

SEAD-01-003

00054



SENECA ARMY DEPOT
ROMULUS, NEW YORK

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

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	ES ID	LAB ID	SOIL SEAD-4 0-0.5 12/13/93 SSA-1 206636	SOIL SEAD-4 0-0.5 12/13/93 SSA-2 206637	SOIL SEAD-4 0-0.5 12/13/93 SSA-3 206638	SOIL SEAD-4 0-0.5 12/13/93 SSA-4 206639	SOIL SEAD-4 0-0.5 12/13/93 SSA-5 206640	SOIL SEAD-4 0-0.5 12/13/93 SSA-6 206641	SOIL SEAD-4 0-0.5 12/13/93 SSA-7 206642	SOIL SEAD-4 0-2 12/06/93 SBA-1.5 206268	SOIL SEAD-4 4-6 12/06/93 SBA-1.3 206267
	UNITS											
VOLATILE ORGANICS												
Chloromethane	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
Bromomethane	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
Vinyl Chloride	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
Chloroethane	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
Methylene Chloride	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
Acetone	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
Carbon Disulfide	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
1,1-Dichloroethane	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
1,1-Dichloroethane	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
1,2-Dichloroethane (total)	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
Chloroform	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
1,2-Dichloroethane	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
2-Butanone	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
1,1,1-Trichloroethane	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
Carbon Tetrachloride	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
Bromodichloromethane	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
1,2-Dichloropropane	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
cis-1,3-Dichloropropene	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
Trichloroethene	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
Dibromochloromethane	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
1,1,2-Trichloroethane	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
Benzene	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
trans-1,3-Dichloropropene	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
Bromoform	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
4-Methyl-2-Pentanone	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
2-Hexanone	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
Tetrachloroethene	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
1,1,2,2-Tetrachloroethane	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
Toluene	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
Chlorobenzene	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
Ethylbenzene	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
Styrene	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
Xylene (total)	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
MTBE	ug/Kg	14 U		13 U	14 U	13 U	13 U	13 U	13 U	24 U	12 U	12 U
HERBICIDES												
2,4-D	ug/Kg	61 U		63 U	63 U	63 U	67 U	61 U	67 U	110 U	59 U	59 U
2,4-DB	ug/Kg	61 U		63 U	63 U	63 U	67 U	61 U	67 U	110 U	59 U	59 U
2,4,5-T	ug/Kg	61 U		63 U	63 U	63 U	67 U	61 U	67 U	110 U	59 U	59 U
2,4,5-TP (Silvex)	ug/Kg	61 U		63 U	63 U	63 U	67 U	61 U	67 U	110 U	59 U	59 U
Dalapon	ug/Kg	150 U		150 U	150 U	150 U	150 U	150 U	150 U	150 U	150 U	150 U
Dicamba	ug/Kg	61 U		63 U	63 U	63 U	67 U	61 U	67 U	110 U	59 U	59 U
Dichloroprop	ug/Kg	61 U		63 U	63 U	63 U	67 U	61 U	67 U	110 U	59 U	59 U
Dinoseb	ug/Kg	31 U		32 U	32 U	32 U	34 U	31 U	34 U	34 U	30 U	30 U
MCPA	ug/Kg	6100 U		6300 U	6300 U	6300 U	6700 U	6100 U	6700 U	11000 U	5900 U	5900 U
MCPP	ug/Kg	6100 U		6300 U	6300 U	6300 U	6700 U	6100 U	6700 U	11000 U	5900 U	5900 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	120 U		130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
1,3-Dinitrobenzene	ug/Kg	130 U		130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
Tetryl	ug/Kg	130 U		130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,4,6-Trinitrotoluene	ug/Kg	72 J		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	90 U		130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,6-Dinitrotoluene	ug/Kg	130 U		130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,4-Dinitrotoluene	ug/Kg	130 U		130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U

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

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SEAD-4 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	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 SB4-1.5 206265	SOIL SEAD-4 0-2 12/06/93 SB4-1.5 206266	SOIL SEAD-4 0-2 12/06/93 SB4-1.5 206267
SEMIVOLATILE ORGANICS										
Phend	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
bis(2-Chloroethyl) ether	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
2-Chlorophend	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
1,3-Dichlorobenzene	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
1,4-Dichlorobenzene	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
1,2-Dichlorobenzene	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
2-Methylphenol	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
2,2'-oxybis(1-Chloropropane)	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
4-Methylphenol	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
N-Nitroso-di-n-propylamine	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
Hexachloroethane	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
Nitrobenzene	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
Isophorone	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
2-Nitrophenol	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
2,4-Dimethylphenol	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
bis(2-Chloroethoxy) methane	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
2,4-Dichlorophenol	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
1,2,4-Trichlorobenzene	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
Naphthalene	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
4-Chloroaniline	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
Hexachlorobutadiene	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
4-Chloro-3-methylphenol	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
2-Methylnaphthalene	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
Hexachlorocyclopentadiene	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
2,4,6-Trichlorophenol	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
2,4,5-Trichlorophenol	960 U	960 U	1000 U	1000 U	960 U	1100 U	1700 U	940 U	950 U	940 U
2-Chloronaphthalene	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
2-Nitroaniline	960 U	960 U	1000 U	1000 U	960 U	1100 U	1700 U	940 U	950 U	940 U
Dimethylphthalate	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
Acenaphthylene	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
2,6-Dinitrotoluene	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
3-Nitroaniline	960 U	960 U	1000 U	1000 U	960 U	1100 U	1700 U	940 U	950 U	940 U
Acenaphthene	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
2,4-Dinitrophenol	960 U	960 U	1000 U	1000 U	960 U	1100 U	1700 U	940 U	950 U	940 U
4-Nitrophenol	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
Dibenzofuran	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
2,4-Dinitrotoluene	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
Dibenzylphthalate	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
4-Chlorophenyl-phenylether	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
Fluorene	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
4-Nitroaniline	960 U	960 U	1000 U	1000 U	960 U	1100 U	1700 U	940 U	950 U	940 U
4,6-Dinitro-2-methylphenol	960 U	960 U	1000 U	1000 U	960 U	1100 U	1700 U	940 U	950 U	940 U
N-Nitrosodiphenylamine	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
4-Bromophenyl-phenylether	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
Hexachlorobenzene	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
Pentachlorophend	960 U	960 U	1000 U	1000 U	960 U	1100 U	1700 U	940 U	950 U	940 U
Phenanthrene	110 J	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
Anthracene	25 J	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
Carbazole	85 J	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
Di-n-butylphthalate	230 J	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
Fluoranthene	18 J	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
Pyrene	210 J	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
Buylbenzylphthalate	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
3,3'-Dichlorobenzidine	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
Benzofluoranthene	110 J	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
Benzofluoranthene	140 J	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
Chrysene	45 J	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
bis(2-Ethylhexyl)phthalate	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
Di-n-octylphthalate	150 J	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
Benzofluoranthene	65 J	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
Benzofluoranthene	100 J	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
Benzofluoranthene	75 J	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
Indeno(1,2,3-cd)pyrene	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
Dibenz(a,h)anthracene	400 U	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U
Benzofluoranthene	86 J	400 U	410 U	410 U	400 U	440 U	720 U	390 U	390 U	390 U

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

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB 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 0-2 12/06/93 SB4-1.1 206265	SOIL SEAD-4 0-2 12/06/93 SB4-1.5 206266	SOIL SEAD-4 0-2 12/06/93 SB4-1.1 206267	SOIL SEAD-4 0-2 12/06/93 SB4-1.1 206268	SOIL SEAD-4 0-2 12/06/93 SB4-1.1 206269
METALS		15800	18700	10800	15100	15800	18800	14800	21000	15300	21000	14800
Aluminum	mg/Kg	37.1 J	4.3 UJ	37.1 J	76.9 J	96.1 J	59.9 J	14100 J	5.8 UJ	4.8 UJ	11.0 J	4.8 UJ
Antimony	mg/Kg	5.9	5.9	7	6.1	9.9	7	13.1 J	4.2	6.2	2.0	6.2
Arsenic	mg/Kg	62	76.1	34.4	96.2	92	129	277 J	97.7	72	2.0	72
Barium	mg/Kg	0.69 J	0.84 J	0.53 J	0.7 J	0.78 J	1 J	1.8 J	0.64 J	0.73 J	2.0	0.73 J
Beryllium	mg/Kg	0.38 U	0.42 U	0.38 U	0.51 U	0.54 U	0.54 U	1.8 J	0.37 U	0.47 U	2.0	0.47 U
Cadmium	mg/Kg	14300	3480	11200	6930	7210	5410	196000 J	2460	4280	2.0	4280
Calcium	mg/Kg	25.3 J	56.1 J	1790 J	4200 J	4870 J	395 J	34.1 J	27.9	23.2	2.0	23.2
Chromium	mg/Kg	12.7	15.3	10.2	12.8	14.9	17.7	12.4 J	11.3	11.3	2.0	11.3
Cobalt	mg/Kg	20 J	40.6 J	1350 J	3410 J	3120 J	234 J	35.5 J	15.1	14.1	2.0	15.1
Copper	mg/Kg	29800	33600	21900	31000	31000	34300	64600 J	19500	27500	2.0	27500
Iron	mg/Kg	23.7	12	27.3	19	27.2	22.7	102.7 J	9.8 J	7.5 J	2.0	9.8 J
Lead	mg/Kg	6850	6100	4400	5950	5470	5030	8550 J	4460	4270	2.0	4270
Magnesium	mg/Kg	708	638	335	339	539	1080	615 J	119 J	615 J	2.0	615 J
Manganese	mg/Kg	0.02 J	0.04 J	0.15	0.21	0.15	0.04 J	0.27 J	0.04 J	0.05 J	2.0	0.05 J
Mercury	mg/Kg	36.8	40.1	25.9	37.2	35.3	37.2	228 J	25.1	25.1	2.0	25.1
Nickel	mg/Kg	1650	1930	861	1310	1870	2080	2540 J	2490	1250	2.0	1250
Potassium	mg/Kg	0.27 J	0.15 U	0.2 J	0.16 J	0.21 J	0.55 J	3.4 J	0.23 J	0.4 J	2.0	0.4 J
Selenium	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	0.93 U	2.0	0.93 U
Silver	mg/Kg	61.8 J	49.2 J	57.8 J	50.4 J	47.7 J	54.9 J	1270 J	39.2 J	39.2 J	2.0	39.2 J
Sodium	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	2.0	0.23 U
Tantalum	mg/Kg	22.9	27.2	14.7	24.1	28.7	31.7	1250 J	31	28.6	2.0	31
Vanadium	mg/Kg	65.9	96.5	566	636	636	140	859 J	72.1	79.6	2.0	79.6
Zinc	mg/Kg	0.55 U	0.57 U	0.6 U	0.62 U	0.58 U	0.58 U	0.89 UJ	0.53 U	0.52 U	2.0	0.52 U
Cyanide	mg/Kg										2.0	
OTHER ANALYSES												
Nitrate/Nitrite-Nitrogen	mg/Kg	0.05	0.1	0.1	1.51	0.07	0.08	0.11	0.04	0.07	2.0	0.07
Total Solids	%W/W	82	83.2	79.8	79.7	81.8	75.1	45.8	83.8	85.2	2.0	85.2
Total Petroleum Hydrocarbons	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.0	NS
Fluoride	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.0	NS
pH	standard units	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.0	NS

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

COMPOUND	PESTICIDES/PCB	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID UNITS	SOIL SEAD-4				SOIL SEAD-4				SOIL SEAD-4				SOIL SEAD-4			
			SEAD-4	SEAD-4	SEAD-4	SEAD-4	SEAD-4	SEAD-4	SEAD-4	SEAD-4	SEAD-4	SEAD-4	SEAD-4	SEAD-4	SEAD-4	SEAD-4	SEAD-4	SEAD-4
Aluminum			19 UU	1.9 U	1.8 U	1.8 U	1.8 U	2.3 U	2.3 U	2.2 UU	NS	NS	NS	NS	NS	NS	NS	
Antimony			1.9 UU	1.9 U	1.8 U	1.8 U	1.8 U	2.3 U	2.3 U	2.2 UU	NS	NS	NS	NS	NS	NS	NS	
Asenic			1.9 UU	1.9 U	1.8 U	1.8 U	1.8 U	2.3 U	2.3 U	2.2 UU	NS	NS	NS	NS	NS	NS	NS	
Barium			1.9 UU	1.9 U	1.8 U	1.8 U	1.8 U	2.3 U	2.3 U	2.2 UU	NS	NS	NS	NS	NS	NS	NS	
Beryllium			1.9 UU	1.9 U	1.8 U	1.8 U	1.8 U	2.3 U	2.3 U	2.2 UU	NS	NS	NS	NS	NS	NS	NS	
Calcium			1.9 UU	1.9 U	1.8 U	1.8 U	1.8 U	2.3 U	2.3 U	2.2 UU	NS	NS	NS	NS	NS	NS	NS	
Chromium			1.9 UU	1.9 U	1.8 U	1.8 U	1.8 U	2.3 U	2.3 U	2.2 UU	NS	NS	NS	NS	NS	NS	NS	
Chlorine			1.9 UU	1.9 U	1.8 U	1.8 U	1.8 U	2.3 U	2.3 U	2.2 UU	NS	NS	NS	NS	NS	NS	NS	
Cobalt			1.9 UU	1.9 U	1.8 U	1.8 U	1.8 U	2.3 U	2.3 U	2.2 UU	NS	NS	NS	NS	NS	NS	NS	
Copper			1.9 UU	1.9 U	1.8 U	1.8 U	1.8 U	2.3 U	2.3 U	2.2 UU	NS	NS	NS	NS	NS	NS	NS	
Iron			1.9 UU	1.9 U	1.8 U	1.8 U	1.8 U	2.3 U	2.3 U	2.2 UU	NS	NS	NS	NS	NS	NS	NS	
Lead			1.9 UU	1.9 U	1.8 U	1.8 U	1.8 U	2.3 U	2.3 U	2.2 UU	NS	NS	NS	NS	NS	NS	NS	
Magnesium			1.9 UU	1.9 U	1.8 U	1.8 U	1.8 U	2.3 U	2.3 U	2.2 UU	NS	NS	NS	NS	NS	NS	NS	
Manganese			1.9 UU	1.9 U	1.8 U	1.8 U	1.8 U	2.3 U	2.3 U	2.2 UU	NS	NS	NS	NS	NS	NS	NS	
Mercury			1.9 UU	1.9 U	1.8 U	1.8 U	1.8 U	2.3 U	2.3 U	2.2 UU	NS	NS	NS	NS	NS	NS	NS	
Nickel			1.9 UU	1.9 U	1.8 U	1.8 U	1.8 U	2.3 U	2.3 U	2.2 UU	NS	NS	NS	NS	NS	NS	NS	
Potassium			1.9 UU	1.9 U	1.8 U	1.8 U	1.8 U	2.3 U	2.3 U	2.2 UU	NS	NS	NS	NS	NS	NS	NS	
Selenium			1.9 UU	1.9 U	1.8 U	1.8 U	1.8 U	2.3 U	2.3 U	2.2 UU	NS	NS	NS	NS	NS	NS	NS	
Silver			1.9 UU	1.9 U	1.8 U	1.8 U	1.8 U	2.3 U	2.3 U	2.2 UU	NS	NS	NS	NS	NS	NS	NS	
Sodium			1.9 UU	1.9 U	1.8 U	1.8 U	1.8 U	2.3 U	2.3 U	2.2 UU	NS	NS	NS	NS	NS	NS	NS	
Thallium			1.9 UU	1.9 U	1.8 U	1.8 U	1.8 U	2.3 U	2.3 U	2.2 UU	NS	NS	NS	NS	NS	NS	NS	
Vanadium			1.9 UU	1.9 U	1.8 U	1.8 U	1.8 U	2.3 U	2.3 U	2.2 UU	NS	NS	NS	NS	NS	NS	NS	
Zinc			1.9 UU	1.9 U	1.8 U	1.8 U	1.8 U	2.3 U	2.3 U	2.2 UU	NS	NS	NS	NS	NS	NS	NS	
Cyanide			1.9 UU	1.9 U	1.8 U	1.8 U	1.8 U	2.3 U	2.3 U	2.2 UU	NS	NS	NS	NS	NS	NS	NS	
OTHER ANALYSES																		
Nitrate/Nitrite-Nitrogen		mg/Kg		0.15	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Total Solids		%W/W		90.8	90.9	93.6	93.6	73.3	73.3	78.3	NS	NS	NS	NS	NS	NS	NS	
Total Petroleum Hydrocarbons		mg/Kg		NS	NS	NS	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	NS	NS	NS	
pH		standard units		NS	NS	NS	NS	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	SOIL SEAD-4 4-6 12/05/93 SB4-4.2 206145	SOIL SEAD-4 4-6 12/05/93 SB4-4.2 206145	SOIL SEAD-4 6-8 12/05/93 SB4-4.3 206147	SOIL SEAD-4 0-2 12/05/93 SB4-5.1 206149	SOIL SEAD-4 0-2 12/05/93 SB4-5.2 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	NS	11 U	11 U	13 U	11 U
Bromomethane	ug/Kg	11 U	NS	NS	11 U	11 U	13 U	11 U
Vinyl Chloride	ug/Kg	11 U	NS	NS	11 U	11 U	13 U	11 U
Chloroethane	ug/Kg	11 U	NS	NS	11 U	11 U	13 U	11 U
Methylene Chloride	ug/Kg	11 U	NS	NS	11 U	11 U	13 U	11 U
Acetone	ug/Kg	11 U	NS	NS	11 U	11 U	13 U	11 U
Carbon Disulfide	ug/Kg	11 U	NS	NS	11 U	11 U	13 U	11 U
1,1-Dichloroethane	ug/Kg	11 U	NS	NS	11 U	11 U	13 U	11 U
1,1-Dichloroethane	ug/Kg	11 U	NS	NS	11 U	11 U	13 U	11 U
1,2-Dichloroethane (total)	ug/Kg	11 U	NS	NS	11 U	11 U	13 U	11 U
Chloroform	ug/Kg	11 U	NS	NS	11 U	11 U	13 U	11 U
1,2-Dichloroethane	ug/Kg	11 U	NS	NS	11 U	11 U	13 U	11 U
2-Butanone	ug/Kg	11 U	NS	NS	11 U	11 U	13 U	11 U
1,1,1-Trichloroethane	ug/Kg	11 U	NS	NS	11 U	11 U	13 U	11 U
Carbon Tetrachloride	ug/Kg	11 U	NS	NS	11 U	11 U	13 U	11 U
Bromodichloromethane	ug/Kg	11 U	NS	NS	11 U	11 U	13 U	11 U
1,2-Dichloropropane	ug/Kg	11 U	NS	NS	11 U	11 U	13 U	11 U
cis-1,3-Dichloropropene	ug/Kg	11 U	NS	NS	11 U	11 U	13 U	11 U
Trichloroethene	ug/Kg	11 U	NS	NS	11 U	11 U	13 U	11 U
Dibromochloromethane	ug/Kg	11 U	NS	NS	11 U	11 U	13 U	11 U
1,1,2-Trichloroethane	ug/Kg	11 U	NS	NS	11 U	11 U	13 U	11 U
Benzene	ug/Kg	11 U	NS	NS	11 U	11 U	13 U	11 U
trans-1,3-Dichloropropene	ug/Kg	11 U	NS	NS	11 U	11 U	13 U	11 U
Bromoform	ug/Kg	11 U	NS	NS	11 U	11 U	13 U	11 U
4-Methyl-2-Pentanone	ug/Kg	11 U	NS	NS	11 U	11 U	13 U	11 U
2-Hexanone	ug/Kg	11 U	NS	NS	11 U	11 U	13 U	11 U
Tetrachloroethene	ug/Kg	11 U	NS	NS	11 U	11 U	13 U	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	11 U	NS	NS	11 U	11 U	13 U	11 U
Toluene	ug/Kg	11 U	NS	NS	11 U	11 U	13 U	11 U
Chlorobenzene	ug/Kg	11 U	NS	NS	11 U	11 U	13 U	11 U
Ethylbenzene	ug/Kg	11 U	NS	NS	11 U	11 U	13 U	11 U
Styrene	ug/Kg	11 U	NS	NS	11 U	11 U	13 U	11 U
Xylene (total)	ug/Kg	11 U	NS	NS	11 U	11 U	13 U	11 U
MTBE	ug/Kg	NS	NS	NS	NS	NS	NS	NS
HERBICIDES								
2,4-D	ug/Kg	54 U	NS	NS	59 U	58 U	67 U	54 U
2,4-DB	ug/Kg	54 U	NS	NS	59 U	58 U	67 U	54 U
2,4-T	ug/Kg	5.4 U	NS	NS	5.9 U	5.8 U	6.7 U	5.4 U
2,4,5-TP (Silvex)	ug/Kg	5.4 U	NS	NS	5.9 U	5.8 U	6.7 U	5.4 U
Dalapon	ug/Kg	130 U	NS	NS	150 U	140 U	160 U	130 U
Dicamba	ug/Kg	5.4 U	NS	NS	5.9 U	5.8 U	6.7 U	5.4 U
Dichloroprop	ug/Kg	54 U	NS	NS	59 U	58 U	67 U	54 U
Dinoseb	ug/Kg	27 U	NS	NS	30 U	29 U	34 U	27 U
MCPA	ug/Kg	5400 U	NS	NS	5900 U	5800 U	6700 U	5400 U
MCPP	ug/Kg	5400 U	NS	NS	5900 U	5800 U	6700 U	5400 U
NITROAROMATICS								
HMX	ug/Kg	130 U	NS	NS	130 U	130 U	130 U	130 U
RDX	ug/Kg	130 U	NS	NS	130 U	130 U	130 U	130 U
1,3,5-Trinitrobenzene	ug/Kg	130 U	NS	NS	130 U	130 U	130 U	130 U
1,3-Dinitrobenzene	ug/Kg	130 U	NS	NS	130 U	130 U	130 U	130 U
Tetryl	ug/Kg	130 U	NS	NS	130 U	130 U	130 U	130 U
2,4,6-Trinitrotoluene	ug/Kg	130 U	NS	NS	130 U	130 U	130 U	130 U
4-amino-2,6-Dinitrotoluene	ug/Kg	130 U	NS	NS	130 U	130 U	130 U	130 U
2-amino-4,6-Dinitrotoluene	ug/Kg	130 U	NS	NS	130 U	130 U	130 U	130 U
2,6-Dinitrotoluene	ug/Kg	130 U	NS	NS	130 U	130 U	130 U	130 U
2,4-Dinitrotoluene	ug/Kg	130 U	NS	NS	130 U	130 U	130 U	130 U

