5	NS	92.7
Total Petroleum Hydrocarbons	mg/Kg	158	NS	47	38	87	NS	32	68	NS	43
Fluoride	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
pH	standard units	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-24 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-24 0-2 11/30/93 SB24-1.7 205921 SB24-1.1DUP	SOIL SEAD-24 0-2 11/30/93 SB24-1.7RE 205921 SB24-1.1DUP	SOIL SEAD-24 0-2 12/01/93 SB24-2.1 205922	SOIL SEAD-24 0-2 12/01/93 SB24-2.1RE 205922	SOIL SEAD-24 6-8 12/01/93 SB24-2.3 205923	SOIL SEAD-24 6-8 12/01/93 SB24-2.3RE 205923	SOIL SEAD-24 12-14 12/01/93 SB24-2.4 205952	SOIL SEAD-24 12-14 12/01/93 SB24-2.4RE 205952	SOIL SEAD-24 0-2 12/02/93 SB24-3.1 206044	SOIL SEAD-24 4-6 12/02/93 SB24-3.3 206045	
VOLATILE ORGANICS											
Chloromethane	ug/Kg	11 U	NS	12 U	NS	11 U	NS	11 UJ	11 U	12 U	11 U
Bromomethane	ug/Kg	11 U	NS	12 U	NS	11 U	NS	11 UJ	11 U	12 U	11 U
Vinyl Chloride	ug/Kg	11 U	NS	12 U	NS	11 U	NS	11 UJ	11 U	12 U	11 U
Chloroethane	ug/Kg	11 U	NS	12 U	NS	11 U	NS	11 UJ	11 U	12 U	11 U
Methylene Chloride	ug/Kg	11 U	NS	12 U	NS	11 U	NS	11 UJ	12	12 U	11 U
Acetone	ug/Kg	11 U	NS	12 U	NS	14 U	NS	11 UJ	11 U	12 U	11 U
Carbon Disulfide	ug/Kg	11 U	NS	12 U	NS	11 U	NS	11 UJ	11 U	12 U	11 U
1,1-Dichloroethene	ug/Kg	11 U	NS	12 U	NS	11 U	NS	11 UJ	11 U	12 U	11 U
1,1-Dichloroethane	ug/Kg	11 U	NS	12 U	NS	11 U	NS	11 UJ	11 U	12 U	11 U
1,2-Dichloroethene (total)	ug/Kg	11 U	NS	12 U	NS	11 U	NS	11 UJ	11 U	12 U	11 U
Chloroform	ug/Kg	11 U	NS	12 U	NS	11 U	NS	6 J	2 J	12 U	11 U
1,2-Dichloroethane	ug/Kg	11 U	NS	12 U	NS	11 U	NS	11 UJ	11 U	12 U	11 U
2-Butanone	ug/Kg	11 U	NS	12 U	NS	11 U	NS	11 UJ	11 U	12 U	11 U
1,1,1-Trichloroethane	ug/Kg	11 U	NS	12 U	NS	11 U	NS	11 UJ	11 U	12 U	11 U
Carbon Tetrachloride	ug/Kg	11 U	NS	12 U	NS	11 U	NS	11 UJ	11 U	12 U	11 U
Bromodichloromethane	ug/Kg	11 U	NS	12 U	NS	11 U	NS	11 UJ	11 U	12 U	11 U
1,2-Dichloropropane	ug/Kg	11 U	NS	12 U	NS	11 U	NS	11 UJ	11 U	12 U	11 U
cis-1,3-Dichloropropene	ug/Kg	11 U	NS	12 U	NS	11 U	NS	11 UJ	11 U	12 U	11 U
Trichloroethene	ug/Kg	11 U	NS	12 U	NS	11 U	NS	11 UJ	11 U	12 U	11 U
Dibromochloromethane	ug/Kg	11 U	NS	12 U	NS	11 U	NS	11 UJ	11 U	12 U	11 U
1,1,2-Trichloroethane	ug/Kg	11 U	NS	12 U	NS	11 U	NS	11 UJ	11 U	12 U	11 U
Benzene	ug/Kg	11 U	NS	12 U	NS	11 U	NS	11 UJ	11 U	12 U	11 U
trans-1,3-Dichloropropene	ug/Kg	11 U	NS	12 U	NS	11 U	NS	11 UJ	11 U	12 U	11 U
Bromoform	ug/Kg	11 U	NS	12 U	NS	11 U	NS	11 UJ	11 U	12 U	11 U
4-Methyl-2-Pentanone	ug/Kg	11 U	NS	12 U	NS	11 U	NS	11 UJ	11 U	12 U	11 U
2-Hexanone	ug/Kg	11 U	NS	12 U	NS	11 U	NS	11 UJ	11 U	12 U	11 U
Tetrachloroethene	ug/Kg	11 U	NS	12 U	NS	11 U	NS	11 UJ	11 U	12 U	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	11 U	NS	12 U	NS	11 U	NS	11 UJ	11 U	12 U	11 U
Toluene	ug/Kg	11 U	NS	12 U	NS	11 U	NS	11 UJ	11 U	12 U	11 U
Chlorobenzene	ug/Kg	11 U	NS	12 U	NS	11 U	NS	11 UJ	11 U	12 U	11 U
Ethylbenzene	ug/Kg	11 U	NS	12 U	NS	11 U	NS	11 UJ	11 U	12 U	11 U
Styrene	ug/Kg	11 U	NS	12 U	NS	11 U	NS	11 UJ	11 U	12 U	11 U
Xylene (total)	ug/Kg	11 U	NS	12 U	NS	11 U	NS	11 UJ	11 U	12 U	11 U
MTBE	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES											
2,4-D	ug/Kg	59 U	NS	61 U	NS	56 U	NS	54 U	NS	63 U	59 U
2,4-DB	ug/Kg	59 U	NS	61 U	NS	56 U	NS	54 U	NS	63 U	59 U
2,4,5-T	ug/Kg	5.9 U	NS	6.1 U	NS	5.6 U	NS	5.4 U	NS	6.3 U	5.9 U
2,4,5-TP (Silvex)	ug/Kg	5.9 U	NS	6.1 U	NS	5.6 U	NS	5.4 U	NS	6.3 U	5.9 U
Dalapon	ug/Kg	150 U	NS	150 U	NS	140 U	NS	130 U	NS	160 U	140 U
Dicamba	ug/Kg	5.9 U	NS	6.1 U	NS	5.6 U	NS	5.4 U	NS	6.3 U	5.9 U
Dichloroprop	ug/Kg	59 U	NS	61 U	NS	56 U	NS	54 U	NS	63 U	59 U
Dinoseb	ug/Kg	30 U	NS	31 U	NS	28 U	NS	27 U	NS	32 U	30 U
MCPA	ug/Kg	5900 U	NS	6100 U	NS	5600 U	NS	5400 U	NS	6300 U	5900 U
MCPP	ug/Kg	5900 U	NS	6100 U	NS	5600 U	NS	5400 U	NS	6300 U	5900 U
NITROAROMATICS											
HMX	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	130 U
RDX	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	130 U
1,3,5-Trinitrobenzene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	130 U
1,3-Dinitrobenzene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	76 J	NS	130 U	130 U
Tetryl	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	1100 U	1700 U
2,4,6-Trinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	130 U
4-amino-2,6-Dinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	130 U
2-amino-4,6-Dinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	130 U
2,6-Dinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	130 U
2,4-Dinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	130 U

SENECA ARMY DEPOT
SEAD-24 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID	SOIL SEAD-24 0-2 11/30/93 SB24-1.7 205921 SB24-1.1DUP	SOIL SEAD-24 0-2 11/30/93 SB24-1.7RE 205921 SB24-1.1DUP	SOIL SEAD-24 0-2 12/01/93 SB24-2.1 205922	SOIL SEAD-24 0-2 12/01/93 SB24-2.1RE 205922	SOIL SEAD-24 6-8 12/01/93 SB24-2.3 205923	SOIL SEAD-24 6-8 12/01/93 SB24-2.3RE 205923	SOIL SEAD-24 12-14 12/01/93 SB24-2.4 205952	SOIL SEAD-24 12-14 12/01/93 SB24-2.4RE 205952	SOIL SEAD-24 0-2 12/02/93 SB24-3.1 206044	SOIL SEAD-24 4-6 12/02/93 SB24-3.3 206045	
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	380 U R	370 UJ	350 U	NS	420 U	380 U	
bis(2-Chloroethyl) ether	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
2-Chlorophenol	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
1,3-Dichlorobenzene	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
1,4-Dichlorobenzene	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
1,2-Dichlorobenzene	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
2-Methylphenol	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
2,2'-oxybis(1-Chloropropane)	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
4-Methylphenol	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
N-Nitroso-di-n-propylamine	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
Hexachloroethane	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
Nitrobenzene	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
Isophorone	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
2-Nitrophenol	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
2,4-Dimethylphenol	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
bis(2-Chloroethoxy) methane	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
2,4-Dichlorophenol	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
1,2,4-Trichlorobenzene	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
Naphthalene	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
4-Chloroaniline	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
Hexachlorobutadiene	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
4-Chloro-3-methylphenol	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
2-Methylnaphthalene	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
Hexachlorocyclopentadiene	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
2,4,6-Trichlorophenol	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
2,4,5-Trichlorophenol	ug/Kg 930 U R	940 UJ	990 U R	980 UJ	890 U R	890 UJ	860 U	NS	1000 U	920 U	
2-Chloronaphthalene	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
2-Nitroaniline	ug/Kg 930 U R	940 UJ	990 U R	980 UJ	890 U R	890 UJ	860 U	NS	1000 U	920 U	
Dimethylphthalate	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
Acenaphthylene	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
2,6-Dinitrotoluene	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
3-Nitroaniline	ug/Kg 930 U R	940 UJ	990 U R	980 UJ	890 U R	890 UJ	860 U	NS	1000 U	920 U	
Acenaphthene	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
2,4-Dinitrophenol	ug/Kg 930 U R	940 UJ	990 U R	980 UJ	890 U R	890 UJ	860 U	NS	1000 U	920 U	
4-Nitrophenol	ug/Kg 930 U R	940 UJ	990 U R	980 UJ	890 U R	890 UJ	860 U	NS	1000 U	920 U	
Dibenzofuran	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
2,4-Dinitrotoluene	ug/Kg 380 U R	390 UJ	410 U R	980 J	360 U R	370 UJ	350 U	NS	420 U	380 U	
Diethylphthalate	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
4-Chlorophenyl-phenylether	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
Fluorene	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
4-Nitroaniline	ug/Kg 930 U R	940 UJ	990 U R	980 UJ	890 U R	890 UJ	860 U	NS	1000 U	920 U	
4,6-Dinitro-2-methylphenol	ug/Kg 930 U R	940 UJ	990 U R	980 UJ	890 U R	890 UJ	860 U	NS	1000 U	920 U	
N-Nitrosodiphenylamine	ug/Kg 380 U R	390 UJ	410 U R	260 J	360 U R	370 UJ	350 U	NS	420 U	380 U	
4-Bromophenyl-phenylether	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
Hexachlorobenzene	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
Pentachlorophenol	ug/Kg 930 U R	940 UJ	990 U R	980 UJ	890 U R	890 UJ	860 U	NS	1000 U	920 U	
Phenanthrene	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	33 J	380 U	
Anthracene	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
Carbazole	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
Di-n-butylphthalate	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
Fluoranthene	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	62 J	380 U	
Pyrene	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	56 J	380 U	
Butylbenzylphthalate	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
3,3'-Dichlorobenzidine	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
Benzo(a)anthracene	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
Chrysene	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	37 J	380 U	
bis(2-Ethylhexyl)phthalate	ug/Kg 44 J R	1300 J	410 U R	30 J	360 U R	27 J	41 J	NS	420 U	89 J	
Di-n-octylphthalate	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
Benzo(b)fluoranthene	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	27 J	380 U	
Benzo(k)fluoranthene	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	27 J	380 U	
Benzo(a)pyrene	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	24 J	380 U	
Indeno(1,2,3-cd)pyrene	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
Dibenz(a,h)anthracene	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	
Benzo(g,h,i)perylene	ug/Kg 380 U R	390 UJ	410 U R	410 UJ	360 U R	370 UJ	350 U	NS	420 U	380 U	

SENECA ARMY DEPOT
SEAD-24 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-24 0-2 11/30/93 SB24-1.7 205921 SB24-1.1DUP	SOIL SEAD-24 0-2 11/30/93 SB24-1.7RE 205921 SB24-1.1DUP	SOIL SEAD-24 0-2 12/01/93 SB24-2.1 205922	SOIL SEAD-24 0-2 12/01/93 SB24-2.1RE 205922	SOIL SEAD-24 6-8 12/01/93 SB24-2.3 205923	SOIL SEAD-24 6-8 12/01/93 SB24-2.3RE 205923	SOIL SEAD-24 12-14 12/01/93 SB24-2.4 205924	SOIL SEAD-24 12-14 12/01/93 SB24-2.4RE 205924	SOIL SEAD-24 0-2 12/02/93 SB24-3.1 206044	SOIL SEAD-24 4-6 12/02/93 SB24-3.3 206045
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2 U	2 UJ	2.1 U	2.1 UJ	1.9 U	1.9 UJ	1.8 U	NS	2.2 U	2 U
beta-BHC	ug/Kg	2 U	2 UJ	2.1 U	2.1 UJ	1.9 U	1.9 UJ	1.8 U	NS	2.2 U	2 U
delta-BHC	ug/Kg	2 U	2 UJ	2.1 U	2.1 UJ	1.9 U	1.9 UJ	1.8 U	NS	2.2 U	2 U
gamma-BHC (Lindane)	ug/Kg	2 U	2 UJ	2.1 U	2.1 UJ	1.9 U	1.9 UJ	1.8 U	NS	2.2 U	2 U
Heptachlor	ug/Kg	2 U	2 UJ	2.1 U	2.1 UJ	1.9 U	1.9 UJ	1.8 U	NS	2.2 U	2 U
Aldrin	ug/Kg	2 U	2 UJ	2.1 U	2.1 UJ	1.9 U	1.9 UJ	1.8 U	NS	2.2 U	2 U
Heptachlor epoxide	ug/Kg	2 U	2 UJ	2.1 U	2.1 UJ	1.9 U	1.9 UJ	1.8 U	NS	2.2 U	2 U
Endosulfan I	ug/Kg	2 U	2 UJ	2.1 U	2.1 UJ	1.9 U	1.9 UJ	1.8 U	NS	2.2 U	2 U
Dieldrin	ug/Kg	3.8 U	3.9 UJ	4 U	4.1 UJ	3.7 U	3.7 UJ	3.5 U	NS	4.2 U	3.8 U
4,4'-DDE	ug/Kg	3.8 U	3.9 UJ	4 U	4.1 UJ	3.7 U	3.7 UJ	3.5 U	NS	4.2 U	3.8 U
Endrin	ug/Kg	3.8 U	3.9 UJ	4 U	4.1 UJ	3.7 U	3.7 UJ	3.5 U	NS	4.2 U	3.8 U
Endosulfan II	ug/Kg	3.8 U	3.9 UJ	4 U	4.1 UJ	3.7 U	3.7 UJ	3.5 U	NS	4.2 U	3.8 U
4,4'-DDD	ug/Kg	3.8 U	3.9 UJ	4 U	4.1 UJ	3.7 U	3.7 UJ	3.5 U	NS	4.2 U	3.8 U
Endosulfan sulfate	ug/Kg	3.8 U	3.9 UJ	4 U	4.1 UJ	3.7 U	3.7 UJ	3.5 U	NS	4.2 U	3.8 U
4,4'-DDT	ug/Kg	3.8 U	3.9 UJ	4 U	4.1 UJ	3.7 U	3.7 UJ	3.5 U	NS	4.2 U	3.8 U
Methoxychlor	ug/Kg	20 U	20 UJ	21 U	21 UJ	19 U	19 UJ	18 U	NS	20 U	20 U
Endrin ketone	ug/Kg	3.8 U	3.9 UJ	4 U	4.1 UJ	3.7 U	3.7 UJ	3.5 U	NS	4.2 U	3.8 U
Endrin aldehyde	ug/Kg	3.8 U	3.9 UJ	4 U	4.1 UJ	3.7 U	3.7 UJ	3.5 U	NS	4.2 U	3.8 U
alpha-Chlordane	ug/Kg	2 U	2 UJ	2.1 U	2.1 UJ	1.9 U	1.9 UJ	1.8 U	NS	2.2 U	2 U
gamma-Chlordane	ug/Kg	2 U	2 UJ	2.1 U	2.1 UJ	1.9 U	1.9 UJ	1.8 U	NS	2.2 U	2 U
Toxaphene	ug/Kg	200 U	200 UJ	210 U	210 UJ	190 U	190 UJ	180 U	NS	220 U	200 U
Aroclor-1016	ug/Kg	38 U	39 UJ	40 U	41 UJ	37 U	37 UJ	35 U	NS	42 U	38 U
Aroclor-1221	ug/Kg	77 U	79 UJ	82 U	83 UJ	74 U	74 UJ	72 U	NS	85 U	77 U
Aroclor-1232	ug/Kg	38 U	39 UJ	40 U	41 UJ	37 U	37 UJ	35 U	NS	42 U	38 U
Aroclor-1242	ug/Kg	38 U	39 UJ	40 U	41 UJ	37 U	37 UJ	35 U	NS	42 U	38 U
Aroclor-1248	ug/Kg	38 U	39 UJ	40 U	41 UJ	37 U	37 UJ	35 U	NS	42 U	38 U
Aroclor-1254	ug/Kg	38 U	39 UJ	40 U	41 UJ	37 U	37 UJ	35 U	NS	42 U	38 U
Aroclor-1260	ug/Kg	38 U	39 UJ	40 U	41 UJ	37 U	37 UJ	35 U	NS	42 U	38 U
METALS											
Aluminum	mg/Kg	17600	NS	16500	NS	9620	NS	14200	NS	19300	15800
Antimony	mg/Kg	7.5 UJ	NS	8.5 UJ	NS	6.9 UJ	NS	6 UJ	NS	11.5 UJ	8.9 UJ
Arsenic	mg/Kg	5	NS	3.8	NS	4.4	NS	4.9	NS	4.5	3.7
Barium	mg/Kg	67.3	NS	111	NS	79.3	NS	54.3	NS	132	76.2
Beryllium	mg/Kg	0.78	NS	0.97	NS	0.45 J	NS	0.61	NS	0.97 J	0.72 J
Cadmium	mg/Kg	0.47 U	NS	0.53 U	NS	0.43 U	NS	0.38 U	NS	0.72 U	0.56 U
Calcium	mg/Kg	13300	NS	3070	NS	63300	NS	56900	NS	3430	42100
Chromium	mg/Kg	27.5	NS	22.5	NS	15.5	NS	23	NS	24.9	23.3
Cobalt	mg/Kg	13.3	NS	10.3	NS	9.6	NS	10.7	NS	11.6	11.2
Copper	mg/Kg	26.1	NS	24.5	NS	24.7	NS	17.1	NS	19	21.2
Iron	mg/Kg	32100	NS	27400	NS	19800	NS	26600	NS	25700	25300
Lead	mg/Kg	14.9 J	NS	80.3	NS	11.9 J	NS	4.7 J	NS	81.7 J	13.3 J
Magnesium	mg/Kg	8050	NS	4830	NS	16400	NS	11500	NS	4280	11100
Manganese	mg/Kg	509	NS	413	NS	388	NS	434	NS	837	581
Mercury	mg/Kg	0.03 J	NS	0.03 J	NS	0.03 UJ	NS	0.03 J R	NS	0.09 J R	0.05 J R
Nickel	mg/Kg	42.2	NS	28.9	NS	28.4	NS	34	NS	29.6	31
Potassium	mg/Kg	1230	NS	1170	NS	1350	NS	1760	NS	1750	1830
Selenium	mg/Kg	0.23 UJ	NS	0.22 UJ	NS	2 UJ	NS	0.28 J	NS	0.3 J	0.24 UJ
Silver	mg/Kg	0.95 U	NS	1.1 U	NS	0.88 U	NS	0.77 U	NS	1.5 U	1.1 U
Sodium	mg/Kg	74.9 J	NS	51.3 J	NS	135 J	NS	161 J	NS	64.6 J	113 J
Thallium	mg/Kg	0.25 UJ	NS	0.24 UJ	NS	0.22 UJ	NS	0.25 U	NS	0.22 U	0.26 U
Vanadium	mg/Kg	28	NS	28	NS	15.2	NS	20.1	NS	31.1	23.6
Zinc	mg/Kg	86	NS	223	NS	62.6	NS	48.9	NS	112	76.1
Cyanide	mg/Kg	NA	NS	NA	NS	NA	NS	0.53 U	NS	0.59 U	0.58 U
OTHER ANALYSES											
Nitrate/Nitrite - Nitrogen	mg/Kg	0.01	NS	0.01	NS	0.12	NS	0.14	NS	0.47	0.02
Total Solids	%W/W	85.2	NS	81.5	NS	90.1	NS	92.9	NS	79.2	86.5
Total Petroleum Hydrocarbons	mg/Kg	74	NS	33	NS	45	NS	106	NS	119	58
Fluoride	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
pH	standard units	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-24 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-24 8-10 12/02/93 SB24-3.5	SOIL SEAD-24 0-2 12/01/93 SB24-4.1	SOIL SEAD-24 6-8 12/01/93 SB24-4.4	SOIL SEAD-24 12-14 12/02/93 SB24-4.7	SOIL SEAD-24 12-14 12/02/93 SB24-4.7RE	SOIL SEAD-24 0-2 12/02/93 SB24-5.1	SOIL SEAD-24 4-6 12/02/93 SB24-5.3	SOIL SEAD-24 8-10 12/02/93 SB24-5.5
	LAB ID UNITS	206046	205953	205954	205955	205955	206047	206048	206049
VOLATILE ORGANICS									
Chloromethane	ug/Kg	11 U	12 U	12 U	11 UJ	11 UJ	12 U	11 U	11 U
Bromomethane	ug/Kg	11 U	12 U	12 U	11 UJ	11 UJ	12 U	11 U	11 U
Vinyl Chloride	ug/Kg	11 U	12 U	12 U	11 UJ	11 UJ	12 U	11 U	11 U
Chloroethane	ug/Kg	11 U	12 U	12 U	11 UJ	11 UJ	12 U	11 U	11 U
Methylene Chloride	ug/Kg	11 U	12 U	12 U	11 UJ	9 J	12 U	11 U	2 J
Acetone	ug/Kg	11 U	12 U	12 U	20 UJ	6 J	12 U	11 U	11 U
Carbon Disulfide	ug/Kg	11 U	12 U	12 U	11 UJ	11 UJ	12 U	11 U	11 U
1,1-Dichloroethene	ug/Kg	11 U	12 U	12 U	11 UJ	11 UJ	12 U	11 U	11 U
1,1-Dichloroethane	ug/Kg	11 U	12 U	12 U	11 UJ	11 UJ	12 U	11 U	11 U
1,2-Dichloroethene (total)	ug/Kg	11 U	12 U	12 U	11 UJ	11 UJ	12 U	11 U	11 U
Chloroform	ug/Kg	11 U	5 J	12 U	11 UJ	3 J	12 U	2 J	11 U
1,2-Dichloroethane	ug/Kg	11 U	12 U	12 U	11 UJ	11 UJ	12 U	11 U	11 U
2-Butanone	ug/Kg	11 U	12 U	12 U	11 UJ	11 UJ	12 U	11 U	11 U
1,1,1-Trichloroethane	ug/Kg	11 U	12 U	12 U	11 UJ	11 UJ	12 U	11 U	11 U
Carbon Tetrachloride	ug/Kg	11 U	12 U	12 U	11 UJ	11 UJ	12 U	11 U	11 U
Bromodichloromethane	ug/Kg	11 U	12 U	12 U	11 UJ	11 UJ	12 U	11 U	11 U
1,2-Dichloropropane	ug/Kg	11 U	12 U	12 U	11 UJ	11 UJ	12 U	11 U	11 U
cis-1,3-Dichloropropene	ug/Kg	11 U	12 U	12 U	11 UJ	11 UJ	12 U	11 U	11 U
Trichloroethene	ug/Kg	11 U	12 U	12 U	11 UJ	11 UJ	12 U	11 U	1 J
Dibromochloromethane	ug/Kg	11 U	12 U	12 U	11 UJ	11 UJ	12 U	11 U	11 U
1,1,2-Trichloroethane	ug/Kg	11 U	12 U	12 U	11 UJ	11 UJ	12 U	11 U	11 U
Benzene	ug/Kg	11 U	12 U	12 U	11 UJ	11 UJ	12 U	11 U	1 J
trans-1,3-Dichloropropene	ug/Kg	11 U	12 U	12 U	11 UJ	11 UJ	12 U	11 U	11 U
Bromoform	ug/Kg	11 U	12 U	12 U	11 UJ	11 UJ	12 U	11 U	11 U
4-Methyl-2-Pentanone	ug/Kg	11 U	12 U	12 U	11 UJ	11 UJ	12 U	11 U	11 U
2-Hexanone	ug/Kg	11 U	12 U	12 U	11 UJ	11 UJ	12 U	11 U	11 U
Tetrachloroethene	ug/Kg	11 U	12 U	12 U	11 UJ	11 UJ	12 U	11 U	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	11 U	12 U	12 U	11 UJ	11 UJ	12 U	11 U	11 U
Toluene	ug/Kg	11 U	12 U	12 U	11 UJ	11 UJ	12 U	11 U	2 J
Chlorobenzene	ug/Kg	11 U	12 U	12 U	11 UJ	11 UJ	12 U	11 U	1 J
Ethylbenzene	ug/Kg	11 U	12 U	12 U	11 UJ	11 UJ	12 U	11 U	11 U
Styrene	ug/Kg	11 U	12 U	12 U	11 UJ	11 UJ	12 U	11 U	11 U
Xylene (total)	ug/Kg	11 U	12 U	12 U	11 UJ	11 UJ	12 U	11 U	11 U
MTBE	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES									
2,4-D	ug/Kg	54 U	59 U	56 U	54 U	NS	63 U	54 U	57 U
2,4-DB	ug/Kg	54 U	59 U	56 U	54 U	NS	63 U	54 U	57 U
2,4,5-T	ug/Kg	5.4 U	5.9 U	5.6 U	5.4 U	NS	6.3 U	5.4 U	5.7 U
2,4,5-TP (Silvex)	ug/Kg	5.4 U	5.9 U	5.6 U	5.4 U	NS	6.3 U	5.4 U	5.7 U
Dalapon	ug/Kg	130 U	150 U	140 U	130 U	NS	150 U	130 U	140 U
Dicamba	ug/Kg	5.4 U	5.9 U	5.6 U	5.4 U	NS	6.3 U	5.4 U	5.7 U
Dichloroprop	ug/Kg	54 U	59 U	56 U	54 U	NS	63 U	54 U	57 U
Dinoseb	ug/Kg	27 U	30 U	28 U	27 U	NS	32 U	27 U	29 U
MCPA	ug/Kg	5400 U	5900 U	5600 U	5400 U	NS	6300 U	5400 U	5700 U
MCPP	ug/Kg	5400 U	5900 U	5600 U	5400 U	NS	6300 U	5400 U	5700 U
NITROAROMATICS									
HMX	ug/Kg	130 U	130 U	130 U	130 U	NS	130 U	130 U	130 U
RDX	ug/Kg	130 U	130 U	130 U	130 U	NS	130 U	130 U	130 U
1,3,5-Trinitrobenzene	ug/Kg	130 U	130 U	130 U	130 U	NS	130 U	130 U	130 U
1,3-Dinitrobenzene	ug/Kg	130 U	130 U	130 U	130 U	NS	130 U	130 U	130 U
Tetryl	ug/Kg	1600 U	110 J	130 U	130 U	NS	730 U	960 U	1700 U
2,4,6-Trinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	NS	130 U	130 U	130 U
4-amino-2,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	NS	130 U	130 U	130 U
2-amino-4,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	NS	130 U	130 U	130 U
2,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	NS	130 U	130 U	130 U
2,4-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	NS	130 U	130 U	130 U

SENECA ARMY DEPOT
SEAD-24 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-24 8-10 12/02/93 SB24-3.5	SOIL SEAD-24 0-2 12/01/93 SB24-4.1	SOIL SEAD-24 6-8 12/01/93 SB24-4.4	SOIL SEAD-24 12-14 12/02/93 SB24-4.7	SOIL SEAD-24 12-14 12/02/93 SB24-4.7RE	SOIL SEAD-24 0-2 12/02/93 SB24-5.1	SOIL SEAD-24 4-6 12/02/93 SB24-5.3	SOIL SEAD-24 8-10 12/02/93 SB24-5.5
COMPOUND	ES ID	ES ID	ES ID	ES ID	ES ID	ES ID	ES ID	ES ID
LAB ID	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
SEMIVOLATILE ORGANICS								
Phenol	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
bis(2-Chloroethyl) ether	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
2-Chlorophenol	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
1,3-Dichlorobenzene	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
1,4-Dichlorobenzene	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
1,2-Dichlorobenzene	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
2-Methylphenol	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
4-Methylphenol	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
N-Nitroso-di-n-propylamine	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
Hexachloroethane	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
Nitrobenzene	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
Isophorone	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
2-Nitrophenol	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
2,4-Dimethylphenol	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
bis(2-Chloroethoxy) methane	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
2,4-Dichlorophenol	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
1,2,4-Trichlorobenzene	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
Naphthalene	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
4-Chloroaniline	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
Hexachlorobutadiene	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
4-Chloro-3-methylphenol	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
2-Methylnaphthalene	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
Hexachlorocyclopentadiene	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
2,4,6-Trichlorophenol	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
2,4,5-Trichlorophenol	ug/Kg	860 U	960 U	910 U	860 U	NS	1000 U	860 U
2-Chloronaphthalene	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
2-Nitroaniline	ug/Kg	860 U	960 U	910 U	860 U	NS	1000 U	860 U
Dimethylphthalate	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
Acenaphthylene	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
2,6-Dinitrotoluene	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
3-Nitroaniline	ug/Kg	860 U	960 U	910 U	860 U	NS	1000 U	860 U
Acenaphthene	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
2,4-Dinitrophenol	ug/Kg	860 U	960 U	910 U	860 U	NS	1000 U	860 U
4-Nitrophenol	ug/Kg	860 U	960 U	910 U	860 U	NS	1000 U	860 U
Dibenzofuran	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
2,4-Dinitrotoluene	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
Diethylphthalate	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
4-Chlorophenyl-phenylether	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
Fluorene	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
4-Nitroaniline	ug/Kg	860 U	960 U	910 U	860 U	NS	1000 U	860 U
4,6-Dinitro-2-methylphenol	ug/Kg	860 U	960 U	910 U	860 U	NS	1000 U	860 U
N-Nitrosodiphenylamine	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
4-Bromophenyl-phenylether	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
Hexachlorobenzene	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
Pentachlorophenol	ug/Kg	860 U	960 U	910 U	860 U	NS	1000 U	860 U
Phenanthrene	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
Anthracene	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
Carbazole	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
Di-n-butylphthalate	ug/Kg	22 J	400 U	380 U	360 U	NS	67 J	350 U
Fluoranthene	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
Pyrene	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
Butylbenzylphthalate	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
3,3'-Dichlorobenzidine	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
Benzo(a)anthracene	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
Chrysene	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
bis(2-Ethylhexyl)phthalate	ug/Kg	56 J	400 U	86 J	69 J	NS	53 J	350 U
Di-n-octylphthalate	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
Benzo(b)fluoranthene	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
Benzo(k)fluoranthene	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
Benzo(a)pyrene	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
Indeno(1,2,3-cd)pyrene	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
Dibenz(a,h)anthracene	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U
Benzo(g,h,i)perylene	ug/Kg	350 U	400 U	380 U	360 U	NS	410 U	350 U

SENECA ARMY DEPOT
SEAD-24 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID	SOIL SEAD-24 8-10 12/02/93 SB24-3.5 206046	SOIL SEAD-24 0-2 12/01/93 SB24-4.1 205953	SOIL SEAD-24 6-8 12/01/93 SB24-4.4 205954	SOIL SEAD-24 12-14 12/02/93 SB24-4.7 205955	SOIL SEAD-24 12-14 12/02/93 SB24-4.7RE 205955	SOIL SEAD-24 0-2 12/02/93 SB24-5.1 206047	SOIL SEAD-24 4-6 12/02/93 SB24-5.3 206048	SOIL SEAD-24 8-10 12/02/93 SB24-5.5 206049	
COMPOUND									
PESTICIDES/PCB									
alpha-BHC ug/Kg	1.8 U	2 U	1.9 U	1.8 U	NS	2.1 U	1.8 U	1.9 U	
beta-BHC ug/Kg	1.8 U	2 U	1.9 U	1.8 U	NS	2.1 U	1.8 U	1.9 U	
delta-BHC ug/Kg	1.8 U	2 U	1.9 U	1.8 U	NS	2.1 U	1.8 U	1.9 U	
gamma-BHC (Lindane) ug/Kg	1.8 U	2 U	1.9 U	1.8 U	NS	2.1 U	1.8 U	1.9 U	
Heptachlor ug/Kg	1.8 U	2 U	1.9 U	1.8 U	NS	2.1 U	1.8 U	1.9 U	
Aldrin ug/Kg	1.8 U	2 U	1.9 U	1.8 U	NS	2.1 U	1.8 U	1.9 U	
Heptachlor epoxide ug/Kg	1.8 U	2 U	1.9 U	1.8 U	NS	2.1 U	1.8 U	1.9 U	
Endosulfan I ug/Kg	1.8 U	2 U	1.9 U	1.8 U	NS	2.1 U	1.8 U	1.9 U	
Dieldrin ug/Kg	3.5 U	4 U	3.7 U	3.6 U	NS	4.1 U	3.5 U	3.7 U	
4,4'-DDE ug/Kg	3.5 U	4 U	3.7 U	3.6 U	NS	4.1 U	3.5 U	3.7 U	
Endrin ug/Kg	3.5 U	4 U	3.7 U	3.6 U	NS	4.1 U	3.5 U	3.7 U	
Endosulfan II ug/Kg	3.5 U	4 U	3.7 U	3.6 U	NS	4.1 U	3.5 U	3.7 U	
4,4'-DDD ug/Kg	3.5 U	4 U	3.7 U	3.6 U	NS	4.1 U	3.5 U	3.7 U	
Endosulfan sulfate ug/Kg	3.5 U	4 U	3.7 U	3.6 U	NS	4.1 U	3.5 U	3.7 U	
4,4'-DDT ug/Kg	3.5 U	4 U	3.7 U	3.6 U	NS	4.1 U	3.5 U	3.7 U	
Methoxychlor ug/Kg	18 U	20 U	19 U	18 U	NS	21 U	18 U	19 U	
Endrin ketone ug/Kg	3.5 U	4 U	3.7 U	3.6 U	NS	4.1 U	3.5 U	3.7 U	
Endrin aldehyde ug/Kg	3.5 U	4 U	3.7 U	3.6 U	NS	4.1 U	3.5 U	3.7 U	
alpha-Chlordane ug/Kg	1.8 U	2 U	1.9 U	1.8 U	NS	2.1 U	1.8 U	1.9 U	
gamma-Chlordane ug/Kg	1.8 U	2 U	1.9 U	1.8 U	NS	2.1 U	1.8 U	1.9 U	
Toxaphene ug/Kg	180 U	200 U	190 U	180 U	NS	210 U	180 U	190 U	
Aroclor-1016 ug/Kg	35 U	40 U	37 U	36 U	NS	41 U	35 U	37 U	
Aroclor-1221 ug/Kg	72 U	81 U	76 U	72 U	NS	84 U	72 U	76 U	
Aroclor-1232 ug/Kg	35 U	40 U	37 U	36 U	NS	41 U	35 U	37 U	
Aroclor-1242 ug/Kg	35 U	40 U	37 U	36 U	NS	41 U	35 U	37 U	
Aroclor-1248 ug/Kg	35 U	40 U	37 U	36 U	NS	41 U	35 U	37 U	
Aroclor-1254 ug/Kg	35 U	40 U	37 U	36 U	NS	41 U	35 U	37 U	
Aroclor-1260 ug/Kg	35 U	40 U	37 U	36 U	NS	41 U	35 U	37 U	
METALS									
Aluminum mg/Kg	5820	20700	7470	11300	NS	16200	10100	13700	
Antimony mg/Kg	10 UJ	7.2 UJ	8.3 UJ	6.5 UJ	NS	12.5 UJ	5.8 UJ	11.3 UJ	
Arsenic mg/Kg	2.5	4.2	2.5	2.7	NS	4.2	3.3	5	
Barium mg/Kg	40.5	115	73.8	47	NS	117	58.3	67.2	
Beryllium mg/Kg	0.34 J	1.1	0.37 J	0.53 J	NS	0.98 J	0.48 J	0.62 J	
Cadmium mg/Kg	0.63 U	0.45 U	0.52 U	0.41 U	NS	0.78 U	0.36 U	0.7 U	
Calcium mg/Kg	106000	3660	81400	30500	NS	4540	74200	49000	
Chromium mg/Kg	10.8	31	15.6	18.8	NS	24.5	16.9	23.1	
Cobalt mg/Kg	6.7 J	20.5	5.7 J	10.3	NS	16	8.2	12	
Copper mg/Kg	14.6	25.3	18.1	12.5	NS	28.4	20.9	22.2	
Iron mg/Kg	14100	37700	14800	22600	NS	33600	21300	26700	
Lead mg/Kg	33.8 J	31.4 J	7.6 J	3.6 J	NS	45.5 J	8.7 J	7.9 J	
Magnesium mg/Kg	36700	6270	16800	7670	NS	5150	12100	11400	
Manganese mg/Kg	349	802	409	400	NS	1080	400	450	
Mercury mg/Kg	0.03 J R	0.07 J R	0.06 J R	0.05 J R	NS	0.07 J R	0.06 J R	0.04 J R	
Nickel mg/Kg	23.9	43.6	19.3	26.8	NS	37.3	26.4	35.2	
Potassium mg/Kg	1040	1520	1390	1140	NS	1170 J	993	1660	
Selenium mg/Kg	0.15 UJ	0.24 UJ	0.15 UJ	0.12 UJ	NS	0.15 UJ	0.23 UJ	0.22 UJ	
Silver mg/Kg	1.3 U	0.91 U	1 U	0.83 U	NS	1.6 U	0.73 U	1.4 U	
Sodium mg/Kg	133 J	58.3 J	138 J	131 J	NS	50.9 J	153 J	139 J	
Thallium mg/Kg	0.16 U	0.27 U	0.85 U	0.14 J	NS	0.16 U	0.25 U	0.24 U	
Vanadium mg/Kg	10.7	32.6	13.4	14.6	NS	29.9	14.4	19.5	
Zinc mg/Kg	39.6	209	58.7	30	NS	85.7	62.8	63.2	
Cyanide mg/Kg	0.51 U	0.52 U	0.52 U	0.48 U	NS	0.6 U	0.51 U	0.57 U	
OTHER ANALYSES									
Nitrate/Nitrite - Nitrogen mg/Kg	0.2	0.29	0.07	0.13	NS	0.27	0.15	0.33	
Total Solids %W/W	93.2	83.5	88.2	92.1	NS	80.5	92.7	87.7	
Total Petroleum Hydrocarbons mg/Kg	81	89	116	99	NS	89	52	94	
Fluoride mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	
pH standard units	NS	NS	NS	NS	NS	NS	NS	NS	

SENECA ARMY DEPOT
SEAD-24 EXPANDED SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER
	LOCATION	SEAD-24	SEAD-24	SEAD-24	SEAD-24
	SAMPLE DATE	01/23/94	01/23/94	11/16/93	11/15/93
	ES ID	MW24-1	MW24-1RE	MW24-2	MW24-3
	LAB ID	209254	209254	204657	204632
	UNITS				
PESTICIDES/PCB					
alpha-BHC	ug/L	0.055 U	NS	0.053 U	0.055 UJ
beta-BHC	ug/L	0.055 U	NS	0.053 U	0.055 UJ
delta-BHC	ug/L	0.055 U	NS	0.053 U	0.055 UJ
gamma-BHC (Lindane)	ug/L	0.055 U	NS	0.053 U	0.055 UJ
Heptachlor	ug/L	0.055 U	NS	0.053 U	0.055 UJ
Aldrin	ug/L	0.055 U	NS	0.053 U	0.055 UJ
Heptachlor epoxide	ug/L	0.055 U	NS	0.053 U	0.055 UJ
Endosulfan I	ug/L	0.055 U	NS	0.053 U	0.055 UJ
Dieldrin	ug/L	0.11 U	NS	0.11 U	0.11 UJ
4,4'-DDE	ug/L	0.11 U	NS	0.11 U	0.11 UJ
Endrin	ug/L	0.11 U	NS	0.11 U	0.11 UJ
Endosulfan II	ug/L	0.11 U	NS	0.11 U	0.11 UJ
4,4'-DDD	ug/L	0.11 U	NS	0.11 U	0.11 UJ
Endosulfan sulfate	ug/L	0.11 U	NS	0.11 U	0.11 UJ
4,4'-DDT	ug/L	0.11 U	NS	0.11 U	0.11 UJ
Methoxychlor	ug/L	0.55 U	NS	0.53 U	0.55 UJ
Endrin ketone	ug/L	0.11 U	NS	0.11 U	0.11 UJ
Endrin aldehyde	ug/L	0.11 U	NS	0.11 U	0.11 UJ
alpha-Chlordane	ug/L	0.055 U	NS	0.053 U	0.055 UJ
gamma-Chlordane	ug/L	0.055 U	NS	0.053 U	0.055 UJ
Toxaphene	ug/L	5.5 U	NS	5.3 U	5.5 UJ
Aroclor-1016	ug/L	1.1 U	NS	1.1 U	1.1 UJ
Aroclor-1221	ug/L	2.2 U	NS	2.1 U	2.2 UJ
Aroclor-1232	ug/L	1.1 U	NS	1.1 U	1.1 UJ
Aroclor-1242	ug/L	1.1 U	NS	1.1 U	1.1 UJ
Aroclor-1248	ug/L	1.1 U	NS	1.1 U	1.1 UJ
Aroclor-1254	ug/L	1.1 U	NS	1.1 U	1.1 UJ
Aroclor-1260	ug/L	1.1 U	NS	1.1 U	1.1 UJ
METALS					
Aluminum	ug/L	19100	NS	9650	18700
Antimony	ug/L	21.5 U	NS	52.4 U	52.3 U
Arsenic	ug/L	10	NS	5.5 J	6.7 J
Barium	ug/L	156 J	NS	82.1 J	177 J
Beryllium	ug/L	0.89 J	NS	0.62 J	0.86 J
Cadmium	ug/L	2.1 U	NS	3.3 U	3.3 U
Calcium	ug/L	180000	NS	176000	133000
Chromium	ug/L	29.8	NS	18.1	32.6
Cobalt	ug/L	18.7 J	NS	14.5 J	11.8 J
Copper	ug/L	32.5 R	NS	8.2 J	16.4 J
Iron	ug/L	32000	NS	19800	29800
Lead	ug/L	7	NS	3.1	3.9
Magnesium	ug/L	39800	NS	47700	43300
Manganese	ug/L	712	NS	787	528
Mercury	ug/L	0.06 J R	NS	0.07 UJ	0.07 UJ
Nickel	ug/L	41.4	NS	27.8 J	37.4 J
Potassium	ug/L	7220	NS	6610	7550
Selenium	ug/L	2.5 J	NS	1 J	0.8 U
Silver	ug/L	4.2 U	NS	6.7 U	6.6 U
Sodium	ug/L	5950 R	NS	6950 R	9510 R
Thallium	ug/L	1.2 U	NS	1.8 U	1.8 U
Vanadium	ug/L	30.9 J	NS	16.3 J	30.6 J
Zinc	ug/L	107	NS	31.8 R	53 R
Cyanide	ug/L	5 U	NS	5 U	5 U
OTHER ANALYSES					
Nitrate/Nitrite-Nitrogen	mg/L	0.11	NS	0.07	0.01
Total Petroleum Hydrocarbons	mg/L	0.4 U	NS	0.4 U	0.43 U
Fluoride	mg/L	NS	NS	NS	NS
pH	standard units	7.26	NS	7.45	6.95
Specific Conductivity	umhos/cm	435	NS	700	560
Turbidity	NTU	150	NS	NA(Cloudy)	NA(Cloudy)

SENECA ARMY DEPOT
SEAD-25 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMP LE DATE ES ID LAB ID UNITS	SOIL SEAD-25 0-2 12/03/93 SB25-1.1 206050	SOIL SEAD-25 4-6 12/03/93 SB25-1.3 206051	SOIL SEAD-25 6-8 12/03/93 SB25-1.4 206052	SOIL SEAD-25 0-2 12/03/93 SB25-2.1 206053	SOIL SEAD-25 0-2 12/03/93 SB25-2.4 206057 SB25-2.1DUP	SOIL SEAD-25 2-4 12/03/93 SB25-2.2 206055	SOIL SEAD-25 4-6 12/03/93 SB25-2.3 206056	SOIL SEAD-25 0-2 12/03/93 SB25-3.1 206058	SOIL SEAD-25 2-4 12/03/93 SB25-3.2 206059	SOIL SEAD-25 4-5 12/03/93 SB25-3.3 206061	
VOLATILE ORGANICS												
Chloromethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U
Bromomethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U
Vinyl Chloride	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U
Chloroethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U
Methylene Chloride	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U
Acetone	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	39 U	24	52 U	40	11 U
Carbon Disulfide	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U
1,1-Dichloroethene	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U
1,1-Dichloroethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U
1,2-Dichloroethene (total)	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U
Chloroform	ug/Kg	11 U	11 U	11 U	2 J	11 U	11 U	19 U	11 U	52 U	12 U	11 U
1,2-Dichloroethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U
2-Butanone	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	10 J	11 U	52 U	8 J	11 U
1,1,1-Trichloroethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	19 U	11 U	170	12 U	11 U
Carbon Tetrachloride	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U
Bromodichloromethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U
1,2-Dichloropropane	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U
cis-1,3-Dichloropropene	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U
Trichloroethene	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	19 U	11 U	38 J	12 U	11 U
Dibromochloromethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U
1,1,2-Trichloroethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U
Benzene	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	19 U	11 U	100	12 U	4 J
trans-1,3-Dichloropropene	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U
Bromoform	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U
4-Methyl-2-Pentanone	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U
2-Hexanone	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U
Tetrachloroethene	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U
Toluene	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	19 U	11 U	840	4 J	30
Chlorobenzene	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	19 U	11 U	370	12 U	11 U
Ethylbenzene	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	19 U	6 J	52 U	12 U	28
Styrene	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U
Xylene (total)	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	19 U	37	4100 J	49	320
MTBE	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U
HERBICIDES												
2,4-D	ug/Kg	54 U	55 U	55 U	54 U	55 U	54 U	55 U	55 U	53 U	60 U	59 U
2,4-DB	ug/Kg	54 U	55 U	55 U	54 U	55 U	54 U	55 U	55 U	53 U	60 U	59 U
2,4,5-T	ug/Kg	5.4 U	5.5 U	5.5 U	5.4 U	5.5 U	5.4 U	5.5 U	5.5 U	5.3 U	6 U	5.9 U
2,4,5-TP (Silvex)	ug/Kg	5.4 U	5.5 U	5.5 U	5.4 U	5.5 U	5.4 U	5.5 U	5.5 U	5.3 U	6 U	5.9 U
Dalapon	ug/Kg	130 U	140 U	130 U	130 U	140 U	130 U	140 U	140 U	130 U	150 U	150 U
Dicamba	ug/Kg	5.4 U	5.5 U	5.5 U	5.4 U	5.5 U	5.4 U	5.5 U	5.5 U	5.3 U	6 U	5.9 U
Dichloroprop	ug/Kg	54 U	55 U	55 U	54 U	55 U	54 U	55 U	55 U	53 U	60 U	59 U
Dinoseb	ug/Kg	27 U	28 U	28 U	27 U	28 U	27 U	28 U	28 U	27 U	30 U	30 U
MCPA	ug/Kg	5400 U	5500 U	5500 U	5400 U	5500 U	5400 U	5500 U	5500 U	5300 U	6000 U	5900 U
MCPP	ug/Kg	5700 U	5400 U	5500 U	5400 U	5500 U	5400 U	5500 U	5500 U	5300 U	6000 U	5900 U
NITROAROMATICS												
HMX	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
RDX	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trinitrobenzene	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dinitrobenzene	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetryl	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,6-Trinitrotoluene	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-amino-2,6-Dinitrotoluene	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-amino-4,6-Dinitrotoluene	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,6-Dinitrotoluene	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dinitrotoluene	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