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

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SEMIVOLATILE ORGANICS							
Phend		360 U	370 U	390 U	380 U	380 U	370 U
bis(2-Chloroethyl) ether		360 U	370 U	390 U	380 U	380 U	370 U
2-Chlorophend		360 U	370 U	390 U	380 U	380 U	370 U
1,3-Dichlorobenzene		360 U	370 U	390 U	380 U	380 U	370 U
1,4-Dichlorobenzene		360 U	370 U	390 U	380 U	380 U	370 U
2-Methylphend		360 U	370 U	390 U	380 U	380 U	370 U
2,2'-oxybis(1-Chloropropane)		360 U	370 U	390 U	380 U	380 U	370 U
4-Methylphend		360 U	370 U	390 U	380 U	380 U	370 U
N-Nitroso-d-n-propylamine		360 U	370 U	390 U	380 U	380 U	370 U
Hexachloroethane		360 U	370 U	390 U	380 U	380 U	370 U
Nitrobenzene		360 U	370 U	390 U	380 U	380 U	370 U
Isophorone		360 U	370 U	390 U	380 U	380 U	370 U
2-Nitrophend		360 U	370 U	390 U	380 U	380 U	370 U
2,4-Dimethylphend		360 U	370 U	390 U	380 U	380 U	370 U
bis(2-Chloroethoxy) methane		360 U	370 U	390 U	380 U	380 U	370 U
2,4-Dichlorophend		360 U	370 U	390 U	380 U	380 U	370 U
1,2,4-Trichlorobenzene		360 U	370 U	390 U	380 U	380 U	370 U
Naphthalene		360 U	370 U	390 U	380 U	380 U	370 U
4-Chlorocalline		360 U	370 U	390 U	380 U	380 U	370 U
Hexachlorodiene		360 U	370 U	390 U	380 U	380 U	370 U
4-Chloro-3-methylphend		360 U	370 U	390 U	380 U	380 U	370 U
2-Methylnaphthalene		360 U	370 U	390 U	380 U	380 U	370 U
Hexachlorocyclopentadiene		360 U	370 U	390 U	380 U	380 U	370 U
2,4,5-Trichlorophend		360 U	370 U	390 U	380 U	380 U	370 U
2,4,5-Trichlorophend		360 U	370 U	390 U	380 U	380 U	370 U
2-Chloronaphthalene		360 U	370 U	390 U	380 U	380 U	370 U
2-Nitrocalline		360 U	370 U	390 U	380 U	380 U	370 U
Dimethylphthalate		360 U	370 U	390 U	380 U	380 U	370 U
Acerspithylene		360 U	370 U	390 U	380 U	380 U	370 U
2,6-Dinitrotoluene		360 U	370 U	390 U	380 U	380 U	370 U
3-Nitrocalline		360 U	370 U	390 U	380 U	380 U	370 U
Acersaphthene		360 U	370 U	390 U	380 U	380 U	370 U
2,4-Dinitrophend		360 U	370 U	390 U	380 U	380 U	370 U
4-Nitrophend		360 U	370 U	390 U	380 U	380 U	370 U
Dibenzofuran		360 U	370 U	390 U	380 U	380 U	370 U
Diethylphthalate		360 U	370 U	390 U	380 U	380 U	370 U
4-Chlorophenyl-phenylether		360 U	370 U	390 U	380 U	380 U	370 U
Fluorene		360 U	370 U	390 U	380 U	380 U	370 U
4-Nitrocalline		360 U	370 U	390 U	380 U	380 U	370 U
4,6-Dinitro-2-methylphend		360 U	370 U	390 U	380 U	380 U	370 U
N-Nitrosodiphenylamine		360 U	370 U	390 U	380 U	380 U	370 U
4-Bromophenyl-phenylether		360 U	370 U	390 U	380 U	380 U	370 U
Hexachlorobenzene		360 U	370 U	390 U	380 U	380 U	370 U
Pentachlorophend		360 U	370 U	390 U	380 U	380 U	370 U
Phenanthrene		360 U	370 U	390 U	380 U	380 U	370 U
Anthracene		360 U	370 U	390 U	380 U	380 U	370 U
Carbazole		360 U	370 U	390 U	380 U	380 U	370 U
Di-n-butylphthalate		360 U	370 U	390 U	380 U	380 U	370 U
Fluoranthene		360 U	370 U	390 U	380 U	380 U	370 U
Pyrene		360 U	370 U	390 U	380 U	380 U	370 U
Butylbenzylphthalate		360 U	370 U	390 U	380 U	380 U	370 U
3,3-Dichlorobenzidine		360 U	370 U	390 U	380 U	380 U	370 U
Benzofluoranthene		360 U	370 U	390 U	380 U	380 U	370 U
Benzofluoranthene		360 U	370 U	390 U	380 U	380 U	370 U
Chrysene		360 U	370 U	390 U	380 U	380 U	370 U
bis(2-Ethylhexyl)phthalate		360 U	370 U	390 U	380 U	380 U	370 U
Di-n-octylphthalate		360 U	370 U	390 U	380 U	380 U	370 U
Benzofluoranthene		360 U	370 U	390 U	380 U	380 U	370 U
Benzofluoranthene		360 U	370 U	390 U	380 U	380 U	370 U
Benzofluoranthene		360 U	370 U	390 U	380 U	380 U	370 U
Indeno(1,2,3-cd)pyrene		360 U	370 U	390 U	380 U	380 U	370 U
Dibenz(a,h)anthracene		360 U	370 U	390 U	380 U	380 U	370 U
Benzofluoranthene		360 U	370 U	390 U	380 U	380 U	370 U
Benzofluoranthene		360 U	370 U	390 U	380 U	380 U	370 U

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 SB4-4.2 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 SB4-5.2 206150	SOIL SEAD-4 2-4 12/05/93 SB4-5.2RE 206150	SOIL SEAD-4 0-2 12/05/93 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	1.9 U	NS	9.8 U	2 U	NS	2.3 UU	1.8 UU
beta-BHC	ug/Kg	1.8 U	1.9 U	NS	9.8 U	2 U	NS	2.3 UU	1.8 UU
delta-BHC	ug/Kg	1.8 U	1.9 U	NS	9.8 U	2 U	NS	2.3 UU	1.8 UU
gamma-BHC (lindane)	ug/Kg	1.8 U	1.9 U	NS	9.8 U	2 U	NS	2.3 UU	1.8 UU
Heptachlor	ug/Kg	1.8 U	1.9 U	NS	8.2 J	2 U	NS	2.3 UU	1.8 UU
Heptachlor epoxide	ug/Kg	1.8 U	1.9 U	NS	9.8 U	2 U	NS	2.3 UU	1.8 UU
Endosulfan I	ug/Kg	1.8 U	1.9 U	NS	11	2 U	NS	2.3 UU	1.8 UU
Endosulfan II	ug/Kg	3.6 U	3.7 U	NS	19 U	3.6 U	NS	4.4 UU	3.5 UU
4,4'-DDE	ug/Kg	3.6 U	3.7 U	NS	21 J	3.6 U	NS	4.4 UU	3.5 UU
Endrin	ug/Kg	3.6 U	3.7 U	NS	34 J	3.6 U	NS	4.4 UU	3.5 UU
Endosulfan III	ug/Kg	3.6 U	3.7 U	NS	19 U	3.6 U	NS	4.4 UU	3.5 UU
4,4'-DDD	ug/Kg	3.6 U	3.7 U	NS	19 U	3.6 U	NS	4.4 UU	3.5 UU
Endosulfan sulfate	ug/Kg	3.6 U	3.7 U	NS	19 U	3.6 U	NS	4.4 UU	3.5 UU
4,4'-DDT	ug/Kg	1.8 U	1.9 U	NS	9.8 U	2 U	NS	4.4 UU	3.5 UU
Methoxychlor	ug/Kg	3.6 U	3.7 U	NS	19 U	3.6 U	NS	4.4 UU	3.5 UU
Endrin ketone	ug/Kg	3.6 U	3.7 U	NS	19 U	3.6 U	NS	4.4 UU	3.5 UU
alpha-Chlorohyde	ug/Kg	1.8 U	1.9 U	NS	10 J	2 U	NS	4.4 UU	3.5 UU
gamma-Chlorohyde	ug/Kg	1.8 U	1.9 U	NS	9.8 U	2 U	NS	4.4 UU	3.5 UU
Toxaphene	ug/Kg	180 U	190 U	NS	980 U	200 U	NS	230 UU	180 UU
Aroclor-1016	ug/Kg	38 U	37 U	NS	190 U	36 U	NS	44 UU	35 UU
Aroclor-1221	ug/Kg	38 U	37 U	NS	390 U	77 U	NS	89 UU	72 UU
Aroclor-1232	ug/Kg	38 U	37 U	NS	190 U	36 U	NS	44 UU	35 UU
Aroclor-1242	ug/Kg	38 U	37 U	NS	190 U	36 U	NS	44 UU	35 UU
Aroclor-1248	ug/Kg	38 U	37 U	NS	190 U	36 U	NS	44 UU	35 UU
Aroclor-1254	ug/Kg	38 U	37 U	NS	1600	36 U	NS	44 UU	35 UU
Aroclor-1260	ug/Kg	38 U	37 U	NS	190 U	36 U	NS	44 UU	35 UU
METALS									
Aluminum	mg/Kg	9500	10200	NS	15000	15700	NS	17100	12800
Antimony	ug/Kg	3.4 UU	4.4 UU	NS	6.3 J	3.5 J	NS	4.8 UU	4 UU
Arsenic	ug/Kg	4.5	5	NS	3.3	6.9	NS	7.3	5.5
Barium	ug/Kg	45.4	50.5	NS	92.7	99.8	NS	132	97.1 J
Beryllium	ug/Kg	0.37 J	0.38 J	NS	0.65 J	0.65 J	NS	0.96 J	0.64 J
Cadmium	ug/Kg	0.33 U	0.42 U	NS	0.66 J	0.3 U	NS	0.48 U	0.39 U
Calcium	ug/Kg	65300	61300	NS	42800	55000	NS	3750	12400
Chromium	ug/Kg	21.8	75.8	NS	23.5	26.5	NS	25.7	24.4
Cobalt	ug/Kg	10.5	9.8 J	NS	9.5	9.5	NS	12.5	14.9
Copper	ug/Kg	19.6 J	52.8 J	NS	12.3	28.1 J	NS	25.7	19.5
Iron	ug/Kg	20500	24400	NS	27900	26700	NS	28600	28600
Lead	ug/Kg	8.7 J	6.8 J	NS	118	118 J	NS	18.5 J	11 J
Magnesium	ug/Kg	11700	8390	NS	10200	11800	NS	4560	5820
Manganese	ug/Kg	543	540	NS	648	498	NS	1260	415
Mercury	ug/Kg	0.03 J	0.04 U	NS	0.03 J	0.06 U	NS	0.02 J	0.02 J
Nickel	ug/Kg	24.6	27.2	NS	34.9	32.4	NS	35.2	39.3
Potassium	ug/Kg	1040	1090	NS	1720	1400	NS	2000	1250
Selenium	ug/Kg	0.1 UU	0.23 J	NS	0.32 J	0.45 J	NS	0.86 J	0.12 U
Silver	ug/Kg	0.67 U	0.85 U	NS	0.75 U	0.6 U	NS	1 J	0.78 U
Sodium	ug/Kg	116 U	132 U	NS	90.1 J	106 J	NS	43.7 U	49.1 J
Titanium	ug/Kg	0.16 U	0.2 U	NS	0.23 U	0.22 U	NS	0.24 U	0.2 U
Vanadium	ug/Kg	13.1	14.4	NS	23.8	24.4	NS	29	18.5
Zinc	ug/Kg	61.6	112	NS	238	67.3	NS	87.4	91.5
Cyanide	ug/Kg	0.62 U	0.54 U	NS	0.59 U	0.56 U	NS	0.6 U	0.52 U
OTHER ANALYSES									
Nitrate/Nitrite - Nitrogen	mg/Kg	0.03	0.01	NS	0.01	0.14	NS	0.16	0.04
Total Solids	%W/W	92.2	89.9	NS	85.1	86.4	NS	75.3	93.1
Total Petroleum Hydrocarbons	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS
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-4 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	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 6-8 12/05/93 SB4-7.4 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 2-4 12/05/93 SB4-8.2 206155	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 12 U	NS
VOLATILE ORGANICS												
Chloromethane	ug/Kg	12 U	NS	NS	NS	NS	NS	NS	NS	NS	12 U	NS
Bromomethane	ug/Kg	12 U	NS	NS	NS	NS	NS	NS	NS	NS	12 U	NS
Vinyl Chloride	ug/Kg	12 U	NS	NS	NS	NS	NS	NS	NS	NS	12 U	NS
Chloroethane	ug/Kg	12 U	NS	NS	NS	NS	NS	NS	NS	NS	12 U	NS
Methylene Chloride	ug/Kg	12 U	NS	NS	NS	NS	NS	NS	NS	NS	12 U	NS
Acetone	ug/Kg	12 U	NS	NS	NS	NS	NS	NS	NS	NS	12 U	NS
Carbon Disulfide	ug/Kg	12 U	NS	NS	NS	NS	NS	NS	NS	NS	12 U	NS
1,1-Dichloroethane	ug/Kg	12 U	NS	NS	NS	NS	NS	NS	NS	NS	12 U	NS
1,1-Dichloroethane	ug/Kg	12 U	NS	NS	NS	NS	NS	NS	NS	NS	12 U	NS
1,2-Dichloroethane (total)	ug/Kg	12 U	NS	NS	NS	NS	NS	NS	NS	NS	12 U	NS
Chloroform	ug/Kg	12 U	NS	NS	NS	NS	NS	NS	NS	NS	12 U	NS
1,2-Dichloroethane	ug/Kg	12 U	NS	NS	NS	NS	NS	NS	NS	NS	14	NS
2-Butanone	ug/Kg	12 U	NS	NS	NS	NS	NS	NS	NS	NS	12 U	NS
1,1,1-Trichloroethane	ug/Kg	12 U	NS	NS	NS	NS	NS	NS	NS	NS	12 U	NS
Carbon Tetrachloride	ug/Kg	12 U	NS	NS	NS	NS	NS	NS	NS	NS	12 U	NS
Bromodichloromethane	ug/Kg	12 U	NS	NS	NS	NS	NS	NS	NS	NS	12 U	NS
1,2-Dichloropropane	ug/Kg	12 U	NS	NS	NS	NS	NS	NS	NS	NS	12 U	NS
cis-1,3-Dichloropropene	ug/Kg	12 U	NS	NS	NS	NS	NS	NS	NS	NS	12 U	NS
Trichloroethene	ug/Kg	12 U	NS	NS	NS	NS	NS	NS	NS	NS	12 U	NS
Dibromochloromethane	ug/Kg	12 U	NS	NS	NS	NS	NS	NS	NS	NS	12 U	NS
Benzene	ug/Kg	12 U	NS	NS	NS	NS	NS	NS	NS	NS	12 U	NS
trans-1,3-Dichloropropene	ug/Kg	12 U	NS	NS	NS	NS	NS	NS	NS	NS	12 U	NS
Bromochloromethane	ug/Kg	12 U	NS	NS	NS	NS	NS	NS	NS	NS	12 U	NS
1-Methyl-2-Pentanone	ug/Kg	12 U	NS	NS	NS	NS	NS	NS	NS	NS	12 U	NS
2-Hexanone	ug/Kg	12 U	NS	NS	NS	NS	NS	NS	NS	NS	12 U	NS
Tetrachloroethene	ug/Kg	12 U	NS	NS	NS	NS	NS	NS	NS	NS	12 U	NS
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	NS	NS	NS	NS	NS	NS	NS	NS	12 U	NS
Toluene	ug/Kg	12 U	NS	NS	NS	NS	NS	NS	NS	NS	12 U	NS
Chlorobenzene	ug/Kg	12 U	NS	NS	NS	NS	NS	NS	NS	NS	12 U	NS
Ethylbenzene	ug/Kg	12 U	NS	NS	NS	NS	NS	NS	NS	NS	12 U	NS
Styrene	ug/Kg	12 U	NS	NS	NS	NS	NS	NS	NS	NS	12 U	NS
Xylene (total)	ug/Kg	12 U	NS	NS	NS	NS	NS	NS	NS	NS	12 U	NS
MTBE	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES												
2,4-D	ug/Kg	55 U	NS	NS	NS	NS	NS	NS	NS	NS	58 U	NS
2,4-DB	ug/Kg	55 U	NS	NS	NS	NS	NS	NS	NS	NS	58 U	NS
2,4,5-T	ug/Kg	5.5 U	NS	NS	NS	NS	NS	NS	NS	NS	5.8 U	NS
2,4,5-TP (Silvex)	ug/Kg	5.5 U	NS	NS	NS	NS	NS	NS	NS	NS	5.8 U	NS
Dalapon	ug/Kg	140 U	NS	NS	NS	NS	NS	NS	NS	NS	140 U	NS
Dicamba	ug/Kg	5.5 U	NS	NS	NS	NS	NS	NS	NS	NS	5.8 U	NS
Dichloroprop	ug/Kg	55 U	NS	NS	NS	NS	NS	NS	NS	NS	58 U	NS
Dinoseb	ug/Kg	28 U	NS	NS	NS	NS	NS	NS	NS	NS	29 U	NS
MCPA	ug/Kg	5500 U	NS	NS	NS	NS	NS	NS	NS	NS	5600 U	NS
MCPP	ug/Kg	5500 U	NS	NS	NS	NS	NS	NS	NS	NS	5600 U	NS
NITROAROMATICS												
HMX	ug/Kg	130 U	NS	NS	NS	NS	NS	NS	NS	NS	130 U	NS
RDX	ug/Kg	130 U	NS	NS	NS	NS	NS	NS	NS	NS	130 U	NS
1,3,5-Trinitrobenzene	ug/Kg	130 U	NS	NS	NS	NS	NS	NS	NS	NS	130 U	NS
1,3-Dinitrobenzene	ug/Kg	130 U	NS	NS	NS	NS	NS	NS	NS	NS	130 U	NS
Tetryl	ug/Kg	130 U	NS	NS	NS	NS	NS	NS	NS	NS	130 U	NS
2,4,6-Trinitroethane	ug/Kg	130 U	NS	NS	NS	NS	NS	NS	NS	NS	130 U	NS
4-amino-2,6-Dinitrotoluene	ug/Kg	130 U	NS	NS	NS	NS	NS	NS	NS	NS	130 U	NS
2-amino-4,6-Dinitrotoluene	ug/Kg	130 U	NS	NS	NS	NS	NS	NS	NS	NS	130 U	NS
2,6-Dinitrotoluene	ug/Kg	130 U	NS	NS	NS	NS	NS	NS	NS	NS	130 U	NS
2,4-Dinitrotoluene	ug/Kg	130 U	NS	NS	NS	NS	NS	NS	NS	NS	130 U	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 4-6 12/05/93 SB4-7.3 206152	SOIL SEAD-4 4-6 12/05/93 SB4-7.4 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
SEMIVOLATILE ORGANICS								
Phend	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
bis(2-Chloroethyl) ether	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
2-Chlorophenol	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
1,3-Dichlorobenzene	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
1,4-Dichlorobenzene	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
2-Dichlorobenzene	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
2-Methylphenol	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
2,2'-oxybis(1-Chloropropane)	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
4-Methylphenol	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
N-Nitroso-di-n-propylamine	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
Hexachloroethane	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
Nitrobenzene	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
Isophorone	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
2-Nitrophenol	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
2,4-Dimethylphenol	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
bis(2-Chloroethoxy) methane	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
2,4-Dichlorophenol	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
1,2,4-Trichlorobenzene	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
Naphthalene	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
4-Chloroaniline	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
Hexachlorobutadiene	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
4-Chloro-3-methylphenol	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
2-Methylnaphthalene	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
Hexachlorocyclopentadiene	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
2,4,6-Trichlorophenol	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
2,4,5-Trichlorophenol	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
2-Chloronaphthalene	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
2-Nitroaniline	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
Dimethylphthalate	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
Acetylphenylene	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
2,6-Dinitrotoluene	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
3-Nitroaniline	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
Acenaphthene	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
2,4-Dinitrophenol	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
4-Nitrophenol	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
Dibenzofuran	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
2,4-Dinitrotoluene	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
Diethylphthalate	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
4-Chlorophenyl-phenylether	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
Fluorene	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
4-Nitroaniline	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
4,6-Dinitro-2-methylphenol	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
N-Nitrosodiphenylamine	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
4-Bromophenyl-phenylether	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
Hexachlorobenzene	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
Pentachlorophenol	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
Phenanthrene	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
Anthracene	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
Carbazole	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
Di-n-butylphthalate	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
Fluoranthene	22J	R	360 U	350 U	380 U	380 U	380 U	380 U
Pyrene	19J	R	360 U	350 U	380 U	380 U	380 U	380 U
Bis(2-Ethylhexyl)phthalate	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
3,3-Dichlorobenzidine	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
Benzolanthracene	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
Chrysene	20J	R	360 U	350 U	380 U	380 U	380 U	380 U
bis(2-Ethylhexyl)phthalate	19J	R	360 U	350 U	380 U	380 U	380 U	380 U
Di-n-octylphthalate	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
Benzofluoranthene	20J	R	360 U	350 U	380 U	380 U	380 U	380 U
Benzokjfluoranthene	19J	R	360 U	350 U	380 U	380 U	380 U	380 U
Benzolpyrene	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
Indeno(1,2,3-c)pyrene	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
Dibenz(ghi)perylene	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U
Benz(ghi)perylene	370 U	380 U	360 U	350 U	380 U	380 U	380 U	380 U