NOTES:
NS stands for NOT SAMPLED
NA stands for NOT ANALYZED

SENECA ARMY DEPOT
SEAD-25 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-25 0-2 12/03/93 SB25-1.1 206050	SOIL SEAD-25 4-6 12/03/93 SB25-1.3 206051	SOIL SEAD-25 6-8 12/03/93 SB25-1.4 206052	SOIL SEAD-25 0-2 12/03/93 SB25-2.1 206053	SOIL SEAD-25 0-2 12/03/93 SB25-2.4 206057 SB25-2.1DUP	SOIL SEAD-25 2-4 12/03/93 SB25-2.2 206055	SOIL SEAD-25 4-6 12/03/93 SB25-2.3 206056	SOIL SEAD-25 0-2 12/03/93 SB25-3.1 206058	SOIL SEAD-25 2-4 12/03/93 SB25-3.2 206059	SOIL SEAD-25 4-5 12/03/93 SB25-3.3 206061
PESTICIDES/PCB											
alpha-BHC	ug/Kg	1.8 UJ	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U	2 U	2 U
beta-BHC	ug/Kg	1.8 UJ	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U	2 U	2 U
delta-BHC	ug/Kg	1.8 UJ	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U	2 U	2 U
gamma-BHC (Undane)	ug/Kg	1.8 UJ	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U	2 U	2 U
Heptachlor	ug/Kg	1.8 UJ	1.8 U	1.8 U	1.6 U	1.8 U	1.8 U	1.9 U	1.8 U	2 U	2 U
Aldrin	ug/Kg	1.8 UJ	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U	2 U	2 U
Heptachlor epoxide	ug/Kg	1.8 UJ	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U	2 U	2 U
Endosulfan I	ug/Kg	1.8 UJ	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U	2.8 J	2 U	2 U
Dieldrin	ug/Kg	3.6 UJ	3.6 U	3.6 U	3.5 U	3.6 U	3.6 U	3.6 U	2.5 J	2 U	2 U
4,4'-DDE	ug/Kg	3.6 UJ	3.6 U	3.6 U	3.5 U	3.6 U	3.6 U	3.6 U	3.5 U	4 U	3.9 U
Endrin	ug/Kg	3.6 UJ	3.6 U	3.6 U	3.5 U	3.6 U	3.6 U	3.6 U	4.3	3.9 U	3.9 U
Endosulfan II	ug/Kg	3.6 UJ	3.6 U	3.6 U	3.5 U	3.6 U	3.6 U	3.6 U	3.4 J	4 U	3.9 U
4,4'-DDD	ug/Kg	3.6 UJ	3.6 U	3.6 U	3.5 U	3.6 U	3.6 U	3.6 U	3.5 U	3.9 U	3.9 U
Endosulfan sulfate	ug/Kg	3.6 UJ	3.6 U	3.6 U	3.5 U	3.6 U	3.6 U	3.6 U	3.5 U	4 U	3.9 U
4,4'-DDT	ug/Kg	3.6 UJ	3.6 U	3.6 U	3.5 U	3.6 U	3.6 U	3.6 U	3.4 J	4 U	3.9 U
Methoxychlor	ug/Kg	18 UJ	18 U	18 U	18 U	18 U	18 U	19 U	18 U	20 U	20 U
Endrin ketone	ug/Kg	3.6 UJ	3.6 U	3.6 U	3.5 U	3.6 U	3.6 U	3.6 U	3.5 U	4 U	3.9 U
Endrin aldehyde	ug/Kg	3.6 UJ	3.6 U	3.6 U	3.5 U	3.6 U	3.6 U	3.6 U	3.7 J	4 U	3.9 U
alpha-Chlordane	ug/Kg	1.8 UJ	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U	2 U	2 U
gamma-Chlordane	ug/Kg	1.8 UJ	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U	2 U	2 U
Toxaphene	ug/Kg	180 UJ	180 U	180 U	180 U	180 U	180 U	190 U	180 U	200 U	200 U
Aroclor-1016	ug/Kg	36 UJ	36 U	36 U	35 U	36 U	36 U	36 U	35 U	40 U	39 U
Aroclor-1221	ug/Kg	73 UJ	73 U	73 U	72 U	73 U	73 U	74 U	70 U	80 U	80 U
Aroclor-1232	ug/Kg	36 UJ	36 U	36 U	35 U	36 U	36 U	36 U	35 U	40 U	39 U
Aroclor-1242	ug/Kg	36 UJ	36 U	36 U	35 U	36 U	36 U	36 U	35 U	40 U	39 U
Aroclor-1248	ug/Kg	36 UJ	36 U	36 U	35 U	36 U	36 U	36 U	35 U	40 U	39 U
Aroclor-1254	ug/Kg	36 UJ	36 U	36 U	35 U	36 U	36 U	36 U	35 U	40 U	39 U
Aroclor-1260	ug/Kg	36 UJ	36 U	36 U	35 U	36 U	36 U	36 U	35 U	40 U	39 U
METALS											
Aluminum	mg/Kg	9720	10800	8730	9370	7330	9140	8640	6160	18600	6310
Antimony	mg/Kg	9.9 UJ	9.1 UJ	7.1 UJ	7.6 UJ	8.7 UJ	7.6 UJ	6.6 UJ	9.2 UJ	12 UJ	4.1 U
Arsenic	mg/Kg	4.7	3.8	4.7	4.1	5.4	3.5	3.4	2.4	5	8.3
Barium	mg/Kg	25 J	62.4	55.5	36.7	32.7 J	57.1	80.3	82.3	111	64.7
Beryllium	mg/Kg	0.45 J	0.52 J	0.38 J	0.49 J	0.48 J	0.43 J	0.38 J	0.42 J	0.65 J	0.28 J
Cadmium	mg/Kg	0.62 U	0.57 U	0.44 U	0.48 U	0.64 J	0.47 U	0.73	0.58 U	0.75 U	0.4 U
Calcium	mg/Kg	53800	87300	59100	112000	192000	70800	81800	195000	2760	141000
Chromium	mg/Kg	16	17.6	14.6	15.4	11.5	14.5	15.8	11.9	25.2	12
Cobalt	mg/Kg	9.7	9.8	8.7	10.5	9.8	8.2	7.2	6.3 J	15.8	6.8 J
Copper	mg/Kg	17	15.6	15.6	14.7	14.4	21.6	23.3	16.3	7.6	14.2 J
Iron	mg/Kg	20400	22100	21100	19100	14400	18700	16800	11900	54600	15400
Lead	mg/Kg	21.7 J	7.1 J	11.5 J	26.8 J	42.6 J	13.7 J	14.2 J	29.1 J	15.8 J	51
Magnesium	mg/Kg	6350	19600	12300	8590	12300	12800	21000	11300	3980	10000
Manganese	mg/Kg	394	469	435	450	444	464	407	384	622	529 J
Mercury	mg/Kg	0.06 J R	0.05 J R	0.07 J R	0.06 J R	0.03 J R	0.03 J R	0.05 J R	0.03 J R	0.08 J R	0.03 U
Nickel	mg/Kg	27.1	27.1	23.8	46.4	23	35.3	23.7	17.5	21.7	16.6
Potassium	mg/Kg	844 J	1230	877	916	1370	979	1230	1420	1730	769 J
Selenium	mg/Kg	0.24 UJ	0.23 UJ	0.19 UJ	0.17 UJ	0.21 UJ	0.12 UJ	0.18 UJ	0.15 UJ	0.2 UJ	2.3 J
Silver	mg/Kg	1.3 U	1.2 U	0.9 U	0.97 U	1.1 U	0.96 U	0.84 U	1.2 U	1.5 U	0.8 U
Sodium	mg/Kg	108 J	158 J	128 J	128 J	181 J	157 J	180 J	55 J	180 J	130 J
Thallium	mg/Kg	0.28 U	0.25 U	0.2 U	0.18 U	1.2 U	0.13 U	0.2 U	0.81 U	0.21 U	0.5 J
Vanadium	mg/Kg	12.2	16	13.2	12.4	11.5	14.8	10.1	10.1	39.8	11
Zinc	mg/Kg	44.4	47.7	57.9	35.4	97.9	56.7	94.8	74.7	43.7	78.4 J
Cyanide	mg/Kg	0.49 U	0.52 U	0.47 U	0.51 U	0.5 U	0.48 U	0.49 U	0.48 U	0.68 U	0.71 U
OTHER ANALYSES											
Nitrate/Nitrite - Nitrogen	mg/Kg	0.2	0.01	0.05	0.02	0.09	0.01	0.02	0.04	0.01 U	0.04
Total Solids	%W/W	91.6	91.8	92.4	92.5	92.2	92.2	91	94.7	83.3	83.6
Total Petroleum Hydrocarbons	mg/Kg	1240	68	98	1600	1270	3000	1920	14800	112	410
Fluoride	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
pH	standard units	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-25 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-25 0-2 12/03/93 SB25-4.1 206062	SOIL SEAD-25 2-4 12/03/93 SB25-4.2 206063	SOIL SEAD-25 4-6 12/03/93 SB25-4.3 206064	SOIL SEAD-25 0-2 12/03/93 SB25-5.1 206065	SOIL SEAD-25 2-4 12/03/93 SB25-5.2 206066	SOIL SEAD-25 4-6 12/03/93 SB25-5.3 206067	SOIL SEAD-25 0-2 12/03/93 SB25-6.1 206068	SOIL SEAD-25 2-4 12/03/93 SB25-6.2 206069	
VOLATILE ORGANICS									
Chloromethane	ug/Kg 1400 U	11 U	11 U	1300 U	6800 U	1200 U	11 U	11 U	
Bromomethane	ug/Kg 1400 U	11 U	11 U	1300 U	6800 U	1200 U	11 U	11 U	
Vinyl Chloride	ug/Kg 1400 U	11 U	11 U	1300 U	6800 U	1200 U	11 U	11 U	
Chloroethane	ug/Kg 1400 U	11 U	11 U	1300 U	6800 U	1200 U	11 U	11 U	
Methylene Chloride	ug/Kg 1400 U	11 U	11 U	390 J	6800 U	160 J	11 U	11 U	
Acetone	ug/Kg 1800	38	19	2800	6800 U	760 J	11 U	7 J	
Carbon Disulfide	ug/Kg 1400 U	11 U	11 U	1300 U	6800 U	1200 U	11 U	11 U	
1,1-Dichloroethene	ug/Kg 1400 U	11 U	11 U	1300 U	6800 U	1200 U	11 U	11 U	
1,1-Dichloroethane	ug/Kg 1400 U	11 U	11 U	1300 U	6800 U	1200 U	11 U	11 U	
1,2-Dichloroethene (total)	ug/Kg 1400 U	11 U	11 U	310 J	6800 U	1200 U	11 U	11 U	
Chloroform	ug/Kg 1400 U	9 J	11 U	1300 U	6800 U	1200 U	11 U	11 U	
1,2-Dichloroethane	ug/Kg 1400 U	11 U	11 U	1300 U	6800 U	1200 U	11 U	11 U	
2-Butanone	ug/Kg 1400 U	6 J	11 U	1300 U	6800 U	1200 U	11 U	11 U	
1,1,1-Trichloroethane	ug/Kg 1400 U	11 U	11 U	1300 U	6800 U	1200 U	11 U	11 U	
Carbon Tetrachloride	ug/Kg 1400 U	11 U	11 U	1300 U	6800 U	1200 U	11 U	11 U	
Bromodichloromethane	ug/Kg 1400 U	11 U	11 U	1300 U	6800 U	1200 U	11 U	11 U	
1,2-Dichloropropane	ug/Kg 1400 U	11 U	11 U	1300 U	6800 U	1200 U	11 U	11 U	
cis-1,3-Dichloropropene	ug/Kg 1400 U	11 U	11 U	1300 U	6800 U	1200 U	11 U	11 U	
Trichloroethene	ug/Kg 1400 U	11 U	11 U	280 J	6800 U	1200 U	11 U	11 U	
Dibromochloromethane	ug/Kg 1400 U	11 U	11 U	1300 U	6800 U	1200 U	11 U	11 U	
1,1,2-Trichloroethane	ug/Kg 1400 U	11 U	11 U	1300 U	6800 U	1200 U	11 U	11 U	
Benzene	ug/Kg 1400 U	11 U	11 U	1300 U	6800 U	1200 U	11 U	11 U	
trans-1,3-Dichloropropene	ug/Kg 1400 U	11 U	11 U	1300 U	6800 U	1200 U	11 U	11 U	
Bromoform	ug/Kg 1400 U	11 U	11 U	1300 U	6800 U	1200 U	11 U	11 U	
4-Methyl-2-Pentanone	ug/Kg 1400 U	11 U	11 U	1300 U	6800 U	1200 U	11 U	11 U	
2-Hexanone	ug/Kg 1400 U	11 U	11 U	1300 U	6800 U	1200 U	11 U	11 U	
Tetrachloroethene	ug/Kg 1400 U	11 U	11 U	1300 U	6800 U	1200 U	11 U	11 U	
1,1,2,2-Tetrachloroethane	ug/Kg 1400 U	11 U	11 U	1300 U	6800 U	1200 U	11 U	11 U	
Toluene	ug/Kg 1400 U	11 U	11 U	820 J	4500 J	1200 U	11 U	11 U	
Chlorobenzene	ug/Kg 1400 U	11 U	11 U	1300 U	6800 U	1200 U	11 U	11 U	
Ethylbenzene	ug/Kg 1400 U	11 U	11 U	990 J	17000	1200	11 U	11 U	
Styrene	ug/Kg 1400 U	11 U	11 U	1300 U	6800 U	1200 U	11 U	11 U	
Xylene (total)	ug/Kg 2900	50	110	14000	130000	9000	11 U	11 U	
MTBE	ug/Kg 1400 U	11 U	11 U	1300 U	6800 U	1200 U	11 U	11 U	
HERBICIDES									
2,4-D	ug/Kg 59 U	56 U	54 U	53 U	57 U	55 U	56 U	54 U	
2,4-DB	ug/Kg 59 U	56 U	54 U	53 U	57 U	55 U	56 U	54 U	
2,4,5-T	ug/Kg 5.9 U	5.6 U	5.4 U	5.3 U	5.7 U	5.5 U	5.6 U	5.4 U	
2,4,5-TP (Sivex)	ug/Kg 5.9 U	5.6 U	5.4 U	5.3 U	5.7 U	5.5 U	5.6 U	5.4 U	
Dalapon	ug/Kg 150 U	140 U	130 U	130 U	140 U	130 U	140 U	130 U	
Dicamba	ug/Kg 5.9 U	5.6 U	5.4 U	6.4	5.7 U	5.5 U	5.6 U	5.4 U	
Dichloroprop	ug/Kg 59 U	56 U	54 U	53 U	57 U	55 U	56 U	54 U	
Dinoseb	ug/Kg 30 U	28 U	27 U	27 U	29 U	28 U	28 U	27 U	
MCPA	ug/Kg 5900 U	5600 U	5400 U	5300 U	5700 U	5500 U	5600 U	5400 U	
MCPP	ug/Kg 5900 U	5600 U	5400 U	5300 U	5700 U	5500 U	5600 U	5400 U	
NITROAROMATICS									
HMX	ug/Kg NS	NS	NS	NS	NS	NS	NS	NS	
RDx	ug/Kg NS	NS	NS	NS	NS	NS	NS	NS	
1,3,5-Trinitrobenzene	ug/Kg NS	NS	NS	NS	NS	NS	NS	NS	
1,3-Dinitrobenzene	ug/Kg NS	NS	NS	NS	NS	NS	NS	NS	
Tetryl	ug/Kg NS	NS	NS	NS	NS	NS	NS	NS	
2,4,6-Trinitrotoluene	ug/Kg NS	NS	NS	NS	NS	NS	NS	NS	
4-amino-2,6-Dinitrotoluene	ug/Kg NS	NS	NS	NS	NS	NS	NS	NS	
2-amino-4,6-Dinitrotoluene	ug/Kg NS	NS	NS	NS	NS	NS	NS	NS	
2,6-Dinitrotoluene	ug/Kg NS	NS	NS	NS	NS	NS	NS	NS	
2,4-Dinitrotoluene	ug/Kg NS	NS	NS	NS	NS	NS	NS	NS	

SENECA ARMY DEPOT
SEAD-25 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-25 0-2 12/03/93 SB25-4.1	SOIL SEAD-25 2-4 12/03/93 SB25-4.2	SOIL SEAD-25 4-6 12/03/93 SB25-4.3	SOIL SEAD-25 0-2 12/03/93 SB25-5.1	SOIL SEAD-25 2-4 12/03/93 SB25-5.2	SOIL SEAD-25 4-6 12/03/93 SB25-5.3	SOIL SEAD-25 0-2 12/03/93 SB25-6.1	SOIL SEAD-25 2-4 12/03/93 SB25-6.2
COMPOUND	ES ID	ES ID	ES ID	ES ID	ES ID	ES ID	ES ID	ES ID
LAB ID	206062	206063	206064	206065	206066	206067	206068	206069
UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
SEMIVOLATILE ORGANICS								
Phenol	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
bis(2-Chloroethyl) ether	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
2-Chlorophenol	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
1,3-Dichlorobenzene	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
1,4-Dichlorobenzene	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
1,2-Dichlorobenzene	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
2-Methylphenol	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
2,2'-oxybis(1-Chloropropane)	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
4-Methylphenol	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
N-Nitroso-di-n-propylamine	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Hexachloroethane	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Nitrobenzene	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Isophorone	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
2-Nitrophenol	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
2,4-Dimethylphenol	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
bis(2-Chloroethoxy) methane	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
2,4-Dichlorophenol	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
1,2,4-Trichlorobenzene	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Naphthalene	ug/Kg 770 J	1500 U	810 U	1500 J	330 J	4300 J	360 U	360 U
4-Chloroaniline	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Hexachlorobutadiene	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
4-Chloro-3-methylphenol	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
2-Methylnaphthalene	ug/Kg 2600 J	1500 U	68 J	8900 J	550	7100 J	360 U	360 U
Hexachlorocyclopentadiene	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
2,4,6-Trichlorophenol	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
2,4,5-Trichlorophenol	ug/Kg 29000 U	3600 U	2000 U	27000 U	1200 U	27000 U	880 U	870 U
2-Chloronaphthalene	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
2-Nitroaniline	ug/Kg 29000 U	3600 U	2000 U	27000 U	1200 U	27000 U	880 U	870 U
Dimethylphthalate	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Acenaphthylene	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	32 J	360 U
2,6-Dinitrotoluene	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
3-Nitroaniline	ug/Kg 29000 U	3600 U	2000 U	27000 U	1200 U	27000 U	880 U	870 U
Acenaphthene	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
2,4-Dinitrophenol	ug/Kg 29000 U	3600 U	2000 U	27000 U	1200 U	27000 U	880 U	870 U
4-Nitrophenol	ug/Kg 29000 U	3600 U	2000 U	27000 U	1200 U	27000 U	880 U	870 U
Dibenzofuran	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
2,4-Dinitrotoluene	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Diethylphthalate	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
4-Chlorophenyl-phenylether	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Fluorene	ug/Kg 1500 J	170 J	95 J	1900 J	510 U	11000 U	28 J	360 U
4-Nitroaniline	ug/Kg 29000 U	3600 U	2000 U	27000 U	1200 U	27000 U	880 U	870 U
4,6-Dinitro-2-methylphenol	ug/Kg 29000 U	3600 U	2000 U	27000 U	1200 U	27000 U	880 U	870 U
N-Nitrosodiphenylamine	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
4-Bromophenyl-phenylether	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Hexachlorobenzene	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Pentachlorophenol	ug/Kg 29000 U	3600 U	2000 U	27000 U	1200 U	27000 U	880 U	870 U
Phenanthrene	ug/Kg 2700 J	350 J	180 J	4600 J	87 J	1000 J	370	360 U
Anthracene	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	42 J	360 U
Carbazole	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	26 J	360 U
Di-n-butylphthalate	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Fluoranthene	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	570	360 U
Pyrene	ug/Kg 12000 U	1500 U	810 U	950 J	510 U	11000 U	560	360 U
Butylbenzylphthalate	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
3,3'-Dichlorobenzidine	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Benzo(a)anthracene	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	230 J	360 U
Chrysene	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	350 J	360 U
bis(2-Ethylhexyl)phthalate	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Di-n-octylphthalate	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Benzo(b)fluoranthene	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	240 J	360 U
Benzo(k)fluoranthene	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	260 J	360 U
Benzo(a)pyrene	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	250 J	360 U
Indeno(1,2,3-cd)pyrene	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	170 J	360 U
Dibenz(a,h)anthracene	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	72 J	360 U
Benzo(g,h,i)perylene	ug/Kg 12000 U	1500 U	810 U	11000 U	510 U	11000 U	200 J	360 U

SENECA ARMY DEPOT
SEAD-25 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMP LE DATE ES ID LAB ID UNITS	SOIL SEAD-25 0-2 12/03/93 SB25-4.1 206062	SOIL SEAD-25 2-4 12/03/93 SB25-4.2 206063	SOIL SEAD-25 4-6 12/03/93 SB25-4.3 206064	SOIL SEAD-25 0-2 12/03/93 SB25-5.1 206065	SOIL SEAD-25 2-4 12/03/93 SB25-5.2 206066	SOIL SEAD-25 4-6 12/03/93 SB25-5.3 206067	SOIL SEAD-25 0-2 12/03/93 SB25-6.1 206068	SOIL SEAD-25 2-4 12/03/93 SB25-6.2 206069
PESTICIDES/PCB								
alpha-BHC	ug/Kg	2 UJ	1.9 U	2.2 U	1.8 UJ	1.9 UJ	1.9 U	1.8 U
beta-BHC	ug/Kg	2 UJ	1.9 U	2.2 U	1.8 UJ	1.9 UJ	1.9 U	1.8 U
delta-BHC	ug/Kg	2 UJ	1.9 U	2.2 U	1.8 UJ	1.9 UJ	1.9 U	1.8 U
gamma-BHC (Lindane)	ug/Kg	2 UJ	1.9 U	2.2 U	1.8 UJ	1.9 UJ	1.9 U	1.8 U
Heptachlor	ug/Kg	2 UJ	1.9 U	2.2 U	1.8 UJ	1.9 UJ	1.9 U	1.8 U
Aldrin	ug/Kg	2 UJ	1.9 U	2.2 U	1.8 UJ	1.9 UJ	1.9 U	1.8 U
Heptachlor epoxide	ug/Kg	2 UJ	1.9 U	2.2 U	2.9 J	1.9 UJ	1.9 U	1.8 U
Endosulfan I	ug/Kg	2 UJ	1.9 U	2.2 U	1.8 UJ	1.9 UJ	1.9 U	1.8 U
Dieldrin	ug/Kg	3.9 UJ	3.7 U	4.3 U	3.5 UJ	3.7 UJ	3.6 U	3.6 U
4,4'-DDE	ug/Kg	3.9 UJ	3.7 U	4.3 U	4.8 J	3.7 UJ	3.6 U	3.6 U
Endrin	ug/Kg	3.9 UJ	3.7 U	4.3 U	2.1 J	3.7 UJ	3.6 U	3.6 U
Endosulfan II	ug/Kg	3.9 UJ	3.7 U	4.3 U	3.5 UJ	3.7 UJ	3.6 U	3.6 U
4,4'-DDD	ug/Kg	3.9 UJ	3.7 U	4.3 U	3.5 UJ	3.7 UJ	3.6 U	3.6 U
Endosulfan sulfate	ug/Kg	3.9 UJ	3.7 U	4.3 U	3.5 UJ	3.7 UJ	3.6 U	3.6 U
4,4'-DDT	ug/Kg	3.9 UJ	3.7 U	4.3 U	3.5 UJ	3.7 UJ	3.6 U	3.6 U
Methoxychlor	ug/Kg	20 UJ	19 U	22 U	18 UJ	19 UJ	19 U	18 U
Endrin ketone	ug/Kg	3.9 UJ	3.7 U	4.3 U	3.5 UJ	3.7 UJ	3.6 U	3.6 U
Endrin aldehyde	ug/Kg	3.9 UJ	3.7 U	4.3 U	3.5 UJ	3.7 UJ	3.6 U	3.6 U
alpha-Chlordane	ug/Kg	2 UJ	1.9 U	2.2 U	2.5 J	1.9 UJ	1.9 U	1.8 U
gamma-Chlordane	ug/Kg	2 UJ	1.9 U	2.2 U	1.8 UJ	1.9 UJ	1.9 U	1.8 U
Toxaphene	ug/Kg	200 UJ	190 U	220 U	180 UJ	190 UJ	190 U	180 U
Aroclor-1016	ug/Kg	39 UJ	37 U	43 U	35 UJ	37 UJ	36 U	36 U
Aroclor-1221	ug/Kg	79 UJ	74 U	86 U	71 UJ	75 UJ	74 U	73 U
Aroclor-1232	ug/Kg	39 UJ	37 U	43 U	35 UJ	37 UJ	36 U	36 U
Aroclor-1242	ug/Kg	39 UJ	37 U	43 U	35 UJ	37 UJ	36 U	36 U
Aroclor-1248	ug/Kg	39 UJ	37 U	43 U	35 UJ	37 UJ	36 U	36 U
Aroclor-1254	ug/Kg	33 NJ	37 U	43 U	130 J	37 UJ	36 U	36 U
Aroclor-1260	ug/Kg	39 UJ	37 U	43 U	35 UJ	37 UJ	36 U	36 U
METALS								
Aluminum	mg/Kg	19700	16600	7590	13200	23600	11600	10600
Antimony	mg/Kg	4.2 U	4.5 U	4.6 U	2.5 J	3.8 U	4 U	4.2 U
Arsenic	mg/Kg	12.2	7.4	9.1	5.1	8.3	8	8.3
Barium	mg/Kg	57.4	86.1	46.1	61.8	160	81.1	59.1
Beryllium	mg/Kg	0.86 J	0.82 J	0.76 J	0.57 J	1.1	0.54 J	0.48 J
Cadmium	mg/Kg	0.41 U	0.43 U	0.44 U	0.24 U	0.37 U	0.39 U	0.41 U
Calcium	mg/Kg	5330	17800	128000	42600	5120	74200	82500
Chromium	mg/Kg	28.4	26.8	15.8	21.1	30.4	17.5	16.9
Cobalt	mg/Kg	11.5	16.8	5.8 J	10.8	14	9.5	11.2
Copper	mg/Kg	35.7 J	28.3 J	11.4 J	17.6 J	34 J	22 J	20.2 J
Iron	mg/Kg	38100	35200	14000	24400	31100	20700	21400
Lead	mg/Kg	68.4	16.4	158	77.2	18	15.8	9.5
Magnesium	mg/Kg	5210	8550	21800	6590	6950	17800	19600
Manganese	mg/Kg	281 J	778 J	344 J	433 J	697 J	423 J	722 J
Mercury	mg/Kg	0.04 J	0.04 J	0.04 U	0.03 U	0.96	0.04 U	0.03 J
Nickel	mg/Kg	34.4	47.8	14.2	30.8	45.2	29.1	26.8
Potassium	mg/Kg	1430	1410	1980	1790	3250	2090	1480
Selenium	mg/Kg	0.92 J	0.85 J	1.5 J	1 J	0.67 J	0.66 J	0.97 J
Silver	mg/Kg	0.81 U	0.87 U	0.89 U	0.48 U	0.73 U	0.78 U	0.82 U
Sodium	mg/Kg	55.2 J	81.3 J	176 J	97.4 J	98.1 J	162 J	269 J
Thallium	mg/Kg	0.51 J	0.48 J	0.79 J	0.55 J	0.62 J	0.23 J	0.24 UJ
Vanadium	mg/Kg	34.1	27.5	14.8	17.5	40.8	20.5	18.5
Zinc	mg/Kg	72.9 J	210 J	67 J	51.9 J	60.5 J	76.6 J	71.6 J
Cyanide	mg/Kg	0.66 U	0.59 U	0.57 U	0.55 U	0.63 U	0.65 U	0.58 U
OTHER ANALYSES								
Nitrate/Nitrite-Nitrogen	mg/Kg	0.01 U	0.01 U	0.01	0.01 U	0.01	0.02	0.17
Total Solids	%W/W	85.2	89.7	93	94.3	87.5	91.5	90
Total Petroleum Hydrocarbons	mg/Kg	5800	770	800	740	27000	2100	99
Fluoride	mg/Kg	NS	NS	NS	NS	NS	NS	NS
pH	standard units	NS	NS	NS	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-25 EXPANDED SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION	WATER	WATER	WATER	WATER	WATER
	ES ID	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
UNITS	LAB ID	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
		210541	210543	210480	204633,	204633
			MW25-1DUP		204658	
VOLATILE ORGANICS						
Chloromethane	ug/L	10 U	10 U	10 U	10 U	NS
Bromomethane	ug/L	10 U	10 U	10 U	10 U	NS
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	NS
Chloroethane	ug/L	10 U	10 U	10 U	10 U	NS
Methylene Chloride	ug/L	10 U	10 U	10 U	10 U	NS
Acetone	ug/L	10 U	10 U	10 U	10 U	NS
Carbon Disulfide	ug/L	10 U	10 U	10 U	10 U	NS
1,1-Dichloroethene	ug/L	10 U	10 U	1 J	10 U	NS
1,1-Dichloroethane	ug/L	10 U	10 U	8 J	3 J	NS
1,2-Dichloroethene (total)	ug/L	10 U	10 U	25	2 J	NS
Chloroform	ug/L	10 U	10 U	17	10 U	NS
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	NS
2-Butanone	ug/L	10 U	10 U	10 U	10 U	NS
1,1,1-Trichloroethane	ug/L	10 U	10 U	38	10 U	NS
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U	NS
Bromodichloromethane	ug/L	10 U	10 U	10 U	10 U	NS
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U	NS
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	NS
Trichloroethene	ug/L	10 U	10 U	10	10 U	NS
Dibromochloromethane	ug/L	10 U	10 U	10 U	10 U	NS
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	NS
Benzene	ug/L	10 U	10 U	780	30	NS
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	NS
Bromoform	ug/L	10 U	10 U	10 U	10 U	NS
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	NS
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	NS
Tetrachloroethene	ug/L	10 U	10 U	1 J	10 U	NS
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U	NS
Toluene	ug/L	10 U	10 U	560	8 J	NS
Chlorobenzene	ug/L	10 U	10 U	10 U	10 U	NS
Ethylbenzene	ug/L	10 U	10 U	110	18	NS
Styrene	ug/L	10 U	10 U	10 U	10 U	NS
Xylene (total)	ug/L	10 U	10 U	2500	82	NS
MTBE	ug/L	ND	ND	NA	ND	NS
HERBICIDES						
2,4-D	ug/L	1.2 U	1.1 U	1.1 U	1.1 U	NS
2,4-DB	ug/L	1.2 U	1.1 U	1.1 U	1.1 U	NS
2,4,5-T	ug/L	0.12 U	0.11 U	0.11 U	0.11 U	NS
2,4,5-TP (Silvex)	ug/L	0.12 U	0.11 U	0.11 U	0.11 U	NS
Dalapon	ug/L	2.6 U	2.6 U	2.6 U	2.5 U	NS
Dicamba	ug/L	0.12 U	0.11 U	0.11 U	0.11 U	NS
Dichloroprop	ug/L	1.2 U	1.1 U	1.1 U	1.1 U	NS
Dinoseb	ug/L	0.56 U	0.55 U	0.55 U	0.53 U	NS
MCPA	ug/L	120 U	110 U	110 U	110 U	NS
MCPP	ug/L	120 U	110 U	110 U	110 U	NS
NITROAROMATICS						
HMX	ug/L	NS	NS	NS	NS	NS
RDX	ug/L	NS	NS	NS	NS	NS
1,3,5-Trinitrobenzene	ug/L	NS	NS	NS	NS	NS
1,3-Dinitrobenzene	ug/L	NS	NS	NS	NS	NS
Tetryl	ug/L	NS	NS	NS	NS	NS
2,4,6-Trinitrotoluene	ug/L	NS	NS	NS	NS	NS
4-amino-2,6-Dinitrotoluene	ug/L	NS	NS	NS	NS	NS
2-amino-4,6-Dinitrotoluene	ug/L	NS	NS	NS	NS	NS
2,6-Dinitrotoluene	ug/L	NS	NS	NS	NS	NS
2,4-Dinitrotoluene	ug/L	NS	NS	NS	NS	NS

NOTES:
NS stands for NOT SAMPLED
NA stands for NOT ANALYZED

SENECA ARMY DEPOT
SEAD-25 EXPANDED SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION	WATER	WATER	WATER	WATER	WATER
	SAMPLE DATE	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
ES ID	02/06/94	02/06/94	02/06/94	02/06/94	11/15/93	11/15/93
LAB ID	MW25-1	MW25-4	MW25-2	MW25-3	MW25-3RE	MW25-3RE
UNITS	210541	210543	210480	204633,	204633	204633
		MW25-1DUP		204658		
SEMIVOLATILE ORGANICS						
Phenol	ug/L	10 U	10 U	56	11 U	12 U
bis(2-Chloroethyl) ether	ug/L	10 U	10 U	25 U	11 U	12 U
2-Chlorophenol	ug/L	10 U	10 U	25 U	11 U	12 U
1,3-Dichlorobenzene	ug/L	10 U	10 U	25 U	11 U	12 U
1,4-Dichlorobenzene	ug/L	10 U	10 U	25 U	11 U	12 U
1,2-Dichlorobenzene	ug/L	10 U	10 U	25 U	11 U	12 U
2-Methylphenol	ug/L	10 U	10 U	23 J	11 U	12 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	10 U	25 U	11 U	12 U
4-Methylphenol	ug/L	10 U	10 U	42	11 U	12 U
N-Nitroso-di-n-propylamine	ug/L	10 U	10 U	25 U	11 U	12 U
Hexachloroethane	ug/L	10 U	10 U	25 U	11 U	12 U
Nitrobenzene	ug/L	10 U	10 U	25 U	11 U	12 U
Isophorone	ug/L	10 U	10 U	25 U	11 U	12 U
2-Nitrophenol	ug/L	10 U	10 U	25 U	11 U	12 U
2,4-Dimethylphenol	ug/L	10 U	10 U	86	11 U	12 U
bis(2-Chloroethoxy) methane	ug/L	10 U	10 U	25 U	11 U	12 U
2,4-Dichlorophenol	ug/L	10 U	10 U	25 U	11 U	12 U
1,2,4-Trichlorobenzene	ug/L	10 U	10 U	25 U	11 U	12 U
Naphthalene	ug/L	10 U	10 U	86	11 U	12 U
4-Chloroaniline	ug/L	10 U	10 U	25 U	11 U	12 U
Hexachlorobutadiene	ug/L	10 U	10 U	25 U	11 U	12 U
4-Chloro-3-methylphenol	ug/L	10 U	10 U	25 U	11 U	12 U
2-Methylnaphthalene	ug/L	10 U	10 U	37	11 U	12 U
Hexachlorocyclopentadiene	ug/L	10 U	10 U	25 U	11 U	12 U
2,4,6-Trichlorophenol	ug/L	10 U	10 U	25 U	11 U	12 U
2,4,5-Trichlorophenol	ug/L	25 U	25 U	62 U	26 U	29 U
2-Chloronaphthalene	ug/L	10 U	10 U	25 U	11 U	12 U
2-Nitroaniline	ug/L	25 U	25 U	62 U	26 U	29 U
Dimethylphthalate	ug/L	10 U	10 U	25 U	11 U	12 U
Acenaphthylene	ug/L	10 U	10 U	25 U	11 U	12 U
2,6-Dinitrotoluene	ug/L	10 U	10 U	25 U	11 U	12 U
3-Nitroaniline	ug/L	25 U	25 U	62 U	26 U	29 U
Acenaphthene	ug/L	10 U	10 U	25 U	11 U	12 U
2,4-Dinitrophenol	ug/L	25 U	25 U	62 U	26 U	29 U
4-Nitrophenol	ug/L	25 U	25 U	62 U	26 U	29 U
Dibenzofuran	ug/L	10 U	10 U	25 U	11 U	12 U
2,4-Dinitrotoluene	ug/L	10 U	10 U	25 U	11 U	12 U
Diethylphthalate	ug/L	10 U	10 U	25 U	11 U	12 U
4-Chlorophenyl-phenylether	ug/L	10 U	10 U	25 U	11 U	12 U
Fluorene	ug/L	10 U	10 U	1 J	11 U	12 U
4-Nitroaniline	ug/L	25 U	25 U	62 U	26 U	29 U
4,6-Dinitro-2-methylphenol	ug/L	25 U	25 U	62 U	26 U	29 U
N-Nitrosodiphenylamine	ug/L	10 U	10 U	25 U	11 U	12 U
4-Bromophenyl-phenylether	ug/L	10 U	10 U	25 U	11 U	12 U
Hexachlorobenzene	ug/L	10 U	10 U	25 U	11 U	12 U
Pentachlorophenol	ug/L	25 U	25 U	62 U	26 U	29 U
Phenanthrene	ug/L	10 U	10 U	25 U	11 U	12 U
Anthracene	ug/L	10 U	10 U	25 U	11 U	12 U
Carbazole	ug/L	10 U	10 U	25 U	11 U	12 U
Di-n-butylphthalate	ug/L	10 U	10 U	25 U	11 U	12 U
Fluoranthene	ug/L	10 U	10 U	25 U	11 U	12 U
Pyrene	ug/L	10 U	10 U	25 U	11 U	12 U
Butylbenzylphthalate	ug/L	10 U	10 U	25 U	11 U	12 U
3,3'-Dichlorobenzidine	ug/L	10 U	10 U	25 U	11 U	12 U
Benzo(a)anthracene	ug/L	10 U	10 U	25 U	11 U	12 U
Chrysene	ug/L	10 U	10 U	25 U	11 U	12 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	10 U	25 U	11 U	12 U
Di-n-octylphthalate	ug/L	10 U	10 U	25 U	11 U	12 U
Benzo(b)fluoranthene	ug/L	10 U	10 U	25 U	11 U	12 U
Benzo(k)fluoranthene	ug/L	10 U	10 U	25 U	11 U	12 U
Benzo(a)pyrene	ug/L	10 U	10 U	25 U	11 U	12 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	10 U	25 U	11 U	12 U
Dibenz(a,h)anthracene	ug/L	10 U	10 U	25 U	11 U	12 U
Benzo(g,h,i)perylene	ug/L	10 U	10 U	25 U	11 U	12 U

SENECA ARMY DEPOT
SEAD-25 EXPANDED SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

MATRIX LOCATION SAMPLE DATE ES ID LAB ID UNITS	WATER SEAD-25 02/06/94 MW25-1 210541	WATER SEAD-25 02/06/94 MW25-4 210543 MW25-1DUP	WATER SEAD-25 02/05/94 MW25-2 210480	WATER SEAD-25 11/15/93 MW25-3 204633, 204658	WATER SEAD-25 11/15/93 MW25-3RE 204633	
PESTICIDES/PCB						
alpha-BHC	ug/L	0.056 U	0.06 U	0.06 U	0.053 U	NS
beta-BHC	ug/L	0.056 U	0.06 U	0.06 U	0.053 U	NS
delta-BHC	ug/L	0.056 U	0.06 U	0.06 U	0.053 U	NS
gamma-BHC (Lindane)	ug/L	0.056 U	0.06 U	0.06 U	0.053 U	NS
Heptachlor	ug/L	0.056 U	0.06 U	0.06 U	0.053 U	NS
Aldrin	ug/L	0.056 U	0.06 U	0.06 U	0.053 U	NS
Heptachlor epoxide	ug/L	0.056 U	0.06 U	0.06 U	0.053 U	NS
Endosulfan I	ug/L	0.056 U	0.06 U	0.06 U	0.053 U	NS
Dieldrin	ug/L	0.11 U	0.12 U	0.12 U	0.11 U	NS
4,4'-DDE	ug/L	0.11 U	0.12 U	0.12 U	0.11 U	NS
Endrin	ug/L	0.11 U	0.12 U	0.12 U	0.11 U	NS
Endosulfan II	ug/L	0.11 U	0.12 U	0.12 U	0.11 U	NS
4,4'-DDD	ug/L	0.11 U	0.12 U	0.12 U	0.11 U	NS
Endosulfan sulfate	ug/L	0.11 U	0.12 U	0.12 U	0.11 U	NS
4,4'-DDT	ug/L	0.11 U	0.12 U	0.12 U	0.11 U	NS
Methoxychlor	ug/L	0.56 U	0.6 U	0.6 U	0.53 U	NS
Endrin ketone	ug/L	0.11 U	0.12 U	0.12 U	0.11 U	NS
Endrin aldehyde	ug/L	0.11 U	0.12 U	0.12 U	0.11 U	NS
alpha-Chlordane	ug/L	0.056 U	0.06 U	0.06 U	0.053 U	NS
gamma-Chlordane	ug/L	0.056 U	0.06 U	0.06 U	0.053 U	NS
Toxaphene	ug/L	5.6 U	6 U	6 U	5.3 U	NS
Aroclor-1016	ug/L	1.1 U	1.2 U	1.2 U	1.1 U	NS
Aroclor-1221	ug/L	2.2 U	2.4 U	2.4 U	2.1 U	NS
Aroclor-1232	ug/L	1.1 U	1.2 U	1.2 U	1.1 U	NS
Aroclor-1242	ug/L	1.1 U	1.2 U	1.2 U	1.1 U	NS
Aroclor-1248	ug/L	1.1 U	1.2 U	1.2 U	1.1 U	NS
Aroclor-1254	ug/L	1.1 U	1.2 U	1.2 U	1.1 U	NS
Aroclor-1260	ug/L	1.1 U	1.2 U	1.2 U	1.1 U	NS
METALS						
Aluminum	ug/L	894 J	1870 J	53.3 J	2260	NS
Antimony	ug/L	24.9 J R	36.3 J R	22.4 J R	52.7 U	NS
Arsenic	ug/L	1.4 U	1.4 U	3.8 J	1 U	NS
Barium	ug/L	115 J	121 J	74.1 J	54 J	NS
Beryllium	ug/L	0.4 U	0.4 U	0.4 U	0.31 J	NS
Cadmium	ug/L	2.1 U	2.1 U	2.1 U	3.3 U	NS
Calcium	ug/L	142000	145000	143000	119000	NS
Chromium	ug/L	2.8 J	2.6 U	2.6 U	5 J	NS
Cobalt	ug/L	4.4 U	4.4 U	4.4 U	7.9 J	NS
Copper	ug/L	3.1 U	3.1 U	3.1 U	4.4 J	NS
Iron	ug/L	1300 J	3200 J	3730	4150	NS
Lead	ug/L	3 R	2.7 J R	2 J R	3	NS
Magnesium	ug/L	26100	26900	48000	22000	NS
Manganese	ug/L	213	241	1330	2440	NS
Mercury	ug/L	0.05 J R	0.05 J R	0.04 U	0.07 UJ	NS
Nickel	ug/L	4.4 J	8.8 J	4.7 J	11.5 J	NS
Potassium	ug/L	906 U	1010 J	9950	4170 J	NS
Selenium	ug/L	0.73 J	0.7 U	0.7 U	0.8 U	NS
Silver	ug/L	4.2 U	4.2 U	4.2 U	6.7 U	NS
Sodium	ug/L	52900	54100	13100	11500 R	NS
Thallium	ug/L	1.2 U	1.2 U	1.2 U	1.8 U	NS
Vanadium	ug/L	3.7 U	3.7 U	3.7 U	5.4 J	NS
Zinc	ug/L	12.4 J R	20.2 R	31.3 R	20 R	NS
Cyanide	ug/L	5 U	5 U	5 U	5 U	NS
OTHER ANALYSES						
Nitrate/Nitrite-Nitrogen	mg/L	0.16	0.17	0.01 U	0.07	NS
Total Petroleum Hydrocarbons	mg/L	0.4 U	0.4 U	2	1.6	NS
Fluoride	mg/L	NS	NS	NS	NS	NS
pH	standard units	7.01	NS	7.08	7.52	NS
Specific Conductivity	umhos/cm	600	NS	600	510	NS
Turbidity	NTU	56.4	NS	3.6	2.2	NS

SENECA ARMY DEPOT
SEAD-26 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-26 0-0.2 10/25/93 SS26-1 202245	SOIL SEAD-26 0-0.2 10/25/93 SS26-1RE 202245	SOIL SEAD-26 0-0.2 10/25/93 SS26-2 202246	SOIL SEAD-26 0-0.2 10/25/93 SS26-2PRE 202246	SOIL SEAD-26 0-0.2 10/25/93 SS26-3 202247	SOIL SEAD-26 0-0.2 10/25/93 SS26-4 202249	SOIL SEAD-26 0-0.2 10/25/93 SS26-5 202251	SOIL SEAD-26 0-0.2 10/25/93 SS26-6 202252	SOIL SEAD-26 0-0.2 10/25/93 SS26-7 202253		
COMPOUND	LAB ID	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS		
VOLATILE ORGANICS											
Chloromethane	ug/Kg	11 UJ	11 UJ	12 UJ	12 UJ	11 UJ	11 UJ	10 U	10 U	11 U	
Bromomethane	ug/Kg	11 UJ	11 UJ	12 UJ	12 UJ	11 UJ	11 UJ	10 U	10 U	11 U	
Vinyl Chloride	ug/Kg	11 UJ	11 UJ	12 UJ	12 UJ	11 UJ	11 UJ	10 U	10 U	11 U	
Chloroethane	ug/Kg	11 UJ	11 UJ	12 UJ	12 UJ	11 UJ	11 UJ	10 U	10 U	11 U	
Methylene Chloride	ug/Kg	11 J	11 UJ	7 J	12 UJ	11 UJ	11 UJ	10 U	6 J	5 J	
Acetone	ug/Kg	10 J	11 UJ	12 UJ	12 UJ	11 UJ	11 UJ	10 U	10 U	11 U	
Carbon Disulfide	ug/Kg	11 UJ	11 UJ	12 UJ	12 UJ	11 UJ	11 UJ	10 U	10 U	11 U	
1,1-Dichloroethane	ug/Kg	11 UJ	11 UJ	12 UJ	12 UJ	11 UJ	11 UJ	10 U	10 U	11 U	
1,1-Dichloroethane	ug/Kg	11 UJ	11 UJ	12 UJ	12 UJ	11 UJ	11 UJ	10 U	10 U	11 U	
1,2-Dichloroethane (total)	ug/Kg	11 UJ	11 UJ	12 UJ	12 UJ	11 UJ	11 UJ	10 U	10 U	11 U	
Chloroform	ug/Kg	11 UJ	11 UJ	12 UJ	12 UJ	6 J	11 UJ	10 U	10 U	11 U	
1,2-Dichloroethane	ug/Kg	11 UJ	11 UJ	12 UJ	12 UJ	11 UJ	11 UJ	10 U	10 U	11 U	
2-Butanone	ug/Kg	11 UJ	11 UJ	12 UJ	12 UJ	11 UJ	11 UJ	10 U	10 U	11 U	
1,1,1-Trichloroethane	ug/Kg	11 UJ	11 UJ	12 UJ	12 UJ	11 UJ	11 UJ	10 U	10 U	11 U	
Carbon Tetrachloride	ug/Kg	11 UJ	11 UJ	12 UJ	12 UJ	11 UJ	11 UJ	10 U	10 U	11 U	
Bromodichloromethane	ug/Kg	11 UJ	11 UJ	12 UJ	12 UJ	11 UJ	11 UJ	10 U	10 U	11 U	
1,2-Dichloropropane	ug/Kg	11 UJ	11 UJ	12 UJ	12 UJ	11 UJ	11 UJ	10 U	10 U	11 U	
cis-1,3-Dichloropropene	ug/Kg	11 UJ	11 UJ	12 UJ	12 UJ	11 UJ	11 UJ	10 U	10 U	11 U	
Trichloroethene	ug/Kg	11 UJ	11 UJ	12 UJ	12 UJ	11 UJ	11 UJ	10 U	10 U	11 U	
Dibromochloromethane	ug/Kg	11 UJ	11 UJ	12 UJ	12 UJ	11 UJ	11 UJ	10 U	10 U	11 U	
1,1,2-Trichloroethane	ug/Kg	11 UJ	11 UJ	12 UJ	12 UJ	11 UJ	11 UJ	10 U	10 U	11 U	
Benzene	ug/Kg	11 UJ	11 UJ	12 UJ	12 UJ	11 UJ	11 UJ	10 U	10 U	11 U	
trans-1,3-Dichloropropene	ug/Kg	11 UJ	11 UJ	12 UJ	12 UJ	11 UJ	11 UJ	10 U	10 U	11 U	
Bromoform	ug/Kg	11 UJ	11 UJ	12 UJ	12 UJ	11 UJ	11 UJ	10 U	10 U	11 U	
4-Methyl-2-Pentanone	ug/Kg	11 UJ	11 UJ	12 UJ	12 UJ	11 UJ	11 UJ	10 U	10 U	11 U	
2-Hexanone	ug/Kg	11 UJ	11 UJ	12 UJ	12 UJ	11 UJ	11 UJ	10 U	10 U	11 U	
Tetrachloroethene	ug/Kg	11 UJ	11 UJ	12 UJ	12 UJ	11 UJ	11 UJ	10 U	10 U	11 U	
1,1,2,2-Tetrachloroethane	ug/Kg	11 UJ	11 UJ	12 UJ	12 UJ	11 UJ	11 UJ	10 U	10 U	11 U	
Toluene	ug/Kg	11 UJ	11 UJ	12 UJ	12 UJ	11 UJ	11 UJ	10 U	10 U	11 U	
Chlorobenzene	ug/Kg	11 UJ	11 UJ	12 UJ	12 UJ	11 UJ	11 UJ	10 U	10 U	11 U	
Ethylbenzene	ug/Kg	11 UJ	11 UJ	12 UJ	12 UJ	11 UJ	11 UJ	10 U	10 U	11 U	
Styrene	ug/Kg	11 UJ	11 UJ	12 UJ	12 UJ	11 UJ	11 UJ	10 U	10 U	11 U	
Xylene (total)	ug/Kg	11 UJ	11 UJ	12 UJ	12 UJ	11 UJ	11 UJ	10 U	10 U	11 U	
MTBE	ug/Kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	
HERBICIDES											
2,4-D	ug/Kg	55 U	NS	260	NS	56 U	57 U	54 U	52 U	51 U	53 U
2,4-DB	ug/Kg	55 U	NS	170 U	NS	56 U	57 U	54 U	52 U	51 U	53 U
2,4,5-T	ug/Kg	15	NS	220	NS	11	5.7 U	5.4 U	5.2 U	5.1 U	5.3 U
2,4,5-TP (Silvex)	ug/Kg	5.5 U	NS	17 U	NS	5.6 U	5.7 U	5.4 U	5.2 U	5.1 U	5.3 U
Dalapon	ug/Kg	140 U	NS	410 U	NS	140 U	140 U	130 U	130 U	130 U	130 U
Dicamba	ug/Kg	5.5 U	NS	17 U	NS	5.6 U	5.7 U	5.4 U	5.2 U	5.1 U	5.3 U
Dichloroprop	ug/Kg	55 U	NS	170 U	NS	56 U	57 U	54 U	52 U	51 U	53 U
Dinoseb	ug/Kg	28 U	NS	84 U	NS	28 U	29 U	27 U	26 U	26 U	27 U
MCPA	ug/Kg	5500 U	NS	17000 U	NS	5600 U	5700 U	5400 U	5200 U	5100 U	5300 U
MCPP	ug/Kg	5500 U	NS	17000 U	NS	5600 U	5700 U	5400 U	5200 U	5100 U	5300 U
NITROAROMATICS											
HMX	ug/Kg	130 U	NS	99 J	NS	110 J	130 UJ	130 U	130 UJ	120 J	130 UJ
RDX	ug/Kg	130 U	NS	130 U	NS	130 U	130 UJ	130 U	130 UJ	130 UJ	130 UJ
1,3,5-Trinitrobenzene	ug/Kg	130 U	NS	130 U	NS	130 U	130 UJ	130 U	130 UJ	130 UJ	130 UJ
1,3-Dinitrobenzene	ug/Kg	130 U	NS	130 U	NS	130 U	130 UJ	130 U	130 UJ	130 UJ	130 UJ
Tetryl	ug/Kg	130 U	NS	130 U	NS	130 U	130 UJ	130 U	130 UJ	130 UJ	130 UJ
2,4,6-Trinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	130 UJ	130 U	130 UJ	130 UJ	130 UJ
4-amino-2,6-Dinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 J	130 UJ	130 U	130 UJ	130 UJ	130 UJ
2-amino-4,6-Dinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	130 UJ	130 U	130 UJ	130 UJ	130 UJ
2,6-Dinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	130 UJ	130 U	130 UJ	130 UJ	130 UJ
2,4-Dinitrotoluene	ug/Kg	290 J	NS	330 J	NS	420 J	400 J	130 U	130 UJ	130 UJ	130 UJ