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 0-2 12/05/93 SB4-7.1 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 SB4-7.4RE 206153	SOIL SEAD-4 0-2 12/05/93 SB4-8.1 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	1.9 U	NS	1.8 U	2 U	1.9 U	NS
beta-BHC	ug/Kg	1.9 U	1.9 U	NS	1.8 U	2 U	1.9 U	NS
delta-BHC	ug/Kg	1.9 U	1.9 U	NS	1.8 U	2 U	1.9 U	NS
gamma-BHC (lindane)	ug/Kg	1.9 U	1.9 U	NS	1.8 U	2 U	1.9 U	NS
Heptachlor	ug/Kg	1.9 U	1.9 U	NS	1.8 U	2 U	1.9 U	NS
Aldrin	ug/Kg	1.9 U	1.9 U	NS	1.8 U	2 U	1.9 U	NS
Heptachlor epoxide	ug/Kg	1.9 U	1.9 U	NS	1.8 U	2 U	1.9 U	NS
Endosulfan I	ug/Kg	3.6 U	3.7 U	NS	3.5 U	3.8 U	3.8 U	NS
Endosulfan II	ug/Kg	3.6 U	3.7 U	NS	3.5 U	3.8 U	3.8 U	NS
4,4'-DDE	ug/Kg	3.6 U	3.7 U	NS	3.5 U	3.8 U	3.8 U	NS
Endosulfan II	ug/Kg	3.6 U	3.7 U	NS	3.5 U	3.8 U	3.8 U	NS
4,4'-DDD	ug/Kg	3.6 U	3.7 U	NS	3.5 U	3.8 U	3.8 U	NS
Endosulfan sulfate	ug/Kg	3.6 U	3.7 U	NS	3.5 U	3.8 U	3.8 U	NS
4,4'-DDT	ug/Kg	3.6 U	3.7 U	NS	3.5 U	3.8 U	3.8 U	NS
Methoxychlor	ug/Kg	1.9 U	1.9 U	NS	1.8 U	2 U	1.9 U	NS
Endrin ketone	ug/Kg	3.6 U	3.7 U	NS	3.5 U	3.8 U	3.8 U	NS
Endrin aldehyde	ug/Kg	3.6 U	3.7 U	NS	3.5 U	3.8 U	3.8 U	NS
alpha-Chlordane	ug/Kg	1.9 U	1.9 U	NS	1.8 U	2 U	1.9 U	NS
gamma-Chlordane	ug/Kg	1.9 U	1.9 U	NS	1.8 U	2 U	1.9 U	NS
Toxaphene	ug/Kg	190 U	190 U	NS	180 U	200 U	190 U	NS
Aroclor-1016	ug/Kg	36 U	37 U	NS	35 U	38 U	38 U	NS
Aroclor-1221	ug/Kg	73 U	76 U	NS	72 U	77 U	77 U	NS
Aroclor-1232	ug/Kg	36 U	37 U	NS	35 U	38 U	38 U	NS
Aroclor-1242	ug/Kg	36 U	37 U	NS	35 U	38 U	38 U	NS
Aroclor-1248	ug/Kg	36 U	37 U	NS	35 U	38 U	38 U	NS
Aroclor-1254	ug/Kg	36 U	37 U	NS	35 U	38 U	38 U	NS
Aroclor-1260	ug/Kg	36 U	37 U	NS	35 U	38 U	38 U	NS
METALS								
Aluminum	mg/Kg	11400	NS	NS	8410	13300	16700	NS
Antimony	mg/Kg	6.4 J	NS	NS	2.7 UJ	4.2 UJ	NS	NS
Arsenic	mg/Kg	5.1	NS	NS	5.7	5.6	5.1	NS
Barium	mg/Kg	61.5	NS	NS	45.4	69.4	116	NS
Beryllium	mg/Kg	0.82 J	NS	NS	0.38 J	0.65	0.72 J	NS
Cadmium	mg/Kg	0.39 U	NS	NS	0.29 U	0.27 J	0.41 U	NS
Calcium	mg/Kg	38600	NS	NS	87500	25200	9320	NS
Chromium	mg/Kg	25.4	NS	NS	14	21.4	24.9	NS
Cobalt	mg/Kg	12.7	NS	NS	8.3	11.7	15.3	NS
Copper	mg/Kg	27.5 J	NS	NS	19.0 J	25.6 J	21.6 J	NS
Iron	mg/Kg	29400	NS	NS	19100	25900	29700	NS
Lead	mg/Kg	16.6 J	NS	NS	16.6 J	19.7 J	10.3 J	NS
Magnesium	mg/Kg	6650	NS	NS	11900	6380	5870	NS
Manganese	mg/Kg	622	NS	NS	383	418	1240	NS
Mercury	mg/Kg	0.03 J	NS	NS	0.03 U	0.03 J	0.03 J	NS
Nickel	mg/Kg	40.2	NS	NS	22.3	31.7	37.3	NS
Potassium	mg/Kg	1420	NS	NS	1030	1470	2090	NS
Selenium	mg/Kg	0.36 J	NS	NS	0.1 UJ	0.42 J	0.53 J	NS
Silver	mg/Kg	0.79 U	NS	NS	0.57 U	0.52 U	0.82 U	NS
Sodium	mg/Kg	100 J	NS	NS	133 J	64.4 J	53.3 J	NS
Thallium	mg/Kg	0.13 U	NS	NS	0.17 U	0.19 U	0.26 U	NS
Vanadium	mg/Kg	23.4	NS	NS	13	22	28.7	NS
Zinc	mg/Kg	93.2	NS	NS	84	71.7	73.9	NS
Cyanide	mg/Kg	0.5 U	NS	NS	0.51 U	0.57 U	0.58 U	NS
OTHER ANALYSES								
Nitrate/Nitrite-Nitrogen	mg/Kg	0.16	NS	NS	0.01	1	0.36	NS
Total Solids	%W/W	89.9	NS	NS	91.9	85.8	85.6	NS
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
EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

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

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

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-4 4-6 12/05/93 SBA-8.3 206156	SOIL SEAD-4 0-2 12/05/93 SBA-9.1 206157	SOIL SEAD-4 2-4 12/05/93 SBA-9.2 206158	SOIL SEAD-4 4-6 12/05/93 SBA-9.3 206159	SOIL SEAD-4 0-2 12/05/93 SBA-10.1 206272	SOIL SEAD-4 2-4 12/05/93 SBA-10.2 206273
SEMIVOLATILE ORGANICS							
Phend	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
bis(2-Chloroethyl) ether	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
2-Chlorophend	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
1,3-Dichlorobenzene	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
1,4-Dichlorobenzene	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
1,2-Dichlorobenzene	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
2-Methylphenol	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
4-Methylphenol	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
N-Nitroso-d-n-propylamine	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
Hexachloroethane	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
Nitrobenzene	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
Isophorone	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
2-Nitrophenol	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
2,4-Dimethylphenol	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
bis(2-Chloroethoxy) methane	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
2,4-Dichlorophenol	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
1,2,4-Trichlorobenzene	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
Naphthalene	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
4-Chloroaniline	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
Hexachlorobutadiene	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
4-Chloro-3-methylphenol	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
2-Methylnaphthalene	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
Hexachlorocyclopentadiene	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
2,4,6-Trichlorophenol	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
2-Chloronaphthalene	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
2-Nitroaniline	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
Dimethylphthalate	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
Acenaphthylene	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
2,6-Dinitrotoluene	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
3-Nitroaniline	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
Acenaphthene	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
2,4-Dinitrophenol	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
4-Nitrophenol	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
Dibenzofuran	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
2,4-Dinitrotoluene	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
Diethylphthalate	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
4-Chlorophenyl-phenylether	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
Fluorene	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
4-Nitroaniline	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
4,6-Dinitro-2-methylphenol	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
N-Nitrosodiphenylamine	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
4-Bromophenyl-phenylether	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
Hexachlorobenzene	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
Pentachlorophend	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
Phenanthrene	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
Anthracene	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
Carbazole	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
Di-n-butylphthalate	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
Fluoranthene	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
Pyrene	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
Benzobenzophthalate	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
3,3-Dichlorobenzidine	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
Benzofluoranthene	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
Benzokjfluoranthene	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
Benzofluoranthene	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
Indeno(1,2,3-c)pyrene	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
Dibenz(1,2,3-h)anthracene	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U
Benzofluoranthene	ug/Kg	360 U	390 U	400 U	350 U	390 U	350 U

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 206156	SOIL SEAD-4 0-2 12/05/93 SB4-9.1 206157	SOIL SEAD-4 2-4 12/05/93 SB4-9.2 206158	SOIL SEAD-4 4-6 12/05/93 SB4-9.3 206159	SOIL SEAD-4 0-2 12/05/93 SB4-10.1 206272	SOIL SEAD-4 2-4 12/06/93 SB4-10.2 206273
PESTICIDES/PCB							
alpha-BHC	ug/Kg	1.9 U	2 U	2.1 U	1.8 U	2 U	1.8 U
beta-BHC	ug/Kg	1.9 U	2 U	2.1 U	1.8 U	2 U	1.8 U
delta-BHC	ug/Kg	1.9 U	2 U	2.1 U	1.8 U	2 U	1.8 U
gamma-BHC (Lindane)	ug/Kg	1.9 U	2 U	2.1 U	1.8 U	2 U	1.8 U
Heptachlor	ug/Kg	1.9 U	2 U	2.1 U	1.8 U	2 U	1.8 U
Aldrin	ug/Kg	1.9 U	2 U	2.1 U	1.8 U	2 U	1.8 U
Heptachlor epoxide	ug/Kg	1.9 U	2 U	2.1 U	1.8 U	2 U	1.8 U
Endosulfan I	ug/Kg	3.9 U	3.9 U	4 U	3.5 U	3.9 U	3.5 U
Endosulfan II	ug/Kg	3.6 U	3.6 U	4 U	3.5 U	3.9 U	3.5 U
4,4'-DDE	ug/Kg	3.6 U	3.6 U	4 U	3.5 U	3.9 U	3.5 U
Endosulfan II	ug/Kg	3.6 U	3.6 U	4 U	3.5 U	3.9 U	3.5 U
4,4'-DDD	ug/Kg	3.6 U	3.6 U	4 U	3.5 U	3.9 U	3.5 U
Endosulfan sulfate	ug/Kg	3.6 U	3.6 U	4 U	3.5 U	3.9 U	3.5 U
4,4'-DDT	ug/Kg	19 U	20 U	21 U	18 U	20 U	18 U
Methoxychlor	ug/Kg	3.6 U	3.9 U	4 U	3.5 U	3.9 U	3.5 U
Endrin ketone	ug/Kg	1.9 U	2 U	2.1 U	1.8 U	2 U	1.8 U
Endrin aldehyde	ug/Kg	1.9 U	2 U	2.1 U	1.8 U	2 U	1.8 U
alpha-Chloroane	ug/Kg	1.9 U	2 U	2.1 U	1.8 U	2 U	1.8 U
gamma-Chloroane	ug/Kg	1.9 U	2 U	2.1 U	1.8 U	2 U	1.8 U
Toxaphene	ug/Kg	190 U	200 U	210 U	180 U	200 U	180 U
Aroclor-1016	ug/Kg	74 U	82 U	82 U	71 U	79 U	72 U
Aroclor-1221	ug/Kg	36 U	39 U	40 U	35 U	39 U	35 U
Aroclor-1232	ug/Kg	36 U	39 U	40 U	35 U	39 U	35 U
Aroclor-1242	ug/Kg	36 U	39 U	40 U	35 U	39 U	35 U
Aroclor-1248	ug/Kg	36 U	39 U	40 U	35 U	39 U	35 U
Aroclor-1254	ug/Kg	36 U	39 U	40 U	35 U	39 U	35 U
Aroclor-1260	ug/Kg	36 U	39 U	40 U	35 U	39 U	35 U
METALS							
Aluminum	mg/Kg	9180	12800	20400	15600	15600	17000
Antimony	mg/Kg	2.5 UJ	3.7 J	4.1 UJ	4.7 UJ	4.7 UJ	43.8 U
Arsenic	mg/Kg	4.9	4.5	6.5	4.6	6.5	5.8
Barium	mg/Kg	63.5	94.1	102	51.3	126	58.4
Beryllium	mg/Kg	0.37 J	0.75 J	0.97	0.69 J	0.82 J	0.87 J
Cadmium	mg/Kg	0.24 U	0.35 U	0.4 U	0.32 U	0.46 U	0.37 U
Calcium	mg/Kg	77000	3660	2770	2350	3250	6540
Chromium	mg/Kg	14.1	17.6	33.2	23.3	178	2560
Cobalt	mg/Kg	7.9	9	17.3	14.8	19.5	18.7
Copper	mg/Kg	21.1 J	13.1 J	24.9 J	11 J	28	1790
Iron	mg/Kg	18500	20600	39000	29600	34700	37200
Lead	mg/Kg	44.2	26.4 J	122.2 J	6.3 J	12.8 J	9 J
Magnesium	mg/Kg	17700	3090	7870	5860	5870	7870
Mercury	mg/Kg	420	0.01 U	0.03 U	0.02 U	0.06 J	0.03 J
Nickel	mg/Kg	23.1	18.3	57.1	42.2	51.3	56
Potassium	mg/Kg	1380	1020	1800	980	1170	1090
Selenium	mg/Kg	0.22 J	0.47 J	0.47 J	0.11 J	0.23 J	0.31 J
Silver	mg/Kg	0.48 U	0.7 U	0.79 U	0.63 U	0.91 U	0.73 U
Sodium	mg/Kg	134 U	49.1 U	44.1 U	39.3 J	42.9 J	55.7 J
Strontium	mg/Kg	0.14 U	0.23 U	0.21 U	0.17 U	0.27 U	0.14 U
Tantalum	mg/Kg	14.8	22.6	28.4	17.8	26.9	24.6
Vanadium	mg/Kg	56.5	56.6	93.6	80.5	89.8	57.6
Zinc	mg/Kg	0.52 U	0.56 U	0.59 U	0.5 U	0.57 U	0.45 U
Cyanide	mg/Kg						
OTHER ANALYSES							
Nitrate/Nitrite-Nitrogen	mg/Kg	0.04	0.66	0.44	0.02	0.13	0.03
Total Solids	%W/W	89.1	83.9	81.6	92.9	84.6	93.1
Total Petroleum Hydrocarbons	mg/Kg	NS	NS	NS	NS	NS	NS
Fluoride	mg/Kg	NS	NS	NS	NS	NS	NS
pH	standard units	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 4-6 12/06/93 SB4-10.3 206274	SOIL SEAD-4 3 11/10/93 TP4-2 204023-204025	SOIL SEAD-4 3 11/10/93 TP4-1 204020-204022	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									
Chloroethane	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Bromoethane	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Vinyl Chloride	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Chloroethane	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Methylene Chloride	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Acetone	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Carbon Disulfide	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
1,1-Dichloroethane	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
1,1-Dichloroethane	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
1,2-Dichloroethane (total)	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Chloroform	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
1,2-Dichloroethane	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
2-Butanone	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
1,1,1-Trichloroethane	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Carbon Tetrachloride	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Bromodichloromethane	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
1,2-Dichloropropane	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
cis-1,3-Dichloropropene	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Trichloroethene	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Dibromochloromethane	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
1,1,2-Trichloroethane	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Benzene	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
trans-1,3-Dichloropropene	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Bromoform	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
4-Methyl-2-Pentanone	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
2-Hexanone	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Tetrachloroethene	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
1,1,2,2-Tetrachloroethane	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Toluene	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Chlorobenzene	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Ethylbenzene	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Styrene	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
Xylene (total)	11 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
MTBE	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES									
2,4-D	54 U	56 U	57 U	59 U	59 U	58 U	55 U	58 U	60 U
2,4-DB	54 U	56 U	57 U	59 U	59 U	58 U	55 U	58 U	60 U
2,4,5-T	5.4 U	5.6 U	5.7 U	5.9 U	5.9 U	5.8 U	5.5 U	5.8 U	6 U
2,4,5-TP (Silvex)	5.4 U	5.6 U	5.7 U	5.9 U	5.9 U	5.8 U	5.5 U	5.8 U	6 U
Dalapon	130 U	140 U	140 U	140 U	140 U	140 U	140 U	140 U	150 U
Dicamba	5.4 U	5.6 U	5.7 U	5.9 U	5.9 U	5.8 U	5.5 U	5.8 U	6 U
Dicloroprop	54 U	56 U	57 U	59 U	59 U	58 U	55 U	58 U	60 U
Dinoseb	27 U	28 U	29 U	30 U	30 U	29 U	28 U	29 U	30 U
MCPA	5400 U	5700 U	5700 U	5900 U	5900 U	5800 U	5500 U	5800 U	6000 U
MCPP	5400 U	5700 U	5700 U	5900 U	5900 U	5800 U	5500 U	5800 U	6000 U
NITROAROMATICS									
HMX	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
RDIX	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
1,3,5-Trinitrobenzene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
1,3-Dinitrobenzene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
Tetryl	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,4,6-Trinitrotoluene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
4-amino-2,6-Dinitrotoluene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2-amino-4,6-Dinitrotoluene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,6-Dinitrotoluene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,4-Dinitrotoluene	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

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-4	SOIL SEAD-4	SOIL SEAD-4	SOIL SEAD-4	SOIL SEAD-4	SOIL SEAD-4	SOIL SEAD-4
	ES/D	12/05/93	12/05/93	12/05/93	12/05/93	12/05/93	12/05/93	12/05/93
	LAB ID	SB4-10.3	TP4-1	TP4-3	TP4-4	TP4-5	TP4-6	TP4-7
	UNITS	206274	204020-204022	206190	206191	206192	206276	206193
SEMIVOLATILE ORGANICS								
Phend	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
bis(2-Chloroethyl) ether	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
2-Chlorophend	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
1,3-Dichlorobenzene	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
1,4-Dichlorobenzene	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
1,2-Dichlorobenzene	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
2-Methylphend	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
2,2-oxybis(1-Chloropropane)	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
4-Methylphend	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
N-Nitroso-d-n-propylamine	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
Hexachloroethane	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
Nitrobenzene	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
Isophorone	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
2-Nitrophenol	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
2,4-Dimethylphend	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
bis(2-Chloroethoxy) methane	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
2,4-Dichlorophenol	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
1,2,4-Trichlorobenzene	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
Naphthalene	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
4-Chloroaniline	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
Hexachlorobutadiene	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
4-Chloro-3-methylphenol	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
2-Methylnaphthalene	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
Hexachlorocyclopentadiene	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
2,4,6-Trichlorophenol	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
2-Chloronaphthalene	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
2-Nitroaniline	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
Dimethylphthalate	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
Acenaphthylene	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
2,6-Dinitrotoluene	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
3-Nitroaniline	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
Acenaphthene	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
2,4-Dinitrophenol	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
4-Nitrophenol	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
Dibenzofuran	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
2,4-Dinitrotoluene	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
Diethylphthalate	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
4-Chlorophenyl-phenylether	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
Fluorene	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
4-Nitroaniline	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
4,6-Dinitro-2-methylphenol	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
N-Nitrosodiphenylamine	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
4-Bromophenyl-phenylether	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
Hexachlorobenzene	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
Pentachlorophend	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
Phenanthrene	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
Anthracene	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
Carbazole	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
Di-n-butylphthalate	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
Fluoranthene	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
Pyrene	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
Butylbenzophthalate	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
3,3'-Dichlorobenzidine	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
Benzofluoranthracene	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
Chrysene	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
bis(2-Ethylhexyl)phthalate	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
Di-n-octylphthalate	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
Benzofluoranthrene	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
Benzokjfluoranthene	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
Benzofluoranthene	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
Indeno(1,2,3-cd)pyrene	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
Dibenz(a,h)anthracene	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U
Benzofluoranthene	ug/Kg	370 U	370 U	380 U	380 U	380 U	370 U	380 U

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

COMPOUND	MATRIX LOCATION SAMPLE DATE	WATER SEAD-4 01/21/94 MW4-1 209252	WATER SEAD-4 02/04/94 MW4-2 210478	WATER SEAD-4 01/20/94 MW4-3 209091	WATER SEAD-4 02/01/94 MW4-4 210061	WATER SEAD-4 01/20/94 MW4-5 209092, 209943
VOLATILE ORGANICS						
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U
Bromodorm	ug/L	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U	10 U	10 U
MTBE	ug/L	NS	NS	NS	NS	NS
HERBICIDES						
2,4-D	ug/L	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U
2,4-DB	ug/L	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U
2,4,5-T	ug/L	0.11 U	0.12 U	0.11 U	0.11 U	0.12 U
2,4,5-TP (Silvex)	ug/L	0.11 U	0.12 U	0.11 U	0.11 U	0.12 U
Dalapon	ug/L	2.5 U	2.6 U	2.4 U	2.5 U	2.7 U
Dicamba	ug/L	0.11 U	0.12 U	0.11 U	0.11 U	0.12 U
Dichloroprop	ug/L	1.1 U	1.2 U	1.1 U	1.1 U	1.2 U
Dinoseb	ug/L	0.53 U	0.57 U	0.50 U	0.54 U	0.57 U
MCPA	ug/L	110 U	120 U	110 U	110 U	120 U
MCPP	ug/L	110 U	120 U	110 U	110 U	120 U
NITROAROMATICS						
HMX	ug/L	1.1 U	0.13 U	0.13 U	0.13 U	0.13 U
RDX	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,3,5-Trinitrobenzene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,3-Dinitrobenzene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Tetryl	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
2,4,6-Trinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
4-amino-2,6-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
2-amino-4,6-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
2,6-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
2,4-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U