NOTES:
NS stands for NOT SAMPLED
NA stands for NOT ANALYZED
ND stands for NOT DETECTED

SENECA ARMY DEPOT
SEAD-26 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID	SOIL SEAD-26 0-0.2 10/25/93 SS26-1 202245	SOIL SEAD-26 0-0.2 10/25/93 SS26-1RE 202245	SOIL SEAD-26 0-0.2 10/25/93 SS26-2 202246	SOIL SEAD-26 0-0.2 10/25/93 SS26-2RE 202246	SOIL SEAD-26 0-0.2 10/25/93 SS26-3 202247	SOIL SEAD-26 0-0.2 10/25/93 SS26-9 202255	SOIL SEAD-26 0-0.2 10/25/93 SS26-4 202249	SOIL SEAD-26 0-0.2 10/25/93 SS26-5 202251	SOIL SEAD-26 0-0.2 10/25/93 SS26-6 202252	SOIL SEAD-26 0-0.2 10/25/93 SS26-7 202253
COMPOUND UNITS										
SEMIVOLATILE ORGANICS										
Phend	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
bis(2-Chloroethyl) ether	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
2-Chlorophend	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
1,3-Dichlorobenzene	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
1,4-Dichlorobenzene	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
1,2-Dichlorobenzene	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
2-Methylphend	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
2,2'-oxybis(1-Chloropropane)	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
4-Methylphend	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
N-Nitroso-d-n-propylamine	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
Hexachloroethane	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
Nitrobenzene	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
Isophorone	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
2-Nitrophenol	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
2,4-Dimethylphenol	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
bis(2-Chloroethoxy) methane	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
2,4-Dichlorophenol	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
1,2,4-Trichlorobenzene	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
Naphthalene	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	24 J	1100 U	350 U
4-Chloroaniline	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
Hexachlorobutadiene	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
4-Chloro-3-methylphenol	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
2-Methylnaphthalene	ug/Kg 19000 U	NS	590 J	NS	45000 U	38000 U	41 J	28 J	1100 U	350 U
Hexachlorocyclopentadiene	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
2,4,6-Trichlorophenol	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
2,4,5-Trichlorophenol	ug/Kg 46000 U	NS	9800 U	NS	10000 U	95000 U	1100 U	830 U	2700 U	840 U
2-Chlorosulphthalene	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
2-Nitroaniline	ug/Kg 46000 U	NS	9800 U	NS	10000 U	95000 U	1100 U	830 U	2700 U	840 U
Dimethylphthalate	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
Aceraphthylene	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
2,6-Dinitrotoluene	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
3-Nitroaniline	ug/Kg 46000 U	NS	9800 U	NS	10000 U	95000 U	1100 U	830 U	2700 U	840 U
Aceraphthene	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	180 J	340 U	150 J	350 U
2,4-Dinitrophenol	ug/Kg 46000 U	NS	9800 U	NS	10000 U	95000 U	1100 U	830 U	2700 U	840 U
4-Nitrophenol	ug/Kg 46000 U	NS	9800 U	NS	10000 U	95000 U	1100 U	830 U	2700 U	840 U
Dibenzofuran	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	62 J	340 U	1100 U	350 U
2,4-Dinitrotoluene	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
Diethylphthalate	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
4-Chlorophenyl-phenylether	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
Fluorene	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	130 J	340 U	130 J	350 U
4-Nitroaniline	ug/Kg 46000 U	NS	9800 U	NS	10000 U	95000 U	1100 U	830 U	2700 U	840 U
4,6-Dinitro-2-methylphenol	ug/Kg 46000 U	NS	9800 U	NS	10000 U	95000 U	1100 U	830 U	2700 U	840 U
N-Nitrosodiphenylamine	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
4-Bromophenyl-phenylether	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
Hexachlorobenzene	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
Pentachlorophend	ug/Kg 46000 U	NS	9800 U	NS	10000 U	95000 U	1100 U	830 U	2700 U	840 U
Phenanthrene	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	1600	340 U	2700	350 U
Anthracene	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	240 J	340 U	480 J	350 U
Carbazole	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	230 J	340 U	570 J	350 U
Di-n-butylphthalate	ug/Kg 19000 U	NS	4000 U	NS	6200 J	38000 U	450 U	340 U	1100 U	350 U
Fluoranthene	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	2300	340 U	7000	26 J
Pyrene	ug/Kg 1700 J	NS	720 J	NS	2500 J	3400 J	1900	19 J	6200	26 J
Butylbenzylphthalate	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	210 J	350 U
3,3'-Dichlorobenzidine	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
Benzofluoranthene	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	750	340 U	3700	18 J
Chrysene	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	940	31 J	4300	28 J
bis(2-Ethylhexyl)phthalate	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	48 J
Di-n-octylphthalate	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	1100 U	350 U
Benzofluoranthene	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	780	90 J	4000	350 U
Benzofluoranthene	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	690	39 J	3500	350 U
Benzofluoranthene	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	720	46 J	3400	350 U
Indeno(1,2,3-cd)pyrene	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	390 J	44 J	1500	350 U
Dibenz(a,h)anthracene	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	450 U	340 U	750 J	350 U
Benzofluoranthene	ug/Kg 19000 U	NS	4000 U	NS	45000 U	38000 U	250 J	42 J	900 J	350 U

SENECA ARMY DEPOT
SEAD-26 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-26 0-0.2 10/25/93	SOIL SEAD-26 0-0.2 10/25/93	SOIL SEAD-26 0-0.2 10/25/93	SOIL SEAD-26 0-0.2 10/25/93	SOIL SEAD-26 0-0.2 10/25/93	SOIL SEAD-26 0-0.2 10/25/93	SOIL SEAD-26 0-0.2 10/25/93	SOIL SEAD-26 0-0.2 10/25/93	SOIL SEAD-26 0-0.2 10/25/93	SOIL SEAD-26 0-0.2 10/25/93	SOIL SEAD-26 0-0.2 10/25/93
ES ID	SS26-1	SS26-1RE	SS26-2	SS26-2RE	SS26-3	SS26-3	SS26-4	SS26-4	SS26-5	SS26-6	SS26-7
LAB ID	202245	202245	202246	202246	202247	202255	202249	202251	202252	202253	202253
UNITS	202245	202245	202246	202246	202247	202255	202249	202251	202252	202253	202253
COMPOUND						SS26-3DUP					
PESTICIDES/PCB											
alpha-BHC	ug/Kg	9.4 U	NS	9.6 U	NS	3.8 U	9.7 U	1.8 U	1.8 U	3.5 U	1.8 U
beta-BHC	ug/Kg	9.4 U	NS	9.6 U	NS	3.8 U	9.7 U	1.8 U	1.4 J	3.5 U	1.8 U
delta-BHC	ug/Kg	9.4 U	NS	9.6 U	NS	3.8 U	9.7 U	1.8 U	1.8 U	3.5 U	1.8 U
gamma-BHC (Lindane)	ug/Kg	9.4 U	NS	9.6 U	NS	3.8 U	9.7 U	1.8 U	1.8 U	3.5 U	1.8 U
Heptachlor	ug/Kg	9.4 U	NS	9.8 U	NS	3.8 U	9.7 U	1.8 U	1.8 U	3.5 U	1.8 U
Aldrin	ug/Kg	9.4 U	NS	9.6 U	NS	3.8 U	9.7 U	1.8 U	1.8 U	3.5 U	1.8 U
Heptachlor epoxide	ug/Kg	9.4 U	NS	9.6 U	NS	3.8 U	9.7 U	1.8 U	1.8 U	3.5 U	1.8 U
Endosulfan I	ug/Kg	9.4 U	NS	9.8 U	NS	5.3 J	9.7 U	1.8 U	1.8 U	3.5 U	1.8 U
Dieldrin	ug/Kg	18 U	NS	19 U	NS	4.2 J	19 U	3.6 U	3.4 U	6.7 U	3.5 U
4,4'-DDE	ug/Kg	17 J	NS	14 J	NS	4.4 J	19 U	6 J	3.4 U	6.7 U	3 J
Endrin	ug/Kg	18 U	NS	19 U	NS	7.4 U	19 U	3.6 U	3.4 U	6.7 U	3.5 U
Endosulfan II	ug/Kg	35 J	NS	60 J	NS	7.4 U	19 U	3.6 U	3.4 U	6.7 U	3.5 U
4,4'-DDD	ug/Kg	22	NS	19 U	NS	7.4 U	19 U	3.6 U	3.4 U	6.7 U	3.5 U
Endosulfan sulfate	ug/Kg	21 J	NS	23 J	NS	7.4 U	19 U	3.6 U	3.4 U	6.7 U	3.5 U
4,4'-DDT	ug/Kg	18 U	NS	19 U	NS	7.4 U	19 U	3.8 U	3.4 U	6.7 U	3.5 U
Methoxychlor	ug/Kg	94 U	NS	98 U	NS	21 J	19 U	18 U	18 U	35 U	18 U
Endrin ketone	ug/Kg	18 U	NS	19 U	NS	7.4 U	19 U	3.8 U	3.4 U	6.7 U	3.5 U
Endrin aldehyde	ug/Kg	18 U	NS	23 J	NS	15 J	19 U	3.8 U	3.4 U	6.7 U	3.5 U
alpha-Chlordane	ug/Kg	9.4 U	NS	9.8 U	NS	3.8 U	9.7 U	1.8 U	1.8 U	3.5 U	1.8 U
gamma-Chlordane	ug/Kg	5.9 J	NS	7.8 J	NS	3.8 U	9.7 U	1.8 U	1.8 U	3.5 U	1.8 U
Toxaphene	ug/Kg	940 U	NS	960 U	NS	380 U	970 U	180 U	180 U	350 U	180 U
Aroclor-1018	ug/Kg	180 U	NS	190 U	NS	74 U	190 U	36 U	34 U	67 U	35 U
Aroclor-1221	ug/Kg	370 U	NS	380 U	NS	150 U	380 U	73 U	70 U	140 U	71 U
Aroclor-1232	ug/Kg	180 U	NS	190 U	NS	74 U	190 U	36 U	34 U	67 U	35 U
Aroclor-1242	ug/Kg	180 U	NS	190 U	NS	74 U	190 U	36 U	34 U	67 U	35 U
Aroclor-1248	ug/Kg	180 U	NS	190 U	NS	74 U	190 U	38 U	34 U	67 U	35 U
Aroclor-1254	ug/Kg	180 U	NS	190 U	NS	74 U	190 U	36 U	34 U	67 U	35 U
Aroclor-1260	ug/Kg	180 U	NS	190 U	NS	74 U	190 U	36 U	34 U	67 U	35 U
METALS											
Aluminum	mg/Kg	1750	NS	1560	NS	2050	1640	10900	5830	2650	5490
Antimony	mg/Kg	8.9 UJ	NS	10.9 UJ	NS	7.4 UJ	8.5 UJ	8.1 UJ	7 UJ	8 UJ	8.8 UJ
Arsenic	mg/Kg	3.3	NS	6.5	NS	6	7.5	9.6	3.8	10.8	4.9
Barium	mg/Kg	73.9	NS	45.7	NS	18 J	17.3 J	70.1	21.5 J	25.8 J	90.7
Beryllium	mg/Kg	0.25 J	NS	0.2 J	NS	0.24 J	0.22 J	0.48 J	0.22 J	0.23 J	0.33 J
Cadmium	mg/Kg	0.58 J	NS	0.68 U	NS	0.47 U	0.53 U	0.51 U	0.44 U	0.5 U	0.55 U
Calcium	mg/Kg	293000	NS	284000	NS	271000	285000	48100	44200	213000	222000
Chromium	mg/Kg	3.8 R	NS	3.9 R	NS	3.9 R	3.5 R	17.6	8.9	31.1	10.6
Cobalt	mg/Kg	2.7 J	NS	3.6 J	NS	2.8 J	3.1 J	9.7	4.5 J	5.7 J	6.6 J
Copper	mg/Kg	12.8	NS	11.8	NS	10.5	11.8	19.3	16.5	25.9	19
Iron	mg/Kg	3510	NS	5970	NS	3270	3880	22100	11900	70200	13500
Lead	mg/Kg	6.8	NS	5.4	NS	3.2	3.7	20.8	8.7	52.2	58.5
Magnesium	mg/Kg	7980	NS	8180	NS	7810	9370	7180	15500	12800	18200
Manganese	mg/Kg	213	NS	212	NS	198	241	398	264	536	365
Mercury	mg/Kg	0.02 U	NS	0.87	NS	0.04 U	0.38	0.02 J	0.55	0.02 U	0.53
Nickel	mg/Kg	12.2 R	NS	13.4 R	NS	56 R	14.1 R	30.3 R	14.8 R	20.1 R	19.4 R
Potassium	mg/Kg	1030	NS	849 J	NS	1170	1010	1400	1050	1050	2070
Selenium	mg/Kg	0.23 U	NS	0.24 J	NS	0.23 U	0.35 J	0.19 U	0.21 U	0.19 U	0.14 U
Silver	mg/Kg	1.1 UJ	NS	1.4 UJ	NS	0.95 UJ	1.1 UJ	1 UJ	0.89 UJ	1 UJ	1.1 UJ
Sodium	mg/Kg	224 J	NS	238 J	NS	218 J	238 J	125 J	104 J	212 J	241 J
Thallium	mg/Kg	2.5 UJ	NS	2.8 UJ	NS	2.5 UJ	1.5 UJ	0.21 UJ	0.23 UJ	0.2 UJ	1.5 UJ
Vanadium	mg/Kg	12.2	NS	8.5 J	NS	10.5	9.2	17.3	12.4	11	14.8
Zinc	mg/Kg	98.9 R	NS	35.5 R	NS	105 R	31.3 R	75.9 R	51.5 R	164 R	278 R
Cyanide	mg/Kg	0.54 U	NS	0.58 U	NS	0.58	0.56 U	0.52 U	0.51 U	0.5 U	0.51 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg	0.85	NS	0.22	NS	0.05	0.12	0.07	0.14	0.04	0.44
Total Solids	%W/W	89.6	NS	88.6	NS	88.8	88.4	92.5	96.4	97.6	94.7
Total Petroleum Hydrocarbons	mg/Kg	76	NS	71	NS	21000	17900	880	117	97	330
Fluoride	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
pH	standard units	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

SENEGA ARMY DEPOT
SEAD-28 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-26 0-0.2 10/25/93 SS26-8 202254	SOIL SEAD-26 0-2 11/17/93 SB26-1.1 204829	SOIL SEAD-26 0-2 11/17/93 SB26-1.1RE 204829	SOIL SEAD-26 2-4 11/17/93 SB26-1.2 204830	SOIL SEAD-26 2-4 11/17/93 SB26-1.2RE 204830	SOIL SEAD-26 0-2 11/18/93 SB26-2.1 205095	SOIL SEAD-26 0-2 11/18/93 SB26-2.5 205096 SB26-2.1DUP	SOIL SEAD-26 0-2 11/18/93 SB26-2.5RE 205096 SB26-2.1DUP	SOIL SEAD-26 8-10 11/18/93 SB26-2.6 205097	SOIL SEAD-26 10-12 11/18/93 SB26-2.7 205098
VOLATILE ORGANICS										
Chloromethane	ug/Kg 11 U	11 U	NS	11 U	NS	11 U	10 U	10 U R	12 U	12 U
Bromomethane	ug/Kg 11 U	11 U	NS	11 U	NS	11 U	10 U	10 U R	12 U	12 U
Vinyl Chloride	ug/Kg 11 U	11 U	NS	11 U	NS	11 U	10 U	10 U R	12 U	12 U
Chloroethane	ug/Kg 11 U	11 U	NS	11 U	NS	11 U	10 U	10 U R	12 U	12 U
Methylene Chloride	ug/Kg 12 U	11 U	NS	11 U	NS	11 U	10 U	4 J R	12 U	12 U
Acetone	ug/Kg 11 U	11 U	NS	11 U	NS	25 U	10 U	10 U R	13 U	12 U
Carbon Disulfide	ug/Kg 11 U	11 U	NS	11 U	NS	11 U	10 U	10 U R	12 U	12 U
1,1-Dichloroethane	ug/Kg 11 U	11 U	NS	11 U	NS	11 U	10 U	10 U R	12 U	12 U
1,1-Dichloroethane	ug/Kg 11 U	11 U	NS	11 U	NS	11 U	10 U	10 U R	12 U	12 U
1,2-Dichloroethane (total)	ug/Kg 11 U	11 U	NS	11 U	NS	11 U	10 U	10 U R	12 U	12 U
Chloroform	ug/Kg 11 U	11 U	NS	11 U	NS	11 U	10 U	10 U R	12 U	12 U
1,2-Dichloroethane	ug/Kg 11 U	11 U	NS	11 U	NS	11 U	10 U	10 U R	12 U	12 U
2-Butanone	ug/Kg 11 U	11 U	NS	11 U	NS	11 U	10 U	10 U R	12 U	12 U
1,1,1-Trichloroethane	ug/Kg 11 U	11 U	NS	11 U	NS	11 U	10 U	10 U R	12 U	12 U
Carbon Tetrachloride	ug/Kg 11 U	11 U	NS	11 U	NS	11 U	10 U	10 U R	12 U	12 U
Bromodichloromethane	ug/Kg 11 U	11 U	NS	11 U	NS	11 U	10 U	10 U R	12 U	12 U
1,2-Dichloropropane	ug/Kg 11 U	11 U	NS	11 U	NS	11 U	10 U	10 U R	12 U	12 U
cis-1,3-Dichloropropene	ug/Kg 11 U	11 U	NS	11 U	NS	11 U	10 U	10 U R	12 U	12 U
Trichloroethene	ug/Kg 11 U	11 U	NS	11 U	NS	11 U	10 U	10 U R	12 U	12 U
Dibromochloromethane	ug/Kg 11 U	11 U	NS	11 U	NS	11 U	10 U	10 U R	12 U	12 U
1,1,2-Trichloroethane	ug/Kg 11 U	11 U	NS	11 U	NS	11 U	10 U	10 U R	12 U	12 U
Benzene	ug/Kg 11 U	11 U	NS	11 U	NS	11 U	10 U	10 U R	12 U	12 U
trans-1,3-Dichloropropene	ug/Kg 11 U	11 U	NS	11 U	NS	11 U	10 U	10 U R	12 U	12 U
Bromoform	ug/Kg 11 U	11 U	NS	11 U	NS	11 U	10 U	10 U R	12 U	12 U
4-Methyl-2-Pentanone	ug/Kg 11 U	11 U	NS	11 U	NS	11 U	10 U	10 U R	12 U	12 U
2-Hexanone	ug/Kg 11 U	11 U	NS	11 U	NS	11 U	10 U	10 U R	12 U	12 U
Tetrachloroethene	ug/Kg 11 U	11 U	NS	11 U	NS	11 U	10 U	10 U R	12 U	12 U
1,1,2,2-Tetrachloroethane	ug/Kg 11 U	11 U	NS	11 U	NS	11 U	10 U	10 U R	12 U	12 U
Toluene	ug/Kg 11 U	11 U	NS	11 U	NS	11 U	3 J	10 U R	12 U	12 U
Chlorobenzene	ug/Kg 11 U	11 U	NS	11 U	NS	11 U	10 U	10 U R	12 U	12 U
Ethylbenzene	ug/Kg 11 U	11 U	NS	11 U	NS	11 U	10 U	10 U R	12 U	12 U
Styrene	ug/Kg 11 U	11 U	NS	11 U	NS	11 U	10 U	10 U R	12 U	12 U
Xylene (total)	ug/Kg 11 U	11 U	NS	11 U	NS	11 U	10 U	10 U R	12 U	12 U
MTEE	ug/Kg NA	ND	NS	ND	NS	10 U	10 U	10 U R	10 U	10 U
HERBICIDES										
2,4-D	ug/Kg 54 U	55 U R	55 UJ	57 U R	57 UJ	55 U	53 U	NS	63 U	59 U
2,4-DB	ug/Kg 54 U	55 U R	55 UJ	57 U R	57 UJ	55 U	53 U	NS	63 U	59 U
2,4,5-T	ug/Kg 5.4 U	5.5 U R	5.5 UJ	5.7 U R	5.7 UJ	5.5 U	5.3 U	NS	6.3 U	5.9 U
2,4,5-TP (Silvex)	ug/Kg 5.4 U	5.5 U R	5.5 UJ	5.7 U R	5.7 UJ	5.5 U	5.3 U	NS	6.3 U	5.9 U
Dalapon	ug/Kg 130 U	140 U R	140 UJ	140 U R	140 UJ	140 U	130 U	NS	150 U	140 U
Dicamba	ug/Kg 5.4 U	5.5 U R	5.5 UJ	5.7 U R	5.7 UJ	5.5 U	5.3 U	NS	6.3 U	5.9 U
Dichloroprop	ug/Kg 54 U	55 U R	55 UJ	57 U R	57 UJ	55 U	53 U	NS	63 U	59 U
Dinoseb	ug/Kg 27 U	28 U R	28 UJ	29 U R	29 UJ	28 U	27 U	NS	32 U	30 U
MCPA	ug/Kg 5400 U	5500 U R	5500 UJ	5700 U R	5700 UJ	5500 U	5300 U	NS	6300 U	5900 U
MCPP	ug/Kg 5400 U	5500 U R	5500 UJ	5700 U R	5700 UJ	5500 U	5300 U	NS	6300 U	5900 U
NITROAROMATICS										
HMX	ug/Kg 130 UJ	NS	NS	NS	NS	NS	NS	NS	NS	NS
RDX	ug/Kg 130 UJ	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trinitrobenzene	ug/Kg 130 UJ	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dinitrobenzene	ug/Kg 130 UJ	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetryl	ug/Kg 130 UJ	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,6-Trinitrotoluene	ug/Kg 130 UJ	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-amino-2,6-Dinitrotoluene	ug/Kg 130 UJ	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-amino-4,6-Dinitrotoluene	ug/Kg 130 UJ	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,6-Dinitrotoluene	ug/Kg 130 UJ	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dinitrotoluene	ug/Kg 130 UJ	NS	NS	NS	NS	NS	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-26 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID	SOIL SEAD-26 0-0.2 10/25/93 SS26-8 202254	SOIL SEAD-26 0-2 11/17/93 SB26-1.1 204829	SOIL SEAD-26 0-2 11/17/93 SB26-1.1RE 204829	SOIL SEAD-26 2-4 11/17/93 SB26-1.2 204830	SOIL SEAD-26 2-4 11/17/93 SB26-1.2RE 204830	SOIL SEAD-26 0-2 11/18/93 SB26-2.1 205095	SOIL SEAD-26 0-2 11/18/93 SB26-2.5 205096 SB26-2.1DUP	SOIL SEAD-26 0-2 11/18/93 SB26-2.5RE 205096 SB26-2.1DUP	SOIL SEAD-26 8-10 11/18/93 SB26-2.6 205097	SOIL SEAD-26 10-12 11/18/93 SB26-2.7 205098
SEMIVOLATILE ORGANICS										
Phend	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
bis(2-Chloroethyl) ether	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
2-Chlorophend	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
1,3-Dichlorobenzene	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
1,4-Dichlorobenzene	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
1,2-Dichlorobenzene	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
2-Methylphend	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
2,2'-oxybis(1-Chloropropane)	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
4-Methylphend	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
N-Nitroso-d-n-propylamine	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
Hexachloroethane	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
Nitrobenzene	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
Isophorone	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
2-Nitrophend	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
2,4-Dimethylphend	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
bis(2-Chloroethoxy) methane	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
2,4-Dichlorophenol	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
1,2,4-Trichlorobenzene	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
Naphthalene	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
4-Chloroaniline	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
Hexachlorobutadiene	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
4-Chloro-3-methylphenol	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
2-Methylnaphthalene	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
Hexachlorocyclopentadiene	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
2,4,6-Trichlorophenol	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
2,4,5-Trichlorophenol	ug/Kg 850 U	880 U	NS	920 U	NS	880 U	850 U	NS	990 U	940 U
2-Chloronaphthalene	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
2-Nitroaniline	ug/Kg 850 U	880 U	NS	920 U	NS	880 U	850 U	NS	990 U	940 U
Dimethylphthalate	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
Aceraphthylene	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
2,6-Dinitrotoluene	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
3-Nitroaniline	ug/Kg 850 U	880 U	NS	920 U	NS	880 U	850 U	NS	990 U	940 U
Aceraphthene	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
2,4-Dinitrophend	ug/Kg 850 U	880 U	NS	920 U	NS	880 U	850 U	NS	990 U	940 U
4-Nitrophend	ug/Kg 850 U	880 U	NS	920 U	NS	880 U	850 U	NS	990 U	940 U
Dibenzofuran	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
2,4-Dinitrotoluene	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
Diethylphthalate	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
4-Chlorophenyl-phenylether	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
Fluorene	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
4-Nitroaniline	ug/Kg 850 U	880 U	NS	920 U	NS	880 U	850 U	NS	990 U	940 U
4,6-Dinitro-2-methylphenol	ug/Kg 850 U	880 U	NS	920 U	NS	880 U	850 U	NS	990 U	940 U
N-Nitrosodiphenylamine	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
4-Bromophenyl-phenylether	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
Hexachlorobenzene	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
Pentachlorophend	ug/Kg 850 U	880 U	NS	920 U	NS	880 U	850 U	NS	990 U	940 U
Phenanthrene	ug/Kg 140 J	24 J	NS	380 U	NS	31 J	22 J	NS	410 U	390 U
Anthracene	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
Carbazole	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
Di-n-butylphthalate	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
Fluoranthene	ug/Kg 310 J	69 J	NS	380 U	NS	52 J	30 J	NS	410 U	390 U
Pyrene	ug/Kg 250 J	56 J	NS	380 U	NS	44 J	48 J	NS	410 U	390 U
Butylbenzylphthalate	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
3,3'-Dichlorobenzidine	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
Benzof(a)anthracene	ug/Kg 130 J	31 J	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
Chrysene	ug/Kg 150 J	42 J	NS	380 U	NS	360 U	27 J	NS	410 U	390 U
bis(2-Ethylhexyl)phthalate	ug/Kg 53 J	360 U	NS	380 U	NS	700	660	NS	410 U	500 U
Di-n-octylphthalate	ug/Kg 350 U	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
Benzof(b)fluoranthene	ug/Kg 130 J	36 J	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
Benzof(k)fluoranthene	ug/Kg 130 J	36 J	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
Benzof(a)pyrene	ug/Kg 130 J	34 J	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
Indeno(1,2,3-cd)pyrene	ug/Kg 66 J	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
Dibenz(a,h)anthracene	ug/Kg 30 J	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U
Benzof(g,h,i)perylene	ug/Kg 100 J	360 U	NS	380 U	NS	360 U	350 U	NS	410 U	390 U

SENECA ARMY DEPOT
SEAD-26 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-26 0-0.2 10/25/93 SS26-8 202254	SOIL SEAD-26 0-2 11/17/93 SB26-1.1 204829	SOIL SEAD-26 0-2 11/17/93 SB26-1.1RE 204829	SOIL SEAD-26 2-4 11/17/93 SB26-1.2 204830	SOIL SEAD-26 2-4 11/17/93 SB26-1.2RE 204830	SOIL SEAD-26 0-2 11/18/93 SB26-2.1 205095	SOIL SEAD-26 0-2 11/18/93 SB26-2.5 205096 SB26-2.1DUP	SOIL SEAD-26 0-2 11/18/93 SB26-2.5RE 205096 SB26-2.1DUP	SOIL SEAD-26 8-10 11/18/93 SB26-2.6 205097	SOIL SEAD-26 10-12 11/18/93 SB26-2.7 205098
PESTICIDES/PCB											
alpha-BHC	ug/Kg	1.8 U	1.9 U	NS	2 U	NS	1.9 U	1.8 U	NS	2.1 U	2 U
beta-BHC	ug/Kg	1.8 U	1.9 U	NS	2 U	NS	1.9 U	1.8 U	NS	2.1 U	2 U
delta-BHC	ug/Kg	1.8 U	1.9 U	NS	2 U	NS	1.9 U	1.8 U	NS	2.1 U	2 U
gamma-BHC (Lindane)	ug/Kg	1.8 U	1.9 U	NS	2 U	NS	1.9 U	1.8 U	NS	2.1 U	2 U
Heptachlor	ug/Kg	1.8 U	1.9 U	NS	2 U	NS	1.9 U	1.8 U	NS	2.1 U	2 U
Aldrin	ug/Kg	1.8 U	1.9 U	NS	2 U	NS	1.9 U	1.8 U	NS	2.1 U	2 U
Heptachlor epoxide	ug/Kg	1.8 U	1.9 U	NS	2 U	NS	1.9 U	1.8 U	NS	2.1 U	2 U
Endosulfan I	ug/Kg	1.8 U	1.9 U	NS	2 U	NS	1.9 U	1.8 U	NS	2.1 U	2 U
Dieldrin	ug/Kg	3.5 U	3.6 U	NS	3.8 U	NS	3.6 U	3.5 U	NS	4.1 U	3.9 U
4,4'-DDE	ug/Kg	3.5 U	3 J	NS	3.8 U	NS	2.7 J	3.2 J	NS	4.1 U	3.9 U
Endrin	ug/Kg	3.5 U	3.6 U	NS	3.8 U	NS	3.6 U	3.5 U	NS	4.1 U	3.9 U
Endosulfan II	ug/Kg	3.5 U	3.6 U	NS	3.8 U	NS	3.6 U	3.5 U	NS	4.1 U	3.9 U
4,4'-DDD	ug/Kg	3.5 U	3.6 U	NS	3.8 U	NS	3.6 U	3.5 U	NS	4.1 U	3.9 U
Endosulfan sulfate	ug/Kg	3.5 U	3.6 U	NS	3.8 U	NS	3.6 U	3.5 U	NS	4.1 U	3.9 U
4,4'-DDT	ug/Kg	3.5 U	3.5 J	NS	3.8 U	NS	3.6 U	3.5 U	NS	4.1 U	3.9 U
Methoxychlor	ug/Kg	18 U	19 U	NS	20 U	NS	19 U	18 U	NS	21 U	20 U
Endrin ketone	ug/Kg	3.5 U	3.6 U	NS	3.8 U	NS	3.6 U	3.5 U	NS	4.1 U	3.9 U
Endrin aldehyde	ug/Kg	3.5 U	3.6 U	NS	3.8 U	NS	3.6 U	3.5 U	NS	4.1 U	3.9 U
alpha-Chlordane	ug/Kg	1.8 U	1.9 U	NS	2 U	NS	1.9 U	1.8 U	NS	2.1 U	2 U
gamma-Chlordane	ug/Kg	1.8 U	1.9 U	NS	2 U	NS	1.9 U	1.8 U	NS	2.1 U	2 U
Toxaphene	ug/Kg	180 U	190 U	NS	200 U	NS	190 U	180 U	NS	210 U	200 U
Aroclor-1016	ug/Kg	35 U	36 U	NS	38 U	NS	36 U	35 U	NS	41 U	39 U
Aroclor-1221	ug/Kg	72 U	74 U	NS	77 U	NS	73 U	71 U	NS	82 U	79 U
Aroclor-1232	ug/Kg	35 U	36 U	NS	38 U	NS	36 U	35 U	NS	41 U	39 U
Aroclor-1242	ug/Kg	35 U	36 U	NS	38 U	NS	36 U	35 U	NS	41 U	39 U
Aroclor-1246	ug/Kg	35 U	36 U	NS	38 U	NS	36 U	35 U	NS	41 U	39 U
Aroclor-1254	ug/Kg	35 U	36 U	NS	38 U	NS	36 U	35 U	NS	41 U	39 U
Aroclor-1260	ug/Kg	35 U	36 U	NS	38 U	NS	36 U	35 U	NS	41 U	39 U
METALS											
Aluminum	mg/Kg	9400	5560	NS	9040	NS	5230	7900	NS	21000	14200
Antimony	mg/Kg	7.4 UJ	7.3 UJ	NS	6.7 UJ	NS	9.1 UJ	8.8 UJ	NS	11.5 UJ	11.5 UJ
Arsenic	mg/Kg	7.5	3.2	NS	5.3	NS	6.5 J	5.3 J	NS	8.8 J	7.6 J
Barium	mg/Kg	36.1	73.2	NS	43.7	NS	21.1 J	102 J	NS	83.6	90.8
Beryllium	mg/Kg	0.47 J	0.35 J	NS	0.41 J	NS	0.32 J	0.46 J	NS	0.97 J	0.67 J
Cadmium	mg/Kg	0.46 U	0.46 U	NS	0.42 U	NS	0.57 U	0.55 U	NS	0.72 U	0.72 U
Calcium	mg/Kg	157000	293000	NS	47300	NS	238000	189000	NS	2090	17800
Chromium	mg/Kg	15.2	10.3	NS	15.7	NS	8.8	13.9	NS	32.4	21.9
Cobalt	mg/Kg	8.4	5.9 J	NS	9.5	NS	5.6 J	10.1	NS	17.5	11
Copper	mg/Kg	22.5	9.7	NS	14.3	NS	10.6	14.3	NS	24.4	24
Iron	mg/Kg	17200	8770	NS	19100	NS	11400	15500	NS	44100	33700
Lead	mg/Kg	16.1	6.33	NS	8.5	NS	10.3	15.5	NS	10.3	27
Magnesium	mg/Kg	8460	29100	NS	9160	NS	7790	18100	NS	7210	4700
Manganese	mg/Kg	297	309	NS	551	NS	442	433	R	279	712
Mercury	mg/Kg	0.09	0.02 U	NS	0.02 U	NS	0.03 UJ	0.03 UJ	NS	0.05 J	0.03 UJ
Nickel	mg/Kg	31.6	16.3	NS	23.9	NS	17.5	29.2	NS	46.2	32.4
Potassium	mg/Kg	1970	1710	NS	901	NS	882	1710	NS	1490	1960
Selenium	mg/Kg	0.15 J	0.13 UJ	NS	0.26 J	NS	0.14 UJ	0.14 UJ	NS	0.32 J	0.16 UJ
Silver	mg/Kg	0.94 UJ	0.92 UJ	NS	0.85 UJ	NS	1.2 U	1.1 U	NS	1.5 U	1.5 U
Sodium	mg/Kg	183 J	192 J	NS	108 J	NS	163 J	175 J	NS	67.1 J	220 J
Thallium	mg/Kg	1.5 UJ	0.73 U	NS	0.17 U	NS	0.2 U	1 U	NS	0.28 U	0.24 U
Vanadium	mg/Kg	17.4	12.7	NS	14.4	NS	10.9	15.9	NS	28	27.4
Zinc	mg/Kg	283	56	NS	90.6	NS	29.5	54.8	NS	69.3	201
Cyanide	mg/Kg	0.54 U	0.46 U	NS	0.57 U	NS	0.53 U	0.5 U	NS	0.6 U	0.48 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg	0.09	0.43	NS	0.48	NS	0.05	0.1	NS	0.26	2.2
Total Solids	%W/W	92.8	91.2	NS	87.1	NS	91.1	93.6	NS	80.5	84.9
Total Petroleum Hydrocarbons	mg/Kg	260	43	NS	38	NS	42	57	NS	74	52
Fluoride	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
pH	standard units	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

SENECA ARMY DEPOT
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MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-26 0-2 11/18/93 SB26-3.1 205099	SOIL SEAD-26 6-8 11/18/93 SB26-3.4 205100	SOIL SEAD-26 10-12 11/18/93 SB26-3.6 205101	SOIL SEAD-26 0-2 11/19/93 SB26-4.1 205102	SOIL SEAD-26 2-4 11/19/93 SB26-4.2 205103	SOIL SEAD-26 6-8 11/19/93 SB26-4.4 205104	SOIL SEAD-26 0-0.7 11/18/93 TP26-1.1 205105	SOIL SEAD-26 5.0+ 11/18/93 TP26-1.2 205106	SOIL SEAD-26 0-0.7 11/18/93 TP26-2.1 205113	SOIL SEAD-26 5.0+ 11/18/93 TP26-2.2 205114
VOLATILE ORGANICS										
Chloromethane	12 U	12 U	13 U	11 U	11 U	12 U	11 U	12 U	11 U	12 U
Bromomethane	12 U	12 U	13 U	11 U	11 U	12 U	11 U	12 U	11 U	12 U
Vinyl Chloride	12 U	12 U	13 U	11 U	11 U	12 U	11 U	12 U	11 U	12 U
Chloroethane	12 U	12 U	13 U	11 U	11 U	12 U	11 U	12 U	11 U	12 U
Methylene Chloride	12 U	12 U	13 U	11 U	11 U	12 U	11 U	12 U	11 U	12 U
Acetone	12 U	12 U	13 U	11 U	11 U	12 U	11 U	12 U	11 U	12 U
Carbon Disulfide	12 U	12 U	13 U	11 U	11 U	12 U	11 U	12 U	11 U	78
1,1-Dichloroethane	12 U	12 U	13 U	11 U	11 U	12 U	11 U	12 U	11 U	12 U
1,1-Dichloroethane	12 U	12 U	13 U	11 U	11 U	12 U	11 U	12 U	11 U	12 U
1,2-Dichloroethane (total)	12 U	12 U	13 U	11 U	11 U	12 U	11 U	12 U	11 U	12 U
Chloroform	12 U	12 U	13 U	11 U	11 U	12 U	11 U	12 U	11 U	12 U
1,2-Dichloroethane	12 U	12 U	13 U	11 U	11 U	12 U	11 U	12 U	11 U	12 U
2-Butanone	12 U	12 U	13 U	11 U	11 U	12 U	11 U	12 U	11 U	12 U
1,1,1-Trichloroethane	12 U	12 U	13 U	11 U	11 U	12 U	11 U	12 U	11 U	19
Carbon Tetrachloride	12 U	12 U	13 U	11 U	11 U	12 U	11 U	12 U	11 U	12 U
Bromodichloromethane	12 U	12 U	13 U	11 U	11 U	12 U	11 U	12 U	11 U	12 U
1,2-Dichloropropane	12 U	12 U	13 U	11 U	11 U	12 U	11 U	12 U	11 U	12 U
cis-1,3-Dichloropropene	12 U	12 U	13 U	11 U	11 U	12 U	11 U	12 U	11 U	12 U
Trichloroethene	12 U	12 U	13 U	11 U	11 U	12 U	11 U	12 U	11 U	12 U
Dibromochloromethane	12 U	12 U	13 U	11 U	11 U	12 U	11 U	12 U	11 U	12 U
1,1,2-Trichloroethane	12 U	12 U	13 U	11 U	11 U	12 U	11 U	12 U	11 U	12 U
Benzene	12 U	12 U	13 U	11 U	11 U	12 U	11 U	12 U	11 U	12 U
trans-1,3-Dichloropropene	12 U	12 U	13 U	11 U	11 U	12 U	11 U	12 U	11 U	12 U
Bromoform	12 U	12 U	13 U	11 U	11 U	12 U	11 U	12 U	11 U	12 U
4-Methyl-2-Pentanone	12 U	12 U	13 U	11 U	11 U	12 U	11 U	12 U	11 U	12 U
2-Hexanone	12 U	12 U	13 U	11 U	11 U	12 U	11 U	12 U	11 U	12 U
Tetrachloroethene	12 U	12 U	13 U	11 U	11 U	12 U	11 U	12 U	11 U	12 U
1,1,2,2-Tetrachloroethane	12 U	12 U	13 U	11 U	11 U	12 U	11 U	12 U	11 U	12 U
Toluene	12 U	12 U	13 U	11 U	11 U	12 U	11 U	12 U	11 U	12 U
Chlorobenzene	12 U	12 U	13 U	11 U	11 U	12 U	11 U	12 U	11 U	12 U
Ethylbenzene	12 U	12 U	13 U	11 U	11 U	12 U	11 U	12 U	11 U	12 U
Styrene	12 U	12 U	13 U	11 U	11 U	12 U	11 U	12 U	11 U	12 U
Xylene (total)	12 U	12 U	13 U	11 U	11 U	12 U	11 U	12 U	11 U	12 U
MTBE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
HERBICIDES										
2,4-D	58 U	61 U	58 U	57 U	56 U	58 U	57 U	57 U	54 U	62 U
2,4-DB	58 U	61 U	58 U	57 U	56 U	58 U	57 U	57 U	54 U	62 U
2,4,5-T	5.8 U	6.1 U	5.8 U	5.7 U	5.6 U	5.8 U	5.7 U	5.7 U	5.4 U	6.2 U
2,4,5-TP (Silvex)	5.8 U	6.1 U	5.8 U	5.7 U	5.6 U	5.8 U	5.7 U	5.7 U	5.4 U	6.2 U
Dalapon	140 U	150 U	140 U	140 U	140 U	140 U	140 U	140 U	130 U	150 U
Dicamba	5.8 U	6.1 U	5.8 U	5.7 U	5.8 U	5.8 U	9.1 U	5.7 U	5.4 U	6.2 U
Dichloroprop	58 U	61 U	58 U	57 U	56 U	58 U	57 U	57 U	54 U	62 U
Dinoseb	29 U	31 U	29 U	29 U	28 U	29 U	27 U	29 U	27 U	31 U
MCPA	5800 U	6100 U	5800 U	5700 U	29000 U	5800 U	6100 U	5700 U	5400 U	6200 U
MCPP	5800 U	6100 U	5800 U	5700 U	5600 U	5800 U	5700 U	5700 U	5400 U	6200 U
NITROAROMATICS										
HMX	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
RDX	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trinitrobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dinitrobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetryl	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,6-Trinitrotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-amino-2,6-Dinitrotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-amino-4,6-Dinitrotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,6-Dinitrotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dinitrotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

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SEMIVOLATILE ORGANICS											
Phend ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
bis(2-Chloroethyl) ether ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
2-Chlorophend ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
1,3-Dichlorobenzene ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
1,4-Dichlorobenzene ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
1,2-Dichlorobenzene ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
2-Methylphend ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
2,2'-oxybis(1-Chloropropane) ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
4-Methylphend ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
N-Nitroso-di-n-propylamine ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
Hexachloroethane ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
Nitrobenzene ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
Isophorone ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
2-Nitrophenol ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
2,4-Dimethylphend ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
bis(2-Chloroethyl) methane ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
2,4-Dichlorophenol ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
1,2,4-Trichlorobenzene ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
Naphthalene ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
4-Chloroaniline ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
Hexachlorobutadiene ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
4-Chloro-3-methylphenol ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
2-Methylnaphthalene ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
Hexachlorocyclopentadiene ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
2,4,6-Trichlorophenol ug/Kg	380 U	980 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
2,4,5-Trichlorophenol ug/Kg	930 U	980 U	930 UJ	910 U	900 U	930 U	6100 U	910 U	5800 U	990 U	
2-Chloronaphthalene ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
2-Nitroaniline ug/Kg	930 U	980 U	930 UJ	910 U	900 U	930 U	6100 U	910 U	5800 U	990 U	
Dimethylphthalate ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
Acenaphthylene ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
2,6-Dinitrotoluene ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
3-Nitroaniline ug/Kg	930 U	980 U	930 UJ	910 U	900 U	930 U	6100 U	910 U	5800 U	990 U	
Acenaphthene ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
2,4-Dinitrophenol ug/Kg	930 U	980 U	930 UJ	910 U	900 U	930 U	6100 U	910 U	5800 U	990 U	
4-Nitrophenol ug/Kg	930 U	980 U	930 UJ	910 U	900 U	930 U	6100 U	910 U	5800 U	990 U	
Dibenzofuran ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
2,4-Dinitrotoluene ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
Diethylphthalate ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
4-Chlorophenyl-phenylether ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
Fluorene ug/Kg	380 U	22 J	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
4-Nitroaniline ug/Kg	930 U	980 U	930 UJ	910 U	900 U	930 U	6100 U	910 U	5800 U	990 U	
4,6-Dinitro-2-methylphenol ug/Kg	930 U	980 U	930 UJ	910 U	900 U	930 U	6100 U	910 U	5800 U	990 U	
N-Nitrosodiphenylamine ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
4-Bromophenyl-phenylether ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
Hexachlorobenzene ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
Pentachlorophend ug/Kg	930 U	980 U	930 UJ	910 U	900 U	930 U	6100 U	910 U	5800 U	990 U	
Phenanthrene ug/Kg	380 U	190 J	380 UJ	370 U	370 U	64 J	2500 U	370 U	2400 U	120 J	
Anthracene ug/Kg	380 U	45 J	380 UJ	370 U	370 U	380 UJ	2500 U	370 U	2400 U	22 J	
Carbazole ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
Di-n-butylphthalate ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
Fluoranthene ug/Kg	380 U	170 J	380 UJ	24 J	370 U	71 J	2500 U	370 U	300 J	170 J	
Pyrene ug/Kg	380 U	130 J	380 UJ	30 J	370 U	64 J	2500 U	370 U	250 J	130 J	
Butylbenzylphthalate ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
3,3'-Dichlorobenzidine ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
Benzo(a)anthracene ug/Kg	380 U	65 J	380 UJ	370 U	370 U	28 J	2500 U	370 U	160 J	71 J	
Chrysene ug/Kg	380 U	69 J	380 UJ	370 U	370 U	46 J	2500 U	370 U	180 J	97 J	
bis(2-Ethylhexyl)phthalate ug/Kg	380 U	400 U	230 J	930	820	380 U	2500 U	370 U	2400 U	410 U	
Di-n-octylphthalate ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	
Benzo(b)fluoranthene ug/Kg	380 U	42 J	380 UJ	370 U	370 U	33 J	2500 U	370 U	130 J	83 J	
Benzo(k)fluoranthene ug/Kg	380 U	51 J	380 UJ	370 U	370 U	41 J	2500 U	370 U	190 J	75 J	
Benzo(a)pyrene ug/Kg	380 U	55 J	380 UJ	370 U	370 U	40 J	2500 U	370 U	200 J	86 J	
Indeno(1,2,3-cd)pyrene ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	69 J	
Dibenz(a,h)anthracene ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	29 J	
Benzo(g,h,i)perylene ug/Kg	380 U	400 U	380 UJ	370 U	370 U	380 U	2500 U	370 U	2400 U	410 U	