NOTES:
NS stands for NOT SAMPLED

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

COMPOUND	MATRIX LOCATION SAMPLE DATE	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 02/01/94 MW4-4 210061	WATER SEAD-4 01/20/94 MW4-5 209092, 209843
	UNITS						
SEMIVOLATILE ORGANICS							
Phenol	ug/L	11 U	NS	10 U	NS	10 U	11 U
bis(2-Chloroethyl) ether	ug/L	11 U	NS	10 U	NS	10 U	11 U
2-Chlorophenol	ug/L	11 U	NS	10 U	NS	10 U	11 U
1,3-Dichlorobenzene	ug/L	11 U	NS	10 U	NS	10 U	11 U
1,4-Dichlorobenzene	ug/L	11 U	NS	10 U	NS	10 U	11 U
1,2-Dichlorobenzene	ug/L	11 U	NS	10 U	NS	10 U	11 U
2-Methylphenol	ug/L	11 U	NS	10 U	NS	10 U	11 U
2,2'-oxybis(1-Chloropropane)	ug/L	11 U	NS	10 U	NS	10 U	11 U
4-Methylphenol	ug/L	11 U	NS	10 U	NS	10 U	11 U
N-Nitroso-d-n-propylamine	ug/L	11 U	NS	10 U	NS	10 U	11 U
Hexachloroethane	ug/L	11 U	NS	10 U	NS	10 U	11 U
Nitrobenzene	ug/L	11 U	NS	10 U	NS	10 U	11 U
Isophorone	ug/L	11 U	NS	10 U	NS	10 U	11 U
2-Nitrophenol	ug/L	11 U	NS	10 U	NS	10 U	11 U
2,4-Dimethylphenol	ug/L	11 U	NS	10 U	NS	10 U	11 U
bis(2-Chloroethoxy) methane	ug/L	11 U	NS	10 U	NS	10 U	11 U
2,4-Dichlorophenol	ug/L	11 U	NS	10 U	NS	10 U	11 U
1,2,4-Trichlorobenzene	ug/L	11 U	NS	10 U	NS	10 U	11 U
Naphthalene	ug/L	11 U	NS	10 U	NS	10 U	11 U
4-Chloroaniline	ug/L	11 U	NS	10 U	NS	10 U	11 U
Hexachlorobutadiene	ug/L	11 U	NS	10 U	NS	10 U	11 U
4-Chloro-3-methylphenol	ug/L	11 U	NS	10 U	NS	10 U	11 U
2-Methylnaphthalene	ug/L	11 U	NS	10 U	NS	10 U	11 U
Hexachlorocyclopentadiene	ug/L	11 U	NS	10 U	NS	10 U	11 U
2,4,6-Trichlorophenol	ug/L	11 U	NS	10 U	NS	10 U	11 U
2,4,5-Trichlorophenol	ug/L	28 U	NS	26 U	NS	25 U	27 U
2-Chloronaphthalene	ug/L	11 U	NS	10 U	NS	10 U	11 U
2-Nitroaniline	ug/L	28 U	NS	26 U	NS	25 U	27 U
Dimethylphthalate	ug/L	11 U	NS	10 U	NS	10 U	11 U
Aceacetophenone	ug/L	11 U	NS	10 U	NS	10 U	11 U
2,6-Dinitrotoluene	ug/L	11 U	NS	10 U	NS	10 U	11 U
3-Nitroaniline	ug/L	28 U	NS	26 U	NS	25 U	27 U
Aceacetophenone	ug/L	11 U	NS	10 U	NS	10 U	11 U
2,4-Dinitrophenol	ug/L	28 U	NS	26 U	NS	25 U	27 U
4-Nitrophenol	ug/L	28 U	NS	26 U	NS	25 U	27 U
Dibenzofuran	ug/L	11 U	NS	10 U	NS	10 U	11 U
2,4-Dinitrotoluene	ug/L	11 U	NS	10 U	NS	10 U	11 U
Diethylphthalate	ug/L	0.9 J	NS	0.5 J	NS	0.6 J	0.6 J
4-Chlorophenyl-phenylether	ug/L	11 U	NS	10 U	NS	10 U	11 U
Fluorene	ug/L	11 U	NS	10 U	NS	10 U	11 U
4-Nitroaniline	ug/L	28 U	NS	26 U	NS	25 U	27 U
4,6-Dinitro-2-methylphenol	ug/L	28 U	NS	26 U	NS	25 U	27 U
N-Nitrosodiphenylamine	ug/L	11 U	NS	10 U	NS	10 U	11 U
4-Bromophenyl-phenylether	ug/L	11 U	NS	10 U	NS	10 U	11 U
Hexachlorobenzene	ug/L	11 U	NS	10 U	NS	10 U	11 U
Pentachlorophenol	ug/L	28 U	NS	26 U	NS	25 U	27 U
Phenanthrene	ug/L	11 U	NS	10 U	NS	10 U	11 U
Anthracene	ug/L	11 U	NS	10 U	NS	10 U	11 U
Carbazole	ug/L	11 U	NS	10 U	NS	10 U	11 U
Di-n-butylphthalate	ug/L	11 U	NS	10 U	NS	10 U	11 U
Fluoranthene	ug/L	11 U	NS	10 U	NS	10 U	11 U
Pyrene	ug/L	11 U	NS	10 U	NS	10 U	11 U
Buylbenzylphthalate	ug/L	11 U	NS	10 U	NS	10 U	11 U
3,3'-Dichlorobenzidine	ug/L	11 U	NS	10 U	NS	10 U	11 U
Benzo(a)anthracene	ug/L	11 U	NS	10 U	NS	10 U	11 U
Chrysene	ug/L	11 U	NS	10 U	NS	10 U	11 U
bis(2-Ethylhexyl)phthalate	ug/L	11 U	NS	10 U	NS	10 U	11 U
Di-n-octylphthalate	ug/L	11 U	NS	10 U	NS	10 U	11 U
Benzo(b)fluoranthene	ug/L	11 U	NS	10 U	NS	10 U	11 U
Benzo(k)fluoranthene	ug/L	11 U	NS	10 U	NS	10 U	11 U
Benzo(a)pyrene	ug/L	11 U	NS	10 U	NS	10 U	11 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	NS	10 U	NS	10 U	11 U
Dibenz(a,h)anthracene	ug/L	11 U	NS	10 U	NS	10 U	11 U
Benzo(g,h,i)perylene	ug/L	11 U	NS	10 U	NS	10 U	11 U

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

COMPOUND	MATRIX LOCATION SAMPLE DATE	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 02/01/94 MW4-4 210061	WATER SEAD-4 01/20/94 MW4-5 209092, 209943
	ES ID LAB ID UNITS						
PESTICIDES/PCB							
alpha-BHC	ug/L	0.054 U	NS	0.064 UJ	0.052 U	0.062 U	0.058 UJ
beta-BHC	ug/L	0.054 U	NS	0.064 UJ	0.052 U	0.062 U	0.058 UJ
delta-BHC	ug/L	0.054 U	NS	0.064 UJ	0.052 U	0.062 U	0.058 UJ
gamma-BHC (Lindane)	ug/L	0.054 U	NS	0.064 UJ	0.052 U	0.062 U	0.058 UJ
Heptachlor	ug/L	0.054 U	NS	0.064 UJ	0.052 U	0.062 U	0.058 UJ
Aldrin	ug/L	0.054 U	NS	0.064 UJ	0.052 U	0.062 U	0.058 UJ
Heptachlor epoxide	ug/L	0.054 U	NS	0.064 UJ	0.052 U	0.062 U	0.058 UJ
Endosulfan I	ug/L	0.054 U	NS	0.064 UJ	0.052 U	0.062 U	0.058 UJ
Dieldrin	ug/L	0.11 U	NS	0.13 UJ	0.1 U	0.062 U	0.058 UJ
4,4'-DDE	ug/L	0.11 U	NS	0.13 UJ	0.1 U	0.062 U	0.058 UJ
Endrin	ug/L	0.11 U	NS	0.13 UJ	0.1 U	0.062 U	0.058 UJ
Endosulfan II	ug/L	0.11 U	NS	0.13 UJ	0.1 U	0.062 U	0.058 UJ
4,4'-DDD	ug/L	0.11 U	NS	0.13 UJ	0.1 U	0.062 U	0.058 UJ
Endosulfan sulfate	ug/L	0.11 U	NS	0.13 UJ	0.1 U	0.062 U	0.058 UJ
4,4'-DDT	ug/L	0.11 U	NS	0.13 UJ	0.1 U	0.062 U	0.058 UJ
Methoxychlor	ug/L	0.54 U	NS	0.64 UJ	0.52 U	0.62 U	0.58 UJ
Endrin ketone	ug/L	0.11 U	NS	0.13 UJ	0.1 U	0.12 U	0.12 UJ
Endrin aldehyde	ug/L	0.11 U	NS	0.13 UJ	0.1 U	0.12 U	0.12 UJ
alpha-Chlordane	ug/L	0.054 U	NS	0.064 UJ	0.052 U	0.062 U	0.058 UJ
gamma-Chlordane	ug/L	0.054 U	NS	0.064 UJ	0.052 U	0.062 U	0.058 UJ
Toxaphene	ug/L	5.4 U	NS	6.4 UJ	5.2 U	6.2 U	5.8 UJ
Aroclor-1016	ug/L	1.1 U	NS	1.3 UJ	1 U	1.2 U	1.2 UJ
Aroclor-1221	ug/L	2.2 U	NS	2.5 UJ	2.1 U	2.5 U	2.3 UJ
Aroclor-1232	ug/L	1.1 U	NS	1.3 UJ	1 U	1.2 U	1.2 UJ
Aroclor-1242	ug/L	1.1 U	NS	1.3 UJ	1 U	1.2 U	1.2 UJ
Aroclor-1254	ug/L	1.1 U	NS	1.3 UJ	1 U	1.2 U	1.2 UJ
Aroclor-1260	ug/L	1.1 U	NS	1.3 UJ	1 U	1.2 U	1.2 UJ
METALS							
Aluminum	ug/L	41.9 U	NS	435	725	1240	108 J
Antimony	ug/L	21.6 U	NS	393 J R	21.4 U	338 J R	21.4 U
Arsenic	ug/L	2.2 J	NS	1.4 U	1 J	1.4 U	0.8 U
Barium	ug/L	19.6 J	NS	19.3 J	42.7 J	46.7 J	36.1 J
Beryllium	ug/L	0.4 U	NS	0.4 U	6.3	0.4 U	0.4 U
Cadmium	ug/L	2.1 U	NS	2.1 U	5.6	2.1 U	2.1 U
Calcium	ug/L	137000	NS	66300	122000	123000	147000
Chromium	ug/L	2.5 U	NS	2.6 U	6.9 J	21.3	2.6 U
Cobalt	ug/L	4.6 J	NS	4.4 U	8.2 J	4.4 U	5.2 J
Copper	ug/L	3.1 U	NS	3.1 U	6.6 J R	37.6 R	3.1 U
Iron	ug/L	332	NS	471	745	2270	143
Lead	ug/L	0.5 U	NS	1.9 J R	0.56 J	2.2 J R	0.5 U
Magnesium	ug/L	57600	NS	10100	32800	19100	31000
Manganese	ug/L	346	NS	60.5	229	263	477
Mercury	ug/L	0.04 U	NS	0.04 U	0.04 J R	0.04 U	0.04 J R
Nickel	ug/L	4 U	NS	4 U	4.4 J	6.4 J	4 U
Potassium	ug/L	7380	NS	1840 J	5250	4540 J	7320
Selenium	ug/L	2.1 J	NS	0.7 U	1.4 J	0.7 U	0.9 J
Silver	ug/L	4.2 U	NS	4.2 U	6.7 J	4.2 U	4.2 U
Sodium	ug/L	11700	NS	12400	31100	11200	14100
Thallium	ug/L	1.2 U	NS	1.2 U	1.2 U	1.2 U	1.2 U
Vanadium	ug/L	3.7 U	NS	3.7 U	7.7 J R	4.9 J	3.7 U
Zinc	ug/L	19.1 J R	NS	15.2 J R	17.7 J R	95	42.6
Cyanide	ug/L	5 U	NS	5 U	5 U	5 U	5 U
OTHER ANALYSES							
Nitrate/Nitrite - Nitrogen	mg/L	0.12	NS	0.23	0.25	0.11	0.07
Total Petroleum Hydrocarbons	mg/L	NS	NS	NS	NS	NS	NS
Fluoride	mg/L	7.2	NS	7.46	NS	7.76	7.57
pH	standard units	600	NS	228	550	400	480
Specific Conductivity	umhos/cm	3.1	NS	72.7	12.4	6.2	1.1
Turbidity	NTU						

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

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 SW4-10UP	WATER SEAD-4 11/02/93 SW4-2 203212	WATER SEAD-4 12/17/93 4PIPE 206099
COMPOUND				
VOLATILE ORGANICS				
Chloromethane	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U
Methylene Chloride	10 U	10 U	10 U	10 U
Acetone	10 U	10 U	10 U	10 U
Carbon Disulfide	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10 U	10 U	10 U	10 U
1,1-Dichloroethene	10 U	10 U	10 U	10 U
1,2-Dichloroethane (total)	10 U	10 U	10 U	10 U
Chloroform	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10 U	10 U	10 U	10 U
2-Butanone	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10 U	10 U	10 U	10 U
Bromodichloromethane	10 U	10 U	10 U	10 U
1,2-Dichloropropane	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	10 U	10 U	10 U	10 U
Trichloroethene	10 U	10 U	10 U	10 U
Dibromochloromethane	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10 U	10 U	10 U	10 U
Benzene	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	10 U	10 U	10 U	10 U
Bromoform	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U
Tetrachloroethene	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10 U	10 U	10 U	10 U
Toluene	10 U	10 U	10 U	10 U
Chlorobenzene	10 U	10 U	10 U	10 U
Ethylbenzene	10 U	10 U	10 U	10 U
Styrene	10 U	10 U	10 U	10 U
Xylene (total)	10 U	10 U	10 U	10 U
MTBE	NS	NS	NS	NS
HERBICIDES				
2,4-D	1.1 U	1.1 U	1.1 U	1.1 U
2,4-DB	1.1 U	1.1 U	1.1 U	1.1 U
2,4,5-T	0.11 U	0.11 U	0.11 U	0.11 U
2,4,5-TP (Silvex)	0.11 U	0.11 U	0.11 U	0.11 U
Dalapon	2.5 U	2.5 U	2.5 U	2.4 U
Dicamba	0.11 U	0.11 U	0.11 U	0.11 U
Dichloroprop	1.1 U	1.1 U	1.1 U	1.1 U
Dinoseb	0.54 U	0.53 U	0.52 U	0.52 U
MCPA	110 U	110 U	110 U	110 U
MCPP	110 U	110 U	110 U	110 U
NITROAROMATICS				
HMX	0.13 UJ	0.13 U	0.13 U	0.13 U
RDX	0.13 UJ	0.13 U	0.13 U	0.13 U
1,3,5-Trinitrobenzene	0.13 UJ	0.13 U	0.13 U	0.13 U
1,3-Dinitrobenzene	0.13 UJ	0.13 U	0.13 U	0.07 J
Tetryl	0.13 UJ	0.13 U	0.13 U	0.13 U
2,4,6-Trinitrotoluene	0.13 UJ	0.13 U	0.13 U	0.13 U
4-amino-2,6-Dinitrotoluene	0.13 UJ	0.13 U	0.13 U	0.13 U
2-amino-4,6-Dinitrotoluene	0.13 UJ	0.13 U	0.13 U	0.13 U
2,6-Dinitrotoluene	0.13 UJ	0.13 U	0.13 U	0.13 U
2,4-Dinitrotoluene	0.13 UJ	0.13 U	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 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 206699
SEMIVOLATILE ORGANICS				
Phenol	10 U	10 U	10 U	10 U
bis(2-Chloroethyl) ether	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U
2-Methylphenol	10 U	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	10 U	10 U	10 U	10 U
4-Methylphenol	10 U	10 U	10 U	10 U
N-Nitroso-d-n-propylamine	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U
2-Nitrophenol	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy) methane	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U
4-Chloraniline	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	26 U	26 U	26 U	25 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U
2-Nitroaniline	26 U	26 U	26 U	25 U
Dimethylphthalate	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U
3-Nitroaniline	26 U	26 U	26 U	25 U
Acenaphthene	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	26 U	26 U	26 U	25 U
4-Nitrophenol	26 U	26 U	26 U	25 U
Dibenzofuran	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U
4-Nitroaniline	25 U	25 U	25 U	25 U
4,6-Dinitro-2-methylphenol	25 U	25 U	25 U	25 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U
Pentachlorophenol	25 U	26 U	26 U	25 U
Phenanthrene	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U
Butylbenzylphthalate	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	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	0.1 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-1246	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 UJ	10.7 J	3.1	5.7
Magnesium	ug/L	10500	10700	10800	21100
Manganese	ug/L	28.1	25	45.6	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	1630 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 UJ	6.6 UJ	6.6 UJ	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
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-11 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID UNITS	SOIL SEAD-11 0-2 SB11-3.1 203222	SOIL SEAD-11 0-2 SB11-3.1RE 203222	SOIL SEAD-11 2-4 SB11-3.2RE 203223	SOIL SEAD-11 10-12 SB11-3.6 203224	SOIL SEAD-11 10-12 SB11-3.6RE 203224	SOIL SEAD-11 0-0.8 TP11-1.1 205264	SOIL SEAD-11 3.3 TP11-1.2 205265	SOIL SEAD-11 4.2 TP11-1.3 205266	SOIL SEAD-11 0-0.7 TP11-2.1 205111
VOLATILE ORGANICS									
Chloromethane	12 U	NS	NS	11 U	NS	22 U	61 U	22 U	22 U
Bromomethane	12 U	NS	NS	11 U	NS	22 U	61 U	22 U	22 U
Vinyl Chloride	12 U	NS	NS	11 U	NS	22 U	61 U	22 U	22 U
Chloroethane	12 U	NS	NS	11 U	NS	22 U	61 U	22 U	22 U
Methylene Chloride	12 U	NS	NS	11 U	NS	22 U	61 U	22 U	22 U
Acetone	12 U	NS	NS	11 U	NS	22 U	61 U	22 U	22 U
Carbon Disulfide	12 U	NS	NS	11 U	NS	22 U	61 U	22 U	22 U
1,1-Dichloroethane	12 U	NS	NS	11 U	NS	22 U	61 U	22 U	22 U
1,1-Dichloroethane	12 U	NS	NS	11 U	NS	22 U	61 U	22 U	22 U
1,2-Dichloroethane (total)	12 U	NS	NS	11 U	NS	22 U	61 U	22 U	22 U
1,2-Dichloroethane	12 U	NS	NS	11 U	NS	22 U	61 U	22 U	22 U
2-Butanone	12 U	NS	NS	11 U	NS	22 U	61 U	22 U	22 U
1,1,1-Trichloroethane	12 U	NS	NS	11 U	NS	22 U	61 U	22 U	22 U
Carbon Tetrachloride	12 U	NS	NS	11 U	NS	22 U	61 U	22 U	22 U
Bromochloromethane	12 U	NS	NS	11 U	NS	22 U	61 U	22 U	22 U
1,2-Dichloropropane	12 U	NS	NS	11 U	NS	22 U	61 U	22 U	22 U
cis-1,3-Dichloropropene	12 U	NS	NS	11 U	NS	22 U	61 U	22 U	22 U
Trichloroethene	12 U	NS	NS	11 U	NS	22 U	61 U	22 U	22 U
Dibromochloromethane	12 U	NS	NS	11 U	NS	22 U	61 U	22 U	22 U
1,1,2-Trichloroethane	12 U	NS	NS	11 U	NS	22 U	61 U	22 U	22 U
Benzene	12 U	NS	NS	11 U	NS	22 U	61 U	22 U	22 U
trans-1,3-Dichloropropene	12 U	NS	NS	11 U	NS	22 U	61 U	22 U	22 U
Bromolorm	12 U	NS	NS	11 U	NS	22 U	61 U	22 U	22 U
2-Methyl-2-Pentane	12 U	NS	NS	11 U	NS	22 U	61 U	22 U	22 U
Hexanone	12 U	NS	NS	11 U	NS	22 U	61 U	22 U	22 U
Tetrachloroethene	12 U	NS	NS	11 U	NS	22 U	61 U	22 U	22 U
1,1,2,2-Tetrachloroethane	12 U	NS	NS	11 U	NS	22 U	61 U	22 U	22 U
Toluene	12 U	NS	NS	11 U	NS	22 U	61 U	22 U	22 U
Chlorobenzene	12 U	NS	NS	11 U	NS	22 U	61 U	22 U	22 U
Ethylbenzene	12 U	NS	NS	11 U	NS	22 U	61 U	22 U	22 U
Styrene	12 U	NS	NS	11 U	NS	22 U	61 U	22 U	22 U
Xylene (total)	12 U	NS	NS	11 U	NS	22 U	61 U	22 U	22 U
MTBE	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES									
2,4-D	62 U	NS	NS	54 U	NS	58 U	60 U	60 U	61 U
2,4-DB	62 U	NS	NS	54 U	NS	75 U	60 U	60 U	61 U
2,4,5-T	62 U	NS	NS	54 U	NS	58 U	6 U	6 U	6.1 U
2,4,5-TP (Sivex)	150 U	NS	NS	130 U	NS	140 U	150 U	150 U	150 U
Dalapon	62 U	NS	NS	54 U	NS	58 U	6 U	6 U	6.1 U
Dicamba	62 U	NS	NS	54 U	NS	58 U	60 U	60 U	61 U
Dichloroprop	31 U	NS	NS	27 U	NS	29 U	30 U	30 U	31 U
Dinoseb	6200 U	NS	NS	5400 U	NS	5600 U	6000 U	6000 U	6100 U
MCPA	6200 U	NS	NS	5400 U	NS	5600 U	6000 U	6000 U	6100 U
MCPP	6200 U	NS	NS	5400 U	NS	5600 U	6000 U	6000 U	6100 U
NITROAROMATICS									
HMX	130 U	NS	NS	130 U	NS	130 U	130 U	130 U	130 U
RDX	130 U	NS	NS	130 U	NS	130 U	130 U	130 U	130 U
1,3,5-Trinitrobenzene	130 U	NS	NS	130 U	NS	130 U	130 U	130 U	130 U
1,3-Dinitrobenzene	130 U	NS	NS	130 U	NS	130 U	130 U	130 U	130 U
Tetryl	130 U	NS	NS	130 U	NS	130 U	130 U	130 U	130 U
2,4,6-Trinitrotoluene	130 U	NS	NS	130 U	NS	130 U	130 U	130 U	130 U
4-amino-2,6-Dinitrotoluene	130 U	NS	NS	130 U	NS	130 U	130 U	130 U	130 U
2-amino-4,6-Dinitrotoluene	130 U	NS	NS	130 U	NS	130 U	130 U	130 U	130 U
2,6-Dinitrotoluene	130 U	NS	NS	130 U	NS	130 U	130 U	130 U	130 U
2,4-Dinitrotoluene	130 U	NS	NS	130 U	NS	130 U	130 U	130 U	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 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 4.2 11/20/93 TP11-1.3 205266	SOIL SEAD-11 0-0.7 11/19/93 TP11-2.1 205111	SOIL SEAD-11 0-0.7 11/19/93 TP11-2.1 205111
SEMIVOLATILE ORGANICS										
Phenol	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
bis(2-Chloroethyl) ether	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
2-Chlorophenol	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
1,3-Dichlorobenzene	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
1,4-Dichlorobenzene	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
1,2-Dichlorobenzene	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
2-Methylphenol	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
2,2'-oxybis(1-Chloropropane)	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
4-Methylphenol	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
N-Nitroso-d-n-propylamine	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
Hexachloroethane	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
Nitrobenzene	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
Isophorone	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
2-Nitrophenol	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
2,4-Dimethylphenol	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
bis(2-Chloroethoxy) methane	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
2,4-Dichlorophenol	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
1,2,4-Trichlorobenzene	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
Naphthalene	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
4-Chloroaniline	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
Hexachlorobutadiene	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
4-Chloro-3-methylphenol	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
2-Methylnaphthalene	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
Hexachlorocyclopentadiene	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
2,4,6-Trichlorophenol	990 U	990 U	900 U	900 U	860 U	870 U	930 U	960 U	960 U	3300 U
2,4,5-Trichlorophenol	990 U	990 U	900 U	900 U	860 U	870 U	930 U	960 U	960 U	3300 U
2-Chloronaphthalene	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
2-Nitroaniline	990 U	990 U	900 U	900 U	860 U	870 U	930 U	960 U	960 U	3300 U
Dimethylphthalate	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
Acenaphthylene	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
2,6-Dinitrotoluene	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
3-Nitroaniline	990 U	990 U	900 U	900 U	860 U	870 U	930 U	960 U	960 U	3300 U
Acenaphthene	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
2,4-Dinitrophenol	990 U	990 U	900 U	900 U	860 U	870 U	930 U	960 U	960 U	3300 U
4-Nitrophenol	990 U	990 U	900 U	900 U	860 U	870 U	930 U	960 U	960 U	3300 U
Dibenzofuran	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
2,4-Dinitrotoluene	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
Diethylphthalate	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
4-Chlorophenyl-phenylether	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
Fluorene	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
4-Nitroaniline	990 U	990 U	900 U	900 U	860 U	870 U	930 U	960 U	960 U	3300 U
4,6-Dinitro-2-methylphenol	990 U	990 U	900 U	900 U	860 U	870 U	930 U	960 U	960 U	3300 U
N-Nitrosodiphenylamine	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
4-Bromophenyl-phenylether	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
Hexachlorobenzene	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
Pentachlorophenol	990 U	990 U	900 U	900 U	860 U	870 U	930 U	960 U	960 U	3300 U
Phenanthrene	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
Anthracene	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
Carbazole	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
Di-n-butylphthalate	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
Fluoranthene	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
Pyrene	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
Buylbenzylphthalate	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
3,3'-Dichlorobenzidine	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
Benzo(a)anthracene	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
Chrysene	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
bis(2-Ethylhexyl)phthalate	740 U	740 U	660 U	660 U	620 U	630 U	670 U	680 U	680 U	2500 U
Di-n-octylphthalate	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
Benzo(b)fluoranthene	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
Benzo(k)fluoranthene	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
Benzo(a)pyrene	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
Indeno(1,2,3-cd)pyrene	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
Dibenz(a,h)anthracene	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U
Benzo(g,h,i)perylene	410 U	410 U	370 U	370 U	350 U	360 U	380 U	400 U	400 U	1400 U

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

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB UNITS	SOIL SEAD-11 0-2 SB11-3.1 203222	SOIL SEAD-11 2-4 SB11-3.2 203223	SOIL SEAD-11 10-12 SB11-3.6 203224	SOIL SEAD-11 11/20/93 SB11-3.6RE 205264	SOIL SEAD-11 11/20/93 TP11-1.1 205265	SOIL SEAD-11 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	1.9 U	1.8 U	2 U	2 U	24 J	10 U
beta-BHC	ug/Kg	2.1 U	1.9 U	1.8 U	2 U	2 U	20 U	10 U
delta-BHC	ug/Kg	2.1 U	1.9 U	1.8 U	2 U	2 U	15 J	10 U
gamma-BHC (Lindane)	ug/Kg	2.1 U	1.9 U	1.8 U	2 U	2 U	20 U	10 U
Heptachlor	ug/Kg	20 U	17 U	18 U	2 U	2 U	20 U	10 U
Aldrin	ug/Kg	2.1 U	1.8 U	1.8 U	2 U	2 U	20 U	10 U
Heptachlor epoxide	ug/Kg	2.1 U	1.9 U	1.8 U	2 U	2 U	20 U	10 U
Endosulfan I	ug/Kg	2.1 U	1.9 U	1.8 U	2 U	2 U	20 U	10 U
Endosulfan II	ug/Kg	4.1 U	3.8 U	3.6 U	3.2 J	8.4 J	29 J	20 U
4,4'-DDE	ug/Kg	4.1 U	3.7 U	3.6 U	10	5.6 J	200 J	120
Endrin	ug/Kg	4.1 U	3.7 U	3.6 U	3.8 U	4 U	49 J	20 U
Endosulfan II	ug/Kg	4.1 U	3.7 U	3.6 U	3.8 U	4 U	40 U	20 U
4,4'-DDD	ug/Kg	4.1 U	3.7 U	3.6 U	2.9 J	4 U	28 J	18 J
Endosulfan sulfate	ug/Kg	4.1 U	3.7 U	3.6 U	3.8 U	4 U	40 U	20 U
4,4'-DDT	ug/Kg	4.1 U	3.5 U	3.6 U	12	3.5 J	290 J	140 J
Methoxychlor	ug/Kg	2.1 U	1.9 U	1.8 U	20 U	20 U	200 U	100 U
Endrin ketone	ug/Kg	4.1 U	3.7 U	3.6 U	3.8 U	4 U	40 U	20 U
Endrin aldehyde	ug/Kg	4.1 U	3.7 U	3.6 U	3.8 U	4 U	40 U	20 U
alpha-Chlordane	ug/Kg	2.1 U	1.9 U	1.8 U	3.3 J	4 U	40 U	20 U
gamma-Chlordane	ug/Kg	2.1 U	1.9 U	1.8 U	1.8 U	9.1	190 J	10 U
Toxaphene	ug/Kg	210 U	190 U	180 U	200 U	2 U	20 U	10 U
Aroclor-1016	ug/Kg	41 U	37 U	36 U	38 U	40 U	400 U	1000 U
Aroclor-1221	ug/Kg	83 U	75 U	73 U	78 U	81 U	810 U	410 U
Aroclor-1232	ug/Kg	41 U	37 U	36 U	38 U	40 U	400 U	200 U
Aroclor-1242	ug/Kg	41 U	37 U	36 U	38 U	40 U	400 U	200 U
Aroclor-1248	ug/Kg	41 U	37 U	36 U	38 U	40 U	400 U	200 U
Aroclor-1254	ug/Kg	41 U	37 U	36 U	38 U	40 U	400 U	200 U
Aroclor-1260	ug/Kg	41 U	37 U	36 U	38 U	40 U	400 U	200 U
METALS								
Aluminum	mg/Kg	17600	6300	10900	13300	12200	11100	15300
Antimony	mg/Kg	10.8 U	8 U	7.6 U	285 J	118 J	8.1 U	9.4 U
Arsenic	mg/Kg	5.6	3.4	6	15.5	11.8	4.7	23.2 J
Barium	mg/Kg	113	57.4	82.7	1090	953	106	96.9
Beryllium	mg/Kg	0.85 J	0.34 J	0.47 J	0.63 J	0.59 J	0.54 J	0.76 J
Cadmium	mg/Kg	0.67 U	0.5 U	0.48 U	2.3	3.9	0.51 U	0.59 U
Calcium	mg/Kg	4950	91300	48600	30300	41700	54100	18600
Chromium	mg/Kg	24	11.1	18.6	67.2	53.9	18.7	23.9
Cobalt	mg/Kg	11.3	6.5 J	10.1	15.9	15.3	9.4	10.8
Copper	mg/Kg	20	12.2	21.7	492	374	32.4	35.5
Iron	mg/Kg	27200	13200	26300	83600	42000	22700	29200
Lead	mg/Kg	27.9	11.4	10.1	4050	2090	193	84.1
Magnesium	mg/Kg	4160	12900	10100	6760	10600	10100	11300
Manganese	mg/Kg	674	356	434	801	611	637	446
Mercury	mg/Kg	0.05 J	0.04 U	0.03 U	0.07 J	0.9	0.7	0.5 J
Nickel	mg/Kg	28.3	16.7	29.5	70.1	56.9	25.2	30.6
Potassium	mg/Kg	2110	1110	1230	1610	1280	1280	1430
Selenium	mg/Kg	0.24 J	0.13 U	0.21 U	0.25 U	0.25 J	0.15 U	0.68 J
Silver	mg/Kg	1.4 U	1 U	0.97 U	2.4	1.5 J	1 U	1.2 U
Sodium	mg/Kg	86.3 J	136 J	146 J	288 J	296 J	111 J	75.1 J
Thallium	mg/Kg	0.19 U	1.5 U	0.23 U	0.27 U	0.26 U	0.17 U	0.21 U
Vanadium	mg/Kg	31.8	13.3	17	24.5	19.5	17.3	23.8
Zinc	mg/Kg	83.2	65	77.3	3600	7980	377	139
Cyanide	mg/Kg	0.57 U	0.47 U	0.53 U	0.54 U	0.56 U	0.59 U	0.58 U
OTHER ANALYSES								
Nitrate/Nitrite-Nitrogen	mg/Kg	0.47	0.27	0.95	0.27	1.09	0.02	0.81
Total Solids	%W/W	81.1	89.1	92.2	86.5	83.2	83.5	81.3
Total Petroleum Hydrocarbons	mg/Kg	64	65	67	2700	1350	66	103
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
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-11	SOIL SEAD-11	SOIL SEAD-11	SOIL SEAD-11	SOIL SEAD-11	SOIL SEAD-11	SOIL SEAD-11	SOIL SEAD-11	SOIL SEAD-11
ES ID	TP11-2.2	TP11-2.3	TP11-3.1	TP11-3.2	TP11-3.3	TP11-4.1	TP11-4.2	TP11-4.3	TP11-4.4
LAB ID	205287	205268	206880	206881	206882	206883	206884	206885	
UNITS									
COMPOUND UNITS									
VOLATILE ORGANICS									
Chloromethane	12 U	12 U	33 U	22 U	12 U	11 U	12 U	11 U	11 U
Bromomethane	12 U	12 U	33 U	22 U	12 U	11 U	12 U	11 U	11 U
Vinyl Chloride	12 U	12 U	33 U	22 U	12 U	11 U	12 U	11 U	11 U
Chloroethane	12 U	12 U	33 U	22 U	12 U	11 U	12 U	11 U	11 U
Methylene Chloride	12 U	12 U	33 U	22 U	12 U	11 U	12 U	11 U	11 U
Acetone	12 U	12 U	33 U	22 U	12 U	11 U	12 U	11 U	11 U
Carbon Disulfide	12 U	12 U	33 U	22 U	12 U	11 U	12 U	11 U	11 U
1,1-Dichloroethane	12 U	12 U	33 U	22 U	12 U	11 U	12 U	11 U	11 U
1,1-Dichloroethane (total)	12 U	12 U	33 U	22 U	12 U	11 U	12 U	11 U	11 U
1,2-Dichloroethane	12 U	12 U	33 U	22 U	12 U	11 U	12 U	11 U	11 U
2-Butanone	12 U	12 U	33 U	22 U	12 U	11 U	12 U	11 U	11 U
1,1,1-Trichloroethane	12 U	12 U	33 U	22 U	12 U	11 U	12 U	11 U	11 U
Carbon Tetrachloride	12 U	12 U	33 U	22 U	12 U	11 U	12 U	11 U	11 U
Bromodichloromethane	12 U	12 U	33 U	22 U	12 U	11 U	12 U	11 U	11 U
1,2-Dichloropropane	12 U	12 U	33 U	22 U	12 U	11 U	12 U	11 U	11 U
cis-1,3-Dichloropropene	12 U	12 U	33 U	22 U	12 U	11 U	12 U	11 U	11 U
Trichloroethene	15	12 U	69	40	40	40	11 J	11 U	11 U
Dibromochloromethane	12 U	12 U	33 U	22 U	12 U	11 U	12 U	11 U	11 U
1,1,2-Trichloroethane	12 U	12 U	33 U	22 U	12 U	11 U	12 U	11 U	11 U
Benzene	12 U	12 U	33 U	22 U	12 U	11 U	12 U	11 U	11 U
trans-1,3-Dichloropropene	12 U	12 U	33 U	22 U	12 U	11 U	12 U	11 U	11 U
Bromoforn	12 U	12 U	33 U	22 U	12 U	11 U	12 U	11 U	11 U
4-Methyl-2-Pentanone	12 U	12 U	33 U	22 U	12 U	11 U	12 U	11 U	11 U
2-Hexanone	12 U	12 U	33 U	22 U	12 U	11 U	12 U	11 U	11 U
Tetrachloroethene	12 U	12 U	370	260	200	11 U	12 U	11 U	11 U
1,1,2,2-Tetrachloroethane	12 U	12 U	33 U	22 U	12 U	11 U	12 U	11 U	11 U
Toluene	1 J	12 U	33 U	22 U	12 U	11 U	12 U	11 U	11 U
Chlorobenzene	12 U	12 U	33 U	22 U	12 U	11 U	12 U	11 U	11 U
Ethylbenzene	3 J	12 U	33 U	22 U	12 U	11 U	12 U	11 U	11 U
Styrene	12 U	12 U	33 U	22 U	12 U	11 U	12 U	11 U	11 U
Xylene (total)	4 J	12 U	33 U	22 U	12 U	11 U	12 U	11 U	11 U
MTBE	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES									
2,4-D	59 U	60 U	61 U	59.0 U	58 U	59 U	63 U	56 U	56 U
2,4-DB	550	60 U	61 U	59.0 U	58 U	59 U	63 U	56 U	56 U
2,4,5-T	5.9 U	6 U	6.1 U	7.6	5.8 U	5.9 U	6.3 U	5.6 U	5.6 U
2,4,5-TP (Sivex)	5.9 U	6 U	6.1 U	5.9 U	5.8 U	5.9 U	6.3 U	5.6 U	5.6 U
Dialaon	150 U	150 U	150 U	150.0 U	140 U	140 U	2500	140 U	140 U
Dicamba	5.9 U	6 U	6.1 U	5.9 U	5.8 U	5.9 U	6.3 U	5.6 U	5.6 U
Dichloroprop	59 U	60 U	61 U	59.0 U	58 U	59 U	63 U	56 U	56 U
Dinoseb	30 U	30 U	31 U	30.0 U	29 U	30 U	32 U	28 U	28 U
MCPA	5900 U	6000 U	6100 U	5900.0 U	5800 U	5900 U	6300 U	5600 U	5600 U
MCPP	5900 U	6000 U	6100 U	5900.0 U	5800 U	5900 U	6300 U	5600 U	5600 U
NITROAROMATICS									
HMX	130 U	130 U	130 U	130.0 U	130 U	130 U	130 U	130 U	130 U
RDZ	130 U	130 U	130 U	130.0 U	130 U	130 U	130 U	130 U	130 U
1,3,5-Trinitrobenzene	130 U	130 U	130 U	130.0 U	130 U	130 U	130 U	130 U	130 U
1,3-Dinitrobenzene	130 U	130 U	130 U	130.0 U	130 U	130 U	130 U	130 U	130 U
Tetryl	130 U	130 U	130 U	130.0 U	130 U	130 U	130 U	130 U	130 U
2,4,6-Trinitrotoluene	130 U	130 U	130 U	130.0 U	130 U	130 U	130 U	130 U	130 U
4-amino-2,6-Dinitrotoluene	130 U	130 U	130 U	130.0 U	130 U	130 U	130 U	130 U	130 U
2-amino-4,6-Dinitrotoluene	130 U	130 U	130 U	130.0 U	130 U	130 U	130 U	130 U	130 U
2,6-Dinitrotoluene	130 U	130 U	130 U	130.0 U	130 U	130 U	130 U	130 U	130 U
2,4-Dinitrotoluene	170 J	130 U	130 U	130.0 U	130 U	130 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 12/14/93 TP11-4.2 206884	SOIL SEAD-11 4-6 12/16/93 TP11-4.3 206885
SEMI-VOLATILE ORGANICS								
Phenol	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
bis(2-Chloroethyl) ether	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
2-Chlorophenol	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
1,3-Dichlorobenzene	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
1,4-Dichlorobenzene	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
1,2-Dichlorobenzene	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
2-Methylphenol	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
2,2'-oxybis(1-Chloropropane)	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
4-Methylphenol	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
N-Nitroso-di-n-propylamine	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
Hexachloroethane	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
Nitrobenzene	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
Isophorone	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
2-Nitrophenol	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
2,4-Dimethylphenol	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
bis(2-Chloroethyl) methane	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
2,4-Dichlorophenol	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
1,2,4-Trichlorobenzene	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
Naphthalene	10000 U	1700 U	19000 U	8600 U	58000 U	7700 U	2100 U	370 U
4-Chloroaniline	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
Hexachlorobutadiene	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
4-Chloro-3-methylphenol	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
2-Methylnaphthalene	26000 U	460 U	7700 U	3200 U	7300 U	850 U	170 U	370 U
Hexachlorocyclopentadiene	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
2,4,6-Trichlorophenol	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
2,4,5-Trichlorophenol	94000 U	3200 U	150000 UJ	74000 U	140000 U	19000 U	5000 U	890 U
2-Chloronaphthalene	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
2-Nitroaniline	94000 U	3200 U	150000 UJ	74000 U	140000 U	19000 U	5000 U	890 U
Dimethylphthalate	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
Acenaphthylene	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
2,6-Dinitrotoluene	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
3-Nitroaniline	94000 U	3200 U	150000 UJ	74000 U	140000 U	19000 U	5000 U	890 U
Acenaphthene	84000 U	1400 U	28000 U	74000 U	140000 U	19000 U	5000 U	890 U
2,4-Dinitrophenol	94000 U	3200 U	150000 UJ	74000 U	140000 U	19000 U	5000 U	890 U
4-Nitrophenol	94000 U	3200 U	150000 UJ	74000 U	140000 U	19000 U	5000 U	890 U
Dibenzofuran	60000 U	1000 U	7900 U	16000 U	52000 U	22000 U	5200 U	370 U
2,4-Dinitrotoluene	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
Diallylphthalate	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
4-Chlorophenyl-phenylether	80000 U	1600 U	27000 U	14000 U	24000 U	3300 U	1000 U	370 U
Fluorene	94000 U	3200 U	150000 UJ	74000 U	140000 U	19000 U	5000 U	890 U
4-Nitroaniline	94000 U	3200 U	150000 UJ	74000 U	140000 U	19000 U	5000 U	890 U
4,6-Dinitro-2-methylphenol	94000 U	3200 U	150000 UJ	74000 U	140000 U	19000 U	5000 U	890 U
N-Nitrosodiphenylamine	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
4-Bromophenyl-phenylether	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
Hexachlorobenzene	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
Pentachlorophenol	94000 U	3200 U	150000 UJ	74000 U	140000 U	19000 U	5000 U	890 U
Phenanthrene	350000 U	9200 U	210000 UJ	110000 U	180000 U	40000 U	9700 U	240 U
Anthracene	150000 U	2900 U	49000 UJ	27000 U	44000 U	7700 U	2200 U	49 U
Carbazole	81000 U	1600 U	33000 UJ	16000 U	30000 U	6400 U	1300 U	370 U
Di-n-butylphthalate	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
Fluoranthene	350000 U	9200 U	210000 UJ	110000 U	180000 U	40000 U	9700 U	240 U
Pyrene	260000 U	7800 U	190000 UJ	120000 U	140000 U	38000 U	12000 U	400 U
Benzylbenzylphthalate	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
3,3'-Dichlorobenzidine	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
Benzo(a)anthracene	190000 U	4600 U	110000 UJ	67000 U	79000 U	20000 U	6600 U	180 U
Chrysene	170000 U	4300 U	110000 UJ	64000 U	74000 U	22000 U	6900 U	180 U
bis(2-Ethylhexyl)phthalate	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
Di-n-octylphthalate	39000 U	1300 U	61000 UJ	29000 U	58000 U	7700 U	2100 U	370 U
Benzo(b)fluoranthene	96000 U	2900 U	110000 UJ	67000 U	80000 U	26000 U	8400 U	220 U
Benzo(k)fluoranthene	130000 U	3700 U	104000 UJ	66000 U	80000 U	26000 U	8400 U	220 U
Benzo(a)pyrene	140000 U	3400 U	110000 UJ	61000 U	73000 U	23000 U	6100 U	160 U
Indeno(1,2,3-cd)pyrene	100000 U	2300 U	80000 UJ	45000 U	55000 U	11000 U	3700 U	120 U
Dibenz(a,h)anthracene	52000 U	1200 U	9300 UJ	12000 U	12000 U	3000 U	1000 U	370 U
Benzo(g,h,i)perylene	32000 U	630 U	53000 UJ	11000 U	39000 U	9100 U	2900 U	160 U