SENECA ARMY DEPOT
SEAD-26 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID COMPOUND	SOIL SEAD-26 0-2 11/18/93 SB26-3.1 205099	SOIL SEAD-26 6-8 11/18/93 SB26-3.4 205100	SOIL SEAD-26 10-12 11/18/93 SB26-3.6 205101	SOIL SEAD-26 0-2 11/19/93 SB26-4.1 205102	SOIL SEAD-26 2-4 11/19/93 SB26-4.2 205103	SOIL SEAD-26 6-8 11/19/93 SB26-4.4 205104	SOIL SEAD-26 0-0.7 11/18/93 TP26-1.1 205105	SOIL SEAD-26 5.0+ 11/18/93 TP26-1.2 205106	SOIL SEAD-26 0-0.7 11/18/93 TP26-2.1 205113	SOIL SEAD-26 5.0+ 11/18/93 TP26-2.2 205114	
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2 U	2.1 U	2 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.8 U	2.1 U
beta-BHC	ug/Kg	2 U	2.1 U	2 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.8 U	2.1 U
delta-BHC	ug/Kg	2 U	2.1 U	2 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.8 U	2.1 U
gamma-BHC (Lindane)	ug/Kg	2 U	2.1 U	2 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.8 U	2.1 U
Heptachlor	ug/Kg	2 U	2.1 U	2 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.8 U	2.1 U
Aldrin	ug/Kg	2 U	2.1 U	2 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.8 U	2.1 U
Heptachlor epoxide	ug/Kg	2 U	2.1 U	2 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.8 U	2.1 U
Endosulfan I	ug/Kg	2 U	2.1 U	2 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.8 U	2.1 U
Dieldrin	ug/Kg	3.8 U	4 U	3.8 U	3.7 U	3.7 U	3.8 U	3.7 U	3.7 U	3.6 U	4.1 U
4,4'-DDE	ug/Kg	3.8 U	4 U	3.8 U	3.7 U	3.7 U	3.8 U	6.4	3.7 U	3.6 U	4.1 U
Endrin	ug/Kg	3.8 U	4 U	3.8 U	3.7 U	3.7 U	3.8 U	3.7 U	3.7 U	3.6 U	4.1 U
Endosulfan II	ug/Kg	3.8 U	4 U	3.8 U	3.7 U	3.7 U	3.8 U	3.7 U	3.7 U	3.6 U	4.1 U
4,4'-DDD	ug/Kg	3.8 U	4 U	3.8 U	3.7 U	3.7 U	3.8 U	3.7 U	3.7 U	3.6 U	4.1 U
Endosulfan sulfate	ug/Kg	3.8 U	4 U	3.8 U	3.7 U	3.7 U	3.8 U	3.7 U	3.7 U	3.6 U	4.1 U
4,4'-DDT	ug/Kg	3.8 U	4 U	3.8 U	3.7 U	3.7 U	3.8 U	3.7 U	3.7 U	3.6 U	4.1 U
Methoxychlor	ug/Kg	20 U	21 U	20 U	19 U	19 U	20 U	19 U	19 U	18 U	21 U
Endrin ketone	ug/Kg	3.8 U	4 U	3.8 U	3.7 U	3.7 U	3.8 U	3.7 U	3.7 U	3.6 U	4.1 U
Endrin aldehyde	ug/Kg	3.8 U	4 U	3.8 U	3.7 U	3.7 U	3.8 U	3.7 U	3.7 U	3.6 U	4.1 U
alpha-Chlordane	ug/Kg	2 U	2.1 U	2 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.8 U	2.1 U
gamma-Chlordane	ug/Kg	2 U	2.1 U	2 U	1.9 U	1.9 U	2 U	1.9 U	1.9 U	1.8 U	2.1 U
Toxaphene	ug/Kg	200 U	210 U	200 U	190 U	190 U	200 U	190 U	190 U	180 U	210 U
Aroclor-1016	ug/Kg	38 U	40 U	38 U	37 U	37 U	38 U	37 U	37 U	36 U	41 U
Aroclor-1221	ug/Kg	78 U	81 U	78 U	76 U	75 U	78 U	76 U	76 U	73 U	83 U
Aroclor-1232	ug/Kg	38 U	40 U	38 U	37 U	37 U	38 U	37 U	37 U	36 U	41 U
Aroclor-1242	ug/Kg	38 U	40 U	38 U	37 U	37 U	38 U	37 U	37 U	36 U	41 U
Aroclor-1248	ug/Kg	38 U	40 U	38 U	37 U	37 U	38 U	37 U	37 U	36 U	41 U
Aroclor-1254	ug/Kg	38 U	40 U	38 U	37 U	37 U	38 U	37 U	37 U	36 U	41 U
Aroclor-1260	ug/Kg	38 U	40 U	38 U	37 U	37 U	38 U	37 U	37 U	36 U	41 U
METALS											
Aluminum	mg/Kg	13700	14400	12900	14300	13800	15300	13100	10000	10000	13200
Antimony	mg/Kg	10.4 UJ	12.5 UJ	8.6 UJ	9.2 UJ	9.3 UJ	11.4 UJ	8 UJ	10.5 UJ	9.1 UJ	12.3 UJ
Arsenic	mg/Kg	8.3 J	8.4 J	8.7 J	13 J	10.3 J	10.2 J	6.8 J	5.9 J	10 J	6.4 J
Barium	mg/Kg	77.1	93.2	57.5	87.3	62.4	74.3	105	67.3	38.2	119
Beryllium	mg/Kg	0.69 J	0.66 J	0.61 J	0.67 J	0.61 J	0.73 J	0.62 J	0.47 J	0.48 J	0.7 J
Cadmium	mg/Kg	0.65 U	0.78 U	0.41 U	0.57 U	0.58 U	0.71 U	0.5 U	0.66 U	0.57 U	0.77 U
Calcium	mg/Kg	25600	20100	2820	28000	17500	14500	18500	65400	9330	41800
Chromium	mg/Kg	20.7	20.9	21.4	22.7	22.2	23.5	20.2	15.2	16.5	19.7
Cobalt	mg/Kg	10.8	7.9 J	11.8	15.8	12	14.8	12.5	8.7 J	10	11.4 J
Copper	mg/Kg	20.6	18.3	23.2	28.6	18.9	24.1	18	23.5	13.9	23.5
Iron	mg/Kg	28400	25900	29800	31700	29000	33200	28300	20400	22200	25500
Lead	mg/Kg	20.7	14.9	10.5	14.8	11.7	13.1	13.6	11.9	6.5	66.8
Magnesium	mg/Kg	8780	4810	5290	6910	6330	6290	5340	15300	4720	5030
Manganese	mg/Kg	466 R	581 R	486 R	696 R	541 R	668 R	814 R	433 R	461 R	951 R
Mercury	mg/Kg	0.03 J	0.03 J	0.03 J	0.04 J	0.04 J	0.03 J	0.04 UJ	0.03 UJ	0.01 UJ	0.11 J
Nickel	mg/Kg	29.7	29.1	34.7	35.2	32.8	38.5	31.1	28.7	25.5	30.2
Potassium	mg/Kg	1140	1130 J	1110	1370	1140	1390	950	1180	573 J	1640
Selenium	mg/Kg	0.48 J	0.79 J	0.16 UJ	0.37 J	0.58 J	0.28 J	0.25 J	0.57 J	0.31 J	0.72 J
Silver	mg/Kg	1.3 U	1.6 U	0.84 U	1.2 U	1.2 U	1.4 U	1 U	1.1 U	1.1 U	1.6 U
Sodium	mg/Kg	71.6 J	60.9 J	56.8 J	119 J	87.8 J	78 J	60.9 J	110 J	56.7 J	93.8 J
Thallium	mg/Kg	0.21 U	0.26 U	0.27 U	0.23 U	0.14 U	0.26 U	0.2 U	0.25 U	0.23 U	0.29 U
Vanadium	mg/Kg	22.2	21.8	19.5	20.1	18.6	22.2	18.5	16.3	12.8	21.1
Zinc	mg/Kg	64.9	78.2	72.5	84.9	72.4	115	80.7	60.1	59.6	135
Cyanide	mg/Kg	0.57 U	0.59 U	0.56 U	0.53 U	0.54 U	0.52 U	0.54 U	0.49 U	0.49 U	0.59 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg	0.14	1.08	0.07	0.75	0.37	1.55	0.32	0.72	0.03	0.5
Total Solids	%W/W	85.7	82	86.1	88.3	89	85.8	87.7	88.3	91.8	80.7
Total Petroleum Hydrocarbons	mg/Kg	69	71	74	90	65	66	87	71	72	230
Fluoride	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
pH	standard units	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-26 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-26 0-1 11/17/93 TP26-3.1 204832	SOIL SEAD-26 0-1 11/17/93 TP26-3.1RE 204832	SOIL SEAD-26 6.5-7.2 11/17/93 TP26-3.2 204833	SOIL SEAD-26 6.5-7.2 SURFACE 11/17/93 TP26-3.2RE 204833	SOIL SEAD-26 SURFACE 11/17/93 TP26-4.1 204834	SOIL SEAD-26 SURFACE 11/17/93 TP26-4.1RE 204834	SOIL SEAD-26 FILL 11/17/93 TP26-4.2 204835	SOIL SEAD-26 FILL 11/17/93 TP26-4.2RE 204835	SOIL SEAD-26 SURFACE 11/17/93 TP26-5.1 204836	SOIL SEAD-26 SURFACE 11/17/93 TP26-5.1RE 204836
VOLATILE ORGANICS											
Chloromethane	ug/Kg	12 U	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
Bromomethane	ug/Kg	12 U	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
Vinyl Chloride	ug/Kg	12 U	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
Chloroethane	ug/Kg	12 U	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
Methylene Chloride	ug/Kg	12 U	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
Acetone	ug/Kg	12 U	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
Carbon Disulfide	ug/Kg	12 U	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
1,1-Dichloroethane	ug/Kg	12 U	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
1,1-Dichloroethane	ug/Kg	12 U	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
1,2-Dichloroethane (total)	ug/Kg	12 U	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
Chloroform	ug/Kg	12 U	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
1,2-Dichloroethane	ug/Kg	12 U	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
2-Butanone	ug/Kg	12 U	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
1,1,1-Trichloroethane	ug/Kg	12 U	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
Carbon Tetrachloride	ug/Kg	12 U	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
Bromochloromethane	ug/Kg	12 U	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
1,2-Dichloropropane	ug/Kg	12 U	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
cis-1,3-Dichloropropene	ug/Kg	12 U	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
Trichloroethene	ug/Kg	12 U	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
Dibromochloromethane	ug/Kg	12 U	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
1,1,2-Trichloroethane	ug/Kg	12 U	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
Benzene	ug/Kg	12 U	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
trans-1,3-Dichloropropene	ug/Kg	12 U	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
Bromoform	ug/Kg	12 U	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
4-Methyl-2-Pentanone	ug/Kg	12 U	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
2-Hexanone	ug/Kg	12 U	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
Tetrachloroethene	ug/Kg	12 U	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
Toluene	ug/Kg	12 U	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
Chlorobenzene	ug/Kg	12 U	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
Ethylbenzene	ug/Kg	12 U	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
Styrene	ug/Kg	12 U	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
Xylene (total)	ug/Kg	12 U	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
MTBE	ug/Kg	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS
HERBICIDES											
2,4-D	ug/Kg	61 U R	61 UJ	61 U R	61 UJ	58 U R	58 UJ	55 U R	55 UJ	60 U R	60 UJ
2,4-DB	ug/Kg	61 U R	61 UJ	61 U R	61 UJ	58 U R	58 UJ	55 U R	55 UJ	60 U R	60 UJ
2,4,5-T	ug/Kg	6.1 U R	6.1 UJ	6.1 U R	6.1 UJ	5.8 U R	5.8 UJ	5.5 U R	5.5 UJ	6 U R	6 UJ
2,4,5-TP (Silvex)	ug/Kg	6.1 U R	6.1 UJ	6.1 U R	6.1 UJ	5.8 U R	5.8 UJ	5.5 U R	5.5 UJ	6 U R	6 UJ
Dalapon	ug/Kg	150 U R	150 UJ	150 U R	150 UJ	140 U R	140 UJ	140 U R	140 UJ	150 U R	150 UJ
Dicamba	ug/Kg	6.1 U R	6.1 UJ	6.1 U R	6.1 UJ	5.8 U R	5.8 UJ	5.5 U R	5.5 UJ	6 U R	6 UJ
Dichloroprop	ug/Kg	61 U R	61 UJ	61 U R	61 UJ	58 U R	58 UJ	55 U R	55 UJ	60 U R	60 UJ
Dinoseb	ug/Kg	31 U R	31 UJ	31 U R	31 UJ	29 U R	29 UJ	28 U R	28 UJ	30 U R	30 UJ
MCPA	ug/Kg	6100 U R	6100 UJ	6100 U R	6100 UJ	5800 U R	5800 UJ	5500 U R	5500 UJ	6000 U R	6000 UJ
MCPP	ug/Kg	6100 U R	6100 UJ	13000 R	6100 UJ	5800 U R	5800 UJ	5500 U R	5500 UJ	6000 U R	6000 UJ
NITROAROMATICS											
HMX	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
RDX	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
1,3,5-Trinitrobenzene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
1,3-Dinitrobenzene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
Tetryl	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
2,4,6-Trinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
4-amino-2,6-Dinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
2-amino-4,6-Dinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
2,6-Dinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
2,4-Dinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS

SENECA ARMY DEPOT
SEAD-26 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

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SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
bis(2-Chloroethyl) ether	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
2-Chlorophenol	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
1,3-Dichlorobenzene	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
1,4-Dichlorobenzene	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
1,2-Dichlorobenzene	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
2-Methylphenol	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
2,2'-oxybis(1-Chloropropane)	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
4-Methylphenol	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
N-Nitroso-d-n-propylamine	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
Hexachloroethane	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
Nitrobenzene	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
Isophorone	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
2-Nitrophenol	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
2,4-Dimethylphenol	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
bis(2-Chloroethoxy) methane	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
2,4-Dichlorophenol	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
1,2,4-Trichlorobenzene	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
Naphthalene	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
4-Chloroaniline	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
Hexachlorobutadiene	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
4-Chloro-3-methylphenol	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
2-Methylnaphthalene	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
Hexachlorocyclopentadiene	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
2,4,6-Trichlorophenol	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
2,4,5-Trichlorophenol	ug/Kg	980 U	NS	980 U	NS	930 U	NS	890 U	NS	950 U	NS
2-Chloronaphthalene	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
2-Nitroaniline	ug/Kg	980 U	NS	980 U	NS	930 U	NS	890 U	NS	950 U	NS
Dimethylphthalate	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
Acenaphthylene	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
2,6-Dinitrotoluene	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
3-Nitroaniline	ug/Kg	980 U	NS	980 U	NS	930 U	NS	890 U	NS	950 U	NS
Acenaphthene	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
2,4-Dinitrophenol	ug/Kg	980 U	NS	980 U	NS	930 U	NS	890 U	NS	950 U	NS
4-Nitrophenol	ug/Kg	980 U	NS	980 U	NS	930 U	NS	890 U	NS	950 U	NS
Dibenzofuran	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
2,4-Dinitrotoluene	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
Diethylphthalate	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
4-Chlorophenyl-phenylether	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
Fluorene	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
4-Nitroaniline	ug/Kg	980 U	NS	980 U	NS	930 U	NS	890 U	NS	950 U	NS
4,6-Dinitro-2-methylphenol	ug/Kg	980 U	NS	980 U	NS	930 U	NS	890 U	NS	950 U	NS
N-Nitrosodiphenylamine	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
4-Bromophenyl-phenylether	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
Hexachlorobenzene	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
Pentachlorophenol	ug/Kg	980 U	NS	980 U	NS	930 U	NS	890 U	NS	950 U	NS
Phenanthrene	ug/Kg	400 U	NS	31 J	NS	31 J	NS	22 J	NS	68 J	NS
Anthracene	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
Carbazole	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
Di-n-butylphthalate	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
Fluoranthene	ug/Kg	30 J	NS	79 J	NS	71 J	NS	45 J	NS	150 J	NS
Pyrene	ug/Kg	29 J	NS	64 J	NS	66 J	NS	43 J	NS	110 J	NS
Butylbenzylphthalate	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
3,3'-Dichlorobenzidine	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
Benzofluoranthene	ug/Kg	400 U	NS	37 J	NS	33 J	NS	22 J	NS	52 J	NS
Chrysene	ug/Kg	400 U	NS	43 J	NS	38 J	NS	25 J	NS	60 J	NS
bis(2-Ethylhexyl)phthalate	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
Di-n-octylphthalate	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
Benzofluoranthene	ug/Kg	400 U	NS	29 J	NS	33 J	NS	21 J	NS	55 J	NS
Benzofluoranthene	ug/Kg	400 U	NS	39 J	NS	35 J	NS	24 J	NS	45 J	NS
Benzofluoranthene	ug/Kg	400 U	NS	38 J	NS	31 J	NS	20 J	NS	52 J	NS
Indeno(1,2,3-cd)pyrene	ug/Kg	400 U	NS	24 J	NS	23 J	NS	370 U	NS	34 J	NS
Dibenz(a,h)anthracene	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
Benzofluoranthene	ug/Kg	400 U	NS	21 J	NS	23 J	NS	370 U	NS	34 J	NS

SENECA ARMY DEPOT
SEAD-26 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-26 0-1 11/17/93 TP26-3.1 204832	SOIL SEAD-26 0-1 11/17/93 TP26-3.1RE 204832	SOIL SEAD-26 0.5-7.2 11/17/93 TP26-3.2 204833	SOIL SEAD-26 6.5-7.2 11/17/93 TP26-3.2RE 204833	SOIL SEAD-26 SURFACE 11/17/93 TP26-4.1 204834	SOIL SEAD-26 SURFACE 11/17/93 TP26-4.1RE 204834	SOIL SEAD-26 FILL 11/17/93 TP26-4.2 204835	SOIL SEAD-26 FILL 11/17/93 TP26-4.2RE 204835	SOIL SEAD-26 SURFACE 11/17/93 TP26-5.1 204836	SOIL SEAD-26 SURFACE 11/17/93 TP26-5.1RE 204836
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2.1 U	NS	2.1 U	NS	2 U	NS	1.9 U	NS	2 U	NS
beta-BHC	ug/Kg	2.1 U	NS	2.1 U	NS	2 U	NS	1.9 U	NS	2 U	NS
delta-BHC	ug/Kg	2.1 U	NS	2.1 U	NS	2 U	NS	1.9 U	NS	2 U	NS
gamma-BHC (lindane)	ug/Kg	2.1 U	NS	2.1 U	NS	2 U	NS	1.9 U	NS	2 U	NS
Heptachlor	ug/Kg	2.1 U	NS	2.1 U	NS	2 U	NS	1.9 U	NS	2 U	NS
Aldrin	ug/Kg	2.1 U	NS	2.1 U	NS	2 U	NS	1.9 U	NS	2 U	NS
Heptachlor epoxide	ug/Kg	2.1 U	NS	2.1 U	NS	2 U	NS	1.9 U	NS	2 U	NS
Endosulfan I	ug/Kg	2.1 U	NS	2.1 U	NS	2 U	NS	1.9 U	NS	2 U	NS
Dieldrin	ug/Kg	4 U	NS	4 U	NS	3.8 U	NS	3.7 U	NS	3.9 U	NS
4,4'-DDE	ug/Kg	4 U	NS	4 U	NS	3.8 U	NS	3.7 U	NS	3.9 U	NS
Endrin	ug/Kg	4 U	NS	4 U	NS	3.8 U	NS	3.7 U	NS	3.9 U	NS
Endosulfan II	ug/Kg	4 U	NS	4 U	NS	3.8 U	NS	3.7 U	NS	3.9 U	NS
4,4'-DDD	ug/Kg	4 U	NS	4 U	NS	3.8 U	NS	3.7 U	NS	3.9 U	NS
Endosulfan sulfate	ug/Kg	4 U	NS	4 U	NS	3.8 U	NS	3.7 U	NS	3.9 U	NS
4,4'-DDT	ug/Kg	4 U	NS	4 U	NS	3.8 U	NS	3.7 U	NS	3.9 U	NS
Methoxychlor	ug/Kg	21 U	NS	21 U	NS	20 U	NS	19 U	NS	20 U	NS
Endrin ketone	ug/Kg	4 U	NS	4 U	NS	3.8 U	NS	3.7 U	NS	3.9 U	NS
Endrin aldehyde	ug/Kg	4 U	NS	4 U	NS	3.8 U	NS	3.7 U	NS	3.9 U	NS
alpha-Chlordane	ug/Kg	2.1 U	NS	2.1 U	NS	2 U	NS	1.9 U	NS	2 U	NS
gamma-Chlordane	ug/Kg	2.1 U	NS	2.1 U	NS	2 U	NS	1.9 U	NS	2 U	NS
Toxaphene	ug/Kg	210 U	NS	210 U	NS	200 U	NS	190 U	NS	200 U	NS
Aroclor-1018	ug/Kg	40 U	NS	40 U	NS	38 U	NS	37 U	NS	39 U	NS
Aroclor-1221	ug/Kg	82 U	NS	82 U	NS	78 U	NS	74 U	NS	80 U	NS
Aroclor-1232	ug/Kg	40 U	NS	40 U	NS	38 U	NS	37 U	NS	39 U	NS
Aroclor-1242	ug/Kg	40 U	NS	40 U	NS	38 U	NS	37 U	NS	39 U	NS
Aroclor-1248	ug/Kg	40 U	NS	40 U	NS	38 U	NS	37 U	NS	39 U	NS
Aroclor-1254	ug/Kg	40 U	NS	40 U	NS	38 U	NS	37 U	NS	39 U	NS
Aroclor-1260	ug/Kg	40 U	NS	40 U	NS	38 U	NS	37 U	NS	39 U	NS
METALS											
Aluminum	mg/Kg	4680	NS	15600	NS	11000	NS	11200	NS	15000	NS
Antimony	mg/Kg	6.4 UJ	NS	9.5 UJ	NS	7 UJ	NS	6.8 UJ	NS	12.4 UJ	NS
Arsenic	mg/Kg	5.8	NS	5.6	NS	9	NS	7.7	NS	5.6	NS
Barium	mg/Kg	48.5	NS	94.8	NS	58.1	NS	70.2	NS	94	NS
Beryllium	mg/Kg	0.28 J	NS	0.76 J	NS	0.49 J	NS	0.5 J	NS	0.73 J	NS
Cadmium	mg/Kg	0.4 U	NS	0.59 U	NS	0.44 U	NS	0.43 U	NS	0.77 U	NS
Calcium	mg/Kg	227000	NS	7500	NS	14100	NS	16300	NS	5330	NS
Chromium	mg/Kg	6.9	NS	22.1	NS	17.8	NS	18.4	NS	23.4	NS
Cobalt	mg/Kg	3 J	NS	10.6	NS	9.9	NS	12	NS	13.3	NS
Copper	mg/Kg	8.6	NS	18.6	NS	12.4	NS	13.5	NS	23	NS
Iron	mg/Kg	12000	NS	23800	NS	23200	NS	23200	NS	28500	NS
Lead	mg/Kg	17.4	NS	16.4	NS	10.3	NS	13.6	NS	19.5	NS
Magnesium	mg/Kg	120000	NS	4480	NS	5020	NS	5130	NS	5250	NS
Manganese	mg/Kg	1740	NS	857	NS	421	NS	535	NS	694	NS
Mercury	mg/Kg	0.18	NS	0.02 U	NS	0.03 U	NS	0.03 J	NS	0.06	NS
Nickel	mg/Kg	7.8	NS	27.3	NS	26.7	NS	27.3	NS	34.9	NS
Potassium	mg/Kg	867	NS	1850	NS	1090	NS	1220	NS	1740	NS
Selenium	mg/Kg	0.57 J	NS	0.39 J	NS	0.37 J	NS	0.31 J	NS	0.32 J	NS
Silver	mg/Kg	0.81 UJ	NS	1.2 UJ	NS	0.89 UJ	NS	0.87 UJ	NS	1.6 UJ	NS
Sodium	mg/Kg	247 J	NS	58.9 J	NS	56.4 J	NS	74.8 J	NS	46.8 J	NS
Thallium	mg/Kg	0.23 U	NS	0.27 U	NS	0.25 U	NS	0.26 U	NS	0.18 U	NS
Vanadium	mg/Kg	17.1	NS	28.8	NS	16	NS	16.8	NS	24.9	NS
Zinc	mg/Kg	130	NS	76	NS	80.7	NS	69.2	NS	91.5	NS
Cyanide	mg/Kg	0.59 U	NS	0.53 U	NS	0.58 U	NS	0.46 U	NS	0.54 U	NS
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg	1.8	NS	2.1	NS	0.08	NS	0.03	NS	0.55	NS
Total Solids	%W/W	81.5	NS	81.6	NS	85.6	NS	90.3	NS	83.6	NS
Total Petroleum Hydrocarbons	mg/Kg	49	NS	80	NS	68	NS	76	NS	42	NS
Fluoride	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
pH	standard units	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-26 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-26 FILL 11/17/93 TP26-5.2 204837	SOIL SEAD-26 FILL 11/17/93 TP26-5.2RE 204837	SOIL SEAD-26 FILL 0-0.7 11/18/93 TP26-6.1 205107	SOIL SEAD-26 FILL 5.0+ 11/18/93 TP26-6.2 205108	SOIL SEAD-26 FILL 0-0.7 11/18/93 TP26-7.1 205109	SOIL SEAD-26 FILL 5.0+ 11/18/93 TP26-7.2 205110	SOIL SEAD-26 FILL 0-0.7 11/19/93 TP26-8.1 205115	SOIL SEAD-26 FILL 5.0+ 11/19/93 TP26-8.2 205116
VOLATILE ORGANICS									
Chloromethane	ug/Kg	12 U	NS	12 U	12 U	11 U	12 U	11 U	12 U
Bromomethane	ug/Kg	12 U	NS	12 U	12 U	11 U	12 U	11 U	12 U
Vinyl Chloride	ug/Kg	12 U	NS	12 U	12 U	11 U	12 U	11 U	12 U
Chloroethane	ug/Kg	12 U	NS	12 U	12 U	11 U	12 U	11 U	12 U
Methylene Chloride	ug/Kg	12 U	NS	12 U	12 U	11 U	12 U	11 U	12 U
Acetone	ug/Kg	12 U	NS	12 U	12 U	11 U	12 U	11 U	12 U
Carbon Disulfide	ug/Kg	12 U	NS	12 U	12 U	11 U	12 U	11 U	12 U
1,1-Dichloroethane	ug/Kg	12 U	NS	12 U	12 U	11 U	12 U	11 U	12 U
1,1-Dichloroethane	ug/Kg	12 U	NS	12 U	12 U	11 U	12 U	11 U	12 U
1,2-Dichloroethane (total)	ug/Kg	12 U	NS	12 U	12 U	11 U	12 U	11 U	12 U
Chloroform	ug/Kg	12 U	NS	12 U	12 U	11 U	12 U	11 U	12 U
1,2-Dichloroethane	ug/Kg	12 U	NS	12 U	12 U	11 U	12 U	11 U	12 U
2-Butanone	ug/Kg	12 U	NS	12 U	12 U	11 U	12 U	11 U	12 U
1,1,1-Trichloroethane	ug/Kg	12 U	NS	12 U	12 U	11 U	12 U	11 U	12 U
Carbon Tetrachloride	ug/Kg	12 U	NS	12 U	12 U	11 U	12 U	11 U	12 U
Bromodichloromethane	ug/Kg	12 U	NS	12 U	12 U	11 U	12 U	11 U	12 U
1,2-Dichloropropane	ug/Kg	12 U	NS	12 U	12 U	11 U	12 U	11 U	12 U
cis-1,3-Dichloropropene	ug/Kg	12 U	NS	12 U	12 U	11 U	12 U	11 U	12 U
Trichloroethene	ug/Kg	12 U	NS	12 U	12 U	11 U	12 U	11 U	12 U
Dibromochloromethane	ug/Kg	12 U	NS	12 U	12 U	11 U	12 U	11 U	12 U
1,1,2-Trichloroethane	ug/Kg	12 U	NS	12 U	12 U	11 U	12 U	11 U	12 U
Benzene	ug/Kg	12 U	NS	12 U	12 U	11 U	12 U	11 U	12 U
trans-1,3-Dichloropropene	ug/Kg	12 U	NS	12 U	12 U	11 U	12 U	11 U	12 U
Bromoform	ug/Kg	12 U	NS	12 U	12 U	11 U	12 U	11 U	12 U
4-Methyl-2-Pentanone	ug/Kg	12 U	NS	12 U	12 U	11 U	12 U	11 U	12 U
2-Hexanone	ug/Kg	12 U	NS	12 U	12 U	11 U	12 U	11 U	12 U
Tetrachloroethene	ug/Kg	12 U	NS	12 U	12 U	11 U	12 U	11 U	12 U
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	NS	12 U	12 U	11 U	12 U	11 U	12 U
Toluene	ug/Kg	12 U	NS	12 U	12 U	11 U	12 U	11 U	12 U
Chlorobenzene	ug/Kg	12 U	NS	12 U	12 U	11 U	12 U	11 U	12 U
Ethylbenzene	ug/Kg	12 U	NS	12 U	12 U	11 U	12 U	11 U	12 U
Styrene	ug/Kg	12 U	NS	12 U	12 U	11 U	12 U	11 U	12 U
Xylene (total)	ug/Kg	12 U	NS	12 U	12 U	11 U	12 U	11 U	12 U
MTBE	ug/Kg	NA	NS	10 U	10 U	10 U	10 U	10 U	10 U
HERBICIDES									
2,4-D	ug/Kg	59 U R	59 UJ	56 U	63 U	56 U	61 U	56 U	61 U
2,4-DB	ug/Kg	59 U R	59 UJ	56 U	63 U	56 U	61 U	56 U	61 U
2,4,5-T	ug/Kg	5.9 U R	5.9 UJ	5.6 U	6.3 U	5.6 U	6.1 U	5.6 U	6.1 U
2,4,5-TP (Silvex)	ug/Kg	5.9 U R	5.9 UJ	5.6 U	6.3 U	5.6 U	6.1 U	5.6 U	6.1 U
Dalapon	ug/Kg	140 U R	140 UJ	140 U	160 U	140 U	150 U	140 U	150 U
Dicamba	ug/Kg	5.9 U R	5.9 UJ	5.6 U	6.3 U	5.6 U	6.1 U	5.6 U	6.1 U
Dichloroprop	ug/Kg	59 U R	59 UJ	56 U	63 U	56 U	61 U	56 U	61 U
Dinoseb	ug/Kg	30 U R	30 UJ	28 U	32 U	28 U	31 U	28 U	31 U
MCPA	ug/Kg	5900 U R	5900 UJ	5600 U	6300 U	5800	6100 U	5600 U	6100 U
MCPP	ug/Kg	5900 U R	5900 UJ	5600 U	6300 U	7600	6100 U	5600 U	6100 U
NITROAROMATICS									
HMX	ug/Kg	130 U	NS	NS	NS	NS	NS	NS	NS
RDX	ug/Kg	130 U	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trinitrobenzene	ug/Kg	130 U	NS	NS	NS	NS	NS	NS	NS
1,3-Dinitrobenzene	ug/Kg	130 U	NS	NS	NS	NS	NS	NS	NS
Tetryl	ug/Kg	130 U	NS	NS	NS	NS	NS	NS	NS
2,4,6-Trinitrotoluene	ug/Kg	130 U	NS	NS	NS	NS	NS	NS	NS
4-amino-2,6-Dinitrotoluene	ug/Kg	130 U	NS	NS	NS	NS	NS	NS	NS
2-amino-4,6-Dinitrotoluene	ug/Kg	130 U	NS	NS	NS	NS	NS	NS	NS
2,6-Dinitrotoluene	ug/Kg	130 U	NS	NS	NS	NS	NS	NS	NS
2,4-Dinitrotoluene	ug/Kg	130 U	NS	NS	NS	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-26 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID	SOIL SEAD-26 FILL 11/17/93 TP26-5.2 204837	SOIL SEAD-26 FILL 11/17/93 TP26-5.2RE 204837	SOIL SEAD-26 FILL 0-0.7 11/18/93 TP26-8.1 205107	SOIL SEAD-26 FILL 5.0+ 11/18/93 TP26-6.2 205108	SOIL SEAD-26 FILL 0-0.7 11/18/93 TP26-7.1 205109	SOIL SEAD-26 FILL 5.0+ 11/18/93 TP26-7.2 205110	SOIL SEAD-26 FILL 0-0.7 11/19/93 TP26-8.1 205115	SOIL SEAD-26 FILL 5.0+ 11/19/93 TP26-8.2 205116	
SEMIVOLATILE ORGANICS									
Phend	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
bis(2-Chloroethyl) ether	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
2-Chlorophend	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
1,3-Dichlorobenzene	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
1,4-Dichlorobenzene	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
1,2-Dichlorobenzene	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
2-Methylphend	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
4-Methylphend	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
N-Nitroso-di-n-propylamine	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
Hexachloroethane	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
Nitrobenzene	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
Isophorone	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
2-Nitrophenol	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
2,4-Dimethylphenol	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
bis(2-Chloroethoxy) methane	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
2,4-Dichlorophenol	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
1,2,4-Trichlorobenzene	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
Naphthalene	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
4-Chloroaniline	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
Hexachlorobutadiene	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
4-Chloro-3-methylphenol	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
2-Methylnaphthalene	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
Hexachlorocyclopentadiene	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
2,4,6-Trichlorophenol	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
2,4,5-Trichlorophenol	ug/Kg	940 U	NS	890 U	1000 U	910 U	990 U	6000 U	980 U
2-Chloronaphthalene	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
2-Nitroaniline	ug/Kg	940 U	NS	890 U	1000 U	910 U	990 U	6000 U	980 U
Dimethylphthalate	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
Acenaphthylene	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
2,6-Dinitrotoluene	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
3-Nitroaniline	ug/Kg	940 U	NS	890 U	1000 U	910 U	990 U	6000 U	980 U
Acenaphthene	ug/Kg	390 U	NS	370 U	420 U	42 J	410 U	820 J	400 U
2,4-Dinitrophenol	ug/Kg	940 U	NS	890 U	1000 U	910 U	990 U	6000 U	980 U
4-Nitrophenol	ug/Kg	940 U	NS	890 U	1000 U	910 U	990 U	6000 U	980 U
Dibenzofuran	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	240 J	400 U
2,4-Dinitrotoluene	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
Diethylphthalate	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
4-Chlorophenyl-phenylether	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
Fluorene	ug/Kg	390 U	NS	370 U	420 U	25 J	410 U	600 J	400 U
4-Nitroaniline	ug/Kg	940 U	NS	890 U	1000 U	910 U	990 U	6000 U	980 U
4,6-Dinitro-2-methylphenol	ug/Kg	940 U	NS	890 U	1000 U	910 U	990 U	6000 U	980 U
N-Nitrosodiphenylamine	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
4-Bromophenyl-phenylether	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
Hexachlorobenzene	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
Pentachlorophend	ug/Kg	940 U	NS	890 U	1000 U	910 U	990 U	6000 U	980 U
Phenanthrene	ug/Kg	390 U	NS	95 J	420 U	370 J	410 U	7300	400 U
Anthracene	ug/Kg	390 U	NS	370 U	420 U	81 J	410 U	1400 J	400 U
Carbazole	ug/Kg	390 U	NS	370 U	420 U	40 J	410 U	1100 J	400 U
Di-n-butylphthalate	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
Fluoranthene	ug/Kg	390 U	NS	250 J	62 J	770	410 U	13000	23 J
Pyrene	ug/Kg	390 U	NS	220 J	61 J	610	410 U	8500	38 J
Butylbenzylphthalate	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
3,3'-Dichlorobenzidine	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
Benzo(a)anthracene	ug/Kg	390 U	NS	100 J	34 J	280 J	410 U	4500	400 U
Chrysene	ug/Kg	390 U	NS	120 J	37 J	320 J	410 U	4400	400 U
bis(2-Ethylhexyl)phthalate	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
Di-n-octylphthalate	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	2500 U	400 U
Benzo(b)fluoranthene	ug/Kg	390 U	NS	94 J	28 J	300 J	410 U	4800	400 U
Benzo(k)fluoranthene	ug/Kg	390 U	NS	120 J	34 J	270 J	410 U	3500	400 U
Benzo(a)pyrene	ug/Kg	390 U	NS	110 J	38 J	270 J	410 U	3900	62 J
Indeno(1,2,3-cd)pyrene	ug/Kg	390 U	NS	65 J	420 U	190 J	410 U	2600	400 U
Dibenz(b,h)anthracene	ug/Kg	390 U	NS	370 U	420 U	370 U	410 U	1100 J	400 U
Benzo(g,h,i)perylene	ug/Kg	390 U	NS	56 J	420 U	180 J	410 U	910 J	77 J

SENECA ARMY DEPOT
SEAD-26 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-26 FILL 11/17/93 TP26-5.2 204837	SOIL SEAD-26 FILL 11/17/93 TP26-5.2RE 204837	SOIL SEAD-26 0-0.7 11/18/93 TP26-6.1 205107	SOIL SEAD-26 5.0+ 11/18/93 TP26-6.2 205108	SOIL SEAD-26 0-0.7 11/18/93 TP26-7.1 205109	SOIL SEAD-26 5.0+ 11/18/93 TP26-7.2 205110	SOIL SEAD-26 0-0.7 11/19/93 TP26-8.1 205115	SOIL SEAD-26 5.0+ 11/19/93 TP26-8.2 205116	
PESTICIDES/PCB									
alpha-BHC	ug/Kg	2 U	NS	1.9 U	2.1 U	1.9 U	2.1 U	1.9 U	2.1 U
beta-BHC	ug/Kg	2 U	NS	1.9 U	2.1 U	1.9 U	2.1 U	1.9 U	2.1 U
delta-BHC	ug/Kg	2 U	NS	1.9 U	2.1 U	1.9 U	2.1 U	1.9 U	2.1 U
gamma-BHC (Lindane)	ug/Kg	2 U	NS	1.9 U	2.1 U	1.9 U	2.1 U	1.9 U	2.1 U
Heptachlor	ug/Kg	2 U	NS	1.9 U	2.1 U	1.9 U	2.1 U	1.9 U	2.1 U
Aldrin	ug/Kg	2 U	NS	1.9 U	2.1 U	1.9 U	2.1 U	1.9 U	2.1 U
Heptachlor epoxide	ug/Kg	2 U	NS	1.9 U	2.1 U	1.9 U	2.1 U	1.9 U	2.1 U
Endosulfan I	ug/Kg	2 U	NS	1.9 U	2.1 U	1.9 U	2.1 U	1.9 U	2.1 U
Dieldrin	ug/Kg	3.9 U	NS	3.7 U	4.1 U	3.7 U	4 U	3.7 U	4 U
4,4'-DDE	ug/Kg	3.9 U	NS	2.8 J	4.1 U	3.7 U	4 U	3.7 U	4 U
Endrin	ug/Kg	3.9 U	NS	3.7 U	4.1 U	3.7 U	4 U	3.7 U	4 U
Endosulfan II	ug/Kg	3.9 U	NS	3.7 U	4.1 U	3.7 U	4 U	3.7 U	4 U
4,4'-DDD	ug/Kg	3.9 U	NS	3.7 U	4.1 U	3.7 U	4 U	3.7 U	4 U
Endosulfan sulfate	ug/Kg	3.9 U	NS	3.7 U	4.1 U	3.7 U	4 U	3.7 U	4 U
4,4'-DDT	ug/Kg	3.9 U	NS	1.6 J	4.1 U	3.7 U	4 U	3.7 U	4 U
Methoxychlor	ug/Kg	20 U	NS	19 U	21 U	19 U	21 U	19 U	21 U
Endrin ketone	ug/Kg	3.9 U	NS	3.7 U	4.1 U	3.7 U	4 U	3.7 U	4 U
Endrin aldehyde	ug/Kg	3.9 U	NS	3.7 U	4.1 U	3.7 U	4 U	3.7 U	4 U
alpha-Chlordane	ug/Kg	2 U	NS	1.9 U	2.1 U	1.9 U	2.1 U	1.9 U	2.1 U
gamma-Chlordane	ug/Kg	2 U	NS	1.9 U	2.1 U	1.9 U	2.1 U	1.9 U	2.1 U
Toxaphene	ug/Kg	200 U	NS	190 U	210 U	190 U	210 U	190 U	210 U
Aroclor-1016	ug/Kg	39 U	NS	37 U	41 U	37 U	40 U	37 U	40 U
Aroclor-1221	ug/Kg	79 U	NS	74 U	84 U	76 U	82 U	75 U	82 U
Aroclor-1232	ug/Kg	39 U	NS	37 U	41 U	37 U	40 U	37 U	40 U
Aroclor-1242	ug/Kg	39 U	NS	37 U	41 U	37 U	40 U	37 U	40 U
Aroclor-1248	ug/Kg	39 U	NS	37 U	41 U	37 U	40 U	37 U	40 U
Aroclor-1254	ug/Kg	39 U	NS	37 U	41 U	37 U	40 U	37 U	40 U
Aroclor-1260	ug/Kg	39 U	NS	37 U	41 U	37 U	40 U	37 U	40 U
METALS									
Aluminum	mg/Kg	15700	NS	8060	15900	8550	10000	13700	20500
Antimony	mg/Kg	8.8 UJ	NS	10.1 UJ	10.1 UJ	10.9 UJ	12.4 UJ	7 UJ	12.5 UJ
Arsenic	mg/Kg	6.7	NS	6.6 J	9 J	8.1 J	7.6 J	6.4 J	5.4 J
Barium	mg/Kg	107	NS	45.7	81.4	43.6	53	69.2	109
Beryllium	mg/Kg	0.81 J	NS	0.46 J	0.77 J	0.44 J	0.48 J	0.59 J	0.96 J
Cadmium	mg/Kg	0.55 U	NS	0.63 U	0.63 U	0.68 U	0.78 U	0.44 U	0.78 U
Calcium	mg/Kg	9500	NS	116000	6100	40600	79300	42100	4090
Chromium	mg/Kg	24.2	NS	12.1	25.1	13.2	14.3	21.7	26.3
Cobalt	mg/Kg	13.2	NS	7.9 J	14.3	7.1 J	7.1 J	11.1	12.5
Copper	mg/Kg	27.3	NS	14.5	29.1	17.1	13.1	21.3	21.8
Iron	mg/Kg	32500	NS	17200	38100	18200	18600	27500	26900
Lead	mg/Kg	23.8	NS	15	13.5	12	16.2	13.1	18
Magnesium	mg/Kg	5850	NS	9180	6250	4760	26900	8260	4760
Manganese	mg/Kg	821	NS	487	507	596	573	594	1260
Mercury	mg/Kg	0.04 J	NS	0.02 J	0.03 J	0.04 J	0.05 J	0.04 J	0.07 J
Nickel	mg/Kg	34.2	NS	23	40.6	19.8	20.3	35.4	32.1
Potassium	mg/Kg	1330	NS	1050	1570	721 J	964 J	1290	2090
Selenium	mg/Kg	0.44 J	NS	0.82 J	0.29 J	0.41 J	0.33 J	0.57 J	0.59 J
Silver	mg/Kg	1.1 UJ	NS	1.3 U	1.3 U	1.4 U	1.6 U	0.88 U	1.6 U
Sodium	mg/Kg	55.2 J	NS	101 J	52.6 J	90.7 J	117 J	117 J	64.2 J
Thallium	mg/Kg	0.25 U	NS	0.26 U	0.26 U	0.26 U	0.28 U	0.18 U	0.28 U
Vanadium	mg/Kg	28.1	NS	13.1	25.4	12.3	15.4	19.6	31.1
Zinc	mg/Kg	96.9	NS	70.3	88.1	50.9	62.7	78	88.2
Cyanide	mg/Kg	0.58 U	NS	0.53 U	0.54 U	0.54 U	0.52 U	0.54 U	0.55 U
OTHER ANALYSES									
Nitrate/Nitrite-Nitrogen	mg/Kg	0.17	NS	0.55	0.53	1.08	0.43	0.12	0.52
Total Solids	%W/W	84.9	NS	90.1	78.9	88.4	80.9	88.6	82.3
Total Petroleum Hydrocarbons	mg/Kg	42	NS	86	550	63	72	137	113
Fluoride	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS
pH	standard units	NS	NS	NS	NS	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-26 EXPANDED SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

MATRIX LOCATION	WATER	WATER	WATER
SAMPLE DATE	SEAD-26	SEAD-26	SEAD-26
ES ID	01/21/94	01/22/94	01/22/94
LAB ID	MW26-1	MW26-3	MW26-4
UNITS	209256,	209258	209260
COMPOUND	209945		
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
MTBE	ug/L	NA	NA
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	2.7 U	2.5 U
Dicamba	ug/L	0.12 U	0.11 U
Dichloroprop	ug/L	1.2 U	1.1 U
Dinoseb	ug/L	0.58 U	0.53 U
MCPA	ug/L	120 U	110 U
MCPP	ug/L	120 U	110 U
NITROAROMATICS			
HMX	ug/L	NS	NS
RDX	ug/L	NS	NS
1,3,5-Trinitrobenzene	ug/L	NS	NS
1,3-Dinitrobenzene	ug/L	NS	NS
Tetryl	ug/L	NS	NS
2,4,6-Trinitrotoluene	ug/L	NS	NS
4-amino-2,6-Dinitrotoluene	ug/L	NS	NS
2-amino-4,6-Dinitrotoluene	ug/L	NS	NS
2,6-Dinitrotoluene	ug/L	NS	NS
2,4-Dinitrotoluene	ug/L	NS	NS

NOTES:
NS stands for NOT SAMPLED
NA stands for NOT ANALYZED

SENECA ARMY DEPOT
SEAD-26 EXPANDED SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID UNITS	WATER SEAD-26 01/21/94 MW26-1 209256, 209945	WATER SEAD-26 01/22/94 MW26-3 209258	WATER SEAD-26 01/22/94 MW26-4 209260
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	27 U
2-Chloronaphthalene	ug/L	10 U	10 U	11 U
2-Nitroaniline	ug/L	25 U	26 U	27 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	27 U
Acenaphthene	ug/L	10 U	10 U	11 U
2,4-Dinitrophenol	ug/L	25 U	26 U	27 U
4-Nitrophenol	ug/L	25 U	26 U	27 U
Dibenzofuran	ug/L	10 U	10 U	11 U
2,4-Dinitrotoluene	ug/L	10 U	10 U	11 U
Diethylphthalate	ug/L	0.8 J	10 U	0.5 J
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	27 U
4,6-Dinitro-2-methylphenol	ug/L	25 U	26 U	27 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	27 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-26 EXPANDED SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER
	LOCATION	SEAD-26	SEAD-26	SEAD-26
SAMPLE DATE		01/21/94	01/22/94	01/22/94
ES ID		MW26-1	MW26-3	MW26-4
LAB ID		209256,	209258	209260
UNITS		209945		
PESTICIDES/PCB				
alpha-BHC	ug/L	0.062 UJ	0.054 UJ	0.055 UJ
beta-BHC	ug/L	0.062 UJ	0.054 UJ	0.055 UJ
delta-BHC	ug/L	0.062 UJ	0.054 UJ	0.055 UJ
gamma-BHC (Lindane)	ug/L	0.062 UJ	0.054 UJ	0.055 UJ
Heptachlor	ug/L	0.062 UJ	0.054 UJ	0.055 UJ
Aldrin	ug/L	0.062 UJ	0.054 UJ	0.055 UJ
Heptachlor epoxide	ug/L	0.062 UJ	0.054 UJ	0.055 UJ
Endosulfan I	ug/L	0.062 UJ	0.054 UJ	0.055 UJ
Dieldrin	ug/L	0.12 UJ	0.11 UJ	0.11 UJ
4,4'-DDE	ug/L	0.12 UJ	0.11 UJ	0.11 UJ
Endrin	ug/L	0.12 UJ	0.11 UJ	0.11 UJ
Endosulfan II	ug/L	0.12 UJ	0.11 UJ	0.11 UJ
4,4'-DDD	ug/L	0.12 UJ	0.11 UJ	0.11 UJ
Endosulfan sulfate	ug/L	0.12 UJ	0.11 UJ	0.11 UJ
4,4'-DDT	ug/L	0.12 UJ	0.11 UJ	0.11 UJ
Methoxychlor	ug/L	0.62 UJ	0.54 UJ	0.55 UJ
Endrin ketone	ug/L	0.12 UJ	0.11 UJ	0.11 UJ
Endrin aldehyde	ug/L	0.12 UJ	0.11 UJ	0.11 UJ
alpha-Chlordane	ug/L	0.062 UJ	0.054 UJ	0.055 UJ
gamma-Chlordane	ug/L	0.062 UJ	0.054 UJ	0.055 UJ
Toxaphene	ug/L	6.2 UJ	5.4 UJ	5.5 UJ
Aroclor-1016	ug/L	1.2 UJ	1.1 UJ	1.1 UJ
Aroclor-1221	ug/L	2.5 UJ	2.2 UJ	2.2 UJ
Aroclor-1232	ug/L	1.2 UJ	1.1 UJ	1.1 UJ
Aroclor-1242	ug/L	1.2 UJ	1.1 UJ	1.1 UJ
Aroclor-1246	ug/L	1.2 UJ	1.1 UJ	1.1 UJ
Aroclor-1254	ug/L	1.2 UJ	1.1 UJ	1.1 UJ
Aroclor-1260	ug/L	1.2 UJ	1.1 UJ	1.1 UJ
METALS				
Aluminum	ug/L	188 J	665	73300
Antimony	ug/L	21.5 U	21.8 U	21.5 U
Arsenic	ug/L	0.8 U	1.3 J	32.8
Barium	ug/L	31.9 J	63.8 J	399
Beryllium	ug/L	0.4 U	0.4 U	3.4 J
Cadmium	ug/L	2.1 U	2.1 U	2.1 U
Calcium	ug/L	115000	194000	199000
Chromium	ug/L	2.6 U	2.6 U	122
Cobalt	ug/L	4.4 U	4.4 J	82.2
Copper	ug/L	3.1 U	3.1 U	92
Iron	ug/L	286	858	145000
Lead	ug/L	0.5 U	0.61 J	32.9
Magnesium	ug/L	16700	36500	60900
Manganese	ug/L	529	4280	2770
Mercury	ug/L	0.05 J R	0.04 U	0.14 J R
Nickel	ug/L	4 U	4.7 J	163
Potassium	ug/L	10200	4480 J	108000
Selenium	ug/L	0.7 U	0.85 J	2 J
Silver	ug/L	4.2 U	4.2 U	4.2 U
Sodium	ug/L	30300	11600	14600
Thallium	ug/L	1.2 U	1.2 U	1.2 U
Vanadium	ug/L	3.7 U	3.7 U	110
Zinc	ug/L	26.7 R	13.9 J R	355
Cyanide	ug/L	5 U	5 U	5 U
OTHER ANALYSES				
Nitrate/Nitrite-Nitrogen	mg/L	1.18	0.04	3.6
Total Petroleum Hydrocarbons	mg/L	0.41 U	0.41	0.37 U
Fluoride	mg/L	NS	NS	NS
pH	standard units	7.63	6.8	6.95
Specific Conductivity	umhos/cm	400	650	775
Turbidity	NTU	4.8	325	5000

SENECA ARMY DEPOT
SEAD-26 EXPANDED SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID UNITS	WATER SEAD-26 11/01/93 SW26-1 202939	WATER SEAD-26 11/01/93 SW200 202944 SW26-1DUP
VOLATILE ORGANICS			
Chloromethane	ug/L	10 U	NS
Bromomethane	ug/L	10 U	NS
Vinyl Chloride	ug/L	10 U	NS
Chloroethane	ug/L	10 U	NS
Methylene Chloride	ug/L	10 U	NS
Acetone	ug/L	10 U	NS
Carbon Disulfide	ug/L	10 U	NS
1,1-Dichloroethane	ug/L	10 U	NS
1,1-Dichloroethane	ug/L	10 U	NS
1,2-Dichloroethane (total)	ug/L	10 U	NS
Chloroform	ug/L	10 U	NS
1,2-Dichloroethane	ug/L	10 U	NS
2-Butanone	ug/L	10 U	NS
1,1,1-Trichloroethane	ug/L	10 U	NS
Carbon Tetrachloride	ug/L	10 U	NS
Bromodichloromethane	ug/L	10 U	NS
1,2-Dichloropropane	ug/L	10 U	NS
cis-1,3-Dichloropropene	ug/L	10 U	NS
Trichloroethene	ug/L	10 U	NS
Dibromochloromethane	ug/L	10 U	NS
1,1,2-Trichloroethane	ug/L	10 U	NS
Benzene	ug/L	10 U	NS
trans-1,3-Dichloropropene	ug/L	10 U	NS
Bromoform	ug/L	10 U	NS
4-Methyl-2-Pentanone	ug/L	10 U	NS
2-Hexanone	ug/L	10 U	NS
Tetrachloroethene	ug/L	10 U	NS
1,1,2,2-Tetrachloroethane	ug/L	10 U	NS
Toluene	ug/L	10 U	NS
Chlorobenzene	ug/L	10 U	NS
Ethylbenzene	ug/L	10 U	NS
Styrene	ug/L	10 U	NS
Xylene (total)	ug/L	10 U	NS
MTBE	ug/L	NA	NS
HERBICIDES			
2,4-D	ug/L	1.1 U	NS
2,4-DB	ug/L	2.9	NS
2,4,5-T	ug/L	0.11 U	NS
2,4,5-TP (Silvex)	ug/L	0.11 U	NS
Dalapon	ug/L	2.4 U	NS
Dicamba	ug/L	0.11 U	NS
Dichloroprop	ug/L	1.1 U	NS
Dinoseb	ug/L	0.52 U	NS
MCPA	ug/L	110 U	NS
MCPP	ug/L	110 U	NS
NITROAROMATICS			
HMX	ug/L	0.13 U	NS
RDX	ug/L	0.13 U	NS
1,3,5-Trinitrobenzene	ug/L	0.13 U	NS
1,3-Dinitrobenzene	ug/L	0.13 U	NS
Tetryl	ug/L	0.13 U	NS
2,4,6-Trinitrotoluene	ug/L	0.13 U	NS
4-amino-2,6-Dinitrotoluene	ug/L	0.13 U	NS
2-amino-4,6-Dinitrotoluene	ug/L	0.13 U	NS
2,6-Dinitrotoluene	ug/L	0.13 U	NS
2,4-Dinitrotoluene	ug/L	3.5	NS

NOTES:

NS stands for NOT SAMPLED
NA stands for NOT ANALYZED

SENECA ARMY DEPOT
SEAD-26 EXPANDED SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID UNITS	WATER SEAD-26 11/01/93 SW26-1 202939	WATER SEAD-26 11/01/93 SW200 202944 SW26-1DUP
SEMIVOLATILE ORGANICS			
Phenol	ug/L	20 U	NS
bis(2-Chloroethyl) ether	ug/L	20 U	NS
2-Chlorophenol	ug/L	20 U	NS
1,3-Dichlorobenzene	ug/L	20 U	NS
1,4-Dichlorobenzene	ug/L	20 U	NS
1,2-Dichlorobenzene	ug/L	20 U	NS
2-Methylphenol	ug/L	20 U	NS
2,2'-oxybis(1-Chloropropane)	ug/L	20 U	NS
4-Methylphenol	ug/L	20 U	NS
N-Nitroso-d-n-propylamine	ug/L	20 U	NS
Hexachloroethane	ug/L	20 U	NS
Nitrobenzene	ug/L	20 U	NS
Isophorone	ug/L	20 U	NS
2-Nitrophenol	ug/L	20 U	NS
2,4-Dimethylphenol	ug/L	20 U	NS
bis(2-Chloroethoxy) methane	ug/L	20 U	NS
2,4-Dichlorophenol	ug/L	20 U	NS
1,2,4-Trichlorobenzene	ug/L	20 U	NS
Naphthalene	ug/L	20 U	NS
4-Chloroaniline	ug/L	20 U	NS
Hexachlorobutadiene	ug/L	20 U	NS
4-Chloro-3-methylphenol	ug/L	20 U	NS
2-Methylnaphthalene	ug/L	20 U	NS
Hexachlorocyclopentadiene	ug/L	20 U	NS
2,4,6-Trichlorophenol	ug/L	20 U	NS
2,4,5-Trichlorophenol	ug/L	51 U	NS
2-Chloronaphthalene	ug/L	20 U	NS
2-Nitroaniline	ug/L	51 U	NS
Dimethylphthalate	ug/L	20 U	NS
Acenaphthylene	ug/L	20 U	NS
2,6-Dinitrotoluene	ug/L	20 U	NS
3-Nitroaniline	ug/L	51 U	NS
Acenaphthene	ug/L	20 U	NS
2,4-Dinitrophenol	ug/L	51 U	NS
4-Nitrophenol	ug/L	51 U	NS
Dibenzofuran	ug/L	20 U	NS
2,4-Dinitrotoluene	ug/L	20 U	NS
Diethylphthalate	ug/L	20 U	NS
4-Chlorophenyl-phenylether	ug/L	20 U	NS
Fluorene	ug/L	20 U	NS
4-Nitroaniline	ug/L	51 U	NS
4,6-Dinitro-2-methylphenol	ug/L	51 U	NS
N-Nitrosodiphenylamine	ug/L	20 U	NS
4-Bromophenyl-phenylether	ug/L	20 U	NS
Hexachlorobenzene	ug/L	20 U	NS
Pentachlorophenol	ug/L	51 U	NS
Phenanthrene	ug/L	20 U	NS
Anthracene	ug/L	20 U	NS
Carbazole	ug/L	20 U	NS
Di-n-butylphthalate	ug/L	20 U	NS
Fluoranthene	ug/L	20 U	NS
Pyrene	ug/L	20 U	NS
Butylbenzylphthalate	ug/L	20 U	NS
3,3'-Dichlorobenzidine	ug/L	20 U	NS
Benzo(a)anthracene	ug/L	20 U	NS
Chrysene	ug/L	20 U	NS
bis(2-Ethylhexyl)phthalate	ug/L	20 U	NS
Di-n-octylphthalate	ug/L	20 U	NS
Benzo(b)fluoranthene	ug/L	20 U	NS
Benzo(k)fluoranthene	ug/L	20 U	NS
Benzo(a)pyrene	ug/L	20 U	NS
Indeno(1,2,3-cd)pyrene	ug/L	20 U	NS
Dibenz(a,h)anthracene	ug/L	20 U	NS
Benzo(g,h,i)perylene	ug/L	20 U	NS

SENECA ARMY DEPOT
SEAD-26 EXPANDED SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID UNITS	WATER SEAD-26 11/01/93 SW26-1 202939	WATER SEAD-26 11/01/93 SW200 202944 SW26-1DUP
PESTICIDES/PCB			
alpha-BHC	ug/L	0.05 UJ	NS
beta-BHC	ug/L	0.05 UJ	NS
delta-BHC	ug/L	0.05 UJ	NS
gamma-BHC (Lindane)	ug/L	0.05 UJ	NS
Heptachlor	ug/L	0.05 UJ	NS
Aldrin	ug/L	0.05 UJ	NS
Heptachlor epoxide	ug/L	0.05 UJ	NS
Endosulfan I	ug/L	0.05 UJ	NS
Dieldrin	ug/L	0.1 UJ	NS
4,4'-DDE	ug/L	0.1 UJ	NS
Endrin	ug/L	0.1 UJ	NS
Endosulfan II	ug/L	0.1 UJ	NS
4,4'-DDD	ug/L	0.1 UJ	NS
Endosulfan sulfate	ug/L	0.1 UJ	NS
4,4'-DDT	ug/L	0.1 UJ	NS
Methoxychlor	ug/L	0.5 UJ	NS
Endrin ketone	ug/L	0.1 UJ	NS
Endrin aldehyde	ug/L	0.072 J	NS
alpha-Chlordane	ug/L	0.05 UJ	NS
gamma-Chlordane	ug/L	0.05 UJ	NS
Toxaphene	ug/L	5 UJ	NS
Aroclor-1018	ug/L	1 UJ	NS
Aroclor-1221	ug/L	2 UJ	NS
Aroclor-1232	ug/L	1 UJ	NS
Aroclor-1242	ug/L	1 UJ	NS
Aroclor-1248	ug/L	1 UJ	NS
Aroclor-1254	ug/L	1 UJ	NS
Aroclor-1260	ug/L	1 UJ	NS
METALS			
Aluminum	ug/L	44.5 U	NS
Antimony	ug/L	52.3 U	NS
Arsenic	ug/L	7 J	NS
Barium	ug/L	84.4 J	NS
Beryllium	ug/L	0.3 U	NS
Cadmium	ug/L	3.3 U	NS
Calcium	ug/L	61200	NS
Chromium	ug/L	2.5 U	NS
Cobalt	ug/L	4.9 U	NS
Copper	ug/L	3.7 U	NS
Iron	ug/L	2940 J	NS
Lead	ug/L	2.8 J	NS
Magnesium	ug/L	4530 J	NS
Manganese	ug/L	55.5	NS
Mercury	ug/L	0.07 U	NS
Nickel	ug/L	6.3 J	NS
Potassium	ug/L	2510 J	NS
Selenium	ug/L	1.1 U	NS
Silver	ug/L	6.6 UJ	NS
Sodium	ug/L	4670 J	NS
Thallium	ug/L	1.2 U	NS
Vanadium	ug/L	3.3 U	NS
Zinc	ug/L	7.1 J	NS
Cyanide	ug/L	8.5	NS
OTHER ANALYSES			
Nitrate/Nitrite-Nitrogen	mg/L	0.03	NS
Total Petroleum Hydrocarbons	mg/L	4	4.17
Fluoride	mg/L	NS	NS
pH	standard units	NA	NA
Specific Conductivity	umhos/cm	NA	NA
Turbidity	NTU	NA	NA

SENECA ARMY DEPOT
SEAD-26 EXPANDED SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL
	LOCATION	SEAD-26	SEAD-26
	DEPTH (FEET)	0-0.5	0-0.5
	SAMPLE DATE	11/01/93	11/01/93
	ES ID	SD26-1	SD200
	LAB ID	202995	203000
	UNITS		SD26-1DUP
PESTICIDES/PCB			
alpha-BHC	ug/Kg	2 U	NS
beta-BHC	ug/Kg	2 U	NS
delta-BHC	ug/Kg	2 U	NS
gamma-BHC (Lindane)	ug/Kg	2 U	NS
Heptachlor	ug/Kg	2 U	NS
Aldrin	ug/Kg	2 U	NS
Heptachlor epoxide	ug/Kg	6.4 J	NS
Endosulfan I	ug/Kg	2 U	NS
Dieldrin	ug/Kg	3.8 J	NS
4,4'-DDE	ug/Kg	13 J	NS
Endrin	ug/Kg	6.5 J	NS
Endosulfan II	ug/Kg	4.4 J	NS
4,4'-DDD	ug/Kg	3.9 U	NS
Endosulfan sulfate	ug/Kg	3.9 U	NS
4,4'-DDT	ug/Kg	3.9 U	NS
Methoxychlor	ug/Kg	20 U	NS
Endrin ketone	ug/Kg	3.9 U	NS
Endrin aldehyde	ug/Kg	3.9 U	NS
alpha-Chlordane	ug/Kg	2 U	NS
gamma-Chlordane	ug/Kg	2 U	NS
Toxaphene	ug/Kg	200 U	NS
Aroclor-1016	ug/Kg	39 U	NS
Aroclor-1221	ug/Kg	80 U	NS
Aroclor-1232	ug/Kg	39 U	NS
Aroclor-1242	ug/Kg	39 U	NS
Aroclor-1248	ug/Kg	39 U	NS
Aroclor-1254	ug/Kg	39 U	NS
Aroclor-1260	ug/Kg	39 U	NS
METALS			
Aluminum	mg/Kg	1270	NS
Antimony	mg/Kg	9.6 U	NS
Arsenic	mg/Kg	14.6	NS
Barium	mg/Kg	26 J	NS
Beryllium	mg/Kg	0.15 J	NS
Cadmium	mg/Kg	0.6 U	NS
Calcium	mg/Kg	313000	NS
Chromium	mg/Kg	2.5	NS
Cobalt	mg/Kg	2.5 J	NS
Copper	mg/Kg	10.9	NS
Iron	mg/Kg	3170	NS
Lead	mg/Kg	8.3	NS
Magnesium	mg/Kg	7270	NS
Manganese	mg/Kg	190	NS
Mercury	mg/Kg	0.01 J	NS
Nickel	mg/Kg	10.5	NS
Potassium	mg/Kg	784 J	NS
Selenium	mg/Kg	0.37 J	NS
Silver	mg/Kg	1.2 U	NS
Sodium	mg/Kg	231 J	NS
Thallium	mg/Kg	2.3 U	NS
Vanadium	mg/Kg	7.6 J	NS
Zinc	mg/Kg	34.3	NS
Cyanide	mg/Kg	0.59 U	NS
OTHER ANALYSES			
Nitrate/Nitrite-Nitrogen	mg/Kg	0.02	NS
Total Solids	%W/W	NS	NS
Total Petroleum Hydrocarbons	mg/Kg	20000	22000
Fluoride	mg/Kg	NS	NS
pH	standard units	NS	NS

SENECA ARMY DEPOT
SEAD-45 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-45 0-0.2 10/25/93 SS45-1 202506	SOIL SEAD-45 0-0.2 10/25/93 SS45-2 202507	SOIL SEAD-45 0-0.2 10/25/93 SS45-3 202508	SOIL SEAD-45 0-0.2 10/25/93 SS45-4 202509	SOIL SEAD-45 0-0.2 10/25/93 SS45-4RE 202509	SOIL SEAD-45 0-0.2 10/25/93 SS45-5 202512	SOIL SEAD-45 0-0.2 10/25/93 SS45-10 202517 SS45-5DUP	SOIL SEAD-45 0-0.2 10/25/93 SS45-6 202511	SOIL SEAD-45 0-0.2 10/25/93 SS45-7 202514	SOIL SEAD-45 0-0.2 10/25/93 SS45-8 202515	
VOLATILE ORGANICS											
Chloromethane	ug/Kg 12 U	11 U	12 U	11 UJ	11 UJ	12 U	12 U	11 U	11 U	12 U	
Bromomethane	ug/Kg 12 U	11 U	12 U	11 UJ	11 UJ	12 U	12 U	11 U	11 U	12 U	
Vinyl Chloride	ug/Kg 12 U	11 U	12 U	11 UJ	11 UJ	12 U	12 U	11 U	11 U	12 U	
Chloroethane	ug/Kg 12 U	11 U	12 U	11 UJ	11 UJ	12 U	12 U	11 U	11 U	12 U	
Methylene Chloride	ug/Kg 12 U	11 U	12 U	11 UJ	11 UJ	12 U	12 U	11 U	11 U	12 U	
Acetone	ug/Kg 12 U	11 U	12 U	11 UJ	11 UJ	12 U	12 U	11 U	11 U	12 U	
Carbon Disulfide	ug/Kg 12 U	11 U	12 U	11 UJ	11 UJ	12 U	12 U	11 U	11 U	12 U	
1,1-Dichloroethane	ug/Kg 12 U	11 U	12 U	11 UJ	11 UJ	12 U	12 U	11 U	11 U	12 U	
1,1-Dichloroethane	ug/Kg 12 U	11 U	12 U	11 UJ	11 UJ	12 U	12 U	11 U	11 U	12 U	
1,2-Dichloroethane (total)	ug/Kg 12 U	11 U	12 U	11 UJ	11 UJ	12 U	12 U	11 U	11 U	12 U	
Chloroform	ug/Kg 12 U	11 U	12 U	11 UJ	11 UJ	12 U	12 U	11 U	11 U	12 U	
1,2-Dichloroethane	ug/Kg 12 U	11 U	12 U	11 UJ	11 UJ	12 U	12 U	11 U	11 U	12 U	
2-Butanone	ug/Kg 12 U	11 U	12 U	11 UJ	11 UJ	12 U	12 U	11 U	11 U	12 U	
1,1,1-Trichloroethane	ug/Kg 12 U	11 U	12 U	11 UJ	11 UJ	12 U	12 U	11 U	11 U	12 U	
Carbon Tetrachloride	ug/Kg 12 U	11 U	12 U	11 UJ	11 UJ	12 U	12 U	11 U	11 U	12 U	
Bromodichloromethane	ug/Kg 12 U	11 U	12 U	11 UJ	11 UJ	12 U	12 U	11 U	11 U	12 U	
1,2-Dichloropropane	ug/Kg 12 U	11 U	12 U	11 UJ	11 UJ	12 U	12 U	11 U	11 U	12 U	
cis-1,3-Dichloropropene	ug/Kg 12 U	11 U	12 U	11 UJ	11 UJ	12 U	12 U	11 U	11 U	12 U	
Trichloroethane	ug/Kg 12 U	11 U	12 U	11 UJ	11 UJ	12 U	12 U	11 U	11 U	12 U	
Dibromochloromethane	ug/Kg 12 U	11 U	12 U	11 UJ	11 UJ	12 U	12 U	11 U	11 U	12 U	
1,1,2-Trichloroethane	ug/Kg 12 U	11 U	12 U	11 UJ	11 UJ	12 U	12 U	11 U	11 U	12 U	
Benzene	ug/Kg 12 U	11 U	12 U	11 UJ	11 UJ	12 U	12 U	11 U	11 U	12 U	
trans-1,3-Dichloropropene	ug/Kg 12 U	11 U	12 U	11 UJ	11 UJ	12 U	12 U	11 U	11 U	12 U	
Bromoform	ug/Kg 12 U	11 U	12 U	11 UJ	11 UJ	12 U	12 U	11 U	11 U	12 U	
4-Methyl-2-Pentanone	ug/Kg 12 U	11 U	12 U	11 UJ	11 UJ	12 U	12 U	11 U	11 U	12 U	
2-Hexanone	ug/Kg 12 U	11 U	12 U	11 UJ	11 UJ	12 U	12 U	11 U	11 U	12 U	
Tetrachloroethane	ug/Kg 12 U	11 U	12 U	11 UJ	11 UJ	12 U	12 U	11 U	11 U	12 U	
1,1,2,2-Tetrachloroethane	ug/Kg 12 U	11 U	12 U	11 UJ	11 UJ	12 U	12 U	11 U	11 U	12 U	
Toluene	ug/Kg 12 U	11 U	12 U	11 UJ	11 UJ	12 U	12 U	11 U	11 U	12 U	
Chlorobenzene	ug/Kg 12 U	11 U	12 U	11 UJ	11 UJ	12 U	12 U	11 U	11 U	12 U	
Ethylbenzene	ug/Kg 12 U	11 U	12 U	11 UJ	11 UJ	12 U	12 U	11 U	11 U	12 U	
Styrene	ug/Kg 12 U	11 U	12 U	11 UJ	11 UJ	12 U	12 U	11 U	11 U	12 U	
Xylene (total)	ug/Kg 12 U	11 U	12 U	11 UJ	11 UJ	12 U	12 U	11 U	11 U	12 U	
MTBE	ug/Kg NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
HERBICIDES											
2,4-D	ug/Kg 63 U	58 U	60 U	54 U	NS	59 U	60 U	55 U	57 U	63 U	
2,4-DB	ug/Kg 63 U	58 U	60 U	54 U	NS	59 U	60 U	55 U	57 U	63 U	
2,4,5-T	ug/Kg 6.3 U	5.8 U	6 U	5.4 U	NS	5.9 U	6 U	5.5 U	5.7 U	6.3 U	
2,4,5-TP (Stivex)	ug/Kg 6.3 U	5.8 U	6 U	5.4 U	NS	5.9 UJ	6 U	5.5 U	5.7 U	6.3 U	
Dalapon	ug/Kg 150 U	140 U	150 U	130 U	NS	150 U	150 U	130 U	140 U	160 U	
Dicamba	ug/Kg 6.3 U	5.8 U	6 U	5.4 U	NS	5.9 U	6 U	5.5 U	5.7 U	6.3 U	
Dichloroprop	ug/Kg 63 U	58 U	60 U	54 U	NS	59 U	60 U	55 U	57 U	63 U	
Dinoseb	ug/Kg 32 U	29 U	30 U	27 U	NS	30 UJ	30 U	28 U	29 U	32 U	
MCPA	ug/Kg 6300 U	6300 U	6000 U	5400 U	NS	5900 U	6000 U	5500 U	5700 U	6300 U	
MCPP	ug/Kg 6300 U	5800 U	6000 U	5400 U	NS	5900 U	6000 U	5500 U	5700 U	6300 U	
NITROAROMATICS											
HMX	ug/Kg 130 U	130 U	130 U	130 U	NS	120 J	140 J	130 U	130 UJ	130 UJ	
RDX	ug/Kg 130 U	130 U	100 J	82 J	NS	280 J	290 J	1800	83 J	130 UJ	
1,3,5-Trinitrobenzene	ug/Kg 130 U	130 U	100 J	100 U	NS	130 UJ	130 UJ	120 J	130 UJ	130 UJ	
1,3-Dinitrobenzene	ug/Kg 130 U	130 U	130 U	130 U	NS	130 UJ	130 UJ	130 U	130 UJ	130 UJ	
Tetryl	ug/Kg 130 U	130 U	130 U	90 J	NS	130 UJ	130 J	330	130 UJ	130 UJ	
2,4,6-Trinitrotoluene	ug/Kg 130 U	130 U	96 J	130 U	NS	84 J	80 J	190	130 UJ	130 UJ	
4-amino-2,6-Dinitrotoluene	ug/Kg 130 U	130 U	130 U	130 U	NS	130 UJ	130 UJ	130 U	130 UJ	130 UJ	
2-amino-4,6-Dinitrotoluene	ug/Kg 130 U	130 U	99 J	130 U	NS	280 J	270 J	590	130 UJ	130 UJ	
2,6-Dinitrotoluene	ug/Kg 130 U	130 U	130 U	130 U	NS	130 UJ	130 UJ	130 U	130 UJ	130 UJ	
2,4-Dinitrotoluene	ug/Kg 130 U	130 U	130 U	110 J	NS	150 J	140 J	160	130 UJ	130 UJ	

NOTES:
NS stands for NOT SAMPLED
NA stands for NOT ANALYZED

SENECA ARMY DEPOT
SEAD-45 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH FEET) SAMPLE DATE	SOIL SEAD-45 0-0.2 10/25/93 ES ID SS45-1 202508	SOIL SEAD-45 0-0.2 10/25/93 SS45-2 202507	SOIL SEAD-45 0-0.2 10/25/93 SS45-3 202508	SOIL SEAD-45 0-0.2 10/25/93 SS45-4 202509	SOIL SEAD-45 0-0.2 10/25/93 SS45-4RE 202508	SOIL SEAD-45 0-0.2 10/25/93 SS45-5 202512	SOIL SEAD-45 0-0.2 10/25/93 SS45-10 202517 SS45-5DUP	SOIL SEAD-45 0-0.2 10/25/93 SS45-6 202511	SOIL SEAD-45 0-0.2 10/25/93 SS45-7 202514	SOIL SEAD-45 0-0.2 10/25/93 SS45-8 202515	
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
bis(2-Chloroethyl) ether	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
2-Chlorophenol	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
1,3-Dichlorobenzene	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
1,4-Dichlorobenzene	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
1,2-Dichlorobenzene	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
2-Methylphenol	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
4-Methylphenol	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
N-Nitroso-di-n-propylamine	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
Hexachloroethane	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	21 J	380 U	420 U
Nitrobenzene	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
Isophorone	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
2-Nitrophenol	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
2,4-Dimethylphenol	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
bis(2-Chloroethoxy) methane	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
2,4-Dichlorophenol	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
1,2,4-Trichlorobenzene	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
Naphthalene	ug/Kg	410 U	380 U	400 U	360 U	NS	21 J	390 U	360 U	380 U	420 U
4-Chloroaniline	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
Hexachlorobutadiene	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
4-Chloro-3-methylphenol	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
2-Methylnaphthalene	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
Hexachlorocyclopentadiene	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
2,4,6-Trichlorophenol	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
2,4,5-Trichlorophenol	ug/Kg	1000 U	930 U	960 U	870 U	NS	950 U	950 U	870 U	920 U	1000 U
2-Chloronaphthalene	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
2-Nitroaniline	ug/Kg	1000 U	930 U	960 U	870 U	NS	950 U	950 U	870 U	920 U	1000 U
Dimethylphthalate	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
Acenaphthylene	ug/Kg	410 U	380 U	400 U	360 U	NS	30 J	390 U	360 U	380 U	420 U
2,6-Dinitrotoluene	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	41 J	380 U	420 U
3-Nitroaniline	ug/Kg	1000 U	930 U	960 U	870 U	NS	950 U	950 U	870 U	920 U	1000 U
Acenaphthene	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
2,4-Dinitrophenol	ug/Kg	1000 U	930 U	960 U	870 U	NS	950 U	950 U	870 U	920 U	1000 U
4-Nitrophenol	ug/Kg	1000 U	930 U	960 U	870 U	NS	950 U	950 U	870 U	920 U	1000 U
Dibenzofuran	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
2,4-Dinitrotoluene	ug/Kg	410 U	380 U	400 U	360 U	NS	160 J	75 J	830	380 U	420 U
Diethylphthalate	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
4-Chlorophenyl-phenyl ether	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
Fluorene	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
4-Nitroaniline	ug/Kg	1000 U	930 U	960 U	870 U	NS	950 U	950 U	870 U	920 U	1000 U
4,6-Dinitro-2-methylphenol	ug/Kg	1000 U	930 U	960 U	870 U	NS	950 U	950 U	870 U	920 U	1000 U
N-Nitrosodiphenylamine	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	110 J	380 U	420 U
4-Bromophenyl-phenyl ether	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
Hexachlorobenzene	ug/Kg	410 U	380 U	400 U	20 J	NS	43 J	41 J	55 J	380 U	420 U
Pentachlorophenol	ug/Kg	1000 U	930 U	960 U	870 U	NS	950 U	950 U	870 U	920 U	1000 U
Phenanthrene	ug/Kg	410 U	380 U	400 U	360 U	NS	38 J	31 J	25 J	380 U	420 U
Anthracene	ug/Kg	410 U	380 U	400 U	360 U	NS	18 J	390 U	360 U	380 U	420 U
Carbazole	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
Di-n-butylphthalate	ug/Kg	410 U	380 U	400 U	360 U	NS	110 J	31 J	900	380 U	420 U
Fluoranthene	ug/Kg	410 U	380 U	400 U	23 J	NS	66 J	44 J	42 J	380 U	22 J
Pyrene	ug/Kg	410 U	380 U	400 U	35 J	NS	100 J	78 J	79 J	380 U	30 J
Butylbenzylphthalate	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
3,3'-Dichlorobenzidine	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
Benzo(a)anthracene	ug/Kg	410 U	380 U	400 U	360 U	NS	50 J	32 J	31 J	380 U	420 U
Chrysene	ug/Kg	410 U	380 U	400 U	19 J	NS	68 J	55 J	52 J	380 U	20 J
bis(2-Ethylhexyl)phthalate	ug/Kg	410 U	380 U	700	430	NS	740	700	360 U	210 J	470
Di-n-octylphthalate	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
Benzo(b)fluoranthene	ug/Kg	410 U	380 U	400 U	360 U	NS	55 J	33 J	36 J	380 U	420 U
Benzo(k)fluoranthene	ug/Kg	410 U	380 U	400 U	360 U	NS	58 J	18 J	360 U	380 U	420 U
Benzo(a)pyrene	ug/Kg	410 U	380 U	400 U	360 U	NS	82 J	44 J	45 J	380 U	420 U
Indeno(1,2,3-cd)pyrene	ug/Kg	410 U	380 U	400 U	360 U	NS	52 J	390 U	360 U	380 U	420 U
Dibenz(a,h)anthracene	ug/Kg	410 U	380 U	400 U	360 U	NS	390 U	390 U	360 U	380 U	420 U
Benzo(g,h,i)perylene	ug/Kg	410 U	380 U	400 U	360 U	NS	39 J	27 J	360 U	380 U	420 U

SENECA ARMY DEPOT
SEAD-45 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-45 0-0.2 10/25/93 SS45-1 202506	SOIL SEAD-45 0-0.2 10/25/93 SS45-2 202507	SOIL SEAD-45 0-0.2 10/25/93 SS45-3 202508	SOIL SEAD-45 0-0.2 10/25/93 SS45-4 202509	SOIL SEAD-45 0-0.2 10/25/93 SS45-4RE 202509	SOIL SEAD-45 0-0.2 10/25/93 SS45-5 202512	SOIL SEAD-45 0-0.2 10/25/93 SS45-10 202517 SS45-5DUP	SOIL SEAD-45 0-0.2 10/25/93 SS45-6 202511	SOIL SEAD-45 0-0.2 10/25/93 SS45-7 202514	SOIL SEAD-45 0-0.2 10/25/93 SS45-8 202515	
PESTICIDES/PCB												
alpha-BHC	ug/Kg	2.1 U	2 U	2 U	1.8 U	NS	2 U	2 U	1.8 U	1.9 U	2.1 U	
beta-BHC	ug/Kg	2.1 U	2 U	2 U	1.8 U	NS	2 U	2 U	1.8 U	1.9 U	2.1 U	
delta-BHC	ug/Kg	2.1 U	2 U	2 U	1.8 U	NS	2 U	2 U	1.8 U	1.9 U	2.1 U	
gamma-BHC (Lindane)	ug/Kg	2.1 U	2 U	2 U	1.8 U	NS	2 U	2 U	1.8 U	1.9 U	2.1 U	
Heptachlor	ug/Kg	2.1 U	2 U	2 U	1.8 U	NS	2 U	2 U	1.8 U	1.9 U	2.1 U	
Aldrin	ug/Kg	2.1 U	2 U	2 U	1.8 U	NS	2 U	2 U	1.8 U	1.9 U	2.1 U	
Heptachlor epoxide	ug/Kg	2.1 U	2 U	2 U	1.8 U	NS	2 U	2 U	1.8 U	1.9 U	2.1 U	
Endosulfan I	ug/Kg	2.1 U	2 U	2 U	1.8 U	NS	1.8 J	2 U	1.8 U	1.9 U	2.1 U	
Dieldrin	ug/Kg	4.1 U	3.8 U	4 U	2.5 J	NS	3.9 U	3.8 U	3.2 J	3.8 U	4.1 U	
4,4'-DDE	ug/Kg	4.1 U	3.8 U	4 U	3.2 J	NS	3.9 U	3.4 J	4.2 J	3.8 U	4.1 U	
Endrin	ug/Kg	4.1 U	3.8 U	4 U	3.8 U	NS	3.9 U	3.8 U	3.6 U	3.8 U	4.1 U	
Endosulfan II	ug/Kg	4.1 U	3.8 U	4 U	3.6 U	NS	3.9 U	3.8 U	3.8 U	3.8 U	4.1 U	
4,4'-DDD	ug/Kg	4.1 U	3.8 U	4 U	3.6 U	NS	3.9 U	3.8 U	3.6 U	3.8 U	4.1 U	
Endosulfan sulfate	ug/Kg	4.1 U	3.8 U	4 U	3.6 U	NS	3.9 U	3.8 U	3.6 U	3.8 U	4.1 U	
4,4'-DDT	ug/Kg	4.1 U	3.8 U	4 U	3.6 U	NS	3.9 U	3.4 J	2.8 J	3.8 U	4.1 U	
Methoxychlor	ug/Kg	21 U	20 U	20 U	18 U	NS	20 U	20 U	19 U	21 U	21 U	
Endrin ketone	ug/Kg	4.1 U	3.8 U	4 U	3.6 U	NS	3.9 U	3.8 U	3.6 U	3.8 U	4.1 U	
Endrin aldehyde	ug/Kg	4.1 U	3.8 U	4 U	3.6 U	NS	3.9 U	3.8 U	3.6 U	3.8 U	4.1 U	
alpha-Chlordane	ug/Kg	2.1 U	2 U	2 U	1.5 J	NS	2 U	1.1 J	2 J	1.9 U	2.1 U	
gamma-Chlordane	ug/Kg	2.1 U	2 U	2 U	1.8 U	NS	2 U	2 U	1.8 U	1.9 U	2.1 U	
Toxaphene	ug/Kg	210 U	200 U	200 U	180 U	NS	200 U	200 U	180 U	190 U	210 U	
Aroclor-1016	ug/Kg	41 U	38 U	40 U	36 U	NS	39 U	38 U	36 U	38 U	41 U	
Aroclor-1221	ug/Kg	84 U	78 U	81 U	73 U	NS	80 U	78 U	73 U	77 U	84 U	
Aroclor-1232	ug/Kg	41 U	38 U	40 U	36 U	NS	39 U	38 U	36 U	38 U	41 U	
Aroclor-1242	ug/Kg	41 U	38 U	40 U	38 U	NS	39 U	38 U	36 U	38 U	41 U	
Aroclor-1248	ug/Kg	41 U	38 U	40 U	36 U	NS	39 U	38 U	36 U	38 U	41 U	
Aroclor-1254	ug/Kg	41 U	38 U	40 U	36 U	NS	39 U	110 J	36 U	38 U	41 U	
Aroclor-1260	ug/Kg	41 U	38 U	40 U	36 U	NS	39 U	38 U	36 U	38 U	41 U	
METALS												
Aluminum	mg/Kg	17300	19400	18900	14900	NS	17600	15600	16300	18000	18600	
Antimony	mg/Kg	10 UJ	11.5 UJ	10.8 UJ	7.9 UJ	NS	9.3 UJ	10.1 UJ	8.5 UJ	9.7 UJ	11.4 UJ	
Arsenic	mg/Kg	5	5.5	5.1	5.1	NS	6.2	8.4	5.5	6.8	6.4	
Barium	mg/Kg	122	194	115	143	NS	161	151	160	163	365	
Beryllium	mg/Kg	0.7 J	0.77 J	0.83 J	0.63 J	NS	0.72 J	0.7 J	0.71 J	0.82 J	0.69 J	
Cadmium	mg/Kg	2.8	2.4	1.1	3.9	NS	9.5 J	9.5 J	8.8	1.6 J	4.8 J	
Calcium	mg/Kg	6510	10300	21800	47000	NS	26000	47000	23400	6930	16800	
Chromium	mg/Kg	24.1	39.3	27.4	22.9	NS	26.9	23.8	24.2	24.8	27.2	
Cobalt	mg/Kg	10.8	24.3	14.1	12.4	NS	12.9	12.2	11.7	13.1	12.1	
Copper	mg/Kg	79.4	192	55.8	155	NS	538	405	491	69.8	293	
Iron	mg/Kg	25800	75700	30500	26700	NS	31400	30400	28100	29900	29400	
Lead	mg/Kg	20.4	15.7	12	34.9	NS	63.6	54.9	63.2	21.9	66.9	
Magnesium	mg/Kg	5530	5950	8790	8420	NS	7320	7000	6440	5170	6740	
Manganese	mg/Kg	562	1150	827	530	NS	575	599	555	1050	489	
Mercury	mg/Kg	0.43	0.63	0.17	0.43	NS	1.5 J	2.1 J	2.4	0.41 J	1.9 J	
Nickel	mg/Kg	29.4	41.3	40.5	35.2	NS	40.5	36.4	34.2	35.1	39.4	
Potassium	mg/Kg	2310	3140	2720	2100	NS	2140	1980	2060	2080	2530	
Selenium	mg/Kg	0.27 U	0.18 U	0.21 U	0.23 U	NS	0.18 UJ	0.22 UJ	0.18 U	0.22 UJ	0.24 UJ	
Silver	mg/Kg	1.3 UJ	1.5 UJ	2.1	1 UJ	NS	3.5 J	2.7 J	4.3	1.2 UJ	2.3 J	
Sodium	mg/Kg	67.1 J	100 J	114 J	142 J	NS	110 J	104 J	112 J	136 J	93.5 J	
Thallium	mg/Kg	0.29 UJ	0.2 UJ	0.23 UJ	0.25 UJ	NS	0.19 U	0.24 U	0.2 UJ	0.24 U	0.26 U	
Vanadium	mg/Kg	28.6	35.4	30.5	23.4	NS	27.9	25.8	27.3	32.5	30	
Zinc	mg/Kg	148	122	115	208	NS	427	361	347	126	306	
Cyanide	mg/Kg	0.56 U	0.57 U	0.58 U	0.54 U	NS	0.72 U	0.67 U	0.52 U	0.66 U	0.72 U	
OTHER ANALYSES												
Nitrate/Nitrite - Nitrogen	mg/Kg	0.42	0.38	0.05	1.34	NS	0.13	0.06	11.8	6	0.12	
Total Solids	%W/W	80.4	85.7	82.6	91.9	NS	84	84.2	91.6	87.4	78.7	
Total Petroleum Hydrocarbons	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Fluoride	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
pH	standard units	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

SENECA ARMY DEPOT
SEAD-45 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-45 0-0.2 10/25/93 SS45-9 202516	SOIL SEAD-45 3 11/08/93 TP45-1 203648-203648	SOIL SEAD-45 3 11/08/93 TP45-11 203656-203658	SOIL SEAD-45 3 11/08/93 TP45-2 203650-203652	SOIL SEAD-45 3 11/08/93 TP45-3 203654	SOIL SEAD-45 3 11/09/93 TP45-4 204026-204028	SOIL SEAD-45 3 11/09/93 TP45-5 204030-204032	
VOLATILE ORGANICS								
Chloromethane	ug/Kg	12 U	11 U	11 U	12 U	11 U	11 U	11 U
Bromomethane	ug/Kg	12 U	11 U	11 U	12 U	11 U	11 U	11 U
Vinyl Chloride	ug/Kg	12 U	11 U	11 U	12 U	11 U	11 U	11 U
Chloroethane	ug/Kg	12 U	11 U	11 U	12 U	11 U	11 U	11 U
Methylene Chloride	ug/Kg	12 U	11 U	11 U	12 U	11 U	11 U	11 U
Acetone	ug/Kg	12 U	11 U	11 U	12 U	31 U	11 U	11 U
Carbon Disulfide	ug/Kg	12 U	11 U	11 U	12 U	11 U	11 U	11 U
1,1-Dichloroethene	ug/Kg	12 U	11 U	11 U	12 U	11 U	11 U	11 U
1,1-Dichloroethane	ug/Kg	12 U	11 U	11 U	12 U	11 U	11 U	11 U
1,2-Dichloroethene (total)	ug/Kg	12 U	11 U	11 U	12 U	11 U	11 U	11 U
Chloroform	ug/Kg	12 U	11 U	11 U	12 U	11 U	11 U	11 U
1,2-Dichloroethane	ug/Kg	12 U	11 U	11 U	12 U	11 U	11 U	11 U
2-Butanone	ug/Kg	12 U	11 U	11 U	12 U	11 U	11 U	11 U
1,1,1-Trichloroethane	ug/Kg	12 U	11 U	11 U	12 U	11 U	11 U	11 U
Carbon Tetrachloride	ug/Kg	12 U	11 U	11 U	12 U	11 U	11 U	11 U
Bromodichloromethane	ug/Kg	12 U	11 U	11 U	12 U	11 U	11 U	11 U
1,2-Dichloropropane	ug/Kg	12 U	11 U	11 U	12 U	11 U	11 U	11 U
cis-1,3-Dichloropropene	ug/Kg	12 U	11 U	11 U	12 U	11 U	11 U	11 U
Trichloroethene	ug/Kg	12 U	11 U	11 U	12 U	11 U	11 U	11 U
Dibromochloromethane	ug/Kg	12 U	11 U	11 U	12 U	11 U	11 U	11 U
1,1,2-Trichloroethane	ug/Kg	12 U	11 U	11 U	12 U	11 U	11 U	11 U
Benzene	ug/Kg	12 U	11 U	11 U	12 U	11 U	11 U	11 U
trans-1,3-Dichloropropene	ug/Kg	12 U	11 U	11 U	12 U	11 U	11 U	11 U
Bromoform	ug/Kg	12 U	11 U	11 U	12 U	11 U	11 U	11 U
4-Methyl-2-Pentanone	ug/Kg	12 U	11 U	11 U	12 U	11 U	11 U	11 U
2-Hexanone	ug/Kg	12 U	11 U	11 U	12 U	11 U	11 U	11 U
Tetrachloroethene	ug/Kg	12 U	4 J	6 J	8 J	19	2 J	3 J
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	11 U	11 U	12 U	11 U	11 U	11 U
Toluene	ug/Kg	12 U	11 U	11 U	12 U	11 U	11 U	11 U
Chlorobenzene	ug/Kg	12 U	11 U	11 U	12 U	11 U	11 U	11 U
Ethylbenzene	ug/Kg	12 U	11 U	11 U	12 U	11 U	11 U	11 U
Styrene	ug/Kg	12 U	11 U	11 U	12 U	11 U	11 U	11 U
Xylene (total)	ug/Kg	12 U	11 U	11 U	12 U	11 U	11 U	11 U
MTBE	ug/Kg	NS	NS	NS	NS	NS	NS	NS
HERBICIDES								
2,4-D	ug/Kg	59 U	56 U	55 U	58 U	60 U	69 U	56 U
2,4-DB	ug/Kg	59 U	56 U	55 U	58 U	60 U	69 U	56 U
2,4,5-T	ug/Kg	5.9 U	5.6 U	5.5 U	5.8 U	6 U	6.9 U	5.6 U
2,4,5-TP (Silvex)	ug/Kg	5.9 U	5.6 U	5.5 U	5.8 U	6 U	6.9 U	5.6 U
Dalapon	ug/Kg	150 U	140 U	140 U	140 U	150 U	170 U	140 U
Dicamba	ug/Kg	5.9 U	5.6 U	5.5 U	5.8 U	6 U	6.9 U	5.6 U
Dichloroprop	ug/Kg	59 U	56 U	55 U	58 U	60 U	69 U	56 U
Dinoseb	ug/Kg	30 U	28 U	28 U	29 U	30 U	35 U	28 U
MCPA	ug/Kg	5900 U	5600 U	5500 U	5800 U	6000 U	6900 U	5600 U
MCPP	ug/Kg	5900 U	5600 U	5500 U	5800 U	6000 U	6900 U	5600 U
NITROAROMATICS								
HMX	ug/Kg	130 UJ	250 J	430 J	470 J	240 J	350	200
RDX	ug/Kg	5800 J	2500 J	1600 J	2700 J	2500 J	4300	1300
1,3,5-Trinitrobenzene	ug/Kg	130 UJ	150 J	170 J	190 J	130 UJ	180	140
1,3-Dinitrobenzene	ug/Kg	130 UJ	130 UJ	130 UJ	130 UJ	130 UJ	130 U	130 U
Tetryl	ug/Kg	130 UJ	130 UJ	130 UJ	130 UJ	130 UJ	130 U	180 J
2,4,6-Trinitrotoluene	ug/Kg	1400 J	330 J	340 J	600 J	400 J	330	280
4-amino-2,6-Dinitrotoluene	ug/Kg	270 J	130 UJ	130 UJ	130 UJ	130 UJ	130 U	130 U
2-amino-4,6-Dinitrotoluene	ug/Kg	130 UJ	430 J	430 J	680 J	530 J	480	350
2,6-Dinitrotoluene	ug/Kg	130 UJ	130 UJ	130 UJ	130 UJ	130 UJ	130 U	130 U
2,4-Dinitrotoluene	ug/Kg	130 UJ	130 UJ	140 J	190 J	120 J	110 J	90 J

SENECA ARMY DEPOT
SEAD-45 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-45 0-0.2 10/25/93 SS45-9 202516	SOIL SEAD-45 3 11/08/93 TP45-1 203646-203648	SOIL SEAD-45 3 11/08/93 TP45-11 203656-203658	SOIL SEAD-45 3 11/08/93 TP45-2 203650-203652	SOIL SEAD-45 3 11/08/93 TP45-3 203654	SOIL SEAD-45 3 11/09/93 TP45-4 204026-204028	SOIL SEAD-45 3 11/09/93 TP45-5 204030-204032
SEMIVOLATILE ORGANICS							
Phenol	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
bis(2-Chloroethyl) ether	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
2-Chlorophenol	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
1,3-Dichlorobenzene	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
1,4-Dichlorobenzene	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
1,2-Dichlorobenzene	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
2-Methylphenol	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
2,2'-oxybis(1-Chloropropane)	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
4-Methylphenol	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
N-Nitroso-di-n-propylamine	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
Hexachloroethane	ug/Kg 390 U	72 J	68 J	1900 U	1100	41 J	36 J
Nitrobenzene	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
Isophorone	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
2-Nitrophenol	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
2,4-Dimethylphenol	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
bis(2-Chloroethoxy) methane	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
2,4-Dichlorophenol	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
1,2,4-Trichlorobenzene	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
Naphthalene	ug/Kg 390 U	30 J	27 J	1900 U	24 J	30 J	370 U
4-Chloroaniline	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
Hexachlorobutadiene	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
4-Chloro-3-methylphenol	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
2-Methylnaphthalene	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
Hexachlorocyclopentadiene	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
2,4,6-Trichlorophenol	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
2,4,5-Trichlorophenol	ug/Kg 940 U	890 U	880 U	4600 U	960 U	1100 U	900 U
2-Chloronaphthalene	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
2-Nitroaniline	ug/Kg 940 U	890 U	880 U	4600 U	960 U	1100 U	900 U
Dimethylphthalate	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
Acenaphthylene	ug/Kg 390 U	19 J	17 J	1900 U	400 U	460 U	370 U
2,6-Dinitrotoluene	ug/Kg 390 U	370 U	360 U	700 J	400 U	460 U	370 U
3-Nitroaniline	ug/Kg 940 U	890 U	880 U	4600 U	960 U	1100 U	900 U
Acenaphthene	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
2,4-Dinitrophenol	ug/Kg 940 U	890 U	880 U	4600 U	960 U	1100 U	900 U
4-Nitrophenol	ug/Kg 940 U	890 U	880 U	4600 U	960 U	1100 U	900 U
Dibenzofuran	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
2,4-Dinitrotoluene	ug/Kg 390 U	100 J	190 J	14000	84 J	59 J	230 J
Diethylphthalate	ug/Kg 390 U	370 U	360 U	1900 U	400 U	35 J	370 U
4-Chlorophenyl-phenylether	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
Fluorene	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
4-Nitroaniline	ug/Kg 940 U	890 U	880 U	4600 U	960 U	1100 U	900 U
4,6-Dinitro-2-methylphenol	ug/Kg 940 U	890 U	880 U	4600 U	960 U	1100 U	900 U
N-Nitrosodiphenylamine	ug/Kg 390 U	370 U	30 J	1600 U	20 J	460 U	25 J
4-Bromophenyl-phenylether	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
Hexachlorobenzene	ug/Kg 30 J	62 J	54 J	1900 U	52 J	48 J	42 J
Pentachlorophenol	ug/Kg 940 U	890 U	880 U	4600 U	960 U	1100 U	900 U
Phenanthrene	ug/Kg 18 J	46 J	38 J	1900 U	38 J	44 J	34 J
Anthracene	ug/Kg 390 U	17 J	360 U	1900 U	400 U	460 U	370 U
Carbazole	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
Di-n-butylphthalate	ug/Kg 390 U	35 J	170 J	6800	27 J	75 J	230 J
Fluoranthene	ug/Kg 30 J	59 J	50 J	1900 U	52 J	68 J	58 J
Pyrene	ug/Kg 36 J	110 J	98 J	100 J	90 J	110 J	97 J
Butylbenzylphthalate	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
3,3'-Dichlorobenzidine	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
Benzo(a)anthracene	ug/Kg 390 U	32 J	30 J	1900 U	22 J	36 J	32 J
Chrysene	ug/Kg 27 J	46 J	44 J	1900 U	37 J	51 J	47 J
bis(2-Ethylhexyl)phthalate	ug/Kg 350 J	65 J	50 J	1900 U	400 U	460 U	370 U
Di-n-octylphthalate	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
Benzo(b)fluoranthene	ug/Kg 20 J	38 J	36 J	1900 U	24 J	39 J	42 J
Benzo(k)fluoranthene	ug/Kg 390 U	28 J	26 J	1900 U	21 J	34 J	23 J
Benzo(a)pyrene	ug/Kg 390 U	46 J	41 J	1900 U	28 J	45 J	42 J
Indeno(1,2,3-cd)pyrene	ug/Kg 390 U	37 J	360 U	1900 U	400 U	29 J	26 J
Dibenz(a,h)anthracene	ug/Kg 390 U	370 U	360 U	1900 U	400 U	460 U	370 U
Benzo(g,h,i)perylene	ug/Kg 390 U	66 J	58 J	1900 U	34 J	53 J	45 J

SENECA ARMY DEPOT
SEAD-45 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-45 0-0.2 10/25/93 ES ID SS45-9 LAB ID 202516	SOIL SEAD-45 3 11/08/93 TP45-1 203646-203648	SOIL SEAD-45 3 11/08/93 TP45-11 203656-203658	SOIL SEAD-45 3 11/08/93 TP45-2 203650-203652	SOIL SEAD-45 3 11/08/93 TP45-3 203654	SOIL SEAD-45 3 11/09/93 TP45-4 204026-204028	SOIL SEAD-45 3 11/09/93 TP45-5 204030-204032	
COMPOUND	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	
PESTICIDES/PCB								
alpha-BHC	ug/Kg	2 U R	1.9 U	1.9 U	2 U	2.4 U	1.9 U	
beta-BHC	ug/Kg	2 U R	1.9 U	1.9 U	2 U	2.4 U	1.9 U	
delta-BHC	ug/Kg	2 U R	1.9 U	1.9 U	2 U	2.4 U	1.9 U	
gamma-BHC (Lindane)	ug/Kg	2 U R	1.9 U	1.9 U	2 U	2.4 U	1.9 U	
Heptachlor	ug/Kg	2 U R	1.9 U	1.9 U	2 U	2.4 U	1.9 U	
Aldrin	ug/Kg	2 U R	1.9 U	1.9 U	2 U	2.4 U	1.9 U	
Heptachlor epoxide	ug/Kg	2 U R	1.9 U	1.9 U	2 U	2.4 U	1.9 U	
Endosulfan I	ug/Kg	1 J	1.9 J	2.2 J	1.9 J	1.6 J	1.9 U	
Dieldrin	ug/Kg	3.8 U R	3.7 U	3.6 U	3.8 U	4 U	3.7 U	
4,4'-DDE	ug/Kg	3.3 J	3.7 U	3.6 U	3.8 U	4 U	3.2 J	
Endrin	ug/Kg	3.8 U R	3.7 U	3.6 U	3.8 U	4 U	4.6 U	
Endosulfan II	ug/Kg	3.8 U R	3.7 U	3.6 U	3.8 U	4 U	4.6 U	
4,4'-DDD	ug/Kg	3.8 U R	3.7 U	3.6 U	3.8 U	4 U	4.6 U	
Endosulfan sulfate	ug/Kg	3.8 U R	3.7 U	3.6 U	3.8 U	4 U	4.6 U	
4,4'-DDT	ug/Kg	3.8 U R	3.7 U	2.3 J	3.8 U	2.9 J	4.6 U	
Methoxychlor	ug/Kg	20 U R	19 U	19 U	20 U	20 U	19 U	
Endrin ketone	ug/Kg	3.8 U R	3.7 U	3.6 U	3.8 U	4 U	4.6 U	
Endrin aldehyde	ug/Kg	3.8 U R	3.7 U	3.6 U	3.8 U	4 U	4.6 U	
alpha-Chlordane	ug/Kg	2 U R	1.9 U	1.9 U	2 U	2 U	2.4 U	
gamma-Chlordane	ug/Kg	2 U R	1.9 U	1.9 U	2 U	2 U	2.4 U	
Toxaphene	ug/Kg	200 U R	190 U	190 U	200 U	200 U	240 U	
Aroclor-1016	ug/Kg	38 U R	37 U	36 U	38 U	40 U	46 U	
Aroclor-1221	ug/Kg	78 U R	74 U	74 U	77 U	81 U	93 U	
Aroclor-1232	ug/Kg	38 U R	37 U	36 U	38 U	40 U	46 U	
Aroclor-1242	ug/Kg	38 U R	37 U	36 U	38 U	40 U	46 U	
Aroclor-1246	ug/Kg	38 U R	37 U	36 U	38 U	40 U	46 U	
Aroclor-1254	ug/Kg	38 U R	37 U	36 U	38 U	40 U	46 U	
Aroclor-1260	ug/Kg	38 U R	37 U	36 U	38 U	40 U	46 U	
METALS								
Aluminum	mg/Kg	17800	20100	16500	20800	22800	20600	17300
Antimony	mg/Kg	9.4 UJ	9.7 UJ	7.6 UJ	12.1 UJ	12.4 UJ	10.2 U	9.2 U
Arsenic	mg/Kg	6.1	6.8	6.3	7.1	8.2	6 J	5.1 J
Barium	mg/Kg	202	208	177	201	248	216	174
Beryllium	mg/Kg	0.79 J	0.9 J	0.6	0.91 J	1.1 J	0.94 J	0.8 J
Cadmium	mg/Kg	5.5 J	10.4 J	9.8 J	9.5 J	13.1 J	10.9 R	7.4 R
Calcium	mg/Kg	22600	42700	31500	26400	32500	36400	32100
Chromium	mg/Kg	27.4	31.3	25.7	30.1	35.5	32.1	27.6
Cobalt	mg/Kg	15	13.2	13.2	12.8	16.9	15.3	12.1
Copper	mg/Kg	267	722	555	581	791	1240 J	449 J
Iron	mg/Kg	32500	35700	31900	31500	41300	37600	31600
Lead	mg/Kg	77.7	54.1	73.3	69.4	87.8	74.7	61.9
Magnesium	mg/Kg	7110	7910	7780	7800	9270	8940	7570
Manganese	mg/Kg	912	1380	613	605	827	726	600
Mercury	mg/Kg	1.9 J	3.1 J	1.4 J	3.1 J	4 J	3.6	4.3
Nickel	mg/Kg	42.5	41.8	39.1	40.5	51	48.3	39.2
Potassium	mg/Kg	2260	3040	1960	3280	3010	2400	1960
Selenium	mg/Kg	0.24 UJ	0.23 UJ	0.15 UJ	0.16 UJ	0.23 UJ	0.27 UJ	0.2 UJ
Silver	mg/Kg	1.3 J	3.2 J	4.7 J	5 J	6.6 J	26.2 J	3.9 J
Sodium	mg/Kg	93.4 J	141 J	105 J	116 J	135 J	136 J	122 J
Thallium	mg/Kg	0.26 U	0.25 U	0.16 U	0.17 U	0.25 U	0.29 UJ	0.22 UJ
Vanadium	mg/Kg	28.9	32.4	26.7	34.4	38	32.6	27.3
Zinc	mg/Kg	383	345	360	390	538	557 J	333 J
Cyanide	mg/Kg	0.7 U	0.7	0.54 U	0.55 U	0.55 U	0.62	0.51 U
OTHER ANALYSES								
Nitrate/Nitrite - Nitrogen	mg/Kg	0.55	27	28	19.5	18.8	9.8	13.3
Total Solids	%W/W	85.2	90.3	90.7	86.7	82.9	72.2	89.3
Total Petroleum Hydrocarbons	mg/Kg	NS	NS	NS	NS	NS	NS	NS
Fluoride	mg/Kg	NS	NS	NS	NS	NS	NS	NS
pH	standard units	NS	NS	NS	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-45 EXPANDED SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