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 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 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
PESTICIDES/PCB							
alpha-BHC	ug/Kg	2 U	41 U	20 U	99 U	21 U	19 U
beta-BHC	ug/Kg	2 U	41 U	20 U	99 U	21 U	19 U
delta-BHC	ug/Kg	1.3 J	41 U	20 U	92 J	21 U	19 U
gamma-BHC (Lindane)	ug/Kg	2 U	41 U	20 U	99 U	21 U	19 U
Heptachlor	ug/Kg	2 U	41 U	20 U	99 U	21 U	19 U
Aldrin	ug/Kg	2 U	41 U	20 U	99 U	21 U	19 U
Heptachlor epoxide	ug/Kg	2 U	41 U	20 U	99 U	21 U	19 U
Endosulfan I	ug/Kg	3.9 U	80 U	20 U	99 U	21 U	19 U
Dieldrin	ug/Kg	4 U	80 U	39 U	19 U	41 U	37 U
4,4'-DDE	ug/Kg	5 J	1600 J	1000 J	670 J	12 J	37 U
Endrin	ug/Kg	3.9 U	80 U	35 J	45 J	41 U	37 U
Endosulfan II	ug/Kg	3.9 U	66 J	36 J	31 J	14 J	37 U
4,4'-DDD	ug/Kg	3.9 U	1400 J	630 J	320 J	48 J	37 U
Endosulfan sulfate	ug/Kg	3.9 U	80 U	39 U	19 U	41 U	37 U
4,4'-DDT	ug/Kg	11 J	4300 J	2400 J	1500 J	72 J	16 J
Methoxychlor	ug/Kg	20 U	410 U	200 U	99 U	21 U	19 U
Endrin ketone	ug/Kg	3.9 U	80 U	39 U	19 U	41 U	37 U
Endrin aldehyde	ug/Kg	3.9 U	80 U	39 U	19 U	41 U	37 U
alpha-Chlordane	ug/Kg	2 U	41 U	20 U	99 U	21 U	19 U
gamma-Chlordane	ug/Kg	2 U	41 U	20 U	99 U	21 U	19 U
Toxaphene	ug/Kg	200 U	4100 U	2000 U	990 U	210 U	190 U
Aroclor-1016	ug/Kg	39 U	800 U	390 U	190 U	41 U	37 U
Aroclor-1221	ug/Kg	79 U	1600 U	780 U	380 U	84 U	74 U
Aroclor-1232	ug/Kg	39 U	800 U	390 U	190 U	41 U	37 U
Aroclor-1242	ug/Kg	39 U	800 U	390 U	190 U	41 U	37 U
Aroclor-1248	ug/Kg	39 U	800 U	390 U	190 U	41 U	37 U
Aroclor-1254	ug/Kg	39 U	800 U	390 U	190 U	41 U	37 U
Aroclor-1260	ug/Kg	39 U	800 U	390 U	190 U	41 U	37 U
METALS							
Aluminum	mg/Kg	8720	21700	12100	12300	15000	7170
Antimony	ug/Kg	12.3 UJ	8.6 J	4 J	11.3 J	25.3 J	5.2 UJ
Arsenic	mg/Kg	6.4	6.4	6.9	6.9	5.7	5.7
Barium	mg/Kg	68.6	415	133	477	131	44.1
Beryllium	mg/Kg	0.45 J	0.71 J	0.55 J	0.38 J	0.93 J	0.39 J
Cadmium	ug/Kg	0.77 U	9.2	3	16	5.6	0.51 U
Calcium	mg/Kg	83700	73600	85300	41300	4340	103000
Chromium	mg/Kg	15.5	78.2 J	41.4 J	172 J	242 J	25.9 J
Cobalt	ug/Kg	7.2 J	10.8	12.3	27.5	11.1	10.4 J
Copper	mg/Kg	121	1090 J	225 J	642 J	22.9 J	19.4 J
Iron	mg/Kg	19100	34800	30200	118000	27100	15100
Lead	ug/Kg	82.5	1170	474	1330	1690	161
Magnesium	mg/Kg	21100	6860	12700	9190	3710	26300
Manganese	mg/Kg	480	648	512	946	602	420
Mercury	ug/Kg	0.07 J	0.4	0.4	0.41	0.37	0.02 J
Nickel	mg/Kg	20.4	45.2	41.3	117	33	20.2
Potassium	mg/Kg	1080 J	2980	2380	2040	1450	1200
Selenium	ug/Kg	0.2 UJ	0.56 J	0.66 J	0.74 J	0.7 J	0.17 J
Silver	ug/Kg	1.6 U	10.8	5.2	11.3	1.0	0.81 U
Sodium	mg/Kg	226 J	1660	315 J	508 J	236 J	156 J
Thallium	ug/Kg	0.22 UJ	1 U	0.25 U	0.25 U	0.27 U	0.26 U
Vanadium	mg/Kg	14.1	31	24.1	30.2	26.1	12.9
Zinc	mg/Kg	153	1250	777	1720	632	92.4
Cyanide	mg/Kg	0.58 U	0.6 U	0.58 U	0.55 U	0.55 U	0.55 U
OTHER ANALYSES							
Nitrate/Nitrite-Nitrogen	mg/Kg	0.87	0.36	0.7	0.55	2.2	0.62
Total Solids	%/W	84.6	81.6	85.3	85.6	80	89.9
Total Petroleum Hydrocarbons	mg/Kg	6000	960	1060	560	320	104
Fluoride	mg/Kg	NS	NS	NS	NS	NS	NS
pH	standard units	NS	NS	NS	NS	NS	NS

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

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

MATRIX LOCATION SAMPLE DATE	WATER SEAD-11 01/18/94 MW11-1 209093	WATER SEAD-11 01/18/94 MW11-2 209094	WATER SEAD-11 01/24/94 MW11-3 209335	WATER SEAD-11 01/24/94 MW11-3RE 209335	WATER SEAD-11 01/24/94 MW11-5 209337 MW11-3DUP	WATER SEAD-11 01/24/94 MW11-5RE 209337 MW11-3DUP	WATER SEAD-11 11/16/93 MW11-4 204663
COMPOUND	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
SEMIVOLATILE ORGANICS							
Phenol	ug/L	10 U	10 U	11 U	10 U	NS	11 U
bis(2-Chloroethyl) ether	ug/L	10 U	10 U	11 U	10 U	NS	11 U
2-Chlorophenol	ug/L	10 U	10 U	11 U	10 U	NS	11 U
1,3-Dichlorobenzene	ug/L	10 U	10 U	11 U	10 U	NS	11 U
1,4-Dichlorobenzene	ug/L	10 U	10 U	11 U	10 U	NS	11 U
2-Dichlorobenzene	ug/L	10 U	10 U	11 U	10 U	NS	11 U
2-Methylphenol	ug/L	10 U	10 U	11 U	10 U	NS	11 U
2,2 -oxybis(1-Chloropropane)	ug/L	10 U	10 U	11 U	10 U	NS	11 U
4-Methylphenol	ug/L	10 U	10 U	11 U	10 U	NS	11 U
N-Nitroso-di-n-propylamine	ug/L	10 U	10 U	11 U	10 U	NS	11 U
Hexachloroethane	ug/L	10 U	10 U	11 U	10 U	NS	11 U
Nitrobenzene	ug/L	10 U	10 U	11 U	10 U	NS	11 U
Isophorone	ug/L	10 U	10 U	11 U	10 U	NS	11 U
2-Nitrophenol	ug/L	10 U	10 U	11 U	10 U	NS	11 U
2,4-Dimethylphenol	ug/L	10 U	10 U	11 U	10 U	NS	11 U
bis(2-Chloroethoxy) methane	ug/L	10 U	10 U	11 U	10 U	NS	11 U
2,4-Dichlorophenol	ug/L	10 U	10 U	11 U	10 U	NS	11 U
1,2,4-Trichlorobenzene	ug/L	10 U	10 U	11 U	10 U	NS	11 U
Naphthalene	ug/L	10 U	10 U	11 U	10 U	NS	11 U
4-Chloroaniline	ug/L	10 U	10 U	11 U	10 U	NS	11 U
Hexachlorobutadiene	ug/L	10 U	10 U	11 U	10 U	NS	11 U
4-Chloro-3-methylphenol	ug/L	10 U	10 U	11 U	10 U	NS	11 U
2-Methylnaphthalene	ug/L	10 U	10 U	11 U	10 U	NS	11 U
Hexachlorocyclopentadiene	ug/L	10 U	10 U	11 U	10 U	NS	11 U
2,4,6-Trichlorophenol	ug/L	26 U	26 U	27 U	25 U	NS	27 U
2,4,5-Trichlorophenol	ug/L	10 U	10 U	11 U	10 U	NS	11 U
2-Chloronaphthalene	ug/L	26 U	26 U	27 U	25 U	NS	27 U
2-Nitroaniline	ug/L	10 U	10 U	11 U	10 U	NS	11 U
Dimethylphthalate	ug/L	10 U	10 U	11 U	10 U	NS	11 U
Acenaphthylene	ug/L	10 U	10 U	11 U	10 U	NS	11 U
2,6-Dinitrotoluene	ug/L	26 U	26 U	27 U	25 U	NS	27 U
3-Nitroaniline	ug/L	10 U	10 U	11 U	10 U	NS	11 U
Acenaphthene	ug/L	26 U	26 U	27 U	25 U	NS	27 U
2,4-Dinitrophenol	ug/L	26 U	26 U	27 U	25 U	NS	27 U
4-Nitrophenol	ug/L	26 U	26 U	27 U	25 U	NS	27 U
Dibenzofuran	ug/L	10 U	10 U	11 U	10 U	NS	11 U
2,4-Dinitrotoluene	ug/L	0.5 J	0.5 J	11 U	10 U	NS	11 U
Diethylphthalate	ug/L	10 U	10 U	11 U	10 U	NS	11 U
4-Chlorophenyl-phenylether	ug/L	10 U	10 U	11 U	10 U	NS	11 U
Fluorene	ug/L	10 U	10 U	11 U	10 U	NS	11 U
4-Nitroaniline	ug/L	26 U	26 U	27 U	25 U	NS	27 U
4,6-Dinitro-2-methylphenol	ug/L	26 U	26 U	27 U	25 U	NS	27 U
N-Nitrosodiphenylamine	ug/L	10 U	10 U	11 U	10 U	NS	11 U
4-Bromophenyl-phenylether	ug/L	10 U	10 U	11 U	10 U	NS	11 U
Hexachlorobenzene	ug/L	26 U	26 U	27 U	25 U	NS	27 U
Pentachlorophenol	ug/L	10 U	10 U	11 U	10 U	NS	11 U
Phenanthrene	ug/L	10 U	10 U	11 U	10 U	NS	11 U
Anthracene	ug/L	10 U	10 U	11 U	10 U	NS	11 U
Carbazole	ug/L	10 U	10 U	11 U	10 U	NS	11 U
Di-n-butylphthalate	ug/L	10 U	10 U	11 U	10 U	NS	11 U
Fluoranthene	ug/L	10 U	10 U	11 U	10 U	NS	11 U
Pyrene	ug/L	10 U	10 U	11 U	10 U	NS	11 U
Butybenzylphthalate	ug/L	10 U	10 U	11 U	10 U	NS	11 U
3,3'-Dichlorobenzidine	ug/L	10 U	10 U	11 U	10 U	NS	11 U
Benzo(a)anthracene	ug/L	10 U	10 U	11 U	10 U	NS	11 U
Chrysene	ug/L	10 U	10 U	11 U	10 U	NS	11 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	10 U	11 U	10 U	NS	11 U
Di-n-ocetylphthalate	ug/L	13 U	13 U	11 U	10 U	NS	11 U
Benzo(b)fluoranthene	ug/L	10 U	10 U	11 U	10 U	NS	11 U
Benzo(k)fluoranthene	ug/L	10 U	10 U	11 U	10 U	NS	11 U
Benzo(a)pyrene	ug/L	10 U	10 U	11 U	10 U	NS	11 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	10 U	11 U	10 U	NS	11 U
Dibenzo(a,h)anthracene	ug/L	10 U	10 U	11 U	10 U	NS	11 U
Benzo(g,h,i)perylene	ug/L	10 U	10 U	11 U	10 U	NS	11 U

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

COMPOUND	MATRIX LOCATION SAMPLE DATE	WATER SEAD-11 01/18/94 MW11-1 209093	WATER SEAD-11 01/18/94 MW11-2 209094	WATER SEAD-11 01/24/94 MW11-3 209335	WATER SEAD-11 01/24/94 MW11-3RE 209335	WATER SEAD-11 01/24/94 MW11-5 209337	WATER SEAD-11 01/24/94 MW11-5RE 209337	WATER SEAD-11 11/16/93 MW11-4 204663
	UNITS							
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
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	38.6 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 U	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	36700	17200	NS	15900	NS	16900 R
Sodium	ug/L	1.2 U	1.2 U	1.2 U	NS	1.2 U	NS	1.8 U
Thallium	ug/L	3.7 U	3.7 U	3.7 U	NS	3.7 U	NS	3.3 U
Vanadium	ug/L	3.7 U	3.7 U	3.7 U	NS	3.7 U	NS	3.8 J R
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	0.86 U	1.81	NS	1.34	NS	0.76
Fluoride	mg/L	7.5	7.4	7.11	NS	NS	NS	7.35
pH	standard units	3.80	500	725	NS	NS	NS	650
Specific Conductivity	umhos/cm	0.6	2.3	13.9	NS	NS	NS	NA(Clear)
Turbidity	NTU							