MATRIX LOCATION	WATER SEAD-45	WATER SEAD-45	WATER SEAD-45	WATER SEAD-45/OD	WATER SEAD-45/OD	WATER SEAD-45/OD	WATER SEAD-45/OD	WATER SEAD-45/OD	WATER SEAD-45/OD	
SAMPLE DATE	02/03/94	02/03/94	01/26/94	02/01/94	02/01/94	02/02/94	02/01/94	02/02/94	02/02/94	
ES ID	MW45-2	MW45-3	MW45-4	MW1	MW1RE	MW2	MW3	MW4	MW5	
LAB ID	210258	210259	209413	210059	210059	210193	210060	210194	210195	
COMPOUND	UNITS									
VOLATILE ORGANICS										
Chloromethane	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U	1 J	NS	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U
MTBE	ug/L	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES										
2,4-D	ug/L	1.1 U	1.1 U	1.1 U	1.1 U	NS	1.2 U	1.1 U	1.2 U	1.1 U
2,4-DB	ug/L	1.1 U	1.1 U	1.1 U	1.1 U	NS	1.2 U	1.1 U	1.2 U	1.1 U
2,4,5-T	ug/L	0.11 U	0.11 U	0.11 U	0.11 U	NS	0.12 U	0.11 U	0.12 U	0.11 U
2,4,5-TP (Silvex)	ug/L	0.11 U	0.11 U	0.11 U	0.11 U	NS	0.12 U	0.11 U	0.12 U	0.11 U
Dalapon	ug/L	2.5 U	2.5 U	2.5 U	2.5 U	NS	2.7 U	2.4 U	2.7 U	2.5 U
Dicamba	ug/L	0.11 U	0.11 U	0.11 U	0.11 U	NS	0.12 U	0.11 U	0.12 U	0.11 U
Dichloroprop	ug/L	1.1 U	1.1 U	1.1 U	1.1 U	NS	1.2 U	1.1 U	1.2 U	1.1 U
Dinoseb	ug/L	0.54 U	0.54 U	0.54 U	0.54 U	NS	0.58 U	0.52 U	0.59 U	0.55 U
MCPA	ug/L	110 U	110 U	110 U	110 U	NS	120 U	110 U	120 U	110 U
MCPP	ug/L	110 U	110 U	110 U	110 U	NS	120 U	110 U	120 U	110 U
NITROAROMATICS										
HMX	ug/L	0.13 UJ	0.13 U	0.13 U	0.5	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
RDX	ug/L	0.13 UJ	0.13 U	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 UJ	0.13 U	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 UJ	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.067 J
Tetryl	ug/L	0.13 UJ	0.13 U	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 UJ	0.13 U	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 UJ	0.13 U	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 UJ	0.13 U	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 UJ	0.13 U	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 UJ	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U

NOTES:
NS stands for NOT SAMPLED
NA stands for NOT ANALYZED
NR stands for NOT RECORDED

SENECA ARMY DEPOT
SEAD-45 EXPANDED SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID UNITS	WATER SEAD-45 02/03/94 MW45-2 210258	WATER SEAD-45 02/03/94 MW45-3 210259	WATER SEAD-45 01/26/94 MW45-4 209413	WATER SEAD-45/OD 02/01/94 MW1 210059	WATER SEAD-45/OD 02/01/94 MW1RE 210059	WATER SEAD-45/OD 02/02/94 MW2 210193	WATER SEAD-45/OD 02/01/94 MW3 210060	WATER SEAD-45/OD 02/02/94 MW4 210194	WATER SEAD-45/OD 02/02/94 MW5 210195
SEMIVOLATILE ORGANICS										
Phenol	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
bis(2-Chloroethyl) ether	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
2-Chlorophenol	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
1,3-Dichlorobenzene	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
1,4-Dichlorobenzene	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
1,2-Dichlorobenzene	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
2-Methylphenol	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
4-Methylphenol	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
Hexachloroethane	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
Nitrobenzene	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
Isophorone	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
2-Nitrophenol	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
2,4-Dimethylphenol	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
bis(2-Chloroethoxy) methane	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
2,4-Dichlorophenol	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
Naphthalene	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
4-Chloroaniline	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
Hexachlorobutadiene	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
2-Methylnaphthalene	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	ug/L	27 U	27 U	27 U	25 U	NS	28 U	25 U	26 U	26 U
2-Chloronaphthalene	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
2-Nitroaniline	ug/L	27 U	27 U	27 U	25 U	NS	28 U	25 U	26 U	26 U
Dimethylphthalate	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
Acenaphthylene	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
2,6-Dinitrotoluene	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
3-Nitroaniline	ug/L	27 U	27 U	27 U	25 U	NS	28 U	25 U	26 U	26 U
Acenaphthene	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
2,4-Dinitrophenol	ug/L	27 U	27 U	27 U	25 U	NS	28 U	25 U	26 U	26 U
4-Nitrophenol	ug/L	27 U	27 U	27 U	25 U	NS	28 U	25 U	26 U	26 U
Dibenzofuran	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
2,4-Dinitrotoluene	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
Diethylphthalate	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
Fluorene	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
4-Nitroaniline	ug/L	27 U	27 U	27 U	25 U	NS	28 U	25 U	26 U	26 U
4,6-Dinitro-2-methylphenol	ug/L	27 U	27 U	27 U	25 U	NS	28 U	25 U	26 U	26 U
N-Nitrosodiphenylamine	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
Hexachlorobenzene	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
Pentachlorophenol	ug/L	27 U	27 U	27 U	25 U	NS	28 U	25 U	26 U	26 U
Phenanthrene	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
Anthracene	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
Carbazole	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
Di-n-butylphthalate	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
Fluoranthene	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
Pyrene	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
Butylbenzyl phthalate	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
Benzo(a)anthracene	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
Chrysene	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	23	11 U	11 U	33	NS	11 U	12	11	10 U
Di-n-octylphthalate	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
Benzo(b)fluoranthene	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
Benzo(k)fluoranthene	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
Benzo(a)pyrene	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	ug/L	11 U	11 U	11 U	10 U	NS	11 U	10 U	10 U	10 U

SENECA ARMY DEPOT
SEAD-45 EXPANDED SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

MATRIX LOCATION SAMPLE DATE ES ID LAB ID UNITS	WATER SEAD-45 02/03/94 MW45-2 210258	WATER SEAD-45 02/03/94 MW45-3 210259	WATER SEAD-45 01/26/94 MW45-4 209413	WATER SEAD-45/OD 02/01/94 MW1 210059	WATER SEAD-45/OD 02/01/94 MW1RE 210059	WATER SEAD-45/OD 02/02/94 MW2 210193	WATER SEAD-45/OD 02/01/94 MW3 210060	WATER SEAD-45/OD 02/02/94 MW4 210194	WATER SEAD-45/OD 02/02/94 MW5 210195	
PESTICIDES/PCB										
alpha-BHC	ug/L	0.056 U	0.059 U	0.056 UJ	0.068 U	NS	0.057 U	0.052 U	0.059 U	0.054 U
beta-BHC	ug/L	0.056 U	0.059 U	0.056 UJ	0.068 U	NS	0.057 UJ	0.052 U	0.059 U	0.054 U
delta-BHC	ug/L	0.056 U	0.059 U	0.056 UJ	0.068 U	NS	0.057 U	0.052 U	0.059 U	0.054 U
gamma-BHC (Lindane)	ug/L	0.056 U	0.059 U	0.056 UJ	0.068 U	NS	0.057 U	0.052 U	0.059 U	0.054 U
Heptachlor	ug/L	0.056 U	0.059 U	0.056 UJ	0.068 U	NS	0.057 U	0.052 U	0.059 U	0.054 U
Aldrin	ug/L	0.056 U	0.059 U	0.056 UJ	0.068 U	NS	0.057 U	0.052 U	0.059 U	0.054 U
Heptachlor epoxide	ug/L	0.056 U	0.059 U	0.056 UJ	0.068 U	NS	0.057 U	0.052 U	0.059 U	0.054 U
Endosulfan I	ug/L	0.056 U	0.059 U	0.056 UJ	0.068 U	NS	0.057 U	0.052 U	0.059 U	0.054 U
Dieldrin	ug/L	0.11 U	0.12 U	0.11 UJ	0.14 U	NS	0.11 U	0.11 U	0.12 U	0.11 U
4,4'-DDE	ug/L	0.11 U	0.12 U	0.11 UJ	0.14 U	NS	0.11 U	0.11 U	0.12 U	0.11 U
Endrin	ug/L	0.11 U	0.12 U	0.11 UJ	0.14 U	NS	0.11 U	0.11 U	0.12 U	0.11 U
Endosulfan II	ug/L	0.11 U	0.12 U	0.11 UJ	0.14 U	NS	0.11 U	0.11 U	0.12 U	0.11 U
4,4'-DDD	ug/L	0.11 U	0.12 U	0.11 UJ	0.14 U	NS	0.11 U	0.11 U	0.12 U	0.11 U
Endosulfan sulfate	ug/L	0.11 U	0.12 U	0.11 UJ	0.14 U	NS	0.11 U	0.11 U	0.12 U	0.11 U
4,4'-DDT	ug/L	0.11 U	0.12 U	0.11 UJ	0.14 U	NS	0.11 U	0.11 U	0.12 U	0.11 U
Methoxychlor	ug/L	0.56 U	0.59 U	0.56 UJ	0.68 U	NS	0.57 U	0.52 U	0.59 U	0.54 U
Endrin ketone	ug/L	0.11 U	0.12 U	0.11 UJ	0.14 U	NS	0.11 U	0.11 U	0.12 U	0.11 U
Endrin aldehyde	ug/L	0.11 U	0.12 U	0.11 UJ	0.14 U	NS	0.11 U	0.11 U	0.12 U	0.11 U
alpha-Chlordane	ug/L	0.056 U	0.059 U	0.056 UJ	0.068 U	NS	0.057 U	0.052 U	0.059 U	0.054 U
gamma-Chlordane	ug/L	0.056 U	0.059 U	0.056 UJ	0.068 U	NS	0.057 U	0.052 U	0.059 U	0.054 U
Toxaphene	ug/L	5.6 U	5.9 U	5.6 UJ	6.8 U	NS	5.7 U	5.2 U	5.9 U	5.4 U
Aroclor-1016	ug/L	1.1 U	1.2 U	1.1 UJ	1.4 U	NS	1.1 U	1 U	1.2 U	1.1 U
Aroclor-1221	ug/L	2.2 U	2.4 U	2.2 UJ	2.7 U	NS	2.3 U	2.1 U	2.4 U	2.2 U
Aroclor-1232	ug/L	1.1 U	1.2 U	1.1 UJ	1.4 U	NS	1.1 U	1 U	1.2 U	1.1 U
Aroclor-1242	ug/L	1.1 U	1.2 U	1.1 UJ	1.4 U	NS	1.1 U	1 U	1.2 U	1.1 U
Aroclor-1248	ug/L	1.1 U	1.2 U	1.1 UJ	1.4 U	NS	1.1 U	1 U	1.2 U	1.1 U
Aroclor-1254	ug/L	1.1 U	1.2 U	1.1 UJ	1.4 U	NS	1.1 U	1 U	1.2 U	1.1 U
Aroclor-1260	ug/L	1.1 U	1.2 U	1.1 UJ	1.4 U	NS	1.1 U	1 U	1.2 U	1.1 U
METALS										
Aluminum	ug/L	42 U	7510	83300	124 J	NS	828	83.5 J	17700	821
Antimony	ug/L	26.8 J R	36.7 J R	21.8 UJ	24.3 J R	NS	23.1 J R	52.1 J R	49.6 J R	28.1 J R
Arsenic	ug/L	1.4 U	1.8 J	9.5 J	1.4 U	NS	1.4 U	1.4 U	1.7 J	1.4 U
Barium	ug/L	27.2 J	62.1 J	751	56.5 J	NS	50.8 J	25.5 J	195 J	82.6 J
Beryllium	ug/L	0.4 U	0.52 J	5	0.4 U	NS	0.4 U	0.4 U	0.87 J	0.4 U
Cadmium	ug/L	2.9 J	3.2 J	2.1 U	2.2 J	NS	2.1 U	2.1 U	3.8 J	2.1 U
Calcium	ug/L	232000	211000	660000	118000	NS	94600	91700	152000	123000
Chromium	ug/L	2.6 U	16.1	106	2.6 U	NS	4.1 J	2.6 U	28.9	2.6 J
Cobalt	ug/L	4.4 U	14.6 J	94.4	4.4 U	NS	5.3 J	4.4 U	11 J	4.4 U
Copper	ug/L	3.1 U	11.9 J R	123	3.1 U	NS	7.2 J R	3.9 J R	79.2	3.1 U
Iron	ug/L	48.5 J R	14100	113000	207	NS	940	109	27500	1220
Lead	ug/L	0.71 J R	9.5	75.6	0.71 J R	NS	0.66 J R	0.73 J R	15.7	1.1 J R
Magnesium	ug/L	57800	77900	73500	26400	NS	15700	15800	31600	27700
Manganese	ug/L	1400	625	4640	4.4 J	NS	23.7	2.9 J	384	55
Mercury	ug/L	0.04 U	0.08 J R	0.29	0.04 U	NS	0.04 U	0.04 U	1.8	0.04 U
Nickel	ug/L	10.2 J	30.7 J	209	4 U	NS	4 U	4 U	43.9	4 U
Potassium	ug/L	9660	18700	13900	910 U	NS	1050 J	904 U	6540	907 U
Selenium	ug/L	2.5 J	1.9 J	0.7 U	0.99 J	NS	0.7 U	0.7 U	1.9 J	1.5 J
Silver	ug/L	4.2 U	4.2 U	4.2 U	4.2 U	NS	4.2 U	4.2 U	4.6 J	4.2 U
Sodium	ug/L	40000	18600	17300	10000	NS	13100	3400 J R	15800	16100
Thallium	ug/L	1.2 U	1.2 U	1.2 U	1.2 U	NS	1.2 U	1.2 U	1.2 U	1.2 U
Vanadium	ug/L	3.7 U	11.7 J	93.1	3.7 U	NS	3.7 U	3.7 U	29.7 J	3.7 U
Zinc	ug/L	31.6 R	81.1	321	15.3 J R	NS	23 R	14 J R	164	24.5 R
Cyanide	ug/L	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U
OTHER ANALYSES										
Nitrate/Nitrite - Nitrogen	mg/L	0.41	0.12	0.02	1.23	NS	0.06	0.15	0.13	8.7
Total Petroleum Hydrocarbons	mg/L	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoride	mg/L	NS	NS	NS	NS	NS	NS	NS	NS	NS
pH	standard units	NR	7.5	7.31	7.5	NS	7.49	7.53	7.43	7.54
Specific Conductance	umhos/cm	NR	750	600	455	NS	315	340	450	465
Turbidity	NTU	0.4	368	9860	9.4	NS	4.4	3.4	193	107

SENECA ARMY DEPOT
SEAD-45 EXPANDED SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID UNITS	WATER SEAD-45 11/01/93 SW45-1 202940	WATER SEAD-45 11/01/93 SW45-2 202941	WATER SEAD-45 11/01/93 SW45-3 202942	WATER SEAD-45 11/01/93 SW45-4 202943
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
MTBE	ug/L	NS	NS	NS	NS
HERBICIDES					
2,4-D	ug/L	1.2 U	1.2 U	1.1 U	1.1 U
2,4-DB	ug/L	1.2 U	1.2 U	1.1 U	1.1 U
2,4,5-T	ug/L	0.12 U	0.12 U	0.11 U	0.11 U
2,4,5-TP (Silvex)	ug/L	0.12 U	0.12 U	0.11 U	0.11 U
Dalapon	ug/L	2.6 U	2.6 U	2.5 U	2.4 U
Dicamba	ug/L	0.12 U	0.12 U	0.11 U	0.11 U
Dichloroprop	ug/L	1.2 U	1.2 U	1.1 U	1.1 U
Dinoseb	ug/L	0.56 U	0.56 U	0.54 U	0.52 U
MCPA	ug/L	120 U	120 U	110 U	110 U
MCPP	ug/L	120 U	120 U	110 U	110 U
NITROAROMATICS					
HMX	ug/L	0.13 U	0.45	0.49	0.13 U
RDX	ug/L	0.24 J	2	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	0.13 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
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

NOTES:

NS stands for NOT SAMPLED
NA stands for NOT ANALYZED

SENECA ARMY DEPOT
SEAD-45 EXPANDED SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID UNITS	WATER SEAD-45 11/01/93 SW45-1 202940	WATER SEAD-45 11/01/93 SW45-2 202941	WATER SEAD-45 11/01/93 SW45-3 202942	WATER SEAD-45 11/01/93 SW45-4 202943
SEMIVOLATILE ORGANICS					
Phenol	ug/L	10 U	11 U	11 U	10 U
bis(2-Chloroethyl) ether	ug/L	10 U	11 U	11 U	10 U
2-Chlorophenol	ug/L	10 U	11 U	11 U	10 U
1,3-Dichlorobenzene	ug/L	10 U	11 U	11 U	10 U
1,4-Dichlorobenzene	ug/L	10 U	11 U	11 U	10 U
1,2-Dichlorobenzene	ug/L	10 U	11 U	11 U	10 U
2-Methylphenol	ug/L	10 U	11 U	11 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	11 U	11 U	10 U
4-Methylphenol	ug/L	10 U	11 U	11 U	10 U
N-Nitroso-d-n-propylamine	ug/L	10 U	11 U	11 U	10 U
Hexachloroethane	ug/L	10 U	11 U	11 U	10 U
Nitrobenzene	ug/L	10 U	11 U	11 U	10 U
Isophorone	ug/L	10 U	11 U	11 U	10 U
2-Nitrophenol	ug/L	10 U	11 U	11 U	10 U
2,4-Dimethylphenol	ug/L	10 U	11 U	11 U	10 U
bis(2-Chloroethoxy) methane	ug/L	10 U	11 U	11 U	10 U
2,4-Dichlorophenol	ug/L	10 U	11 U	11 U	10 U
1,2,4-Trichlorobenzene	ug/L	10 U	11 U	11 U	10 U
Naphthalene	ug/L	10 U	11 U	11 U	10 U
4-Chloroaniline	ug/L	10 U	11 U	11 U	10 U
Hexachlorobutadiene	ug/L	10 U	11 U	11 U	10 U
4-Chloro-3-methylphenol	ug/L	10 U	11 U	11 U	10 U
2-Methylnaphthalene	ug/L	10 U	11 U	11 U	10 U
Hexachlorocyclopentadiene	ug/L	10 U	11 U	11 U	10 U
2,4,6-Trichlorophenol	ug/L	10 U	11 U	11 U	10 U
2,4,5-Trichlorophenol	ug/L	26 U	27 U	26 U	25 U
2-Chloronaphthalene	ug/L	10 U	11 U	11 U	10 U
2-Nitroaniline	ug/L	26 U	27 U	26 U	25 U
Dimethylphthalate	ug/L	10 U	11 U	11 U	10 U
Acenaphthylene	ug/L	10 U	11 U	11 U	10 U
2,6-Dinitrotoluene	ug/L	10 U	11 U	11 U	10 U
3-Nitroaniline	ug/L	26 U	27 U	26 U	25 U
Acenaphthene	ug/L	10 U	11 U	11 U	10 U
2,4-Dinitrophenol	ug/L	26 U	27 U	26 U	25 U
4-Nitrophenol	ug/L	26 U	27 U	26 U	25 U
Dibenzofuran	ug/L	10 U	11 U	11 U	10 U
2,4-Dinitrotoluene	ug/L	10 U	11 U	11 U	10 U
Diethylphthalate	ug/L	10 U	11 U	11 U	10 U
4-Chlorophenyl-phenylether	ug/L	10 U	11 U	11 U	10 U
Fluorene	ug/L	10 U	11 U	11 U	10 U
4-Nitroaniline	ug/L	26 U	27 U	26 U	25 U
4,6-Dinitro-2-methylphenol	ug/L	26 U	27 U	26 U	25 U
N-Nitrosodiphenylamine	ug/L	10 U	11 U	11 U	10 U
4-Bromophenyl-phenylether	ug/L	10 U	11 U	11 U	10 U
Hexachlorobenzene	ug/L	10 U	11 U	11 U	10 U
Pentachlorophenol	ug/L	26 U	27 U	26 U	25 U
Phenanthrene	ug/L	10 U	11 U	11 U	10 U
Anthracene	ug/L	10 U	11 U	11 U	10 U
Carbazole	ug/L	10 U	11 U	11 U	10 U
Di-n-butylphthalate	ug/L	10 U	11 U	11 U	10 U
Fluoranthene	ug/L	10 U	11 U	11 U	10 U
Pyrene	ug/L	10 U	11 U	11 U	10 U
Butylbenzylphthalate	ug/L	10 U	11 U	11 U	10 U
3,3'-Dichlorobenzidine	ug/L	10 U	11 U	11 U	10 U
Benzo(a)anthracene	ug/L	10 U	11 U	11 U	10 U
Chrysene	ug/L	10 U	11 U	11 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	11 U	11 U	10 U
Di-n-octylphthalate	ug/L	10 U	11 U	11 U	10 U
Benzo(b)fluoranthene	ug/L	10 U	11 U	11 U	10 U
Benzo(k)fluoranthene	ug/L	10 U	11 U	11 U	10 U
Benzo(a)pyrene	ug/L	10 U	11 U	11 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	11 U	11 U	10 U
Dibenz(a,h)anthracene	ug/L	10 U	11 U	11 U	10 U
Benzo(g,h,i)perylene	ug/L	10 U	11 U	11 U	10 U

SENECA ARMY DEPOT
SEAD-45 EXPANDED SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER
	LOCATION	SEAD-45	SEAD-45	SEAD-45	SEAD-45
	SAMPLE DATE	11/01/93	11/01/93	11/01/93	11/01/93
	ES ID	SW45-1	SW45-2	SW45-3	SW45-4
	LAB ID	202940	202941	202942	202943
	UNITS				
PESTICIDES/PCB					
alpha-BHC	ug/L	0.052 U	0.052 U	0.058 U	0.058 U
beta-BHC	ug/L	0.052 U	0.052 U	0.058 U	0.058 U
delta-BHC	ug/L	0.052 U	0.052 U	0.058 U	0.058 U
gamma-BHC (Lindane)	ug/L	0.052 U	0.052 U	0.058 U	0.058 U
Heptachlor	ug/L	0.052 U	0.052 U	0.058 U	0.058 U
Aldrin	ug/L	0.052 U	0.052 U	0.058 U	0.058 U
Heptachlor epoxide	ug/L	0.052 U	0.052 U	0.058 U	0.058 U
Endosulfan I	ug/L	0.052 U	0.052 U	0.058 U	0.058 U
Dieldrin	ug/L	0.1 U	0.1 U	0.12 U	0.12 U
4,4'-DDE	ug/L	0.1 U	0.1 U	0.12 U	0.12 U
Endrin	ug/L	0.1 U	0.1 U	0.12 U	0.12 U
Endosulfan II	ug/L	0.1 U	0.1 U	0.12 U	0.12 U
4,4'-DDD	ug/L	0.1 U	0.1 U	0.12 U	0.12 U
Endosulfan sulfate	ug/L	0.1 U	0.1 U	0.12 U	0.12 U
4,4'-DDT	ug/L	0.1 U	0.1 U	0.12 U	0.12 U
Methoxychlor	ug/L	0.52 U	0.52 U	0.58 U	0.58 U
Endrin ketone	ug/L	0.1 U	0.1 U	0.12 U	0.12 U
Endrin aldehyde	ug/L	0.1 U	0.1 U	0.12 U	0.12 U
alpha-Chlordane	ug/L	0.052 U	0.052 U	0.058 U	0.058 U
gamma-Chlordane	ug/L	0.052 U	0.052 U	0.058 U	0.058 U
Toxaphene	ug/L	5.2 U	5.2 U	5.8 U	5.8 U
Aroclor-1018	ug/L	1 U	1 U	1.2 U	1.2 U
Aroclor-1221	ug/L	2.1 U	2.1 U	2.3 U	2.3 U
Aroclor-1232	ug/L	1 U	1 U	1.2 U	1.2 U
Aroclor-1242	ug/L	1 U	1 U	1.2 U	1.2 U
Aroclor-1248	ug/L	1 U	1 U	1.2 U	1.2 U
Aroclor-1254	ug/L	1 U	1 U	1.2 U	1.2 U
Aroclor-1260	ug/L	1 U	1 U	1.2 U	1.2 U
METALS					
Aluminum	ug/L	29000	4370	968	37500
Antimony	ug/L	52.6 U	52.4 U	52.8 U	52.5 U
Arsenic	ug/L	1.2 U	1.2 U	1.2 U	2.3 J
Barium	ug/L	204	82.5 J	33.5 J	439
Beryllium	ug/L	1.3 J	0.3 U	0.3 U	1.5 J
Cadmium	ug/L	3.3 U	3.3 U	3.3 U	11.2
Calcium	ug/L	194000	38500	33800	105000
Chromium	ug/L	45.4	3.4 J	2.5 U	50.8
Cobalt	ug/L	15.2 J	4.9 U	4.9 U	18.2 J
Copper	ug/L	203	119	24.8 J	612
Iron	ug/L	47700 J	5920 J	1270 J	60400 J
Lead	ug/L	27.2	10.9	1.9 J	68.7
Magnesium	ug/L	24300	4680 J	3280 J	19300
Manganese	ug/L	841	56.7	21.1	1250
Mercury	ug/L	0.32	0.5	0.18 J	3
Nickel	ug/L	72.7	8.1 J	4.2 J	74.2
Potassium	ug/L	6650	5020	1530 J	9670
Selenium	ug/L	5.5 U	1.1 U	1.1 U	5.5 U
Silver	ug/L	6.7 UJ	6.6 UJ	8.7 UJ	6.7 UJ
Sodium	ug/L	2810 J	899 J	1080 J	4340 J
Thallium	ug/L	1.2 U	1.2 U	1.2 U	1.2 U
Vanadium	ug/L	45.9 J	6.1 J	3.3 U	54.9
Zinc	ug/L	228	98.9	23.3	883
Cyanide	ug/L	6.3 U	8.3 U	8.3 U	47.7
OTHER ANALYSES					
Nitrate/Nitrite-Nitrogen	mg/L	0.01	0.03	1.06	0.04
Total Petroleum Hydrocarbons	mg/L	NS	NS	NS	NS
Fluoride	mg/L	NS	NS	NS	NS
pH	standard units	8.26	8.14	8.06	8.75
Specific Conductance	umhos/cm	40	110	100	175
Turbidity	NTU	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-45 EXPANDED SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION	SOIL	SOIL	SOIL	SOIL
	DEPTH (FEET)	SEAD-45	SEAD-45	SEAD-45	SEAD-45
SAMPLE DATE	ES ID	ES ID	ES ID	ES ID	ES ID
LAB ID	UNITS	UNITS	UNITS	UNITS	UNITS
PESTICIDES/PCB					
alpha-BHC	ug/Kg	2.2 U	2.7 U	2.6 U	2.3 U
beta-BHC	ug/Kg	2.2 U	2.7 U	2.6 U	2.3 U
delta-BHC	ug/Kg	2.2 U	2.7 U	2.6 U	2.3 U
gamma-BHC (Lindane)	ug/Kg	2.2 U	2.7 U	2.6 U	2.3 U
Heptachlor	ug/Kg	2.2 U	2.7 U	2.6 U	2.3 U
Aldrin	ug/Kg	2.2 U	2.7 U	2.6 U	2.2 J
Heptachlor epoxide	ug/Kg	2.2 U	2.7 U	2.6 U	2.3 U
Endosulfan I	ug/Kg	2.2 U	2.7 J	1.3 J	2.3 U
Dieldrin	ug/Kg	4.2 U	5.3 U	5 U	7.4 J
4,4'-DDE	ug/Kg	4.2 U	4.3 J	5 U	12 J
Endrin	ug/Kg	4.2 U	5.3 U	5 U	4.5 U
Endosulfan II	ug/Kg	4.2 U	5.3 U	5 U	4.5 U
4,4'-DDD	ug/Kg	4.2 U	5.3 U	5 U	4.5 U
Endosulfan sulfate	ug/Kg	4.2 U	5.3 U	5 U	4.5 U
4,4'-DDT	ug/Kg	4.2 U	5.3 U	5 U	4.5 U
Methoxychlor	ug/Kg	22 U	27 U	26 U	23 U
Endrin ketone	ug/Kg	4.2 U	5.3 U	5 U	4.5 U
Endrin aldehyde	ug/Kg	4.2 U	5.3 U	5 U	3.2 J
alpha-Chlordane	ug/Kg	2.2 U	2.7 U	2.6 U	5.7 J
gamma-Chlordane	ug/Kg	2.2 U	2.7 U	2.6 U	2.3 U
Toxaphene	ug/Kg	220 U	270 U	260 U	230 U
Aroclor-1016	ug/Kg	42 U	53 U	50 U	45 U
Aroclor-1221	ug/Kg	85 U	110 U	100 U	91 U
Aroclor-1232	ug/Kg	42 U	53 U	50 U	45 U
Aroclor-1242	ug/Kg	42 U	53 U	50 U	45 U
Aroclor-1246	ug/Kg	42 U	53 U	50 U	45 U
Aroclor-1254	ug/Kg	42 U	74	50 U	580 J
Aroclor-1260	ug/Kg	42 U	53 U	50 U	45 U
METALS					
Aluminum	mg/Kg	14400	35000	22300	21100
Antimony	mg/Kg	10.1 U	13.4 U	11.7 U	7.2 UJ
Arsenic	mg/Kg	6.9	4.2	7.3	16.1
Barium	mg/Kg	85.4	308	187	176
Beryllium	mg/Kg	0.62 J	1.4	0.94 J	0.83
Cadmium	mg/Kg	0.76 J	14.9	5.8	25.6 J
Calcium	mg/Kg	84400	21700	25100	25100
Chromium	mg/Kg	22.5	48.4	31.4	31.8
Cobalt	mg/Kg	11.2	19.7	12.9	13.2
Copper	mg/Kg	63.9	614	323	241
Iron	mg/Kg	25600	50500	32600	33200
Lead	mg/Kg	19.8	101	52.8	72.9
Magnesium	mg/Kg	9720	10200	7830	7510
Manganese	mg/Kg	458	692	618	935
Mercury	mg/Kg	0.38	5.3	4.4	2.2 J
Nickel	mg/Kg	40.1	67.7	41.6	44.8
Potassium	mg/Kg	2580	4680	3360	2840
Selenium	mg/Kg	0.19 U	0.35 U	0.24 U	0.28 UJ
Silver	mg/Kg	1.3 U	5.8	3.1	2.5 J
Sodium	mg/Kg	208 J	377 J	148 J	130 J
Thallium	mg/Kg	0.21 U	0.38 U	0.28 U	0.31 U
Vanadium	mg/Kg	23.9	53.7	37.2	32.9
Zinc	mg/Kg	104	755	312	329
Cyanide	mg/Kg	0.61 U	0.68 U	0.74 U	0.68 U
OTHER ANALYSES					
Nitrate/Nitrite-Nitrogen	mg/Kg	0.04	0.06	0.13	0.12
Total Solids	%W/W	78.7	62	66.3	74.1
Total Petroleum Hydrocarbons	mg/Kg	NS	NS	NS	NS
Fluoride	mg/Kg	NS	NS	NS	NS
pH	standard units	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-57 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMP LE DATE ES ID LAB ID UNITS	SOIL SEAD-57 0-0.2 10/26/93 SS57-1 202562	SOIL SEAD-57 0-0.2 12/08/93 SS57-1 206412	SOIL SEAD-57 0-0.2 10/26/93 SS57-2 202563	SOIL SEAD-57 0-0.2 12/08/93 SS57-2 206413	SOIL SEAD-57 0-0.2 10/26/93 SS57-3 202564	SOIL SEAD-57 0-0.2 12/08/93 SS57-3 206414	SOIL SEAD-57 0-0.2 10/26/93 SS57-4 202565	SOIL SEAD-57 0-0.2 12/08/93 SS57-4 206415	SOIL SEAD-57 0-0.2 10/26/93 SS57-5 202566	SOIL SEAD-57 0-0.2 12/08/93 SS57-5 206416	
VOLATILE ORGANICS											
Chloromethane	ug/Kg	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Bromomethane	ug/Kg	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Vinyl Chloride	ug/Kg	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Chloroethane	ug/Kg	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Methylene Chloride	ug/Kg	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Acetone	ug/Kg	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Carbon Disulfide	ug/Kg	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
1,1-Dichloroethane	ug/Kg	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
1,1-Dichloroethane	ug/Kg	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
1,2-Dichloroethane (total)	ug/Kg	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Chloroform	ug/Kg	13 U	14 U	12 U	13 U	12 U	7 J	12 U	13 U	14 U	15 U
1,2-Dichloroethane	ug/Kg	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
2-Butanone	ug/Kg	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
1,1,1-Trichloroethane	ug/Kg	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Carbon Tetrachloride	ug/Kg	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Bromodichloromethane	ug/Kg	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
1,2-Dichloropropane	ug/Kg	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
cis-1,3-Dichloropropene	ug/Kg	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Trichloroethene	ug/Kg	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Dibromochloromethane	ug/Kg	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
1,1,2-Trichloroethane	ug/Kg	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Benzene	ug/Kg	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
trans-1,3-Dichloropropene	ug/Kg	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Bromoform	ug/Kg	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
4-Methyl-2-Pentanone	ug/Kg	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
2-Hexanone	ug/Kg	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Tetrachloroethene	ug/Kg	2 J	14 U	2 J	13 U	2 J	13 U	12 U	13 U	2 J	15 U
1,1,2,2-Tetrachloroethane	ug/Kg	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Toluene	ug/Kg	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Chlorobenzene	ug/Kg	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Ethylbenzene	ug/Kg	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Styrene	ug/Kg	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Xylene (total)	ug/Kg	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
MTBE	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES											
2,4-D	ug/Kg	65 U	NS	63 U	NS	64 U	NS	66 U	NS	72 U	NS
2,4-DB	ug/Kg	65 U	NS	63 U	NS	64 U	NS	66 U	NS	72 U	NS
2,4,5-T	ug/Kg	6.5 U	NS	6.3 U	NS	6.4 U	NS	6.6 U	NS	7.2 U	NS
2,4,5-TP (Silvex)	ug/Kg	6.5 U	NS	6.3 U	NS	6.4 U	NS	6.6 U	NS	7.2 U	NS
Dalapon	ug/Kg	160 U	NS	150 U	NS	160 U	NS	160 U	NS	180 U	NS
Dicamba	ug/Kg	6.5 U	NS	6.3 U	NS	6.4 U	NS	6.6 U	NS	7.2 U	NS
Dichloroprop	ug/Kg	65 U	NS	63 U	NS	64 U	NS	66 U	NS	72 U	NS
Dinoseb	ug/Kg	33 U	NS	32 U	NS	32 U	NS	33 U	NS	36 U	NS
MCPA	ug/Kg	6500 U	NS	6300 U	NS	6400 U	NS	6600 U	NS	7200 U	NS
MCPP	ug/Kg	6500 U	NS	6300 U	NS	6400 U	NS	6600 U	NS	7200 U	NS
NITROAROMATICS											
HMX	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
RDX	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
1,3,5-Trinitrobenzene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
1,3-Dinitrobenzene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
Tetryl	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
2,4,6-Trinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
4-amino-2,6-Dinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
2-amino-4,6-Dinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
2,6-Dinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
2,4-Dinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS

NOTES:

NS stands for NOT SAMPLED
NA stands for NOT ANALYZED

SENECA ARMY DEPOT
SEAD-57 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-57 0-0.2 10/26/93 SS57-1 202562	SOIL SEAD-57 0-0.2 12/08/93 SS57-1 206412	SOIL SEAD-57 0-0.2 10/26/93 SS57-2 202563	SOIL SEAD-57 0-0.2 12/08/93 SS57-2 206413	SOIL SEAD-57 0-0.2 10/26/93 SS57-3 202564	SOIL SEAD-57 0-0.2 12/08/93 SS57-3 206414	SOIL SEAD-57 0-0.2 10/26/93 SS57-4 202565	SOIL SEAD-57 0-0.2 12/08/93 SS57-4 206415	SOIL SEAD-57 0-0.2 10/26/93 SS57-5 202566	SOIL SEAD-57 0-0.2 12/08/93 SS57-5 206416
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
bis(2-Chloroethyl) ether	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
2-Chlorophenol	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
1,3-Dichlorobenzene	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
1,4-Dichlorobenzene	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
1,2-Dichlorobenzene	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
2-Methylphenol	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
2,2'-oxybis(1-Chloropropane)	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
4-Methylphenol	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
N-Nitroso-d-n-propylamine	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
Hexachloroethane	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
Nitrobenzene	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
Isophorone	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
2-Nitrophenol	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
2,4-Dimethylphenol	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
bis(2-Chloroethoxy) methane	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
2,4-Dichlorophenol	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
1,2,4-Trichlorobenzene	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
Naphthalene	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
4-Chloroaniline	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
Hexachlorobutadiene	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
4-Chloro-3-methylphenol	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
2-Methylnaphthalene	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
Hexachlorocyclopentadiene	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
2,4,6-Trichlorophenol	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
2,4,5-Trichlorophenol	ug/Kg	1000 U	NS	990 U	NS	1000 U	NS	1000 U	NS	1100 U	NS
2-Chloronaphthalene	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
2-Nitroaniline	ug/Kg	1000 U	NS	990 U	NS	1000 U	NS	1000 U	NS	1100 U	NS
Dimethylphthalate	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
Acenaphthylene	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
2,6-Dinitrotoluene	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
3-Nitroaniline	ug/Kg	1000 U	NS	990 U	NS	1000 U	NS	1000 U	NS	1100 U	NS
Acenaphthene	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
2,4-Dinitrophenol	ug/Kg	1000 U	NS	990 U	NS	1000 U	NS	1000 U	NS	1100 U	NS
4-Nitrophenol	ug/Kg	1000 U	NS	990 U	NS	1000 U	NS	1000 U	NS	1100 U	NS
Dibenzofuran	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
2,4-Dinitrotoluene	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
Diethylphthalate	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
4-Chlorophenyl-phenylether	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
Fluorene	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
4-Nitroaniline	ug/Kg	1000 U	NS	990 U	NS	1000 U	NS	1000 U	NS	1100 U	NS
4,6-Dinitro-2-methylphenol	ug/Kg	1000 U	NS	990 U	NS	1000 U	NS	1000 U	NS	1100 U	NS
N-Nitrosodiphenylamine	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
4-Bromophenyl-phenylether	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
Hexachlorobenzene	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
Pentachlorophenol	ug/Kg	1000 U	NS	990 U	NS	1000 U	NS	1000 U	NS	1100 U	NS
Phenanthrene	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
Anthracene	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
Carbazole	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
Di-n-butylphthalate	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
Fluoranthene	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
Pyrene	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
Butylbenzylphthalate	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
3,3'-Dichlorobenzidine	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
Benzo(a)anthracene	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
Chrysene	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
bis(2-Ethylhexyl)phthalate	ug/Kg	480 U	NS	410 U	NS	420 U	NS	470 U	NS	580 U	NS
Di-n-octylphthalate	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
Benzo(b)fluoranthene	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
Benzo(k)fluoranthene	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
Benzo(a)pyrene	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
Indeno(1,2,3-cd)pyrene	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
Dibenz(a,h)anthracene	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS
Benzo(g,h,i)perylene	ug/Kg	420 U	NS	410 U	NS	420 U	NS	430 U	NS	470 U	NS

SENECA ARMY DEPOT
SEAD-57 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION DEPTH (FEET)	SEAD-57 0-0.2	SEAD-57 0-0.2	SEAD-57 0-0.2	SEAD-57 0-0.2	SEAD-57 0-0.2	SEAD-57 0-0.2	SEAD-57 0-0.2	SEAD-57 0-0.2	SEAD-57 0-0.2	SEAD-57 0-0.2
	SAMPLE DATE	10/26/93	12/08/93	10/26/93	12/08/93	10/26/93	12/08/93	10/26/93	12/08/93	10/26/93	12/08/93
	ES ID	SS57-1	SS57-1	SS57-2	SS57-2	SS57-3	SS57-3	SS57-4	SS57-4	SS57-5	SS57-5
	LAB ID	202562	206412	202563	206413	202564	206414	202565	206415	202566	206416
	UNITS										
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2.2 U	NS	2.1 U	NS	2.2 U	NS	2.2 U	NS	2.4 U	NS
beta-BHC	ug/Kg	2.2 U	NS	2.1 U	NS	2.2 U	NS	2.2 U	NS	2.4 U	NS
delta-BHC	ug/Kg	2.2 U	NS	2.1 U	NS	2.2 U	NS	2.2 U	NS	2.4 U	NS
gamma-BHC (Lindane)	ug/Kg	2.2 U	NS	2.1 U	NS	2.2 U	NS	2.2 U	NS	2.4 U	NS
Heptachlor	ug/Kg	2.2 U	NS	2.1 U	NS	2.2 U	NS	2.2 U	NS	2.4 U	NS
Aldrin	ug/Kg	2.2 U	NS	2.1 U	NS	2.2 U	NS	2.2 U	NS	2.4 U	NS
Heptachlor epoxide	ug/Kg	2.2 U	NS	2.1 U	NS	2.2 U	NS	2.2 U	NS	2.4 U	NS
Endosulfan I	ug/Kg	2.2 U	NS	2.1 U	NS	2.2 U	NS	2.2 U	NS	2.4 U	NS
Dieldrin	ug/Kg	26 J	NS	9.5	NS	4.2 U	NS	4.3 U	NS	4.7 U	NS
4,4'-DDE	ug/Kg	4.3 U	NS	4.1 U	NS	4.2 U	NS	4.3 U	NS	4.7 U	NS
Endrin	ug/Kg	4.3 U	NS	4.1 U	NS	4.2 U	NS	4.3 U	NS	4.7 U	NS
Endosulfan II	ug/Kg	4.3 U	NS	4.1 U	NS	4.2 U	NS	4.3 U	NS	4.7 U	NS
4,4'-DDD	ug/Kg	4.3 U	NS	4.1 U	NS	4.2 U	NS	4.3 U	NS	4.7 U	NS
Endosulfan sulfate	ug/Kg	4.3 U	NS	4.1 U	NS	4.2 U	NS	4.3 U	NS	4.7 U	NS
4,4'-DDT	ug/Kg	4.3 U	NS	4.1 U	NS	4.2 U	NS	4.3 U	NS	4.7 U	NS
Methoxychlor	ug/Kg	22 U	NS	21 U	NS	22 U	NS	22 U	NS	24 U	NS
Endrin ketone	ug/Kg	4.3 U	NS	4.1 U	NS	4.2 U	NS	4.3 U	NS	4.7 U	NS
Endrin aldehyde	ug/Kg	4.3 U	NS	4.1 U	NS	4.2 U	NS	4.3 U	NS	4.7 U	NS
alpha-Chlordane	ug/Kg	2.2 U	NS	2.1 U	NS	2.2 U	NS	2.2 U	NS	2.4 U	NS
gamma-Chlordane	ug/Kg	2.2 U	NS	2.1 U	NS	2.2 U	NS	2.2 U	NS	2.4 U	NS
Toxaphene	ug/Kg	220 U	NS	210 U	NS	220 U	NS	220 U	NS	240 U	NS
Aroclor-1016	ug/Kg	43 U	NS	41 U	NS	42 U	NS	43 U	NS	47 U	NS
Aroclor-1221	ug/Kg	86 U	NS	84 U	NS	86 U	NS	88 U	NS	95 U	NS
Aroclor-1232	ug/Kg	43 U	NS	41 U	NS	42 U	NS	43 U	NS	47 U	NS
Aroclor-1242	ug/Kg	43 U	NS	41 U	NS	42 U	NS	43 U	NS	47 U	NS
Aroclor-1248	ug/Kg	43 U	NS	41 U	NS	42 U	NS	43 U	NS	47 U	NS
Aroclor-1254	ug/Kg	43 U	NS	41 U	NS	42 U	NS	43 U	NS	47 U	NS
Aroclor-1260	ug/Kg	24 J	NS	41 U	NS	42 U	NS	43 U	NS	27 J	NS
METALS											
Aluminum	mg/Kg	12000	NS	17300	NS	17400	NS	13900	NS	14000	NS
Antimony	mg/Kg	11.9 UJ	NS	11.8 UJ	NS	7.7 UJ	NS	11.2 UJ	NS	11.1 UJ	NS
Arsenic	mg/Kg	4.8 R	NS	4.6 R	NS	5 R	NS	4.2 R	NS	3.9 R	NS
Barium	mg/Kg	82.4	NS	65.8	NS	72.6	NS	168	NS	110	NS
Beryllium	mg/Kg	0.56 J	NS	0.62 J	NS	0.81	NS	0.69 J	NS	0.68 J	NS
Cadmium	mg/Kg	0.74 U	NS	0.74 U	NS	0.48 U	NS	0.7 U	NS	0.69 U	NS
Calcium	mg/Kg	2770	NS	1950	NS	1590	NS	9270	NS	4440	NS
Chromium	mg/Kg	15.7	NS	24.2	NS	24.5	NS	22.5	NS	17.8	NS
Cobalt	mg/Kg	8.4 J	NS	9.6 J	NS	9.9	NS	13.2	NS	5.9 J	NS
Copper	mg/Kg	10.9	NS	18.3	NS	24.8	NS	27.3	NS	19.8	NS
Iron	mg/Kg	19300	NS	28400	NS	29100	NS	26500	NS	18900	NS
Lead	mg/Kg	24	NS	17.7	NS	30.9	NS	23.8	NS	26.3	NS
Magnesium	mg/Kg	2680	NS	4580	NS	4510	NS	4640	NS	3220	NS
Manganese	mg/Kg	592	NS	319	NS	418	NS	628	NS	297	NS
Mercury	mg/Kg	0.06 J	NS	0.04 J	NS	0.06 J	NS	0.04 J	NS	0.08 J	NS
Nickel	mg/Kg	14.3	NS	27.3	NS	29.2	NS	30.9	NS	17.9	NS
Potassium	mg/Kg	892 J	NS	1240	NS	1370	NS	1670	NS	1660	NS
Selenium	mg/Kg	0.28 UJ	NS	0.21 UJ	NS	0.22 UJ	NS	0.26 UJ	NS	0.41 J	NS
Silver	mg/Kg	1.7 J	NS	1.5 UJ	NS	0.96 UJ	NS	1.4 UJ	NS	1.4 UJ	NS
Sodium	mg/Kg	56.7 J	NS	44.5 J	NS	39.2 J	NS	86.1 J	NS	68.6 J	NS
Thallium	mg/Kg	0.28 U	NS	0.23 U	NS	0.24 U	NS	0.28 U	NS	0.34 U	NS
Vanadium	mg/Kg	24.8	NS	28.6	NS	29.4	NS	26.1	NS	24.5	NS
Zinc	mg/Kg	45.2 R	NS	70.6 R	NS	88 R	NS	82.6 R	NS	81.5 R	NS
Cyanide	mg/Kg	0.77 U	NS	0.73 U	NS	0.73 U	NS	0.73 U	NS	0.78 U	NS
OTHER ANALYSES											
Nitrate/Nitrite - Nitrogen	mg/Kg	0.12	NS	0.13	NS	0.4	NS	1.28	NS	0.39	NS
Total Solids	%W/W	77.2	NS	79.6	NS	78.5	NS	75.7	NS	69.9	NS
Total Petroleum Hydrocarbons	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoride	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
pH	standard units	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-57 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-57 0-0.2 10/26/93 SS57-6 202567	SOIL SEAD-57 0-0.2 12/08/93 SS57-6 206417	SOIL SEAD-57 0-0.2 10/26/93 SS57-7 202568	SOIL SEAD-57 0-0.2 12/08/93 SS57-7 206419	SOIL SEAD-57 0-0.2 10/26/93 SS57-8 202569	SOIL SEAD-57 0-0.2 10/26/93 SS57-8RE 202569	SOIL SEAD-57 0-0.2 12/08/93 SS57-8 206420	SOIL SEAD-57 0-0.2 10/26/93 SS57-9 202570	SOIL SEAD-57 0-0.2 12/08/93 SS57-9 206421	SOIL SEAD-57 0-0.2 12/08/93 SS57-9RE 206421
VOLATILE ORGANICS											
Chloromethane	ug/Kg	13 U	14 U	11 U	11 U	11 U	NS	12 U	11 U	11 U	11 U
Bromomethane	ug/Kg	13 U	14 U	11 U	11 U	11 U	NS	12 U	11 U	11 U	11 U
Vinyl Chloride	ug/Kg	13 U	14 U	11 U	11 U	11 U	NS	12 U	11 U	11 U	11 U
Chloroethane	ug/Kg	13 U	14 U	11 U	11 U	11 U	NS	12 U	11 U	11 U	11 U
Methylene Chloride	ug/Kg	13 U	14 U	11 U	11 U	11 U	NS	12 U	11 U	11 U	11 U
Acetone	ug/Kg	13 U	14 U	11 U	11 U	11 U	NS	12 U	11 U	11 U	11 U
Carbon Disulfide	ug/Kg	13 U	14 U	11 U	11 U	11 U	NS	12 U	11 U	11 U	11 U
1,1-Dichloroethane	ug/Kg	13 U	14 U	11 U	11 U	11 U	NS	12 U	11 U	11 U	11 U
1,1-Dichloroethane	ug/Kg	13 U	14 U	11 U	11 U	11 U	NS	12 U	11 U	11 U	11 U
1,2-Dichloroethane (total)	ug/Kg	13 U	14 U	11 U	11 U	11 U	NS	12 U	11 U	11 U	11 U
Chloroform	ug/Kg	13 U	14 U	11 U	11 U	11 U	NS	12 U	11 U	11 U	11 U
1,2-Dichloroethane	ug/Kg	13 U	14 U	11 U	11 U	11 U	NS	12 U	11 U	11 U	11 U
2-Butanone	ug/Kg	13 U	14 U	11 U	11 U	11 U	NS	12 U	11 U	11 U	11 U
1,1,1-Trichloroethane	ug/Kg	13 U	14 U	11 U	11 U	11 U	NS	12 U	11 U	11 U	11 U
Carbon Tetrachloride	ug/Kg	13 U	14 U	11 U	11 U	11 U	NS	12 U	11 U	11 U	11 U
Bromodichloromethane	ug/Kg	13 U	14 U	11 U	11 U	11 U	NS	12 U	11 U	11 U	11 U
1,2-Dichloropropane	ug/Kg	13 U	14 U	11 U	11 U	11 U	NS	12 U	11 U	11 U	11 U
cis-1,3-Dichloropropene	ug/Kg	13 U	14 U	11 U	11 U	11 U	NS	12 U	11 U	11 U	11 U
Trichloroethene	ug/Kg	13 U	14 U	11 U	11 U	11 U	NS	12 U	11 U	11 U	11 U
Dibromochloromethane	ug/Kg	13 U	14 U	11 U	11 U	11 U	NS	12 U	11 U	11 U	11 U
1,1,2-Trichloroethane	ug/Kg	13 U	14 U	11 U	11 U	11 U	NS	12 U	11 U	11 U	11 U
Benzene	ug/Kg	13 U	14 U	11 U	11 U	11 U	NS	12 U	11 U	11 U	11 U
trans-1,3-Dichloropropene	ug/Kg	13 U	14 U	11 U	11 U	11 U	NS	12 U	11 U	11 U	11 U
Bromoform	ug/Kg	13 U	14 U	11 U	11 U	11 U	NS	12 U	11 U	11 U	11 U
4-Methyl-2-Pentanone	ug/Kg	13 U	14 U	11 U	11 U	11 U	NS	12 U	11 U	11 U	11 U
2-Hexanone	ug/Kg	13 U	14 U	11 U	11 U	11 U	NS	12 U	11 U	11 U	11 U
Tetrachloroethene	ug/Kg	1 J	14 U	11 U	11 U	6 J	NS	12 U	1 J	11 U	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	13 U	14 U	11 U	11 U	11 U	NS	12 U	11 U	11 U	11 U
Toluene	ug/Kg	13 U	14 U	11 U	11 U	11 U	NS	12 U	11 U	11 U	11 U
Chlorobenzene	ug/Kg	13 U	14 U	11 U	11 U	11 U	NS	12 U	11 U	11 U	11 U
Ethylbenzene	ug/Kg	13 U	14 U	11 U	11 U	11 U	NS	12 U	11 U	11 U	11 U
Styrene	ug/Kg	13 U	14 U	11 U	11 U	11 U	NS	12 U	11 U	11 U	11 U
Xylene (total)	ug/Kg	13 U	14 U	11 U	11 U	11 U	NS	12 U	11 U	11 U	11 U
MTBE	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES											
2,4-D	ug/Kg	65 U	NS	55 U	NS	54 U	NS	NS	54 U	NS	NS
2,4-DB	ug/Kg	65 U	NS	55 U	NS	54 U	NS	NS	54 U	NS	NS
2,4,5-T	ug/Kg	6.5 U	NS	5.5 U	NS	5.4 U	NS	NS	5.4 U	NS	NS
2,4,5-TP (Silvex)	ug/Kg	6.5 U	NS	5.5 U	NS	5.4 U	NS	NS	5.4 U	NS	NS
Dalapon	ug/Kg	160 U	NS	140 U	NS	130 U	NS	NS	130 U	NS	NS
Dicamba	ug/Kg	6.5 U	NS	5.5 U	NS	5.4 U	NS	NS	5.4 U	NS	NS
Dichloroprop	ug/Kg	65 U	NS	55 U	NS	54 U	NS	NS	54 U	NS	NS
Dinoseb	ug/Kg	33 U	NS	28 U	NS	27 U	NS	NS	27 U	NS	NS
MCPA	ug/Kg	6500 U	NS	5500 U	NS	5400 U	NS	NS	5400 U	NS	NS
MCP	ug/Kg	6500 U	NS	5500 U	NS	5400 U	NS	NS	5400 U	NS	NS
NITROAROMATICS											
HMX	ug/Kg	130 U	NS	130 U	NS	130 U	NS	NS	130 U	NS	NS
RDX	ug/Kg	130 U	NS	130 U	NS	130 U	NS	NS	130 U	NS	NS
1,3,5-Trinitrobenzene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	NS	130 U	NS	NS
1,3-Dinitrobenzene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	NS	130 U	NS	NS
Tetryl	ug/Kg	130 U	NS	130 U	NS	130 U	NS	NS	130 U	NS	NS
2,4,6-Trinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	NS	130 U	NS	NS
4-amino-2,6-Dinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	NS	130 U	NS	NS
2-amino-4,6-Dinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	NS	130 U	NS	NS
2,6-Dinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	NS	130 U	NS	NS
2,4-Dinitrotoluene	ug/Kg	130 U	NS	130 U	NS	130 U	NS	NS	130 U	NS	NS