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

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID	SOIL SEAD-13 0-2 SB13-1.1 206397	SOIL SEAD-13 6-8 SB13-1.3 206398	SOIL SEAD-13 8-10 SB13-1.4 206399	SOIL SEAD-13 8-10 SB13-1.4RE 206399	SOIL SEAD-13 0-2 SB13-2.1 204003	SOIL SEAD-13 0-2 SB13-2.1RE 204003	SOIL SEAD-13 4-6 SB13-2.3 204004	SOIL SEAD-13 4-6 SB13-2.3RE 204004	SOIL SEAD-13 8-10 SB13-2.5 204005
COMPOUND UNITS									
VOLATILE ORGANICS									
Chloromethane	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U
Bromomethane	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U
Vinyl Chloride	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U
Chloroethane	12 U	2 J	4 J	11 U	11 U	11 U	11 U	11 U	12 U
Methylene Chloride	12 U	13 U	15 U	11 U	11 U	11 U	11 U	11 U	12 U
Acetone	12 U	11 U	2 J	11 U	11 U	11 U	11 U	11 U	12 U
Carbon Disulfide	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U
1,1-Dichloroethane	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U
1,1-Dichloroethane	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U
1,2-Dichloroethane (total)	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U
Chloroform	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U
1,2-Dichloroethane	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U
2-Butanone	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U
1,1,1-Trichloroethane	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U
Carbon Tetrachloride	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U
Bromodichloromethane	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U
1,2-Dichloropropane	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U
cis-1,3-Dichloropropene	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U
Trichloroethene	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U
Dibromochloromethane	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U
1,1,2-Trichloroethane	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U
Benzene	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U
trans-1,3-Dichloropropene	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U
Bromolorm	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U
4-Methyl-2-Pentanone	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U
2-Hexanone	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U
Tetrachloroethene	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U
1,1,2,2-Tetrachloroethane	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U
Toluene	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U
Chlorobenzene	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U
Ethylbenzene	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U
Styrene	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U
Xylene (total)	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	12 U
MTBE	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES									
2,4-D	61 U	55 U	54 U	NS	56 U	56 U	58 U	58 U	56 U
2,4-DB	61 U	55 U	54 U	NS	56 U	56 U	58 U	58 U	56 U
2,4,5-T	61 U	55 U	54 U	NS	56 U	56 U	58 U	58 U	56 U
2,4,5-TP (Sivex)	61 U	55 U	54 U	NS	56 U	56 U	58 U	58 U	56 U
Dalapon	150 U	130 U	130 U	NS	140 U	140 U	140 U	140 U	140 U
Dicamba	61 U	55 U	54 U	NS	56 U	56 U	58 U	58 U	56 U
Dinoseb	31 U	28 U	27 U	NS	28 U	28 U	29 U	29 U	28 U
MCPA	6100 U	5500 U	5400 U	NS	5600 U	5600 U	5600 U	5600 U	5600 U
MCPP	6100 U	5500 U	5400 U	NS	5600 U	5600 U	5600 U	5600 U	5600 U
NITROAROMATICS									
HMX	NS	NS	NS	NS	130 U	130 U	130 U	130 U	130 U
FDX	NS	NS	NS	NS	130 U	130 U	130 U	130 U	130 U
1,3,5-Trinitrobenzene	NS	NS	NS	NS	130 U	130 U	130 U	130 U	130 U
1,3-Dinitrobenzene	NS	NS	NS	NS	130 U	130 U	130 U	130 U	130 U
Tetryl	NS	NS	NS	NS	130 U	130 U	130 U	130 U	130 U
2,4,6-Trinitrotoluene	NS	NS	NS	NS	130 U	130 U	130 U	130 U	130 U
4-amino-2,6-Dinitrotoluene	NS	NS	NS	NS	130 U	130 U	130 U	130 U	130 U
2-amino-4,6-Dinitrotoluene	NS	NS	NS	NS	130 U	130 U	130 U	130 U	130 U
2,6-Dinitrotoluene	NS	NS	NS	NS	130 U	130 U	130 U	130 U	130 U
2,4-Dinitrotoluene	NS	NS	NS	NS	130 U	130 U	130 U	130 U	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 8-10 12/08/93 SB13-1.4 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 SB13-2.3RE 204004	SOIL SEAD-13 8-10 11/09/93 SB13-2.5 204005
SEMIVOLATILE ORGANICS							
Phenol	400 U	360 U	350 U	360 U	NS	380 U	370 U
bis(2-Chloroethyl) ether	400 U	360 U	350 U	360 U	NS	380 U	370 U
2-Chlorophenol	400 U	360 U	350 U	360 U	NS	380 U	370 U
1,3-Dichlorobenzene	400 U	360 U	350 U	360 U	NS	380 U	370 U
1,4-Dichlorobenzene	400 U	360 U	350 U	360 U	NS	380 U	370 U
2-Methylphenol	400 U	360 U	350 U	360 U	NS	380 U	370 U
2,2'-oxybis(1-Chloropropane)	400 U	360 U	350 U	360 U	NS	380 U	370 U
4-Methylphenol	400 U	360 U	350 U	360 U	NS	380 U	370 U
N-Nitroso-di-n-propylamine	400 U	360 U	350 U	360 U	NS	380 U	370 U
Hexachloroethane	400 U	360 U	350 U	360 U	NS	380 U	370 U
Nitrobenzene	400 U	360 U	350 U	360 U	NS	380 U	370 U
Isophorone	400 U	360 U	350 U	360 U	NS	380 U	370 U
2-Nitrophenol	400 U	360 U	350 U	360 U	NS	380 U	370 U
2,4-Dimethylphenol	400 U	360 U	350 U	360 U	NS	380 U	370 U
bis(2-Chloroethoxy) methane	400 U	360 U	350 U	360 U	NS	380 U	370 U
2,4-Dichlorophenol	400 U	360 U	350 U	360 U	NS	380 U	370 U
1,2,4-Trichlorobenzene	400 U	360 U	350 U	360 U	NS	380 U	370 U
Naphthalene	400 U	360 U	350 U	360 U	NS	380 U	370 U
4-Chloroaniline	400 U	360 U	350 U	360 U	NS	380 U	370 U
Hexachlorobutadiene	400 U	360 U	350 U	360 U	NS	380 U	370 U
4-Chloro-3-methylphenol	400 U	360 U	350 U	360 U	NS	380 U	370 U
2-Methylnaphthalene	400 U	360 U	350 U	360 U	NS	380 U	370 U
Hexachlorocyclopentadiene	400 U	360 U	350 U	360 U	NS	380 U	370 U
2,4,6-Trichlorophenol	800 U	360 U	350 U	360 U	NS	380 U	370 U
2,4,5-Trichlorophenol	800 U	360 U	350 U	360 U	NS	380 U	370 U
2-Chloronaphthalene	400 U	360 U	350 U	360 U	NS	380 U	370 U
2-Nitroaniline	900 U	360 U	350 U	360 U	NS	380 U	370 U
Dimethylphthalate	400 U	360 U	350 U	360 U	NS	380 U	370 U
Acenaphthylene	400 U	360 U	350 U	360 U	NS	380 U	370 U
2,6-Dinitrotoluene	400 U	360 U	350 U	360 U	NS	380 U	370 U
3-Nitroaniline	900 U	360 U	350 U	360 U	NS	380 U	370 U
Acenaphthene	400 U	360 U	350 U	360 U	NS	380 U	370 U
2,4-Dinitrophenol	900 U	360 U	350 U	360 U	NS	380 U	370 U
4-Nitrophenol	900 U	360 U	350 U	360 U	NS	380 U	370 U
Dibenzofuran	400 U	360 U	350 U	360 U	NS	380 U	370 U
2,4-Dinitrotoluene	400 U	360 U	350 U	360 U	NS	380 U	370 U
Diethylphthalate	400 U	360 U	350 U	360 U	NS	380 U	370 U
4-Chlorophenyl-phenylether	400 U	360 U	350 U	360 U	NS	380 U	370 U
Fluorene	400 U	360 U	350 U	360 U	NS	380 U	370 U
4-Nitroaniline	900 U	360 U	350 U	360 U	NS	380 U	370 U
4,6-Dinitro-2-methylphenol	870 U	360 U	350 U	360 U	NS	380 U	370 U
N-Nitrosodiphenylamine	400 U	360 U	350 U	360 U	NS	380 U	370 U
4-Bromophenyl-phenylether	400 U	360 U	350 U	360 U	NS	380 U	370 U
Hexachlorobenzene	400 U	360 U	350 U	360 U	NS	380 U	370 U
Pentachlorophenol	400 U	360 U	350 U	360 U	NS	380 U	370 U
Phenanthrene	400 U	360 U	350 U	360 U	NS	380 U	370 U
Anthracene	400 U	360 U	350 U	360 U	NS	380 U	370 U
Carbazole	400 U	360 U	350 U	360 U	NS	380 U	370 U
Di-n-butylphthalate	400 U	360 U	350 U	360 U	NS	380 U	370 U
Fluoranthene	400 U	360 U	350 U	360 U	NS	380 U	370 U
Pyrene	400 U	360 U	350 U	360 U	NS	380 U	370 U
Butylbenzylphthalate	400 U	360 U	350 U	360 U	NS	380 U	370 U
3,3'-Dichlorobenzidine	400 U	360 U	350 U	360 U	NS	380 U	370 U
Benzoc(a)anthracene	400 U	360 U	350 U	360 U	NS	380 U	370 U
Chrysene	400 U	360 U	350 U	360 U	NS	380 U	370 U
bis(2-Ethylhexyl)phthalate	400 U	360 U	350 U	360 U	NS	380 U	370 U
Di-n-octylphthalate	210 U	360 U	350 U	360 U	NS	380 U	370 U
Benzof(b)fluoranthene	400 U	360 U	350 U	360 U	NS	380 U	370 U
Benzof(k)fluoranthene	400 U	360 U	350 U	360 U	NS	380 U	370 U
Benzof(a)pyrene	400 U	360 U	350 U	360 U	NS	380 U	370 U
Indeno(1,2,3-cd)pyrene	400 U	360 U	350 U	360 U	NS	380 U	370 U
Dibenz(a,h)anthracene	400 U	360 U	350 U	360 U	NS	380 U	370 U
Benzof(g,h,i)perylene	400 U	360 U	350 U	360 U	NS	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 0-2 12/08/93 SB13-1.1 206397	SOIL SEAD-13 8-10 12/08/93 SB13-1.3 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 4-6 11/09/93 SB13-2.3RE 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
PESTICIDES/PCB									
alpha-BHC	ug/Kg	2.1 U	1.8 U	1.8 U	NS	1.9 U	2 U	2 U	1.9 U
beta-BHC	ug/Kg	2.1 U	1.8 U	1.8 U	NS	1.9 U	2 U	2 U	1.9 U
delta-BHC	ug/Kg	2.1 U	1.8 U	1.8 U	NS	1.9 U	2 U	2 U	1.9 U
gamma-BHC (Lindane)	ug/Kg	2.1 U	1.8 U	1.8 U	NS	1.9 U	2 U	2 U	1.9 U
Heptachlor	ug/Kg	2.1 U	1.8 U	1.8 U	NS	1.9 U	2 U	2 U	1.9 U
Aldrin	ug/Kg	2.1 U	1.8 U	1.8 U	NS	1.9 U	2 U	2 U	1.9 U
Heptachlor epoxide	ug/Kg	2.1 U	1.8 U	1.8 U	NS	1.9 U	2 U	2 U	1.9 U
Endosulfan I	ug/Kg	4 U	3.6 U	3.5 U	NS	3.7 U	3.8 U	3.8 U	3.7 U
4,4'-DDE	ug/Kg	4 U	3.6 U	3.5 U	NS	3.7 U	3.8 U	3.8 U	3.7 U
Endrin	ug/Kg	4 U	3.6 U	3.5 U	NS	3.7 U	3.8 U	3.8 U	3.7 U
Endosulfan II	ug/Kg	4 U	3.6 U	3.5 U	NS	3.7 U	3.8 U	3.8 U	3.7 U
4,4'-DDD	ug/Kg	4 U	3.6 U	3.5 U	NS	3.7 U	3.8 U	3.8 U	3.7 U
Endosulfan sulfate	ug/Kg	4 U	3.6 U	3.5 U	NS	3.7 U	3.8 U	3.8 U	3.7 U
4,4'-DDT	ug/Kg	21 U	18 U	18 U	NS	19 U	20 U	20 U	19 U
Methoxychlor	ug/Kg	4 U	3.6 U	3.5 U	NS	3.7 U	3.8 U	3.8 U	3.7 U
Endrin ketone	ug/Kg	4 U	3.6 U	3.5 U	NS	3.7 U	3.8 U	3.8 U	3.7 U
Endrin aldehyde	ug/Kg	4 U	3.6 U	3.5 U	NS	3.7 U	3.8 U	3.8 U	3.7 U
alpha-Chlordane	ug/Kg	21 U	18 U	18 U	NS	19 U	20 U	20 U	19 U
gamma-Chlordane	ug/Kg	21 U	18 U	18 U	NS	19 U	20 U	20 U	19 U
Toxaphene	ug/Kg	40 U	36 U	35 U	NS	37 U	38 U	38 U	37 U
Aroclor-1016	ug/Kg	82 U	73 U	72 U	NS	74 U	77 U	77 U	75 U
Aroclor-1221	ug/Kg	40 U	36 U	35 U	NS	37 U	38 U	38 U	37 U
Aroclor-1232	ug/Kg	40 U	36 U	35 U	NS	37 U	38 U	38 U	37 U
Aroclor-1242	ug/Kg	40 U	36 U	35 U	NS	37 U	38 U	38 U	37 U
Aroclor-1254	ug/Kg	40 U	36 U	35 U	NS	37 U	38 U	38 U	37 U
Aroclor-1260	ug/Kg	40 U	36 U	35 U	NS	37 U	38 U	38 U	37 U
METALS									
Aluminum	mg/Kg	18300	8250	11700	NS	10700	12700	12700	5700
Antimony	mg/Kg	5.1 J	3.7 UU	5.6	NS	6.3 UU	12.2 UU	12.2 UU	8.7 UU
Arsenic	mg/Kg	7	6.2	5.7	NS	5.6	5.4	5.4	5.3
Barium	mg/Kg	106	88.1	33.9	NS	58.8	94.9	94.9	71.7
Beryllium	mg/Kg	0.92 J	0.42 J	0.54 J	NS	0.52 J	0.62 J	0.62 J	0.27 J
Cadmium	mg/Kg	0.45 U	0.36 U	0.27 U	NS	0.4 U	0.76 U	0.76 U	0.54 U
Calcium	mg/Kg	3570	87700	50300	NS	28800	61700	61700	76100
Chromium	mg/Kg	29.4	13.3	19.6	NS	21.2	22.9	22.9	10.7
Cobalt	mg/Kg	12	7.2 J	11.1	NS	11.3	12	12	7.4 J
Copper	mg/Kg	11.6	18.4	17.6	NS	45.2	23.5	23.5	18.9
Iron	mg/Kg	32500	17400	24700	NS	25000	27700	27700	13600
Lead	mg/Kg	15	9	11.7	NS	25.6	9.3	9.3	7.7
Magnesium	mg/Kg	5890	20800	12600	NS	5360	13300	13300	21200
Manganese	mg/Kg	451	517	404	NS	338	445	445	411
Mercury	mg/Kg	0.03 J	0.07 J	0.02 U	NS	0.04 J	0.02 U	0.02 U	0.03 U
Nickel	mg/Kg	34.9	32.1	33.1	NS	46.6	40.8	40.8	20
Potassium	mg/Kg	2190	1390	1270	NS	1120	1410	1410	1040
Selenium	mg/Kg	0.26 J	0.86 J	0.51 J	NS	0.83 J	0.53 J	0.53 J	0.32 J
Silver	mg/Kg	0.9 U	0.71 U	0.54 U	NS	0.8 UU	1.5 UU	1.5 UU	1.1 UU
Sodium	mg/Kg	80.6 J	155 J	134 J	NS	90.2 J	131 J	131 J	145 J
Thallium	mg/Kg	0.43 J	0.43 J	0.35 J	NS	0.35 J	0.27 U	0.27 U	0.25 U
Vanadium	mg/Kg	32.7	13.3	16.3	NS	19.3	21.4	21.4	12.2
Zinc	mg/Kg	81.9	56.2	45.8	NS	63.6	78.6	78.6	45
Cyanide	mg/Kg	0.61 U	0.5 U	0.53 U	NS	0.52 U	0.53 U	0.53 U	0.5 U
OTHER ANALYSES									
Nitrate/Nitrite-Nitrogen	mg/Kg	0.1	0.02	0.02	NS	0.31	129	129	176
Total Solids	%W/W	82.3	92.4	93.4	NS	90.3	86.9	86.9	88.8
Total Petroleum Hydrocarbons	mg/Kg	68	55	99	NS	80	138	138	135
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-13 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB UNITS	SOIL SEAD-13 8-10 12/09/93 SB13-3.1 206400	SOIL SEAD-13 0-2 12/09/93 SB13-3.2 206400	SOIL SEAD-13 8-10 12/09/93 SB13-3.5 206402	SOIL SEAD-13 0-2 12/15/93 SB13-4.1 207023	SOIL SEAD-13 4-6 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
COMPOUND									
VOLATILE ORGANICS									
Chloromethane	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U
Bromomethane	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U
Vinyl Chloride	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U
Chloroethane	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U
Methylene Chloride	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U
Acetone	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U
Carbon Disulfide	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U
1,1-Dichloroethane	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U
1,1-Dichloroethane (total)	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U
Chloroform	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U
1,2-Dichloroethane	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U
2-Butanone	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U
1,1,1-Trichloroethane	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U
Carbon Tetrachloride	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U
Bromodichloromethane	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U
1,2-Dichloropropane	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U
cis-1,3-Dichloropropene	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U
Trichloroethene	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U
Dibromochloromethane	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U
1,1,2-Trichloroethane	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U
Benzene	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U
trans-1,3-Dichloropropene	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U
Bromoform	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U
4-Methyl-2-Pentanone	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U
2-Hexanone	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U
Tetrachloroethene	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U
1,1,2,2-Tetrachloroethane	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U
Toluene	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U
Chlorobenzene	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U
Ethylbenzene	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U
Styrene	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U
Xylene (total)	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U
MTBE	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES									
2,4-D	56 U	60 U	54 U	63 U	58 U	55 U	56 U	58 U	57 U
2,4-DB	56 U	60 U	54 U	63 U	58 U	55 U	56 U	58 U	57 U
2,4,5-T	5.6 U	6 U	5.4 U	6.3 U	5.8 U	5.5 U	5.6 U	5.8 U	5.7 U
2,4,5-TP (SiveX)	5.6 U	6 U	5.4 U	6.3 U	5.8 U	5.5 U	5.6 U	5.8 U	5.7 U
Dalapon	140 U	150 U	130 U	150 U	140 U	130 U	140 U	140 U	140 U
Dicamba	5.6 U	6 U	5.4 U	6.3 U	5.8 U	5.5 U	5.6 U	5.8 U	5.7 U
Dicloroprop	56 U	60 U	54 U	63 U	58 U	55 U	56 U	58 U	57 U
Dinoseb	28 U	30 U	27 U	32 U	29 U	28 U	28 U	29 U	28 U
MCPA	5600 U	6000 U	5400 U	6300 U	5800 U	5500 U	5600 U	5800 U	5700 U
MCPP	5600 U	6000 U	5400 U	6300 U	5800 U	5500 U	5600 U	5800 U	5700 U
NITROAROMATICS									
HMX	NS	NS	NS	NS	NS	NS	NS	NS	NS
FDX	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trinitrobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dinitrobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetryl	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,6-Trinitrotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-amino-2,6-Dinitrotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-amino-4,6-Dinitrotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,6-Dinitrotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dinitrotoluene	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 8-10 12/08/93 SB13-3.1 206400	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 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 12-13 11/08/93 SB13-5.5 203822
COMPOUND UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
SEMIVOLATILE ORGANICS							
Phenol	400 U	360 U	380 U	360 U	370 U	380 U	370 U
bis(2-Chloroethyl) ether	400 U	360 U	410 U	360 U	370 U	380 U	370 U
2-Chlorophenol	400 U	360 U	410 U	360 U	370 U	380 U	370 U
1,3-Dichlorobenzene	400 U	360 U	410 U	360 U	370 U	380 U	370 U
1,4-Dichlorobenzene	400 U	360 U	410 U	360 U	370 U	380 U	370 U
1,2-Dichlorobenzene	400 U	360 U	410 U	360 U	370 U	380 U	370 U
2-Methylphenol	400 U	360 U	410 U	360 U	370 U	380 U	370 U
2,2'-oxybis(1-Chloropropane)	400 U	360 U	410 U	360 U	370 U	380 U	370 U
4-Methylphenol	400 U	360 U	410 U	360 U	370 U	380 U	370 U
N-Nitroso-di-n-propylamine	400 U	360 U	410 U	360 U	370 U	380 U	370 U
Hexachloroethane	400 U	360 U	410 U	360 U	370 U	380 U	370 U
Nitrobenzene	400 U	360 U	410 U	360 U	370 U	380 U	370 U
Isophorone	400 U	360 U	410 U	360 U	370 U	380 U	370 U
2-Nitrophenol	400 U	360 U	410 U	360 U	370 U	380 U	370 U
2,4-Dimethylphenol	400 U	360 U	410 U	360 U	370 U	380 U	370 U
bis(2-Chloroethoxy) methane	400 U	360 U	410 U	360 U	370 U	380 U	370 U
2,4-Dichlorophenol	400 U	360 U	410 U	360 U	370 U	380 U	370 U
1,2,4-Trichlorobenzene	400 U	360 U	410 U	360 U	370 U	380 U	370 U
Naphthalene	400 U	360 U	410 U	360 U	370 U	380 U	370 U
4-Chloroaniline	400 U	360 U	410 U	360 U	370 U	380 U	370 U
Hexachlorobutadiene	400 U	360 U	410 U	360 U	370 U	380 U	370 U
4-Chloro-3-methylphenol	400 U	360 U	410 U	360 U	370 U	380 U	370 U
2-Methylnaphthalene	400 U	360 U	410 U	360 U	370 U	380 U	370 U
Hexachlorocyclopentadiene	400 U	360 U	410 U	360 U	370 U	380 U	370 U
2,4,6-Trichlorophenol	960 U	870 U	1000 U	870 U	900 U	920 U	910 U
2,4,5-Trichlorophenol	960 U	870 U	1000 U	870 U	900 U	920 U	910 U
2-Chloronaphthalene	400 U	360 U	410 U	360 U	370 U	380 U	370 U
2-Nitroaniline	960 U	870 U	1000 U	870 U	900 U	920 U	910 U
Dimethylphthalate	400 U	360 U	410 U	360 U	370 U	380 U	370 U
Acenaphthylene	400 U	360 U	410 U	360 U	370 U	380 U	370 U
2,6-Dinitrotoluene	400 U	360 U	410 U	360 U	370 U	380 U	370 U
3-Nitroaniline	960 U	870 U	1000 U	870 U	900 U	920 U	910 U
Acenaphthene	400 U	360 U	410 U	360 U	370 U	380 U	370 U
2,4-Dinitrophenol	960 U	870 U	1000 U	870 U	900 U	920 U	910 U
4-Nitrophenol	960 U	870 U	1000 U	870 U	900 U	920 U	910 U
Dibenzofuran	400 U	360 U	410 U	360 U	370 U	380 U	370 U
2,4-Dinitrotoluene	400 U	360 U	410 U	360 U	370 U	380 U	370 U
Diethylphthalate	400 U	360 U	410 U	360 U	370 U	380 U	370 U
4-Chlorophenyl-phenylether	400 U	360 U	410 U	360 U	370 U	380 U	370 U
Fluorene	400 U	360 U	410 U	360 U	370 U	380 U	370 U
4-Nitroaniline	960 U	870 U	1000 U	870 U	900 U	920 U	910 U
4,6-Dinitro-2-methylphenol	960 U	870 U	1000 U	870 U	900 U	920 U	910 U
N-Nitrosodiphenylamine	400 U	360 U	410 U	360 U	370 U	380 U	370 U
4-Bromophenyl-phenylether	400 U	360 U	410 U	360 U	370 U	380 U	370 U
Hexachlorobenzene	960 U	870 U	1000 U	870 U	900 U	920 U	910 U
Pentachlorophenol	960 U	870 U	1000 U	870 U	900 U	920 U	910 U
Phenanthrene	400 U	360 U	410 U	360 U	370 U	380 U	370 U
Anthracene	400 U	360 U	410 U	360 U	370 U	380 U	370 U
Carbazole	400 U	360 U	410 U	360 U	370 U	380 U	370 U
Di-n-butylphthalate	400 U	360 U	410 U	360 U	370 U	380 U	370 U
Fluoranthene	400 U	360 U	410 U	360 U	370 U	380 U	370 U
Pyrene	400 U	360 U	410 U	360 U	370 U	380 U	370 U
Butybenzylphthalate	400 U	360 U	410 U	360 U	370 U	380 U	370 U
3,3'-Dichlorobenzidine	400 U	360 U	410 U	360 U	370 U	380 U	370 U
Benzo(a)anthracene	400 U	360 U	410 U	360 U	370 U	380 U	370 U
Chrysene	400 U	360 U	410 U	360 U	370 U	380 U	370 U
bis(2-Ethylhexyl)phthalate	400 U	360 U	410 U	360 U	370 U	380 U	370 U
Di-n-octylphthalate	400 U	360 U	410 U	360 U	370 U	380 U	370 U
Benzo(b)fluoranthene	400 U	360 U	410 U	360 U	370 U	380 U	370 U
Benzo(k)fluoranthene	400 U	360 U	410 U	360 U	370 U	380 U	370 U
Benzo(a)pyrene	400 U	360 U	410 U	360 U	370 U	380 U	370 U
Indeno(1,2,3-c)pyrene	400 U	360 U	410 U	360 U	370 U	380 U	370 U
Dibenzo(a,h)anthracene	400 U	360 U	410 U	360 U	370 U	380 U	370 U
Benzo(g,h,i)perylene	400 U	360 U	410 U	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 UNITS	SOIL SEAD-13 8-10 11/09/93 SB13-2.5RE 204005	SOIL SEAD-13 4-6 12/08/93 SB13-3.1 206401	SOIL SEAD-13 8-10 12/08/93 SB13-3.3 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	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	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	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	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	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	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	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	3.7 U	3.6 U	4.1 U	3.8 U	3.6 U	3.7 U	3.8 U	3.7 U
Dieldrin	ug/Kg	NS	4 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	3.6 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	3.6 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	3.6 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	3.6 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	3.6 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	20 U	18 U	21 U	20 U	18 U	19 U	20 U	19 U
Methoxychlor	ug/Kg	NS	4 U	3.6 U	4.1 U	3.8 U	3.6 U	3.7 U	3.8 U	3.7 U
Endrin ketone	ug/Kg	NS	4 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	3.6 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	1.8 U	2.1 U	2 U	1.8 U	1.9 U	2 U	1.9 U
gamma-Chlordane	ug/Kg	NS	2 U	1.8 U	2.1 U	2 U	1.8 U	1.9 U	2 U	1.9 U
Toxaphene	ug/Kg	NS	200 U	180 U	210 U	200 U	180 U	190 U	200 U	190 U
Aroclor-1016	ug/Kg	NS	37 U	36 U	41 U	38 U	36 U	37 U	38 U	37 U
Aroclor-1221	ug/Kg	NS	81 U	73 U	84 U	77 U	73 U	76 U	80 U	76 U
Aroclor-1232	ug/Kg	NS	40 U	36 U	41 U	38 U	36 U	37 U	38 U	37 U
Aroclor-1242	ug/Kg	NS	40 U	36 U	41 U	38 U	36 U	37 U	38 U	37 U
Aroclor-1248	ug/Kg	NS	40 U	36 U	41 U	38 U	36 U	37 U	38 U	37 U
Aroclor-1254	ug/Kg	NS	40 U	36 U	41 U	38 U	36 U	37 U	38 U	37 U
Aroclor-1260	ug/Kg	NS	40 U	36 U	41 U	38 U	36 U	37 U	38 U	37 U
METALS										
Aluminum	mg/Kg	NS	8720	13100	21200	15500	20400	13000	14000	8230
Antimony	mg/Kg	NS	4.1 J	4.1 U	4 U	4.5 J	3.2 U	7.8 U	9 U	8.3 U
Arsenic	mg/Kg	NS	6.7	6.5	8.1	6.8	9.6	4.6	6.3	4.7
Barium	mg/Kg	NS	54.3	137	129	96.9	79.1	56.7	98.6	132
Beryllium	mg/Kg	NS	0.43 J	0.39 U	0.38 U	0.78 J	0.31 U	0.63 J	0.63 J	0.4 J
Cadmium	mg/Kg	NS	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	64400	28800	68000	10200	21600	25700	86000
Chromium	mg/Kg	NS	17.1	20.7	30.2	25.8	35.8	25.4	23.3	14.8
Cobalt	mg/Kg	NS	10.2 J	8.8	10.6	12.4	12.1	13.1	8.8	9.9
Copper	mg/Kg	NS	23.4	23.7	21.6	21.1	26.5	31.2	26.4	26.5
Iron	mg/Kg	NS	18500	26400	31600	30100	42500	26600	24500	19600
Lead	mg/Kg	NS	10.6	14.1	13.6	13.6	7.1	21.3	12.8	8.3
Magnesium	mg/Kg	NS	25600	14300	8780	10800	9660	6740	8990	20700
Manganese	mg/Kg	NS	443	446	363	607	398	335	273	461
Mercury	mg/Kg	NS	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	27.1	34.4	36.1	43.2	53	46.1	36.8	29
Potassium	mg/Kg	NS	1230	1960	2130	1570	1810	1350	1630	1260
Selenium	mg/Kg	NS	0.14 U	0.64 J	0.53 J	0.2 J	0.28 J	0.56 U	0.26 J	0.59 J
Silver	mg/Kg	NS	0.88 U	0.79 U	0.77 U	0.69 U	0.83 U	0.99 U	1.1 U	1 U
Sodium	mg/Kg	NS	163 J	163 J	81.5 J	183 J	87.8 J	94.7 J	87 J	187 J
Thallium	mg/Kg	NS	0.91 J	0.75 J	0.22 U	0.2 U	0.18 U	0.27 U	0.27 U	0.19 U
Vanadium	mg/Kg	NS	17.1	19.3	35.8	23.1	30.7	20	23.7	15.1
Zinc	mg/Kg	NS	46.9	62.3	89.4	65.8	93	53.2	64.4	51.4
Cyanide	mg/Kg	NS	0.59 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	5.6	4.8	0.09	0.2	0.09	0.04	0.07	0.06
Total Solids	%W/W	NS	90	91.8	80.3	87	91.6	89	87.1	88.1
Total Petroleum Hydrocarbons	mg/Kg	NS	125	NS	64	91	2.2 U	56	124	193
Fluoride	mg/Kg	NS	170	142	NS	NS	NS	NS	NS	NS
PH	standard units	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	SOIL SEAD-13 12-13 11/09/93 SB13-5.5FRE 203822	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 206408	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	11 U	11 U	12 U	12 U	12 U	12 U	11 U	13 U
Bromomethane	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	13 U
Vinyl Chloride	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	13 U
Chloroethane	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	13 U
Methylene Chloride	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	13 U
Acetone	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	13 U
Carbon Disulfide	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	13 U
1,1-Dichloroethane	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	13 U
1,1-Dichloroethane	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	13 U
1,2-Dichloroethane (total)	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	13 U
Chloroform	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	13 U
1,2-Dichloroethane	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	13 U
2-Butanone	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	13 U
1,1,1-Trichloroethane	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	13 U
Carbon Tetrachloride	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	13 U
Bromodichloromethane	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	13 U
1,2-Dichloropropane	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	13 U
cis-1,3-Dichloropropene	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	13 U
Trichloroethene	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	13 U
Dibromochloromethane	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	13 U
1,1,2-Trichloroethane	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	13 U
Benzene	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	13 U
trans-1,3-Dichloropropene	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	13 U
Bromocloro	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	13 U
4-Methyl-2-Pentanone	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	13 U
2-Hexanone	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	13 U
Tetrachloroethene	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	13 U
1,1,2,2-Tetrachloroethane	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	13 U
Toluene	2 J	11 U	11 U	12 U	12 U	12 U	12 U	11 U	13 U
Chlorobenzene	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	13 U
Ethylbenzene	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	13 U
Styrene	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	13 U
Xylene (total)	11 U	11 U	11 U	12 U	12 U	12 U	12 U	11 U	13 U
MTBE	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES									
2,4-D	NS	63 U	63 U	59 U	59 U	59 U	61 U	56 U	67 U
2,4-DB	NS	63 U	63 U	59 U	59 U	59 U	61 U	56 U	67 U
2,4,5-T	NS	6.3 U	6.3 U	5.9 U	5.9 U	5.9 U	6.1 U	5.6 U	6.7 U
2,4,5-TP (SiveX)	NS	150 U	150 U	150 U	150 U	150 U	160 U	140 U	160 U
Dalapon	NS	6.3 U	6.3 U	5.9 U	5.9 U	5.9 U	6.1 U	5.6 U	6.7 U
Dicamba	NS	6.3 U	6.3 U	5.9 U	5.9 U	5.9 U	6.1 U	5.6 U	6.7 U
Dichloroprop	NS	32 U	32 U	30 U	30 U	30 U	31 U	28 U	34 U
Dinoseb	NS	6300 U	6300 U	5900 U	5900 U	5900 U	6100 U	5600 U	6700 U
MCPA	NS	6300 U	6300 U	5900 U	5900 U	5900 U	6100 U	5600 U	6700 U
MCPP	NS	6300 U	6300 U	5900 U	5900 U	5900 U	6100 U	5600 U	6700 U
NITROAROMATICS									
HMX	NS	NS	NS	NS	NS	NS	NS	NS	NS
RDX	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trinitrobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dinitrobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetryl	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,6-Trinitrotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-amino-2,6-Dinitrotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-amino-4,6-Dinitrotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,6-Dinitrotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dinitrotoluene	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	SOIL SEAD-13 12-13 11/08/93 SB13-5.5FRE 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 206408	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
SEMIVOLATILE ORGANICS										
Phenol	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
bis(2-Chloroethyl) ether	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
2-Chlorophenol	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
1,3-Dichlorobenzene	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
1,4-Dichlorobenzene	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
2,2-Dichlorobenzene	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
2-Methylphenol	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
2,2-oxybis(1-Chloropropane)	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
4-Methylphenol	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
N-Nitroso-di-n-propylamine	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Hexachloroethane	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Nitrobenzene	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Isophorone	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
2-Nitrophenol	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
2,4-Dimethylphenol	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
bis(2-Chloroethoxy) methane	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
2,4-Dichlorophenol	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
1,2,4-Trichlorobenzene	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Naphthalene	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
4-Chloroaniline	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Hexachlorobutadiene	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
4-Chloro-3-methylphenol	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
2-Methylnaphthalene	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Hexachlorocyclopentadiene	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
2,4,6-Trichlorophenol	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
2,4,5-Trichlorophenol	NS	980 U	860 U	860 U	950 U	950 U	NS	960 U	890 U	1100 U
2-Chloronaphthalene	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
2-Nitroaniline	NS	990 U	890 U	890 U	950 U	950 U	NS	960 U	890 U	1100 U
Dimethylphthalate	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Acenaphthylene	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
2,6-Dinitrotoluene	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
3-Nitroaniline	NS	990 U	890 U	890 U	950 U	950 U	NS	960 U	890 U	1100 U
Acenaphthene	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
2,4-Dinitrophenol	NS	990 U	890 U	890 U	950 U	950 U	NS	960 U	890 U	1100 U
4-Nitrophenol	NS	990 U	890 U	890 U	950 U	950 U	NS	960 U	890 U	1100 U
Dibenzofuran	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
2,4-Dinitrotoluene	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Diethylphthalate	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
4-Chlorophenyl-phenylether	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Fluorene	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
4-Nitroaniline	NS	990 U	890 U	890 U	950 U	950 U	NS	960 U	890 U	1100 U
4,6-Dinitro-2-methylphenol	NS	990 U	890 U	890 U	950 U	950 U	NS	960 U	890 U	1100 U
N-Nitrosodiphenylamine	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
4-Bromophenyl-phenylether	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Hexachlorobenzene	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Pentachlorophenol	NS	990 U	890 U	890 U	950 U	950 U	NS	960 U	890 U	1100 U
Phenanthrene	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Anthracene	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Carbazole	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Di-n-butylphthalate	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Fluoranthene	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Pyrene	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Butylbenzylphthalate	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
3,3'-Dichlorobenzidine	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Benzo(a)anthracene	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Chrysene	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
bis(2-Ethylhexyl)phthalate	NS	56 J	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Di-n-octylphthalate	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Benzobiphenylene	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Benzofluoranthene	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Benzzo(k)fluoranthene	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Indeno(1,2,3-cd)pyrene	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Dibenz(e,h)anthracene	NS	410 U	370 U	350 U	390 U	390 U	NS	400 U	370 U	440 U
Benzog(h,i)perylene	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