SENECA ARMY DEPOT
SEAD-57 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET)	SOIL SEAD-57	SOIL SEAD-57	SOIL SEAD-57	SOIL SEAD-57	SOIL SEAD-57	SOIL SEAD-57	SOIL SEAD-57	SOIL SEAD-57	SOIL SEAD-57	SOIL SEAD-57	
	SAMPLE DATE	10/26/93	12/08/93	10/26/93	12/08/93	10/26/93	12/08/93	10/26/93	12/08/93	10/26/93	12/08/93	
ES ID	SS57-6	SS57-6	SS57-6	SS57-7	SS57-7	SS57-8	SS57-8	SS57-8	SS57-8	SS57-9	SS57-9	
LAB ID	202567	206417	202568	206419	202569	202569	202569	206420	202570	206421	206421	
UNITS												
SEMIVOLATILE ORGANICS												
Phenol	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
bis(2-Chloroethyl) ether	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
2-Chlorophenol	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
1,3-Dichlorobenzene	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
1,4-Dichlorobenzene	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
1,2-Dichlorobenzene	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
2-Methylphenol	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
2,2'-oxybis(1-Chloropropane)	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
4-Methylphenol	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
N-Nitroso-di-n-propylamine	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
Hexachloroethane	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
Nitrobenzene	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
Isophorone	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
2-Nitrophenol	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
2,4-Dimethylphenol	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
bis(2-Chloroethoxy) methane	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
2,4-Dichlorophenol	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
1,2,4-Trichlorobenzene	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
Naphthalene	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
4-Chloroaniline	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
Hexachlorobutadiene	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
4-Chloro-3-methylphenol	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
2-Methylnaphthalene	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
Hexachlorocyclopentadiene	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
2,4,6-Trichlorophenol	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
2,4,5-Trichlorophenol	ug/Kg	1000 U	NS	880 U	NS	860 U	R	870 UJ	NS	860 U	NS	NS
2-Chloronaphthalene	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
2-Nitroaniline	ug/Kg	1000 U	NS	880 U	NS	860 U	R	870 UJ	NS	860 U	NS	NS
Dimethylphthalate	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
Acenaphthylene	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
2,6-Dinitrotoluene	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
3-Nitroaniline	ug/Kg	1000 U	NS	880 U	NS	860 U	R	870 UJ	NS	860 U	NS	NS
Acenaphthene	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
2,4-Dinitrophenol	ug/Kg	1000 U	NS	880 U	NS	860 U	R	870 UJ	NS	860 U	NS	NS
4-Nitrophenol	ug/Kg	1000 U	NS	880 U	NS	860 U	R	870 UJ	NS	860 U	NS	NS
Dibenzofuran	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
2,4-Dinitrotoluene	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
Diethylphthalate	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
4-Chlorophenyl-phenylether	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
Fluorene	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
4-Nitroaniline	ug/Kg	1000 U	NS	880 U	NS	860 U	R	870 UJ	NS	860 U	NS	NS
4,6-Dinitro-2-methylphenol	ug/Kg	1000 U	NS	880 U	NS	860 U	R	870 UJ	NS	860 U	NS	NS
N-Nitrosodiphenylamine	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
4-Bromophenyl-phenylether	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
Hexachlorobenzene	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
Pentachlorophenol	ug/Kg	1000 U	NS	880 U	NS	860 U	R	870 UJ	NS	860 U	NS	NS
Phenanthrene	ug/Kg	420 U	NS	20 J	NS	360 U	R	360 UJ	NS	35 J	NS	NS
Anthracene	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
Carbazole	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
Di-n-butylphthalate	ug/Kg	420 U	NS	18 J	NS	360 U	R	360 UJ	NS	35 J	NS	NS
Fluoranthene	ug/Kg	29 J	NS	26 J	NS	360 U	R	20 J	NS	56 J	NS	NS
Pyrene	ug/Kg	23 J	NS	20 J	NS	360 U	R	360 UJ	NS	49 J	NS	NS
Butylbenzylphthalate	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
3,3'-Dichlorobenzidine	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
Benzo(a)anthracene	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	24 J	NS	NS
Chrysene	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	42 J	NS	NS
bis(2-Ethylhexyl)phthalate	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
Di-n-octylphthalate	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
Benzo(b)fluoranthene	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	25 J	NS	NS
Benzo(k)fluoranthene	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	20 J	NS	NS
Benzo(a)pyrene	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	20 J	NS	NS
Indeno(1,2,3-cd)pyrene	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
Dibenz(a,h)anthracene	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS
Benzo(g,h,i)perylene	ug/Kg	420 U	NS	360 U	NS	360 U	R	360 UJ	NS	350 U	NS	NS

SENECA ARMY DEPOT
SEAD-57 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
	DEPTH (FEET)	SEAD-57	SEAD-57	SEAD-57	SEAD-57	SEAD-57	SEAD-57	SEAD-57	SEAD-57	SEAD-57	SEAD-57	
SAMPLE DATE	10/26/93	12/08/93	10/26/93	12/08/93	10/26/93	12/08/93	10/26/93	12/08/93	10/26/93	12/08/93	12/08/93	
ES ID	SS57-6	SS57-6	SS57-7	SS57-7	SS57-8	SS57-8	SS57-8	SS57-8	SS57-8	SS57-9	SS57-9	
LAB ID	202567	206417	202568	206419	202569	202569	202569	202569	206420	202570	206421	
UNITS												
PESTICIDES/PCB												
alpha-BHC	ug/Kg	2.2 U	NS	1.9 U	NS	1.8 U	NS	NS	NS	1.8 UJ	NS	NS
beta-BHC	ug/Kg	2.2 U	NS	1.9 U	NS	1.8 U	NS	NS	NS	1.8 UJ	NS	NS
delta-BHC	ug/Kg	2.2 U	NS	1.9 U	NS	1.8 U	NS	NS	NS	1.8 UJ	NS	NS
gamma-BHC (Lindane)	ug/Kg	2.2 U	NS	1.9 U	NS	1.8 U	NS	NS	NS	1.8 UJ	NS	NS
Heptachlor	ug/Kg	2.2 U	NS	1.9 U	NS	1.8 U	NS	NS	NS	1.8 UJ	NS	NS
Aldrin	ug/Kg	2.2 U	NS	1.9 U	NS	1.8 U	NS	NS	NS	1.8 UJ	NS	NS
Heptachlor epoxide	ug/Kg	2.2 U	NS	2 J	NS	1.8 U	NS	NS	NS	1.8 UJ	NS	NS
Endosulfan I	ug/Kg	2.2 U	NS	1.9 U	NS	1.8 U	NS	NS	NS	1.8 UJ	NS	NS
Dieldrin	ug/Kg	4.3 U	NS	27 J	NS	3.6 U	NS	NS	NS	3.5 UJ	NS	NS
4,4'-DDE	ug/Kg	2.5 J	NS	4.7 J	NS	32	NS	NS	NS	4.5 J	NS	NS
Endrin	ug/Kg	4.3 U	NS	3.6 U	NS	3.6 U	NS	NS	NS	3.5 UJ	NS	NS
Endosulfan II	ug/Kg	4.3 U	NS	3.6 U	NS	3.6 U	NS	NS	NS	3.5 UJ	NS	NS
4,4'-DDD	ug/Kg	4.3 U	NS	3.6 U	NS	3.6 U	NS	NS	NS	3.5 UJ	NS	NS
Endosulfan sulfate	ug/Kg	4.3 U	NS	3.6 U	NS	3.6 U	NS	NS	NS	3.5 UJ	NS	NS
4,4'-DDT	ug/Kg	4.3 U	NS	3.6 U	NS	4.9	NS	NS	NS	3.5 UJ	NS	NS
Methoxychlor	ug/Kg	22 U	NS	19 U	NS	18 U	NS	NS	NS	18 UJ	NS	NS
Endrin ketone	ug/Kg	4.3 U	NS	3.6 U	NS	3.6 U	NS	NS	NS	3.5 UJ	NS	NS
Endrin aldehyde	ug/Kg	4.3 U	NS	3.6 U	NS	3.6 U	NS	NS	NS	3.5 UJ	NS	NS
alpha-Chlordane	ug/Kg	2.2 U	NS	16 J	NS	1.8 U	NS	NS	NS	1.8 UJ	NS	NS
gamma-Chlordane	ug/Kg	2.2 U	NS	1.9 U	NS	1.8 U	NS	NS	NS	1.8 UJ	NS	NS
Toxaphene	ug/Kg	220 U	NS	190 U	NS	180 U	NS	NS	NS	180 UJ	NS	NS
Aroclor-1016	ug/Kg	43 U	NS	36 U	NS	36 U	NS	NS	NS	35 UJ	NS	NS
Aroclor-1221	ug/Kg	87 U	NS	73 U	NS	73 U	NS	NS	NS	72 UJ	NS	NS
Aroclor-1232	ug/Kg	43 U	NS	36 U	NS	36 U	NS	NS	NS	35 UJ	NS	NS
Aroclor-1242	ug/Kg	43 U	NS	36 U	NS	36 U	NS	NS	NS	35 UJ	NS	NS
Aroclor-1248	ug/Kg	43 U	NS	36 U	NS	36 U	NS	NS	NS	35 UJ	NS	NS
Aroclor-1254	ug/Kg	43 U	NS	36 U	NS	36 U	NS	NS	NS	35 UJ	NS	NS
Aroclor-1260	ug/Kg	43 U	NS	36 U	NS	36 U	NS	NS	NS	35 UJ	NS	NS
METALS												
Aluminum	mg/Kg	13500	NS	12600	NS	3940	NS	NS	NS	10300	NS	NS
Antimony	mg/Kg	12.1 UJ	NS	10.1 UJ	NS	10.1 UJ	NS	NS	NS	10.7 UJ	NS	NS
Arsenic	mg/Kg	122 R	NS	4.2 R	NS	4 R	NS	NS	NS	5.6 R	NS	NS
Barium	mg/Kg	83.7	NS	64.2	NS	25.5 J	NS	NS	NS	56.5	NS	NS
Beryllium	mg/Kg	0.64 J	NS	0.61 J	NS	0.33 J	NS	NS	NS	0.59 J	NS	NS
Cadmium	mg/Kg	0.78 U	NS	0.63 U	NS	0.63 U	NS	NS	NS	0.67 U	NS	NS
Calcium	mg/Kg	2790	NS	24300	NS	213000	NS	NS	NS	104000	NS	NS
Chromium	mg/Kg	18.9	NS	24.3	NS	7.4	NS	NS	NS	20.7	NS	NS
Cobalt	mg/Kg	9.3 J	NS	13.2	NS	7.8 J	NS	NS	NS	10.6	NS	NS
Copper	mg/Kg	17.4	NS	33.4	NS	12	NS	NS	NS	47	NS	NS
Iron	mg/Kg	21700	NS	28400	NS	7540	NS	NS	NS	23000	NS	NS
Lead	mg/Kg	30.2	NS	18.4	NS	9.5	NS	NS	NS	42.4	NS	NS
Magnesium	mg/Kg	3230	NS	6680	NS	11600	NS	NS	NS	9650	NS	NS
Manganese	mg/Kg	464	NS	347	NS	401	NS	NS	NS	356	NS	NS
Mercury	mg/Kg	0.07 J	NS	0.02 J	NS	0.04 U	NS	NS	NS	0.04 J	NS	NS
Nickel	mg/Kg	19.8	NS	46	NS	17.2	NS	NS	NS	38.7	NS	NS
Potassium	mg/Kg	1650	NS	1550	NS	1210	NS	NS	NS	1570	NS	NS
Selenium	mg/Kg	0.31 J	NS	0.18 UJ	NS	0.2 UJ	NS	NS	NS	0.37 J	NS	NS
Silver	mg/Kg	1.5 UJ	NS	1.3 UJ	NS	1.3 UJ	NS	NS	NS	1.4 UJ	NS	NS
Sodium	mg/Kg	48.3 J	NS	119 J	NS	214 J	NS	NS	NS	188 J	NS	NS
Thallium	mg/Kg	0.17 U	NS	0.2 U	NS	2.2 U	NS	NS	NS	0.23 U	NS	NS
Vanadium	mg/Kg	26.2	NS	19	NS	11.2	NS	NS	NS	18.8	NS	NS
Zinc	mg/Kg	64 R	NS	53.4 R	NS	42.1 R	NS	NS	NS	266 R	NS	NS
Cyanide	mg/Kg	0.78 U	NS	0.64 U	NS	0.62 U	NS	NS	NS	0.61 U	NS	NS
OTHER ANALYSES												
Nitrate/Nitrite - Nitrogen	mg/Kg	0.29	NS	0.09	NS	0.11	NS	NS	NS	0.13	NS	NS
Total Solids	%W/W	77.1	NS	91	NS	91.5	NS	NS	NS	93.1	NS	NS
Total Petroleum Hydrocarbons	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoride	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
pH	standard units	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-57 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-57 3 11/09/93 TP57-1 203827	SOIL SEAD-57 3 12/02/93 TP57-2 206070	SOIL SEAD-57 3 11/09/93 TP57-3 204008	SOIL SEAD-57 3 11/09/93 TP57-3RE 204008	SOIL SEAD-57 3 11/09/93 TP57-4 204011	SOIL SEAD-57 3 11/09/93 TP57-4RE 204011	SOIL SEAD-57 3 12/02/93 TP57-5 206071	SOIL SEAD-57 3 12/02/93 TP57-6 206072	SOIL SEAD-57 3 12/02/93 TP57-7 206073	SOIL SEAD-57 3 12/02/93 TP57-8 206074
VOLATILE ORGANICS											
Chloromethane	ug/Kg	13 U	12 U	12 U	NS	11 U	NS	13 U	12 U	12 U	12 U
Bromomethane	ug/Kg	13 U	12 U	12 U	NS	11 U	NS	13 U	12 U	12 U	12 U
Vinyl Chloride	ug/Kg	13 U	12 U	12 U	NS	11 U	NS	13 U	12 U	12 U	12 U
Chloroethane	ug/Kg	13 U	12 U	12 U	NS	11 U	NS	13 U	12 U	12 U	12 U
Methylene Chloride	ug/Kg	13 U	12 U	12 U	NS	11 U	NS	13 U	12 U	12 U	12 U
Acetone	ug/Kg	13 U	20	12 U	NS	11 U	NS	15	23	6 J	12 U
Carbon Disulfide	ug/Kg	13 U	12 U	12 U	NS	11 U	NS	13 U	12 U	12 U	12 U
1,1-Dichloroethane	ug/Kg	13 U	12 U	12 U	NS	11 U	NS	13 U	12 U	12 U	12 U
1,1-Dichloroethane	ug/Kg	13 U	12 U	12 U	NS	11 U	NS	13 U	12 U	12 U	12 U
1,2-Dichloroethane (total)	ug/Kg	13 U	12 U	12 U	NS	11 U	NS	13 U	12 U	12 U	12 U
Chloroform	ug/Kg	13 U	12 U	12 U	NS	11 U	NS	13 U	12 U	12 U	12 U
1,2-Dichloroethane	ug/Kg	13 U	12 U	12 U	NS	11 U	NS	13 U	12 U	12 U	12 U
2-Butanone	ug/Kg	13 U	12 U	12 U	NS	11 U	NS	13 U	12 U	12 U	12 U
1,1,1-Trichloroethane	ug/Kg	13 U	12 U	12 U	NS	11 U	NS	13 U	12 U	12 U	12 U
Carbon Tetrachloride	ug/Kg	13 U	12 U	12 U	NS	11 U	NS	13 U	12 U	12 U	12 U
Bromodichloromethane	ug/Kg	13 U	12 U	12 U	NS	11 U	NS	13 U	12 U	12 U	12 U
1,2-Dichloropropane	ug/Kg	13 U	12 U	12 U	NS	11 U	NS	13 U	12 U	12 U	12 U
cis-1,3-Dichloropropene	ug/Kg	13 U	12 U	12 U	NS	11 U	NS	13 U	12 U	12 U	12 U
Trichloroethene	ug/Kg	13 U	12 U	12 U	NS	11 U	NS	13 U	12 U	12 U	12 U
Dibromochloromethane	ug/Kg	13 U	12 U	12 U	NS	11 U	NS	13 U	12 U	12 U	12 U
1,1,2-Trichloroethane	ug/Kg	13 U	12 U	12 U	NS	11 U	NS	13 U	12 U	12 U	12 U
Benzene	ug/Kg	13 U	12 U	12 U	NS	11 U	NS	13 U	12 U	12 U	12 U
trans-1,3-Dichloropropene	ug/Kg	13 U	12 U	12 U	NS	11 U	NS	13 U	12 U	12 U	12 U
Bromoform	ug/Kg	13 U	12 U	12 U	NS	11 U	NS	13 U	12 U	12 U	12 U
4-Methyl-2-Pentanone	ug/Kg	13 U	12 U	12 U	NS	11 U	NS	13 U	12 U	12 U	12 U
2-Hexanone	ug/Kg	13 U	12 U	12 U	NS	11 U	NS	13 U	12 U	12 U	12 U
Tetrachloroethene	ug/Kg	13 U	12 U	12 U	NS	11 U	NS	13 U	12 U	12 U	12 U
1,1,2,2-Tetrachloroethane	ug/Kg	13 U	12 U	12 U	NS	11 U	NS	13 U	12 U	12 U	12 U
Toluene	ug/Kg	13 U	12 U	12 U	NS	11 U	NS	13 U	12 U	12 U	12 U
Chlorobenzene	ug/Kg	13 U	12 U	12 U	NS	11 U	NS	13 U	12 U	12 U	12 U
Ethylbenzene	ug/Kg	13 U	12 U	12 U	NS	11 U	NS	13 U	12 U	12 U	12 U
Styrene	ug/Kg	13 U	12 U	12 U	NS	11 U	NS	13 U	12 U	12 U	12 U
Xylene (total)	ug/Kg	13 U	12 U	12 U	NS	11 U	NS	13 U	12 U	12 U	12 U
MTBE	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES											
2,4-D	ug/Kg	55 U	62 U	56 U R	56 UJ	57 U R	57 UJ	63 U	66 U	60 U	58 U
2,4-DB	ug/Kg	55 U	62 U	56 U R	56 UJ	57 U R	57 UJ	63 U	66 U	60 U	58 U
2,4,5-T	ug/Kg	5.5 U	6.2 U	5.6 U R	5.6 UJ	5.7 U R	5.7 UJ	6.3 U	6.6 U	6 U	5.8 U
2,4,5-TP (Silvex)	ug/Kg	5.5 U	6.2 U	5.6 U R	5.6 UJ	5.7 U R	9.5 J	6.3 U	6.6 U	6 U	5.8 U
Dalapon	ug/Kg	140 U	150 U	140 U R	140 UJ	140 U R	140 UJ	150 U	160 U	150 U	140 U
Dicamba	ug/Kg	5.5 U	6.2 U	5.6 U R	5.6 UJ	5.7 U R	5.7 UJ	6.3 U	6.6 U	6 U	5.8 U
Dichloroprop	ug/Kg	55 U	62 U	56 U R	56 UJ	57 U R	57 UJ	63 U	66 U	60 U	58 U
Dinoseb	ug/Kg	28 U	31 U	28 U R	28 UJ	29 U R	29 UJ	32 U	33 U	30 U	29 U
MCPA	ug/Kg	5500 U	6200 U	5600 U R	5600 UJ	5700 U R	5700 UJ	6300 U	6600 U	6000 U	5800 U
MCPP	ug/Kg	5500 U	6200 U	5600 U R	5600 UJ	5700 U R	5700 UJ	6300 U	6600 U	6000 U	5800 U
NITROAROMATICS											
HMX	ug/Kg	130 U	130 U	130 U	NS	130 U	NS	130 U	130 U	130 U	130 U
RDX	ug/Kg	130 U	130 U	130 U	NS	130 U	NS	130 U	130 U	130 U	130 U
1,3,5-Trinitrobenzene	ug/Kg	130 U	130 U	130 U	NS	130 U	NS	130 U	130 U	130 U	130 U
1,3-Dinitrobenzene	ug/Kg	130 U	130 U	130 U	NS	130 U	NS	130 U	130 U	130 U	130 U
Tetryl	ug/Kg	130 U	140 U	130 U	NS	130 U	NS	160 U	130 U	130 U	130 U
2,4,6-Trinitrotoluene	ug/Kg	130 U	130 U	130 U	NS	130 U	NS	130 U	130 U	130 U	130 U
4-amino-2,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	NS	130 U	NS	130 U	130 U	130 U	130 U
2-amino-4,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	NS	130 U	NS	130 U	130 U	130 U	130 U
2,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	NS	130 U	NS	130 U	130 U	130 U	130 U
2,4-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	NS	130 U	NS	130 U	130 U	130 U	130 U

SENECA ARMY DEPOT
SEAD-57 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID	SOIL SEAD-57 3 11/08/93 TP57-1 203827	SOIL SEAD-57 3 12/02/93 TP57-2 206070	SOIL SEAD-57 3 11/09/93 TP57-3 204008	SOIL SEAD-57 3 11/09/93 TP57-3RE 204008	SOIL SEAD-57 3 11/09/93 TP57-4 204011	SOIL SEAD-57 3 11/09/93 TP57-4RE 204011	SOIL SEAD-57 3 12/02/93 TP57-5 206071	SOIL SEAD-57 3 12/02/93 TP57-6 206072	SOIL SEAD-57 3 12/02/93 TP57-7 206073	SOIL SEAD-57 3 12/02/93 TP57-8 206074
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
bis(2-Chloroethyl) ether	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
2-Chlorophenol	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
1,3-Dichlorobenzene	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
1,4-Dichlorobenzene	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
1,2-Dichlorobenzene	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
2-Methylphenol	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
4-Methylphenol	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
N-Nitroso-d-n-propylamine	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
Hexachloroethane	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
Nitrobenzene	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
Isophorone	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
2-Nitrophenol	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
2,4-Dimethylphenol	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
bis(2-Chloroethoxy) methane	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
2,4-Dichlorophenol	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
1,2,4-Trichlorobenzene	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
Naphthalene	ug/Kg	360 U	180 J	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
4-Chloroaniline	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
Hexachlorobutadiene	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
4-Chloro-3-methylphenol	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
2-Methylnaphthalene	ug/Kg	360 U	750 J	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
Hexachlorocyclopentadiene	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
2,4,6-Trichlorophenol	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
2,4,5-Trichlorophenol	ug/Kg	880 U	4900 U	900 U	NS	900 U	NS	1000 U	1000 U	950 U	930 U
2-Chloronaphthalene	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
2-Nitroaniline	ug/Kg	880 U	4900 U	900 U	NS	900 U	NS	1000 U	1000 U	950 U	930 U
Dimethylphthalate	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
Acenaphthylene	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
2,6-Dinitrotoluene	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
3-Nitroaniline	ug/Kg	880 U	4900 U	900 U	NS	900 U	NS	1000 U	1000 U	950 U	930 U
Acenaphthene	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
2,4-Dinitrophenol	ug/Kg	880 U	4900 U	900 U	NS	900 U	NS	1000 U	1000 U	950 U	930 U
4-Nitrophenol	ug/Kg	880 U	4900 U	900 U	NS	900 U	NS	1000 U	1000 U	950 U	930 U
Dibenzofuran	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
2,4-Dinitrotoluene	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
Diethylphthalate	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
4-Chlorophenyl-phenylether	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
Fluorene	ug/Kg	360 U	120 J	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
4-Nitroaniline	ug/Kg	880 U	4900 U	900 U	NS	900 U	NS	1000 U	1000 U	950 U	930 U
4,6-Dinitro-2-methylphenol	ug/Kg	880 U	4900 U	900 U	NS	900 U	NS	1000 U	1000 U	950 U	930 U
N-Nitrosodiphenylamine	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
4-Bromophenyl-phenylether	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
Hexachlorobenzene	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
Pentachlorophenol	ug/Kg	880 U	4900 U	900 U	NS	900 U	NS	1000 U	1000 U	950 U	930 U
Phenanthrene	ug/Kg	360 U	230 J	370 U	NS	20 J	NS	410 U	430 U	390 U	380 U
Anthracene	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
Carbazole	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
Di-n-butylphthalate	ug/Kg	360 U	390 J	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
Fluoranthene	ug/Kg	360 U	2000 U	370 U	NS	34 J	NS	410 U	430 U	390 U	380 U
Pyrene	ug/Kg	360 U	2000 U	370 U	NS	33 J	NS	410 U	430 U	390 U	380 U
Butylbenzylphthalate	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
3,3'-Dichlorobenzidine	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
Benzo(a)anthracene	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
Chrysene	ug/Kg	360 U	2000 U	370 U	NS	25 J	NS	410 U	430 U	390 U	380 U
bis(2-Ethylhexyl)phthalate	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
Di-n-octylphthalate	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
Benzo(b)fluoranthene	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
Benzo(k)fluoranthene	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
Benzo(a)pyrene	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
Indeno(1,2,3-cd)pyrene	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
Dibenz(a,h)anthracene	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U
Benzo(g,h,i)perylene	ug/Kg	360 U	2000 U	370 U	NS	370 U	NS	410 U	430 U	390 U	380 U

SENECA ARMY DEPOT
SEAD-57 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-57 3 11/08/93 TP57-1 203827	SOIL SEAD-57 3 12/02/93 TP57-2 206070	SOIL SEAD-57 3 11/09/93 TP57-3 204008	SOIL SEAD-57 3 11/09/93 TP57-3RE 204008	SOIL SEAD-57 3 11/09/93 TP57-4 204011	SOIL SEAD-57 3 11/09/93 TP57-4RE 204011	SOIL SEAD-57 3 12/02/93 TP57-5 206071	SOIL SEAD-57 3 12/02/93 TP57-6 206072	SOIL SEAD-57 3 12/02/93 TP57-7 206073	SOIL SEAD-57 3 12/02/93 TP57-8 206074
PESTICIDES/PCB											
alpha-BHC	ug/Kg	1.9 U	2.1 U	1.9 U	NS	1.9 U	NS	2.1 U	2.2 U	2 U	2 U
beta-BHC	ug/Kg	1.9 U	2.1 U	1.9 U	NS	1.9 U	NS	2.1 U	2.2 U	2 U	2 U
delta-BHC	ug/Kg	1.9 U	2.1 U	1.9 U	NS	1.9 U	NS	2.1 U	2.2 U	2 U	2 U
gamma-BHC (Lindane)	ug/Kg	1.9 U	2.1 U	1.9 U	NS	1.9 U	NS	2.1 U	2.2 U	2 U	2 U
Heptachlor	ug/Kg	1.9 U	2.1 U	1.9 U	NS	1.9 U	NS	2.1 U	2.2 U	2 U	2 U
Aldrin	ug/Kg	1.9 U	2.1 U	1.9 U	NS	1.9 U	NS	2.1 U	2.2 U	2 U	2 U
Heptachlor epoxide	ug/Kg	1.9 U	2.1 U	1.9 U	NS	1.9 U	NS	2.1 U	2.2 U	2 U	2 U
Endosulfan I	ug/Kg	1.9 U	2.1 U	1.9 U	NS	1.9 U	NS	2.1 U	2.2 U	2 U	2 U
Dieldrin	ug/Kg	3.6 U	4.1 U	3.7 U	NS	3.7 U	NS	4.1 U	4.3 U	4 U	3.8 U
4,4'-DDE	ug/Kg	9.1	4.1 U	12	NS	20	NS	4.1 U	4.3 U	4 U	3.8 U
Endrin	ug/Kg	3.6 U	4.1 U	3.7 U	NS	3.7 U	NS	4.1 U	4.3 U	4 U	3.8 U
Endosulfan II	ug/Kg	3.6 U	4.1 U	3.7 U	NS	3.7 U	NS	4.1 U	4.3 U	4 U	3.8 U
4,4'-DDD	ug/Kg	3.5 J	4.1 U	5.5	NS	8.9	NS	4.1 U	4.3 U	4 U	3.8 U
Endosulfan sulfate	ug/Kg	3.6 U	4.1 U	3.7 U	NS	3.7 U	NS	4.1 U	4.3 U	4 U	3.8 U
4,4'-DDT	ug/Kg	9.6	4.1 U	12	NS	23	NS	4.1 U	4.3 U	4 U	3.8 U
Methoxychlor	ug/Kg	19 U	19 U	19 U	NS	19 U	NS	21 U	22 U	20 U	20 U
Endrin ketone	ug/Kg	3.6 U	4.1 U	3.7 U	NS	3.7 U	NS	4.1 U	4.3 U	4 U	3.8 U
Endrin aldehyde	ug/Kg	3.6 U	4.1 U	3.7 U	NS	4.1 U	NS	4.1 U	4.3 U	4 U	3.8 U
alpha-Chlordane	ug/Kg	1.9 U	2.1 U	1.9 U	NS	1.9 U	NS	2.1 U	2.2 U	2 U	2 U
gamma-Chlordane	ug/Kg	1.9 U	2.1 U	1.9 U	NS	2.1 U	NS	2.1 U	2.2 U	2 U	2 U
Toxaphene	ug/Kg	190 U	210 U	190 U	NS	190 U	NS	210 U	220 U	200 U	200 U
Aroclor-1016	ug/Kg	36 U	41 U	37 U	NS	41 U	NS	41 U	43 U	40 U	38 U
Aroclor-1221	ug/Kg	74 U	82 U	76 U	NS	76 U	NS	84 U	88 U	80 U	77 U
Aroclor-1232	ug/Kg	36 U	41 U	37 U	NS	37 U	NS	41 U	43 U	40 U	38 U
Aroclor-1242	ug/Kg	36 U	41 U	37 U	NS	37 U	NS	41 U	43 U	40 U	38 U
Aroclor-1248	ug/Kg	36 U	41 U	37 U	NS	37 U	NS	41 U	43 U	40 U	38 U
Aroclor-1254	ug/Kg	36 U	41 U	37 U	NS	37 U	NS	41 U	43 U	40 U	38 U
Aroclor-1260	ug/Kg	36 U	41 U	37 U	NS	37 U	NS	41 U	43 U	40 U	38 U
METALS											
Aluminum	mg/Kg	10700	17300	10800	NS	16900	NS	22000	22900	18300	15700
Antimony	mg/Kg	6.4 UJ	4.5 U	8.9 UJ	NS	8.7 UJ	NS	4.3 U	5.8 J	4.9 U	6.5 J
Arsenic	mg/Kg	4.9	9.5	4.8	NS	4.2	NS	9.6	7.5	8.5	4.8
Barium	mg/Kg	58.7	82.7	62.8	NS	90.1	NS	114	174	144	113
Beryllium	mg/Kg	0.56 J	0.81 J	0.61 J	NS	0.91	NS	1.1	1 J	0.87 J	0.77 J
Cadmium	mg/Kg	0.4 U	0.44 U	0.55 U	NS	0.54 U	NS	0.42 U	0.53 U	0.48 U	0.36 U
Calcium	mg/Kg	16600	19200	15300	NS	22400	NS	4380	15200	18700	67000
Chromium	mg/Kg	20.5	29.9	20.2	NS	28.9	NS	34.5	30.8	24.2	25
Cobalt	mg/Kg	12.1	13.7	10.4	NS	13.3	NS	19	9.4 J	12.6	12.2
Copper	mg/Kg	34.3	2930 J	32.2	NS	39.2	NS	34.2 J	26.8 J	19.7 J	25.4 J
Iron	mg/Kg	24700	35700	24300	NS	30500	NS	44400	30200	29300	27600
Lead	mg/Kg	28.2	1860	80.9	NS	19.5	NS	23.1	21.9	14.7	14.9
Magnesium	mg/Kg	5050	8930	4920	NS	7890	NS	6880	6640	6060	10000
Manganese	mg/Kg	392	463 J	350	NS	472	NS	550 J	247 J	818 J	500 J
Mercury	mg/Kg	0.03 J	0.06 J	0.05 J	NS	0.05 J	NS	0.05 J	0.04 J	0.05 J	0.03 U
Nickel	mg/Kg	45	51.6	38.1	NS	54.1	NS	52.9	37.3	31.8	40.1
Potassium	mg/Kg	898	2080	935	NS	2110	NS	2210	3250	2190	1910
Selenium	mg/Kg	0.48 J	1.1 J	0.52 J	NS	0.39 J	NS	0.55 J	0.73 J	1.2 J	0.96 J
Silver	mg/Kg	0.81 UJ	0.87 U	1.1 UJ	NS	1.1 UJ	NS	0.84 U	1.1 U	0.96 U	0.72 U
Sodium	mg/Kg	58.9 J	99 J	70.7 J	NS	97.9 J	NS	90.6 J	102 J	82.7 J	136 J
Thallium	mg/Kg	0.3 J	0.27 UJ	0.24 J	NS	0.16 U	NS	1.1 J	0.95 J	0.96 J	0.88 J
Vanadium	mg/Kg	26.9	31.4	28.3	NS	104	NS	37.7	39	32.9	25.4
Zinc	mg/Kg	81.1	1250 J	93.8	NS	120	NS	97.8 J	85.6 J	63.8 J	82.7 J
Cyanide	mg/Kg	0.52 U	0.68 U	0.48 U	NS	0.49 U	NS	0.74 U	0.74 U	0.67 U	0.63 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg	0.4	0.02	0.23	NS	0.51	NS	0.2	0.49	0.46	0.09
Total Solids	%W/W	90.8	81.4	88.2	NS	87.8	NS	80.4	75.9	82.8	85.6
Total Petroleum Hydrocarbons	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoride	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
pH	standard units	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

SENECA ARMY DEPOT
SEAD-57 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-57 3 12/02/93 TP57-9 206075	SOIL SEAD-57 3 12/02/93 TP57-10 206076	SOIL SEAD-57 3 11/08/93 TP57-11 203824
VOLATILE ORGANICS				
Chloromethane	ug/Kg	12 U	12 U	11 U
Bromomethane	ug/Kg	12 U	12 U	11 U
Vinyl Chloride	ug/Kg	12 U	12 U	11 U
Chloroethane	ug/Kg	12 U	12 U	11 U
Methylene Chloride	ug/Kg	12 U	12 U	11 U
Acetone	ug/Kg	12 U	4 J	11 U
Carbon Disulfide	ug/Kg	12 U	12 U	11 U
1,1-Dichloroethene	ug/Kg	12 U	12 U	11 U
1,1-Dichloroethane	ug/Kg	12 U	12 U	11 U
1,2-Dichloroethene (total)	ug/Kg	12 U	12 U	11 U
Chloroform	ug/Kg	12 U	12 U	11 U
1,2-Dichloroethane	ug/Kg	12 U	12 U	11 U
2-Butanone	ug/Kg	12 U	12 U	11 U
1,1,1-Trichloroethane	ug/Kg	12 U	12 U	11 U
Carbon Tetrachloride	ug/Kg	12 U	12 U	11 U
Bromodichloromethane	ug/Kg	12 U	12 U	11 U
1,2-Dichloropropane	ug/Kg	12 U	12 U	11 U
cis-1,3-Dichloropropene	ug/Kg	12 U	12 U	11 U
Trichloroethene	ug/Kg	12 U	12 U	11 U
Dibromochloromethane	ug/Kg	12 U	12 U	11 U
1,1,2-Trichloroethane	ug/Kg	12 U	12 U	11 U
Benzene	ug/Kg	12 U	12 U	11 U
trans-1,3-Dichloropropene	ug/Kg	12 U	12 U	11 U
Bromoform	ug/Kg	12 U	12 U	11 U
4-Methyl-2-Pentanone	ug/Kg	12 U	12 U	11 U
2-Hexanone	ug/Kg	12 U	12 U	11 U
Tetrachloroethene	ug/Kg	12 U	12 U	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	12 U	11 U
Toluene	ug/Kg	12 U	12 U	11 U
Chlorobenzene	ug/Kg	12 U	12 U	11 U
Ethylbenzene	ug/Kg	12 U	12 U	11 U
Styrene	ug/Kg	12 U	12 U	11 U
Xylene (total)	ug/Kg	12 U	12 U	11 U
MTBE	ug/Kg	NS	NS	NS
HERBICIDES				
2,4-D	ug/Kg	58 U	60 UJ	62 U
2,4-DB	ug/Kg	58 U	60 UJ	62 U
2,4,5-T	ug/Kg	5.8 U	6 UJ	6.2 U
2,4,5-TP (Silvex)	ug/Kg	5.8 U	6 UJ	6.2 U
Dalapon	ug/Kg	140 U	150 UJ	150 U
Dicamba	ug/Kg	5.8 U	6 UJ	6.2 U
Dichloroprop	ug/Kg	58 U	60 UJ	62 U
Dinoseb	ug/Kg	29 U	30 UJ	31 U
MCPA	ug/Kg	5800 U	6000 UJ	6200 U
MCPP	ug/Kg	5800 U	6000 UJ	6200 U
NITROAROMATICS				
HMX	ug/Kg	130 U	130 U	130 U
RDX	ug/Kg	130 U	130 U	130 U
1,3,5-Trinitrobenzene	ug/Kg	130 U	130 U	130 U
1,3-Dinitrobenzene	ug/Kg	130 U	130 U	130 U
Tetryl	ug/Kg	180 U	130 U	130 U
2,4,6-Trinitrotoluene	ug/Kg	130 U	130 U	130 U
4-amino-2,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U
2-amino-4,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U
2,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U
2,4-Dinitrotoluene	ug/Kg	130 U	130 U	130 U

SENECA ARMY DEPOT
SEAD-57 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-57 3 12/02/93 TP57-9 206075	SOIL SEAD-57 3 12/02/93 TP57-10 206076	SOIL SEAD-57 3 11/08/93 TP57-11 203824
SEMIVOLATILE ORGANICS				
Phenol	ug/Kg	380 U	390 U	410 U
bis(2-Chloroethyl) ether	ug/Kg	380 U	390 U	410 U
2-Chlorophenol	ug/Kg	380 U	390 U	410 U
1,3-Dichlorobenzene	ug/Kg	380 U	390 U	410 U
1,4-Dichlorobenzene	ug/Kg	380 U	390 U	410 U
1,2-Dichlorobenzene	ug/Kg	380 U	390 U	410 U
2-Methylphenol	ug/Kg	380 U	390 U	410 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	380 U	390 U	410 U
4-Methylphenol	ug/Kg	380 U	390 U	410 U
N-Nitroso-di-n-propylamine	ug/Kg	380 U	390 U	410 U
Hexachloroethane	ug/Kg	380 U	390 U	410 U
Nitrobenzene	ug/Kg	380 U	390 U	410 U
Isophorone	ug/Kg	380 U	390 U	410 U
2-Nitrophenol	ug/Kg	380 U	390 U	410 U
2,4-Dimethylphenol	ug/Kg	380 U	390 U	410 U
bis(2-Chloroethoxy) methane	ug/Kg	380 U	390 U	410 U
2,4-Dichlorophenol	ug/Kg	380 U	390 U	410 U
1,2,4-Trichlorobenzene	ug/Kg	380 U	390 U	410 U
Naphthalene	ug/Kg	380 U	390 U	410 U
4-Chloroaniline	ug/Kg	380 U	390 U	410 U
Hexachlorobutadiene	ug/Kg	380 U	390 U	410 U
4-Chloro-3-methylphenol	ug/Kg	380 U	390 U	410 U
2-Methylnaphthalene	ug/Kg	380 U	390 U	410 U
Hexachlorocyclopentadiene	ug/Kg	380 U	390 U	410 U
2,4,6-Trichlorophenol	ug/Kg	380 U	390 U	410 U
2,4,5-Trichlorophenol	ug/Kg	920 U	940 U	990 U
2-Chloronaphthalene	ug/Kg	380 U	390 U	410 U
2-Nitroaniline	ug/Kg	920 U	940 U	990 U
Dimethylphthalate	ug/Kg	380 U	390 U	410 U
Acenaphthylene	ug/Kg	380 U	390 U	410 U
2,6-Dinitrotoluene	ug/Kg	380 U	390 U	410 U
3-Nitroaniline	ug/Kg	920 U	940 U	990 U
Acenaphthene	ug/Kg	380 U	390 U	410 U
2,4-Dinitrophenol	ug/Kg	920 U	940 U	990 U
4-Nitrophenol	ug/Kg	920 U	940 U	990 U
Dibenzofuran	ug/Kg	380 U	390 U	410 U
2,4-Dinitrotoluene	ug/Kg	380 U	390 U	410 U
Diethylphthalate	ug/Kg	380 U	390 U	410 U
4-Chlorophenyl-phenyl ether	ug/Kg	380 U	390 U	410 U
Fluorene	ug/Kg	380 U	390 U	410 U
4-Nitroaniline	ug/Kg	920 U	940 U	990 U
4,6-Dinitro-2-methylphenol	ug/Kg	920 U	940 U	990 U
N-Nitrosodiphenylamine	ug/Kg	380 U	390 U	410 U
4-Bromophenyl-phenyl ether	ug/Kg	380 U	390 U	410 U
Hexachlorobenzene	ug/Kg	380 U	390 U	410 U
Pentachlorophenol	ug/Kg	920 U	940 U	990 U
Phenanthrene	ug/Kg	380 U	390 U	410 U
Anthracene	ug/Kg	380 U	390 U	410 U
Carbazole	ug/Kg	380 U	390 U	410 U
Di-n-butylphthalate	ug/Kg	380 U	390 U	410 U
Fluoranthene	ug/Kg	380 U	390 U	410 U
Pyrene	ug/Kg	380 U	390 U	410 U
Butylbenzylphthalate	ug/Kg	380 U	390 U	410 U
3,3'-Dichlorobenzidine	ug/Kg	380 U	390 U	410 U
Benzo(a)anthracene	ug/Kg	380 U	390 U	410 U
Chrysene	ug/Kg	380 U	390 U	410 U
bis(2-Ethylhexyl)phthalate	ug/Kg	380 U	390 U	410 U
Di-n-octylphthalate	ug/Kg	380 U	390 U	410 U
Benzo(b)fluoranthene	ug/Kg	380 U	390 U	410 U
Benzo(k)fluoranthene	ug/Kg	380 U	390 U	410 U
Benzo(a)pyrene	ug/Kg	380 U	390 U	410 U
Indeno(1,2,3-cd)pyrene	ug/Kg	380 U	390 U	410 U
Dibenz(a,h)anthracene	ug/Kg	380 U	390 U	410 U
Benzo(g,h,i)perylene	ug/Kg	380 U	390 U	410 U

SENECA ARMY DEPOT
SEAD-57 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-57 3 12/02/93 TP57-9 206075	SOIL SEAD-57 3 12/02/93 TP57-10 206076	SOIL SEAD-57 3 11/08/93 TP57-11 203824
PESTICIDES/PCB				
alpha-BHC	ug/Kg	2 U	2 U	2.1 U
beta-BHC	ug/Kg	2 U	2 U	2.1 U
delta-BHC	ug/Kg	2 U	2 U	2.1 U
gamma-BHC (Lindane)	ug/Kg	2 U	2 U	2.1 U
Heptachlor	ug/Kg	2 U	2 U	2.1 U
Aldrin	ug/Kg	2 U	2 U	2.1 U
Heptachlor epoxide	ug/Kg	2 U	2 U	2.1 U
Endosulfan I	ug/Kg	2 U	2 U	2.1 U
Dieldrin	ug/Kg	3.8 U	3.9 U	4.1 U
4,4'-DDE	ug/Kg	3.8 U	3.9 U	4.1 U
Endrin	ug/Kg	3.8 U	3.9 U	4.1 U
Endosulfan II	ug/Kg	3.8 U	3.9 U	4.1 U
4,4'-DDD	ug/Kg	3.8 U	3.9 U	4.1 U
Endosulfan sulfate	ug/Kg	3.8 U	3.9 U	4.1 U
4,4'-DDT	ug/Kg	3.8 U	3.9 U	4.1 U
Methoxychlor	ug/Kg	20 U	20 U	21 U
Endrin ketone	ug/Kg	3.8 U	3.9 U	4.1 U
Endrin aldehyde	ug/Kg	3.8 U	3.9 U	4.1 U
alpha-Chlordane	ug/Kg	2 U	2 U	2.1 U
gamma-Chlordane	ug/Kg	2 U	2 U	2.1 U
Toxaphene	ug/Kg	200 U	200 U	210 U
Aroclor-1016	ug/Kg	38 U	39 U	41 U
Aroclor-1221	ug/Kg	78 U	80 U	83 U
Aroclor-1232	ug/Kg	38 U	39 U	41 U
Aroclor-1242	ug/Kg	38 U	39 U	41 U
Aroclor-1248	ug/Kg	38 U	39 U	41 U
Aroclor-1254	ug/Kg	38 U	39 U	41 U
Aroclor-1260	ug/Kg	38 U	39 U	41 U
METALS				
Aluminum	mg/Kg	10300	12600	14800
Antimony	mg/Kg	3.5 U	3.6 U	11.3 UJ
Arsenic	mg/Kg	8.6	6.8	5.9
Barium	mg/Kg	70.8	97.5	120
Beryllium	mg/Kg	0.49 J	0.55 J	0.81 J
Cadmium	mg/Kg	0.34 U	0.35 U	0.71 U
Calcium	mg/Kg	84000	33000	22300
Chromium	mg/Kg	16.5	17.1	20.1
Cobalt	mg/Kg	8	8.7	8.8 J
Copper	mg/Kg	22.6 J	22.4 J	21.7
Iron	mg/Kg	19900	20500	24900
Lead	mg/Kg	16.2	10.9	11.3
Magnesium	mg/Kg	27600	6400	5360
Manganese	mg/Kg	323 J	397 J	329
Mercury	mg/Kg	0.02 U	0.03 J	0.04 J
Nickel	mg/Kg	29.8	24.5	25.7
Potassium	mg/Kg	1350	1680	1430
Selenium	mg/Kg	1.1 J	0.61 J	0.46 J
Silver	mg/Kg	0.67 U	0.69 U	1.4 UJ
Sodium	mg/Kg	128 J	93.6 J	93 J
Thallium	mg/Kg	0.91 J	0.21 UJ	0.17 U
Vanadium	mg/Kg	17.9	22.9	27.8
Zinc	mg/Kg	68.5 J	54.1 J	57.9
Cyanide	mg/Kg	0.62 U	0.71 U	0.54 U
OTHER ANALYSES				
Nitrate/Nitrite - Nitrogen	mg/Kg	0.2	0.3	0.7
Total Solids	%W/W	86.1	83.9	81.2
Total Petroleum Hydrocarbons	mg/Kg	NS	NS	NS
Fluoride	mg/Kg	NS	NS	NS
pH	standard units	NS	NS	NS

SENECA ARMY DEPOT
SEAD-57 EXPANDED SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID UNITS	WATER SEAD-57 02/03/94 MW57-1 210260	WATER SEAD-57 02/03/94 MW57-2 210261	WATER SEAD-57 02/03/94 MW57-3 210262	WATER SEAD-57 02/03/94 MW57-4 210263 MW57-3DUP
VOLATILE ORGANICS					
Chloromethane	ug/L	10 U	10 U	10 U	NS
Bromomethane	ug/L	10 U	10 U	10 U	NS
Vinyl Chloride	ug/L	10 U	10 U	10 U	NS
Chloroethane	ug/L	10 U	10 U	10 U	NS
Methylene Chloride	ug/L	10 U	10 U	10 U	NS
Acetone	ug/L	10 U	10 U	10 U	NS
Carbon Disulfide	ug/L	10 U	10 U	10 U	NS
1,1-Dichloroethene	ug/L	10 U	10 U	10 U	NS
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	NS
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U	NS
Chloroform	ug/L	10 U	10 U	10 U	NS
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	NS
2-Butanone	ug/L	10 U	10 U	10 U	NS
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	NS
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	NS
Bromodichloromethane	ug/L	10 U	10 U	10 U	NS
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	NS
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	NS
Trichloroethene	ug/L	10 U	10 U	10 U	NS
Dibromochloromethane	ug/L	10 U	10 U	10 U	NS
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	NS
Benzene	ug/L	10 U	10 U	10 U	NS
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	NS
Bromoform	ug/L	10 U	10 U	10 U	NS
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	NS
2-Hexanone	ug/L	10 U	10 U	10 U	NS
Tetrachloroethene	ug/L	10 U	10 U	10 U	NS
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	NS
Toluene	ug/L	10 U	10 U	10 U	NS
Chlorobenzene	ug/L	10 U	10 U	10 U	NS
Ethylbenzene	ug/L	10 U	10 U	10 U	NS
Styrene	ug/L	10 U	10 U	10 U	NS
Xylene (total)	ug/L	10 U	10 U	10 U	NS
MTBE	ug/L	NS	NS	NS	NS
HERBICIDES					
2,4-D	ug/L	1.2 U	1.1 U	1.1 U	NS
2,4-DB	ug/L	1.2 U	1.1 U	1.1 U	NS
2,4,5-T	ug/L	0.12 U	0.11 U	0.11 U	NS
2,4,5-TP (Silvex)	ug/L	0.12 U	0.11 U	0.11 U	NS
Dalapon	ug/L	2.7 U	2.5 U	2.5 U	NS
Dicamba	ug/L	0.12 U	0.11 U	0.11 U	NS
Dichloroprop	ug/L	1.2 U	1.1 U	1.1 U	NS
Dinoseb	ug/L	0.58 U	0.54 U	0.53 U	NS
MCPA	ug/L	120 U	110 U	110 U	NS
MCPP	ug/L	120 U	110 U	110 U	NS
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	0.13 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
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

NOTES:

NS stands for NOT SAMPLED

SENECA ARMY DEPOT
SEAD-57 EXPANDED SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID UNITS	WATER SEAD-57 02/03/94 MW57-1 210260	WATER SEAD-57 02/03/94 MW57-2 210261	WATER SEAD-57 02/03/94 MW57-3 210262	WATER SEAD-57 02/03/94 MW57-4 210263 MW57-3DUP
VOLATILE ORGANICS					
SEMIVOLATILE ORGANICS					
Phenol	ug/L	10 U	10 U	10 U	NS
bis(2-Chloroethyl) ether	ug/L	10 U	10 U	10 U	NS
2-Chlorophenol	ug/L	10 U	10 U	10 U	NS
1,3-Dichlorobenzene	ug/L	10 U	10 U	10 U	NS
1,4-Dichlorobenzene	ug/L	10 U	10 U	10 U	NS
1,2-Dichlorobenzene	ug/L	10 U	10 U	10 U	NS
2-Methylphenol	ug/L	10 U	10 U	10 U	NS
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	10 U	10 U	NS
4-Methylphenol	ug/L	10 U	10 U	10 U	NS
N-Nitroso-d-n-propylamine	ug/L	10 U	10 U	10 U	NS
Hexachloroethane	ug/L	10 U	10 U	10 U	NS
Nitrobenzene	ug/L	10 U	10 U	10 U	NS
Isophorone	ug/L	10 U	10 U	10 U	NS
2-Nitrophenol	ug/L	10 U	10 U	10 U	NS
2,4-Dimethylphenol	ug/L	10 U	10 U	10 U	NS
bis(2-Chloroethoxy) methane	ug/L	10 U	10 U	10 U	NS
2,4-Dichlorophenol	ug/L	10 U	10 U	10 U	NS
1,2,4-Trichlorobenzene	ug/L	10 U	10 U	10 U	NS
Naphthalene	ug/L	10 U	10 U	10 U	NS
4-Chloroaniline	ug/L	10 U	10 U	10 U	NS
Hexachlorobutadiene	ug/L	10 U	10 U	10 U	NS
4-Chloro-3-methylphenol	ug/L	10 U	10 U	10 U	NS
2-Methylnaphthalene	ug/L	10 U	10 U	10 U	NS
Hexachlorocyclopentadiene	ug/L	10 U	10 U	10 U	NS
2,4,6-Trichlorophenol	ug/L	10 U	10 U	10 U	NS
2,4,5-Trichlorophenol	ug/L	25 U	25 U	25 U	NS
2-Chloronaphthalene	ug/L	10 U	10 U	10 U	NS
2-Nitroaniline	ug/L	25 U	25 U	25 U	NS
Dimethylphthalate	ug/L	10 U	10 U	10 U	NS
Acenaphthylene	ug/L	10 U	10 U	10 U	NS
2,6-Dinitrotoluene	ug/L	10 U	10 U	10 U	NS
3-Nitroaniline	ug/L	25 U	25 U	25 U	NS
Acenaphthene	ug/L	10 U	10 U	10 U	NS
2,4-Dinitrophenol	ug/L	25 U	25 U	25 U	NS
4-Nitrophenol	ug/L	25 U	25 U	25 U	NS
Dibenzofuran	ug/L	10 U	10 U	10 U	NS
2,4-Dinitrotoluene	ug/L	10 U	10 U	10 U	NS
Diethylphthalate	ug/L	10 U	10 U	10 U	NS
4-Chlorophenyl-phenyl ether	ug/L	10 U	10 U	10 U	NS
Fluorene	ug/L	10 U	10 U	10 U	NS
4-Nitroaniline	ug/L	25 U	25 U	25 U	NS
4,6-Dinitro-2-methylphenol	ug/L	25 U	25 U	25 U	NS
N-Nitrosodiphenylamine	ug/L	10 U	10 U	10 U	NS
4-Bromophenyl-phenyl ether	ug/L	10 U	10 U	10 U	NS
Hexachlorobenzene	ug/L	10 U	10 U	10 U	NS
Pentachlorophenol	ug/L	25 U	25 U	25 U	NS
Phenanthrene	ug/L	10 U	10 U	10 U	NS
Anthracene	ug/L	10 U	10 U	10 U	NS
Carbazole	ug/L	10 U	10 U	10 U	NS
Di-n-butylphthalate	ug/L	10 U	10 U	10 U	NS
Fluoranthene	ug/L	10 U	10 U	10 U	NS
Pyrene	ug/L	10 U	10 U	10 U	NS
Butylbenzylphthalate	ug/L	10 U	10 U	10 U	NS
3,3'-Dichlorobenzidine	ug/L	10 U	10 U	10 U	NS
Benzo(a)anthracene	ug/L	10 U	10 U	10 U	NS
Chrysene	ug/L	10 U	10 U	10 U	NS
bis(2-Ethylhexyl)phthalate	ug/L	10 U	10 U	20	NS
Di-n-octylphthalate	ug/L	10 U	10 U	10 U	NS
Benzo(b)fluoranthene	ug/L	10 U	10 U	10 U	NS
Benzo(k)fluoranthene	ug/L	10 U	10 U	10 U	NS
Benzo(a)pyrene	ug/L	10 U	10 U	10 U	NS
Indeno(1,2,3-cd)pyrene	ug/L	10 U	10 U	10 U	NS
Dibenz(a,h)anthracene	ug/L	10 U	10 U	10 U	NS
Benzo(g,h,i)perylene	ug/L	10 U	10 U	10 U	NS

SENECA ARMY DEPOT
SEAD-57 EXPANDED SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION	WATER	WATER	WATER	WATER
	SAMPLE DATE	SEAD-57	SEAD-57	SEAD-57	SEAD-57
ES ID	02/03/94	02/03/94	02/03/94	02/03/94	02/03/94
LAB ID	MW57-1	MW57-2	MW57-3	MW57-4	MW57-4
UNITS	210260	210261	210262	210263	210263
					MW57-3DUP
VOLATILE ORGANICS					
PESTICIDES/PCB					
alpha-BHC	ug/L	0.054 U	0.054 U	0.059 U	NS
beta-BHC	ug/L	0.054 U	0.054 U	0.059 U	NS
delta-BHC	ug/L	0.054 U	0.054 U	0.059 U	NS
gamma-BHC (Lindane)	ug/L	0.054 U	0.054 U	0.059 U	NS
Heptachlor	ug/L	0.054 U	0.054 U	0.059 U	NS
Aldrin	ug/L	0.054 U	0.054 U	0.059 U	NS
Heptachlor epoxide	ug/L	0.054 U	0.054 U	0.059 U	NS
Endosulfan I	ug/L	0.054 U	0.054 U	0.059 U	NS
Dieldrin	ug/L	0.11 U	0.11 U	0.12 U	NS
4,4'-DDE	ug/L	0.11 U	0.11 U	0.12 U	NS
Endrin	ug/L	0.11 U	0.11 U	0.12 U	NS
Endosulfan II	ug/L	0.11 U	0.11 U	0.12 U	NS
4,4'-DDD	ug/L	0.11 U	0.11 U	0.12 U	NS
Endosulfan sulfate	ug/L	0.11 U	0.11 U	0.12 U	NS
4,4'-DDT	ug/L	0.11 U	0.11 U	0.12 U	NS
Methoxychlor	ug/L	0.54 U	0.54 U	0.59 U	NS
Endrin ketone	ug/L	0.11 U	0.11 U	0.12 U	NS
Endrin aldehyde	ug/L	0.11 U	0.11 U	0.12 U	NS
alpha-Chlordane	ug/L	0.054 U	0.054 U	0.059 U	NS
gamma-Chlordane	ug/L	0.054 U	0.054 U	0.059 U	NS
Toxaphene	ug/L	5.4 U	5.4 U	5.9 U	NS
Aroclor-1016	ug/L	1.1 U	1.1 U	1.2 U	NS
Aroclor-1221	ug/L	2.2 U	2.2 U	2.4 U	NS
Aroclor-1232	ug/L	1.1 U	1.1 U	1.2 U	NS
Aroclor-1242	ug/L	1.1 U	1.1 U	1.2 U	NS
Aroclor-1248	ug/L	1.1 U	1.1 U	1.2 U	NS
Aroclor-1254	ug/L	1.1 U	1.1 U	1.2 U	NS
Aroclor-1260	ug/L	1.1 U	1.1 U	1.2 U	NS
METALS					
Aluminum	ug/L	4200	6540	482	NS
Antimony	ug/L	44.7 J R	21.6 UJ	35.7 J R	NS
Arsenic	ug/L	1.4 U	1.4 U	1.4 U	NS
Barium	ug/L	36.5 J	83.5 J	65.5 J	NS
Beryllium	ug/L	0.4 U	0.63 J	0.4 U	NS
Cadmium	ug/L	2.1 U	3.1 J	2.1 U	NS
Calcium	ug/L	82000	288000	97900	NS
Chromium	ug/L	7.7 J	14.5	3.7 J	NS
Cobalt	ug/L	4.4 U	14.8 J	4.4 U	NS
Copper	ug/L	3.1 U	5.2 J R	3.1 U	NS
Iron	ug/L	6360	9260	652	NS
Lead	ug/L	2.1 J R	2.2 J R	1.1 J R	NS
Magnesium	ug/L	11400	36900	21100	NS
Manganese	ug/L	245	327	122	NS
Mercury	ug/L	0.04 U	0.04 U	0.04 U	NS
Nickel	ug/L	8.2 J	19.8 J	4 U	NS
Potassium	ug/L	3860 J	4600 J	2150 J	NS
Selenium	ug/L	0.69 U	2.2 J	0.7 U	NS
Silver	ug/L	4.2 U	4.2 U	4.2 U	NS
Sodium	ug/L	4080 J R	8920 R	5540 R	NS
Thallium	ug/L	1.2 U	1.2 U	1.2 U	NS
Vanadium	ug/L	7.6 J	9.2 J	4.5 J	NS
Zinc	ug/L	57.4	85.1	51.2 R	NS
Cyanide	ug/L	5 U	5 U	5 U	NS
OTHER ANALYSES					
Nitrate/Nitrite-Nitrogen	mg/L	0.25	1.13	0.21	NS
Total Petroleum Hydrocarbons	mg/L	NS	NS	NS	NS
Fluoride	mg/L	NS	NS	NS	NS
pH	standard units	7.72	7.23	7.48	NS
Specific Conductance	umhos/cm	255	900	350	NS
Turbidity	NTU	31.6	27.4	8.9	NS

SENECA ARMY DEPOT
EXPANDED SITE INSPECTION
QUALITY ASSURANCE / QUALITY CONTROL SAMPLES
RINSATE BLANKS

MATRIX LOCATION SAMPLE DATE ES ID LAB ID	WATER SEAD-4 12/06/93 SB4-1.1R 206266	WATER SEAD-4 12/05/93 SB4-4.1R 206143	WATER SEAD-11 01/24/94 MW11-3R 209336	WATER SEAD-11 01/24/94 MW11-3RRE 209336	WATER SEAD-13 12/07/93 SB13-7.1R 206404	WATER SEAD-13 12/16/93 SB13-9.1R 207030	WATER SEAD-13 12/17/93 SB13-10.1R 207185	WATER SEAD-13 11/03/93 SD13-1R 202956	WATER SEAD-16 11/17/93 MW16-2R 204986	WATER SEAD-17 10/27/93 SB17-2.2R 202504
VOLATILE ORGANICS										
Chloromethane	ug/L	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	16	NS	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	4 J	NS	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Trichloroethane	ug/L	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
MTBE	ug/L	NS	NS	NA	NS	NS	NS	NS	NS	NS
HERBICIDES										
2,4-D	ug/L	1.1 U	1.1 U	1.1 U	NS	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U
2,4-DB	ug/L	1.1 U	1.1 U	1.1 U	NS	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U
2,4,5-T	ug/L	0.1 U	0.11 U	0.11 U	NS	0.11 U	0.11 U	0.11 U	0.12 U	0.12 U
2,4,5-TP (Silvex)	ug/L	0.1 U	0.11 U	0.11 U	NS	0.11 U	0.11 U	0.11 U	0.12 U	0.12 U
Daizepon	ug/L	2.5 U	2.5 U	2.4 U	NS	2.4 U	2.4 U	2.4 U	2.6 U	2.6 U
Dialmba	ug/L	0.1 U	0.11 U	0.11 U	NS	0.11 U	0.11 U	0.11 U	0.12 U	0.12 U
Dichloroprop	ug/L	1.1 U	1.1 U	1.1 U	NS	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U
Dinoseb	ug/L	0.5 U	0.53 U	0.53 U	NS	0.52 U	0.51 U	0.51 U	0.56 U	0.57 U
MCPA	ug/L	110.0 U	110 U	110 U	NS	110 U	110 U	110 U	120 U	120 U
MCPP	ug/L	110.0 U	110 U	110 U	NS	110 U	110 U	110 U	120 U	120 U
NITROAROMATICS										
HMX	ug/L	0.13 U	0.13 U	2.1 U	0.13 UJ	0.13 U	NS	NS	0.13 U	0.13 UJ
RDX	ug/L	0.13 U	0.13 U	0.13 U	0.13 UJ	0.13 U	NS	NS	0.13 UJ	0.13 U
1,3,5-Trinitrobenzene	ug/L	0.13 U	0.13 U	0.13 U	0.13 UJ	0.13 U	NS	NS	0.13 U	0.13 UJ
1,3-Dinitrobenzene	ug/L	0.13 U	0.13 U	0.13 U	0.13 UJ	0.13 U	NS	NS	0.13 UJ	0.13 U
Tetryl	ug/L	0.13 U	0.13 U	0.13 U	0.13 UJ	0.13 U	NS	NS	0.13 U	0.13 UJ
2,4,6-Trinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 UJ	0.13 U	NS	NS	0.13 UJ	0.13 U
4-amino-2,6-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 UJ	0.13 U	NS	NS	0.13 UJ	0.13 U
2-amino-4,6-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 UJ	0.13 U	NS	NS	0.13 UJ	0.13 U
2,6-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 UJ	0.13 U	NS	NS	0.13 UJ	0.13 U
2,4-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 UJ	0.13 U	NS	NS	0.13 UJ	0.13 U

NOTES:
NS stands for NOT SAMPLED
NA stands for NOT ANALYZED
ND stands for NOT DETECTED

SENECA ARMY DEPOT
EXPANDED SITE INSPECTION
QUALITY ASSURANCE / QUALITY CONTROL SAMPLES
RINSATE BLANKS

MATRIX LOCATION SAMPLE DATE ES ID LAB ID COMPOUND	WATER SEAD-4 12/06/93 SB4-1.1R 206266	WATER SEAD-4 12/05/93 SB4-4.1R 206143	WATER SEAD-11 01/24/94 MW11-3R 209336	WATER SEAD-11 01/24/94 MW11-3RRE 209336	WATER SEAD-13 12/07/93 SB13-7.1R 208404	WATER SEAD-13 12/16/93 SB13-9.1R 207030	WATER SEAD-13 12/17/93 SB13-10.1R 207185	WATER SEAD-13 11/03/93 SD13-1R 202956	WATER SEAD-16 11/17/93 MW16-2R 204986	WATER SEAD-17 10/27/93 SB17-2.2R 202504
SEMIVOLATILE ORGANICS										
Phenol	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
bis(2-Chloroethyl) ether	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
2-Chlorophenol	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
1,3-Dichlorobenzene	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
1,4-Dichlorobenzene	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
1,2-Dichlorobenzene	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
2-Methylphenol	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
2,2'-oxybis(1-Chloropropane)	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
4-Methylphenol	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
N-Nitroso-d-n-propylamine	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Hexachloroethane	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Nitrobenzene	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Isophorone	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
2-Nitrophenol	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
2,4-Dimethylphenol	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
bis(2-Chloroethoxy) methane	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
2,4-Dichlorophenol	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
1,2,4-Trichlorobenzene	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Naphthalene	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
4-Chloroaniline	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Hexachlorobutadiene	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
4-Chloro-3-methylphenol	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
2-Methylnaphthalene	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Hexachlorocyclopentadiene	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
2,4,6-Trichlorophenol	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
2,4,5-Trichlorophenol	ug/L	26 U	26 U	26 U	NS	26 U	26 U	26 U	26 U	27 U
2-Chloronaphthalene	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
2-Nitroaniline	ug/L	26 U	26 U	26 U	NS	26 U	26 U	26 U	26 U	27 U
Dimethylnaphthalene	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Acenaphthylene	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
2,6-Dinitrotoluene	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
3-Nitroaniline	ug/L	26 U	26 U	26 U	NS	26 U	26 U	26 U	26 U	27 U
Acenaphthene	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
2,4-Dinitrophenol	ug/L	26 U	26 U	26 U	NS	26 U	26 U	26 U	26 U	27 U
4-Nitrophenol	ug/L	26 U	26 U	26 U	NS	26 U	26 U	26 U	26 U	27 U
Dibenzofuran	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
2,4-Dinitrotoluene	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Diethylphthalate	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
4-Chlorophenyl-phenylether	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Fluorene	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
4-Nitroaniline	ug/L	26 U	26 U	26 U	NS	26 U	26 U	26 U	26 U	27 U
4,6-Dinitro-2-methylphenol	ug/L	26 U	26 U	26 U	NS	26 U	26 U	26 U	26 U	27 U
N-Nitrosodiphenylamine	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
4-Bromophenyl-phenylether	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Hexachlorobenzene	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Pentachlorophenol	ug/L	26 U	26 U	26 U	NS	26 U	26 U	26 U	26 U	27 U
Phenanthrene	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Anthracene	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Carbazole	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Di-n-butylphthalate	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Fluoranthene	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Pyrene	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Butylbenzylphthalate	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
3,3'-Dichlorobenzidine	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Benzo(a)anthracene	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Chrysene	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
bis(2-Ethylhexyl)phthalate	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	13 U
Di-n-octylphthalate	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Benzo(b)fluoranthene	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Benzo(k)fluoranthene	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Benzo(e)pyrene	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Dibenzo(a,h)anthracene	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Benzo(g,h,i)perylene	ug/L	11 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U

SENECA ARMY DEPOT
EXPANDED SITE INSPECTION
QUALITY ASSURANCE / QUALITY CONTROL SAMPLES
RINSATE BLANKS

MATRIX LOCATION SAMPLE DATE ES ID LAB ID UNITS	WATER SEAD-4 12/06/93 SB4-1.1R 206266	WATER SEAD-4 12/05/93 SB4-4.1R 206143	WATER SEAD-11 01/24/94 MW11-3R 209336	WATER SEAD-11 01/24/94 MW11-3RRE 209338	WATER SEAD-13 12/07/93 SB13-7.1R 206404	WATER SEAD-13 12/16/93 SB13-9.1R 207030	WATER SEAD-13 12/17/93 SB13-10.1R 207185	WATER SEAD-13 11/03/93 SD13-1R 202956	WATER SEAD-16 11/17/93 MW16-2R 204986	WATER SEAD-17 10/27/93 SB17-2.2R 202504	
PESTICIDES/PCB											
alpha-BHC	ug/L	0.05 UJ	0.058 U	0.052 U	NS	0.05 UJ	0.05 U	0.056 U	0.05 U	0.054 U	0.058 U
beta-BHC	ug/L	0.05 UJ	0.056 U	0.052 U	NS	0.05 UJ	0.05 U	0.056 U	0.05 U	0.054 U	0.058 U
delta-BHC	ug/L	0.05 UJ	0.058 U	0.052 U	NS	0.05 UJ	0.05 U	0.056 U	0.05 U	0.054 U	0.058 U
gamma-BHC (Lindane)	ug/L	0.05 UJ	0.056 U	0.052 U	NS	0.05 UJ	0.05 U	0.056 U	0.05 U	0.054 U	0.058 U
Heptachlor	ug/L	0.05 UJ	0.056 U	0.052 U	NS	0.05 UJ	0.05 U	0.056 U	0.05 U	0.054 U	0.058 U
Aldrin	ug/L	0.05 UJ	0.056 U	0.052 U	NS	0.05 UJ	0.05 U	0.056 U	0.05 U	0.054 U	0.058 U
Heptachlor epoxide	ug/L	0.05 UJ	0.056 U	0.052 U	NS	0.05 UJ	0.05 U	0.056 U	0.05 U	0.054 U	0.058 U
Endosulfan I	ug/L	0.05 UJ	0.056 U	0.052 U	NS	0.05 UJ	0.05 U	0.056 U	0.05 U	0.054 U	0.058 U
Dieldrin	ug/L	0.1 UJ	0.12 U	0.1 U	NS	0.1 UJ	0.1 U	0.11 U	0.1 U	0.11 U	0.12 U
4,4'-DDE	ug/L	0.1 UJ	0.12 U	0.1 U	NS	0.1 UJ	0.1 U	0.11 U	0.1 U	0.11 U	0.12 U
Endrin	ug/L	0.1 UJ	0.12 U	0.1 U	NS	0.1 UJ	0.1 U	0.11 U	0.1 U	0.11 U	0.12 U
Endosulfan II	ug/L	0.1 UJ	0.12 U	0.1 U	NS	0.1 UJ	0.1 U	0.11 U	0.1 U	0.11 U	0.12 U
4,4'-DDD	ug/L	0.1 UJ	0.12 U	0.1 U	NS	0.1 UJ	0.1 U	0.11 U	0.1 U	0.11 U	0.12 U
Endosulfan sulfate	ug/L	0.1 UJ	0.12 U	0.1 U	NS	0.1 UJ	0.1 U	0.11 U	0.1 U	0.11 U	0.12 U
4,4'-DDT	ug/L	0.1 UJ	0.12 U	0.1 U	NS	0.1 UJ	0.1 U	0.11 U	0.1 U	0.11 U	0.12 U
Methoxychlor	ug/L	0.5 UJ	0.52 U	0.5 U	NS	0.5 UJ	0.5 U	0.56 U	0.5 U	0.54 U	0.58 U
Endrin ketone	ug/L	0.1 UJ	0.12 U	0.1 U	NS	0.1 UJ	0.1 U	0.11 U	0.1 U	0.11 U	0.12 U
Endrin aldehyde	ug/L	0.1 UJ	0.12 U	0.1 U	NS	0.1 UJ	0.1 U	0.11 U	0.1 U	0.11 U	0.12 U
alpha-Chlordane	ug/L	0.05 UJ	0.058 U	0.052 U	NS	0.05 UJ	0.05 U	0.056 U	0.05 U	0.054 U	0.058 U
gamma-Chlordane	ug/L	0.05 UJ	0.056 U	0.052 U	NS	0.05 UJ	0.05 U	0.056 U	0.05 U	0.054 U	0.058 U
Toxaphene	ug/L	5 UJ	5.8 U	5.2 U	NS	5 UJ	5 U	5.6 U	5 U	5.4 U	5.8 U
Aroclor-1018	ug/L	1 UJ	1.2 U	1 U	NS	1 UJ	1 U	1.1 U	1 U	1.1 U	1.2 U
Aroclor-1221	ug/L	2 UJ	2.3 U	2.1 U	NS	2 UJ	2 U	2.2 U	2 U	2.1 U	2.3 U
Aroclor-1232	ug/L	1 UJ	1.2 U	1 U	NS	1 UJ	1 U	1.1 U	1 U	1.1 U	1.2 U
Aroclor-1242	ug/L	1 UJ	1.2 U	1 U	NS	1 UJ	1 U	1.1 U	1 U	1.1 U	1.2 U
Aroclor-1248	ug/L	1 UJ	1.2 U	1 U	NS	1 UJ	1 U	1.1 U	1 U	1.1 U	1.2 U
Aroclor-1254	ug/L	1 UJ	1.2 U	1 U	NS	1 UJ	1 U	1.1 U	1 U	1.1 U	1.2 U
Aroclor-1260	ug/L	1 UJ	1.2 U	1 U	NS	1 UJ	1 U	1.1 U	1 U	1.1 U	1.2 U
METALS											
Aluminum	ug/L	68.1 J	109 J	41.9 U	NS	41.9 U	52 J	41.9 U	44.5 U	44.8 U	44.7 U
Antimony	ug/L	21.6 U	21.5 U	21.5 U	NS	21.5 U	21.5 U	21.5 U	52.3 UJ	52.7 U	52.5 U
Arsenic	ug/L	0.79 U	1.9 J	0.8 U	NS	0.8 U	0.79 U	0.8 U	1.2 U	0.99 U	1 U
Barium	ug/L	3.5 U	3.5 U	3.5 U	NS	3.5 U	3.5 U	3.5 U	1.7 J	0.9 U	1.8 J
Beryllium	ug/L	0.4 U	0.4 U	0.4 U	NS	0.4 U	0.4 U	0.4 U	0.3 U	0.3 U	0.3 U
Cadmium	ug/L	2.1 U	2.1 U	2.1 U	NS	2.1 U	2.1 U	2.1 U	3.3 U	3.3 U	3.3 U
Calcium	ug/L	126 U	184 J	384 J	NS	127 U	127 U	126 U	5250	46.6 J R	5800
Chromium	ug/L	4.7 J	2.6 U	2.6 U	NS	2.6 U	2.6 U	2.6 U	2.5 U	2.5 U	2.5 U
Cobalt	ug/L	4.4 U	4.4 U	4.4 U	NS	4.4 U	4.4 U	4.4 U	4.9 U	4.9 U	4.9 U
Copper	ug/L	5.4 J	3.1 U	12.9 J	NS	3.1 U	5.2 J	3.1 U	4.6 J	3.7 U	5.7 J
Iron	ug/L	190	157	5.6 U	NS	43.9 J R	40.6 J R	12.9 J R	27.6 R	81.7 J	13.3 J
Lead	ug/L	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	0.5 U	0.65 J	0.6 U	0.8 U
Magnesium	ug/L	115 U	114 U	114 U	NS	114 U	114 U	115 U	340 J	27.4 U	352 J
Manganese	ug/L	3.1 J	4.1 J	1.1 U	NS	1.1 U	1.1 U	1.1 U	0.59 U	1.4 J	0.6 U
Mercury	ug/L	0.08 J	0.07 U	0.04 U	NS	0.04 U	0.04 U	0.04 U	0.07 U	0.07 UJ	0.07 U
Nickel	ug/L	4 U	4 U	4 U	NS	4 U	4 U	4 U	4.1 U	4.1 U	4.2 J
Potassium	ug/L	952 U	949 U	908 U	NS	951 U	950 U	952 U	721 U	727 U	724 U
Selenium	ug/L	0.69 U	0.7 U	0.7 U	NS	0.7 U	0.69 U	0.7 U	1.1 UJ	0.8 U	1.1 U
Silver	ug/L	4.2 U	4.2 U	4.2 U	NS	4.2 U	4.2 U	4.2 U	6.6 UJ	6.7 U	6.7 U
Sodium	ug/L	4100 J	3870 J	1540 J	NS	3980 J	4050 J	3980 J	267 J	3610 J	240 J
Thallium	ug/L	1.2 U	1.2 U	1.2 U	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.8 U	1.2 U
Vanadium	ug/L	3.7 U	3.7 U	3.7 U	NS	3.7 U	3.7 U	3.7 U	3.3 U	3.3 U	3.3 U
Zinc	ug/L	4.9 J	1.9 U	12.1 J R	NS	1.9 U	3.7 J	4.1 J	13.9 R	3.1 U	13.1 J
Cyanide	ug/L	5 U	6 U	5 U	NS	5 U	5 U	5 U	5 UJ	5.2 U	8.3 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/L	0.01 U	0.01 U	0.01	NS	0.01 U	0.01 U	0.01 U	0.02	0.15	0.01
Total Petroleum Hydrocarbons	mg/L	NS	0.39 U	0.37 U	NS	NS	NS	NS	NS	0.44 U	NS
Fluoride	mg/L	NS	NS	NS	NS	NS	NS	NS	0.41 U	0.1	NS
pH	standard units	NS	NS	NS	NS	0.1	0.1 U	0.1 U	0.13	NS	NS

SENECA ARMY DEPOT
EXPANDED SITE INSPECTION
QUALITY ASSURANCE / QUALITY CONTROL SAMPLES
RINSATE BLANKS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID UNITS	WATER SEAD-17 10/22/93 SS17-18R 202056	WATER SEAD-24 11/30/93 SB24-1.1R 205881	WATER SEAD-24 11/30/93 SB24-1.1RRE 205881	WATER SEAD-24 10/22/93 SS24-9R 202088	WATER 25 02/06/94 MW25-1R 210542	WATER SEAD-25 12/03/93 SB25-2.1R 206054 RINSATE	WATER SEAD-26 11/17/93 SB26-2.1R 204831	WATER SEAD-26 10/25/93 SS26-3R 202248	WATER SEAD-45 11/09/93 SS45-5R 202510	WATER SEAD-45 11/09/93 TP45-4R 204029	WATER DISTILLED WATER 01/06/94 DDW-01 207952
VOLATILE ORGANICS												
Chloromethane	ug/L	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	NS	10 U	17	10 U	10 U	10 U	10 U	1 J	10 U
Carbon Disulfide	ug/L	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	3 J	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	NS	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	NS	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	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	NS	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	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	NS	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	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	NS	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	NS	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	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethane	ug/L	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	NS	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	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	NS	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	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	NS	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	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethane	ug/L	10 U	10 U	NS	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	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
MTBE	ug/L	NS	NS	NS	NS	ND	10 U	ND	NA	NS	NS	NS
HERBICIDES												
2,4-D	ug/L	1.2 U	1.1 U	NS	1.3 U	1.2 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U
2,4-DB	ug/L	1.2 U	1.1 U	NS	1.3 U	1.2 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U
2,4,5-T	ug/L	0.12 U	0.11 U	NS	0.13 U	0.12 U	0.11 U	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U
2,4,5-TP (Silvex)	ug/L	0.12 U	0.11 U	NS	0.13 U	0.12 U	0.11 U	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U
Daeton	ug/L	2.7 U	2.5 U	NS	2.8 U	2.7 U	2.5 U	2.6 U	2.4 U	2.4 U	2.5 U	2.5 U
Diamba	ug/L	0.12 U	0.11 U	NS	0.13 U	0.12 U	0.11 U	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U
Dichloroprop	ug/L	1.2 U	1.1 U	NS	1.3 U	1.2 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U
Dinoseb	ug/L	0.57 U	0.54 U	NS	0.61 U	0.57 U	0.53 U	0.57 U	0.52 U	0.11 U	0.53 U	0.54 U
MCPA	ug/L	120 U	110 U	NS	130 U	120 U	110 U	120 U	110 U	110 U	110 U	110 U
MCPP	ug/L	120 U	110 U	NS	130 U	120 U	110 U	120 U	110 U	110 U	110 U	110 U
NITROAROMATICS												
HMX	ug/L	0.13 U	0.13 U	NS	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
RDX	ug/L	5 J	0.13 U	NS	0.13 U	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	NS	0.13 U	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	NS	0.13 U	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	NS	0.13 U	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	NS	0.13 U	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	NS	0.13 U	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	NS	0.13 U	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	NS	0.13 U	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	NS	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U

SENECA ARMY DEPOT
EXPANDED SITE INSPECTION
QUALITY ASSURANCE / QUALITY CONTROL SAMPLES
RINSATE BLANKS

MATRIX LOCATION SAMPLE DATE ES ID LAB ID	WATER SEAD-17 10/22/93 SS17-18R 202056	WATER SEAD-24 11/30/93 SB24-1.1R 205881	WATER SEAD-24 11/30/93 SB24-1.1RR 205881	WATER SEAD-24 10/22/93 SS24-9R 202068	WATER 25 02/06/94 MW25-1R 210542	WATER SEAD-25 12/03/93 SB25-2.1R 206054 RINSATE	WATER SEAD-26 11/17/93 SB26-2.1R 204831	WATER SEAD-26 10/25/93 SS26-3R 202248	WATER SEAD-45 10/26/93 SS45-5R 202510	WATER SEAD-45 11/09/93 TP45-4R 204029	WATER DISTILLED WATER 01/06/94 DDW-01 207952
SEMI-VOLATILE ORGANICS											
Phenol	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
bis(2-Chloroethyl) ether	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
2-Chlorophenol	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
1,3-Dichlorobenzene	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
1,4-Dichlorobenzene	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
1,2-Dichlorobenzene	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
2-Methylphenol	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
4-Methylphenol	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
N-Nitroso-d-n-propylamine	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
Hexachloroethane	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
Nitrobenzene	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
Isophorone	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
2-Nitrophenol	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
2,4-Dimethylphenol	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
bis(2-Chloroethoxy) methane	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
2,4-Dichlorophenol	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
1,2,4-Trichlorobenzene	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
Naphthalene	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
4-Chloroaniline	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
Hexachlorobutadiene	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
2-Methylnaphthalene	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
Hexachlorocyclopentadiene	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
2,4,6-Trichlorophenol	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
2,4,5-Trichlorophenol	ug/L	25 U	26 U	NS	25 U	25 U	27 U	26 U	26 U	26 U	26 U
2-Chloronaphthalene	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
2-Nitroaniline	ug/L	25 U	26 U	NS	25 U	25 U	27 U	26 U	26 U	26 U	26 U
Dimethylphthalate	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
Acenaphthylene	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
2,6-Dinitrotoluene	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
3-Nitroaniline	ug/L	25 U	26 U	NS	25 U	25 U	27 U	26 U	26 U	26 U	26 U
Acenaphthene	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
2,4-Dinitrophenol	ug/L	25 U	26 U	NS	25 U	25 U	27 U	26 U	26 U	26 U	26 U
4-Nitrophenol	ug/L	25 U	26 U	NS	25 U	25 U	27 U	26 U	26 U	26 U	26 U
Dibenzofuran	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
2,4-Dinitrotoluene	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
Diethylphthalate	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
4-Chlorophenyl-phenylether	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
Fluorene	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
4-Nitroaniline	ug/L	25 U	26 U	NS	25 U	25 U	27 U	26 U	26 U	26 U	26 U
4,6-Dinitro-2-methylphenol	ug/L	25 U	26 U	NS	25 U	25 U	27 U	26 U	26 U	26 U	26 U
N-Nitrosodiphenylamine	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
4-Bromophenyl-phenylether	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
Hexachlorobenzene	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
Pentachlorophenol	ug/L	25 U	26 U	NS	25 U	25 U	27 U	26 U	26 U	26 U	26 U
Phenanthrene	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
Anthracene	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
Carbazole	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
Di-n-butylphthalate	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
Fluoranthene	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
Pyrene	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
Butylbenzylphthalate	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
Benzo(a)anthracene	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
Chrysene	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	10 U	NS	10 U	10 U	27	10 U	11 U	10 U	10 U
Di-n-octylphthalate	ug/L	10 U	10 U	NS	10 U	10 U	0.8 J	10 U	11 U	10 U	10 U
Benzo(b)fluoranthene	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
Benzo(k)fluoranthene	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
Benzo(e)pyrene	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
Dibenzo(a,h)anthracene	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U
Benzo(g,h,i)perylene	ug/L	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U

SENECA ARMY DEPOT
EXPANDED SITE INSPECTION
QUALITY ASSURANCE / QUALITY CONTROL SAMPLES
RINSATE BLANKS

MATRIX LOCATION SAMPLE DATE ES ID LAB ID UNITS	WATER SEAD-17 10/22/93 SS17-16R 202056	WATER SEAD-24 11/30/93 SB24-1.1R 205861	WATER SEAD-24 11/30/93 SB24-1.1RRE 205861	WATER SEAD-24 10/22/93 SS24-9R 202068	WATER 25 02/06/94 MW25-1R 210542	WATER SEAD-25 12/03/93 SB25-2.1R 206054	WATER SEAD-26 11/17/93 SB26-2.1R 204831	WATER SEAD-26 10/25/93 SS26-3R 202248	WATER SEAD-45 10/26/93 SS45-5R 202510	WATER SEAD-45 11/09/93 TP45-4R 204029	WATER SEAD-45 11/09/93 TP45-4R 204029	DISTILLED WATER 01/06/94 DDW-01 207952
PESTICIDES/PCB												
alpha-BHC	ug/L	0.054 U	0.054 U	NS	0.056 U	0.061 U	0.054 UJ	0.054 U	0.052 U	0.052 U	0.05 U	0.052 U
beta-BHC	ug/L	0.054 U	0.054 U	NS	0.056 U	0.061 U	0.054 UJ	0.054 U	0.052 U	0.052 U	0.05 U	0.052 U
delta-BHC	ug/L	0.054 U	0.054 U	NS	0.056 U	0.061 U	0.054 UJ	0.054 U	0.052 U	0.052 U	0.05 U	0.052 U
gamma-BHC (Lindane)	ug/L	0.054 U	0.054 U	NS	0.056 U	0.061 U	0.054 UJ	0.054 U	0.052 U	0.052 U	0.05 U	0.052 U
Heptachlor	ug/L	0.054 U	0.054 U	NS	0.056 U	0.061 U	0.054 UJ	0.054 U	0.052 U	0.052 U	0.05 U	0.052 U
Aldrin	ug/L	0.054 U	0.054 U	NS	0.056 U	0.061 U	0.054 UJ	0.054 U	0.052 U	0.052 U	0.05 U	0.052 U
Heptachlor epoxide	ug/L	0.054 U	0.054 U	NS	0.056 U	0.061 U	0.054 UJ	0.054 U	0.052 U	0.052 U	0.05 U	0.052 U
Endosulfan I	ug/L	0.054 U	0.054 U	NS	0.056 U	0.061 U	0.054 UJ	0.054 U	0.052 U	0.052 U	0.05 U	0.052 U
Dieldrin	ug/L	0.11 U	0.11 U	NS	0.11 U	0.12 U	0.11 UJ	0.11 U	0.1 U	0.052 U	0.05 U	0.052 U
4,4'-DDE	ug/L	0.11 U	0.11 U	NS	0.11 U	0.12 U	0.11 UJ	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U
Endrin	ug/L	0.11 U	0.11 U	NS	0.11 U	0.12 U	0.11 UJ	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan II	ug/L	0.11 U	0.11 U	NS	0.11 U	0.12 U	0.11 UJ	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDD	ug/L	0.11 U	0.11 U	NS	0.11 U	0.12 U	0.11 UJ	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan sulfate	ug/L	0.11 U	0.11 U	NS	0.11 U	0.12 U	0.11 UJ	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDT	ug/L	0.11 U	0.11 U	NS	0.11 U	0.12 U	0.11 UJ	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U
Methoxychlor	ug/L	0.54 U	0.54 U	NS	0.56 U	0.61 U	0.54 UJ	0.54 U	0.52 U	0.52 U	0.5 U	0.52 U
Endrin ketone	ug/L	0.11 U	0.11 U	NS	0.11 U	0.12 U	0.11 UJ	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U
Endrin aldehyde	ug/L	0.11 U	0.11 U	NS	0.11 U	0.12 U	0.11 UJ	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U
alpha-Chlordane	ug/L	0.054 U	0.054 U	NS	0.056 U	0.061 U	0.054 UJ	0.054 U	0.052 U	0.052 U	0.05 U	0.052 U
gamma-Chlordane	ug/L	0.054 U	0.054 U	NS	0.056 U	0.061 U	0.054 UJ	0.054 U	0.052 U	0.052 U	0.05 U	0.052 U
Toxaphene	ug/L	5.4 U	5.4 U	NS	5.6 U	6.1 U	5.4 UJ	5.4 U	5.2 U	5.2 U	5 U	5.2 U
Aroclor-1016	ug/L	1.1 U	1.1 U	NS	1.1 U	1.2 U	1.1 UJ	1.1 U	1 U	1 U	1 U	1 U
Aroclor-1221	ug/L	2.2 U	2.2 U	NS	2.3 U	2.4 U	2.1 UJ	2.1 U	2.1 U	2.1 U	2 U	2.1 U
Aroclor-1232	ug/L	1.1 U	1.1 U	NS	1.1 U	1.2 U	1.1 UJ	1.1 U	1 U	1 U	1 U	1 U
Aroclor-1242	ug/L	1.1 U	1.1 U	NS	1.1 U	1.2 U	1.1 UJ	1.1 U	1 U	1 U	1 U	1 U
Aroclor-1248	ug/L	1.1 U	1.1 U	NS	1.1 U	1.2 U	1.1 UJ	1.1 U	1 U	1 U	1 U	1 U
Aroclor-1254	ug/L	1.1 U	1.1 U	NS	1.1 U	1.2 U	1.1 UJ	1.1 U	1 U	1 U	1 U	1 U
Aroclor-1260	ug/L	1.1 U	1.1 U	NS	1.1 U	1.2 U	1.1 UJ	1.1 U	1 U	1 U	1 U	1 U
METALS												
Aluminum	ug/L	44.5 U	44.6 U	NA	44.9 U	41.8 U	44.9 U	44.8 U	44.7 U	46.7 J	44.6 U	42 U
Antimony	ug/L	52.3 U R	52.4 U	NA	52.8 U	21.4 UJ	52.8 U	52.7 UJ	52.5 U	52.8 U	52.4 U	21.6 U
Arsenic	ug/L	0.99 U	1.4 U	NA	0.99 U	1.4 U	1.4 U	0.99 U	0.99 U	0.99 U	1.2 J	0.8 U
Barium	ug/L	1 J R	1.1 J	NA	0.9 U	3.5 U	0.98 J	1.3 J	4 J	2.6 J	2.9 J	3.5 U
Beryllium	ug/L	0.3 U	0.3 U	NA	0.3 U	0.4 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.4 U
Cadmium	ug/L	3.3 U	3.3 U	NA	3.3 U	2.1 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U R	2.1 U
Calcium	ug/L	2730 J	7270 J	NA	74.6 J R	302 J	199 J	7390 J	20400 J	11500 J	15400 J	154 J R
Chromium	ug/L	2.5 U	2.5 U	NA	2.5 U	2.6 U	4.1 J	3.9 J	2.5 U	2.5 U	2.5 U	2.6 U
Cobalt	ug/L	4.9 U	4.9 U	NA	4.9 U	4.4 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.4 U
Copper	ug/L	3.7 U	3.8 J	NA	4 J	13 J	3.7 U	5.2 J	4.1 J	6.4 J	4.9 J	4.7 J
Iron	ug/L	33.3 R	160 R	NA	15.7 J R	19.6 J	103 R	101 R	25 J	15.2 J	11.1 J R	11.2 J R
Lead	ug/L	0.59 U	0.5 U	NA	0.6 U	0.6 J	0.5 U	0.5 U	0.79 U	0.79 U	0.79 U	0.5 U
Magnesium	ug/L	181 R	443 J	NA	27.5 U	114 U	73 J	467 J	1290 J	704 J	930 J	115 U
Manganese	ug/L	0.87 J	2.3 J	NA	0.6 U	1.1 U	1.7 J	2 J	0.6 U	0.6 U	0.61 J	1.5 U
Mercury	ug/L	0.07 U	0.07 UJ	0.07 UJ	0.07 UJ	0.04 U	0.07 J R	0.07 U	0.07 U	0.07 U	0.07 U	0.04 U
Nickel	ug/L	4.1 U	4.1 U	NA	4.1 U	4 U	9.1 J	4.1 U	5.9 J	4.1 J	4.1 U	4.3 J R
Potassium	ug/L	721 U	723 U	NA	728 U	902 U	728 U	727 U	725 U	728 U	723 U	910 U
Selenium	ug/L	1.1 U	1.1 U	NA	1.1 U	0.7 U	1.1 U	1.6 J	1.1 U	1.1 U	1.1 UJ	0.7 U
Silver	ug/L	6.6 U	6.7 U	NA	6.7 U	4.2 U	6.7 U	6.7 UJ	7.3 J	7.1 J	6.7 UJ	4.2 U
Sodium	ug/L	232 J	575 J	NA	171 J	1850 J	4090 J	353 J	740 J	418 J	545 J	197 U
Thallium	ug/L	1.2 U	1.2 U	NA	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 UJ	1.2 U
Vanadium	ug/L	3.3 U	3.3 U	NA	3.3 U	3.7 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.7 U
Zinc	ug/L	55.5 U	15.1 J	NA	21 U	10.9 J	5.3 J	15.8 J R	25.6 J	18.8 J	24.6 J	2.1 J
Cyanide	ug/L	8.3 U	5 U	NA	1.3 U	5 U	6 U	5.8 U	8.3 U	8.3 U	5 U	5 U
OTHER ANALYSES												
Nitrate/Nitrite-Nitrogen	mg/L	0.03	0.02	NS	0.03	0.01	0.01	0.01	0.01	0.01	0.01	NS
Total Petroleum Hydrocarbons	mg/L	NS	NS	NS	0.47 U	0.43 U	NS	0.37 U	0.39 U	NS	NS	NS
Fluoride	mg/L	NS	0.43 U	NS	NS	0.1	0.41 U	0.11	NS	NS	NS	NS
pH	standard units	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

SENECA ARMY DEPOT
EXPANDED SITE INSPECTION
QUALITY ASSURANCE / QUALITY CONTROL SAMPLES
TRIP BLANKS

MATRIX LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
SAMPLE DATE	11/01/93	11/02/93	11/03/93	11/15/93	11/16/93	11/17/93	11/18/93	11/19/93	11/30/93	12/05/93	
ES ID	TB11-1	TB11-2	TB11-3	TB11-16	TB11-16	TB11-17	TB11-18	TB11-19	TB11-30	TB12-5	
LAB ID	202945	203214	203413	204635	204659	204981	205064	205060	205882	206189	
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	10 U	10 U	5 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	17	10 U	10 U	11 U	10 U	12 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
MTBE	ug/L	NS	NS	NS	NS	NS	NA	NA	NS	NS	NS

SENECA ARMY DEPOT
EXPANDED SITE INSPECTION
QUALITY ASSURANCE / QUALITY CONTROL SAMPLES
TRIP BLANKS

MATRIX LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
SAMPLE DATE	12/06/93	01/26/94	12/07/93	12/15/93	12/16/93	12/17/93	SEAD-13	01/06/94	01/20/94	01/22/94	01/23/94
ES ID	TB12-6	TB12-6	TB12-7	TB12-15	TB12-16	TB12-17		TB1-6	TB1-20	TB1-22	TB1-23
LAB ID	206275	209414	206422	207100	207032	207189		207953	209095	209262	209263
COMPOUND	UNITS	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	17	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
MTBE	ug/L	NS	NA	NS	NS	NS	NS	NS	NA	NA	NA