COMPOUND	MATRIX LOCATION DEPTH (FEET)	SOIL SEAD-13 SAMPLE DATE	SOIL SEAD-13	SOIL SEAD-13	SOIL SEAD-13	SOIL SEAD-13	SOIL SEAD-13	SOIL SEAD-13	SOIL SEAD-13	SOIL SEAD-13	SOIL SEAD-13
	ES ID	SB13-5.5RE	SB13-6.3	SB13-6.4	SB13-7.1	SB13-7.10RE	SB13-7.2	SB13-7.4	SB13-7.4	SB13-7.4	SB13-8.1
	LAB ID	203822	207027	207028	206405	206408	206406	206407	206407	206407	206409
	UNITS	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
PESTICIDES/PCB											
alpha-BHC	ug/Kg	1.9 U	1.8 U	1.8 U	2 U	2 U	2 U	1.9 U	1.9 U	1.9 U	2.3 U
beta-BHC	ug/Kg	1.9 U	1.8 U	1.8 U	2 U	2 U	2 U	1.9 U	1.9 U	1.9 U	2.3 U
delta-BHC	ug/Kg	1.9 U	1.8 U	1.8 U	2 U	2 U	2 U	1.9 U	1.9 U	1.9 U	2.3 U
gamma-BHC (Lindane)	ug/Kg	1.9 U	1.8 U	1.8 U	2 U	2 U	2 U	1.9 U	1.9 U	1.9 U	2.3 U
Heptachlor	ug/Kg	1.9 U	1.8 U	1.8 U	2 U	2 U	2 U	1.9 U	1.9 U	1.9 U	2.3 U
Aldrin	ug/Kg	1.9 U	1.8 U	1.8 U	2 U	2 U	2 U	1.9 U	1.9 U	1.9 U	2.3 U
Heptachlor epoxide	ug/Kg	1.9 U	1.8 U	1.8 U	2 U	2 U	2 U	1.9 U	1.9 U	1.9 U	2.3 U
Endosulfan I	ug/Kg	3.7 U	3.5 U	3.5 U	3.9 U	3.9 U	3.9 U	3.7 U	3.7 U	3.7 U	4.4 U
4,4'-DDE	ug/Kg	3.7 U	3.5 U	3.5 U	3.9 U	3.9 U	3.9 U	3.7 U	3.7 U	3.7 U	4.4 U
Endrin	ug/Kg	3.7 U	3.5 U	3.5 U	3.9 U	3.9 U	3.9 U	3.7 U	3.7 U	3.7 U	4.4 U
Endosulfan II	ug/Kg	3.7 U	3.5 U	3.5 U	3.9 U	3.9 U	3.9 U	3.7 U	3.7 U	3.7 U	4.4 U
4,4'-DDD	ug/Kg	3.7 U	3.5 U	3.5 U	3.9 U	3.9 U	3.9 U	3.7 U	3.7 U	3.7 U	4.4 U
Endosulfan sulfate	ug/Kg	3.7 U	3.5 U	3.5 U	3.9 U	3.9 U	3.9 U	3.7 U	3.7 U	3.7 U	4.4 U
4,4'-DDT	ug/Kg	3.7 U	3.5 U	3.5 U	3.9 U	3.9 U	3.9 U	3.7 U	3.7 U	3.7 U	4.4 U
Methoxychlor	ug/Kg	19 U	18 U	18 U	20 U	20 U	20 U	19 U	19 U	19 U	23 U
Endrin ketone	ug/Kg	3.7 U	3.5 U	3.5 U	3.9 U	3.9 U	3.9 U	3.7 U	3.7 U	3.7 U	4.4 U
Endrin aldehyde	ug/Kg	3.7 U	3.5 U	3.5 U	3.9 U	3.9 U	3.9 U	3.7 U	3.7 U	3.7 U	4.4 U
alpha-Chlordane	ug/Kg	1.9 U	1.8 U	1.8 U	2 U	2 U	2 U	1.9 U	1.9 U	1.9 U	2.3 U
gamma-Chlordane	ug/Kg	1.9 U	1.8 U	1.8 U	2 U	2 U	2 U	1.9 U	1.9 U	1.9 U	2.3 U
Toxaphene	ug/Kg	190 U	180 U	180 U	200 U	200 U	200 U	190 U	190 U	190 U	230 U
Aroclor-1016	ug/Kg	37 U	35 U	35 U	39 U	39 U	39 U	37 U	37 U	37 U	44 U
Aroclor-1221	ug/Kg	84 U	74 U	74 U	80 U	80 U	80 U	74 U	74 U	74 U	89 U
Aroclor-1232	ug/Kg	37 U	35 U	35 U	39 U	39 U	39 U	37 U	37 U	37 U	44 U
Aroclor-1242	ug/Kg	41 U	39 U	39 U	39 U	39 U	39 U	37 U	37 U	37 U	44 U
Aroclor-1248	ug/Kg	37 U	35 U	35 U	39 U	39 U	39 U	37 U	37 U	37 U	44 U
Aroclor-1254	ug/Kg	41 U	39 U	39 U	39 U	39 U	39 U	37 U	37 U	37 U	44 U
Aroclor-1260	ug/Kg	41 U	39 U	39 U	39 U	39 U	39 U	37 U	37 U	37 U	44 U
METALS											
Aluminum	mg/Kg	13500	10200	10200	9810	14900	14200	8490	15500	8490	15500
Antimony	mg/Kg	2.5 UJ	2.9 UJ	2.3	4.4 UJ	8.5	4.7 J	3.6 UJ	5.4 UJ	3.6 UJ	5.4 UJ
Arsenic	mg/Kg	2.7	2.3	2.3	10	8.2	8.2	5.9	8.2	5.9	8.2
Barium	mg/Kg	60.4	56.8	56.8	37.3 J	89.5	79.1	62.7	125	62.7	125
Beryllium	mg/Kg	0.71	0.58 J	0.58 J	0.43 J	0.79 J	0.7 J	0.42 J	0.95 J	0.42 J	0.95 J
Cadmium	mg/Kg	0.25 U	0.28 U	0.28 U	0.43 U	0.43 U	0.43 U	0.35 U	0.53 U	0.35 U	0.53 U
Calcium	mg/Kg	31800	45200	45200	25400	11000	33100	74800	6540	74800	6540
Chromium	mg/Kg	23.5	17.8	17.8	17.6	21.7	23	14.4	22	14.4	22
Cobalt	mg/Kg	10.6	15	15	9.9 J	8.8 J	13.1	11.5	8.1 U	11.5	8.1 U
Copper	mg/Kg	27.4	14.5	14.5	31.8	26.9	27.6	21.6	19.4	21.6	19.4
Iron	mg/Kg	26900	20700	20700	23000	24800	29500	18400	25500	18400	25500
Lead	mg/Kg	11.6	11.7	11.7	26.8	31.6	17.9	10.5	19	10.5	19
Magnesium	mg/Kg	3750	5220	5220	4600	4850	18400	466	4130	466	4130
Manganese	mg/Kg	934	508	508	313	266	518	358	358	358	358
Mercury	mg/Kg	0.01 U	0.01 U	0.01 U	0.05 J	0.08 J	0.03 J	0.02 U	0.06 J	0.02 U	0.06 J
Nickel	mg/Kg	22.7	41.9	33	38.7	31.9	38.1	34	24.7	34	24.7
Potassium	mg/Kg	120	1000	1000	1060	1950	1840	1150	1660	1150	1660
Selenium	mg/Kg	0.11 J	0.24 J	0.24 J	0.72 J	0.65 J	0.7 U	0.26 J	0.96 J	0.26 J	0.96 J
Silver	mg/Kg	0.62 U	0.49 U	0.49 U	0.86 U	0.86 U	0.89 U	0.7 U	1.1 U	0.7 U	1.1 U
Sodium	mg/Kg	61.9 J	116 J	116 J	86.3 J	77.2 J	108 J	148 J	63.9 J	148 J	63.9 J
Thallium	mg/Kg	0.18 U	0.23 U	0.23 U	0.55 J	0.47 J	0.78 J	0.62 J	0.3 J	0.62 J	0.3 J
Vanadium	mg/Kg	29.9	13.8	13.8	16.1	24.2	22.9	13.3	26.7	13.3	26.7
Zinc	mg/Kg	62.5	64.7	64.7	47.1	84.3	75.4	47.4	91.2	47.4	91.2
Cyanide	mg/Kg	0.6 U	0.51 U	0.51 U	0.58 U	0.57 U	0.59 U	0.54 U	0.58 U	0.54 U	0.58 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg	0.55	0.09	0.09	0.11	0.02	0.15	0.03	3.1	0.03	3.1
Total Solids	%W/W	80.5	93.4	93.4	83.8	85.1	82.5	90.5	74.6	90.5	74.6
Total Petroleum Hydrocarbons	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoride	mg/Kg	78	62	62	154	72	156	171	24	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

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE		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 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 6-8 12/17/93 SB13-10.4 207186
SEMIVOLATILE ORGANICS									
Phenol	ug/Kg	400 U	430 U	400 U	360 U	350 U	14000 J	370 LU	340 U
bis(2-Chloroethyl) ether	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
2-Chlorophenol	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
1,3-Dichlorobenzene	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
1,4-Dichlorobenzene	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
1,2-Dichlorobenzene	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
2-Methylphenol	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
4-Methylphenol	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
N-Nitroso-d-n-propylamine	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
Hexachloroethane	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
Nitrobenzene	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
Isophorone	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
2-Nitrophenol	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
4-Nitrophenol	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
bis(2-Chloroethoxy) methane	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
2,4-Dichlorophenol	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
1,2,4-Trichlorobenzene	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
Naphthalene	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
4-Chloroaniline	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
Hexachlorobutadiene	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
4-Chloro-3-methylphenol	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
2-Methylnaphthalene	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
Hexachlorocyclopentadiene	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
2,4,6-Trichlorophenol	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
2,4,5-Trichlorophenol	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
2-Chloronaphthalene	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
2-Nitroaniline	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
Dimethylphthalate	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
Acetylphenylene	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
2,6-Dinitrotoluene	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
3-Nitroaniline	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
Acenaphthene	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
2,4-Dinitrophenol	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
4-Nitrophenol	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
Dibenzofuran	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
2,4-Dinitrotoluene	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
Diethylphthalate	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
4-Chlorophenyl-phenylether	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
Fluorene	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
4-Nitroaniline	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
4,6-Dinitro-2-methylphenol	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
N-Nitrosodiphenylamine	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
4-Bromophenyl-phenylether	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
Hexachlorobenzene	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
Pentachlorophenol	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
Phenanthrene	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
Anthracene	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
Carbazole	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
Di-n-butyphthalate	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
Fluoranthene	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
Pyrene	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
Butylbenzylphthalate	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
3,3'-Dichlorobenzidine	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
Benzoc(a)anthracene	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
Chrysene	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
bis(2-Ethylhexyl)phthalate	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
Di-n-octylphthalate	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
Benzo(k)fluoranthene	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
Benzo(a)pyrene	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
Indeno(1,2,3-cd)pyrene	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
Dibenz(e,h)anthracene	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	340 U
Benzo(g,h,i)perylene	ug/Kg	360 U	430 U	400 U	360 U	350 U	3900 LU	370 LU	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 SB13-9.2 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 SB13-9.7RE 207031	SOIL SEAD-13 0-2 12/16/93 SB13-9.7RE 207031	SOIL SEAD-13 10-12 12/17/93 SB13-10.1 207183	SOIL SEAD-13 0-2 12/17/93 SB13-10.10 207188	SOIL SEAD-13 0-2 12/17/93 SB13-10.10 207188	SOIL SEAD-13 0-2 12/17/93 SB13-10.10 207188
COMPOUND	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
PESTICIDES/PCB									
alpha-BHC	ug/Kg	1.9 U	2.2 U	1.9 U	1.9 U	1.8 U	2.0 U	2.0 U	1.8 U
beta-BHC	ug/Kg	1.9 U	2.2 U	1.9 U	1.9 U	1.8 U	2.0 U	2.0 U	1.8 U
delta-BHC	ug/Kg	1.9 U	2.2 U	1.9 U	1.9 U	1.8 U	2.0 U	2.0 U	1.8 U
gamma-BHC (Lindane)	ug/Kg	1.9 U	2.2 U	1.9 U	1.9 U	1.8 U	2.0 U	2.0 U	1.8 U
Heptachlor	ug/Kg	1.9 U	2.2 U	1.9 U	1.9 U	1.8 U	2.0 U	2.0 U	1.8 U
Aldrin	ug/Kg	1.9 U	2.2 U	1.9 U	1.9 U	1.8 U	2.0 U	2.0 U	1.8 U
Heptachlor epoxide	ug/Kg	1.9 U	2.2 U	1.9 U	1.9 U	1.8 U	2.0 U	2.0 U	1.8 U
Endosulfan I	ug/Kg	3.6 U	4.3 U	3.7 U	3.7 U	3.5 U	3.8 U	3.9 U	3.6 U
4,4'-DDE	ug/Kg	3.6 U	4.3 U	3.7 U	3.7 U	3.5 U	3.8 U	3.9 U	3.6 U
Endrin	ug/Kg	3.6 U	4.3 U	3.7 U	3.7 U	3.5 U	3.8 U	3.9 U	3.6 U
Endosulfan II	ug/Kg	3.6 U	4.3 U	3.7 U	3.7 U	3.5 U	3.8 U	3.9 U	3.6 U
4,4'-DDD	ug/Kg	3.6 U	4.3 U	3.7 U	3.7 U	3.5 U	3.8 U	3.9 U	3.6 U
Endosulfan sulfate	ug/Kg	3.6 U	4.3 U	3.7 U	3.7 U	3.5 U	3.8 U	3.9 U	3.6 U
4,4'-DDT	ug/Kg	3.6 U	4.3 U	3.7 U	3.7 U	3.5 U	3.8 U	3.9 U	3.6 U
Methoxychlor	ug/Kg	20 U	22 U	19 U	19 U	18 U	20 U	20 U	18 U
Endrin ketone	ug/Kg	3.6 U	4.3 U	3.7 U	3.7 U	3.5 U	3.8 U	3.9 U	3.6 U
Endrin aldehyde	ug/Kg	3.6 U	4.3 U	3.7 U	3.7 U	3.5 U	3.8 U	3.9 U	3.6 U
alpha-Chlordane	ug/Kg	1.9 U	2.2 U	1.9 U	1.9 U	1.8 U	2.0 U	2.0 U	1.8 U
gamma-Chlordane	ug/Kg	1.9 U	2.2 U	1.9 U	1.9 U	1.8 U	2.0 U	2.0 U	1.8 U
Toxaphene	ug/Kg	190 U	220 U	180 U	180 U	170 U	200 U	200 U	180 U
Aroclor-1016	ug/Kg	40 U	43 U	37 U	37 U	35 U	38 U	39 U	36 U
Aroclor-1221	ug/Kg	74 U	88 U	75 U	75 U	72 U	84 U	84 U	72 U
Aroclor-1232	ug/Kg	36 U	43 U	37 U	37 U	35 U	38 U	39 U	36 U
Aroclor-1242	ug/Kg	36 U	43 U	37 U	37 U	35 U	38 U	39 U	36 U
Aroclor-1248	ug/Kg	36 U	43 U	37 U	37 U	35 U	38 U	39 U	36 U
Aroclor-1254	ug/Kg	36 U	43 U	37 U	37 U	35 U	38 U	39 U	36 U
Aroclor-1260	ug/Kg	36 U	43 U	37 U	37 U	35 U	38 U	39 U	36 U
METALS									
Aluminum	mg/Kg	18300	14200	12000	12000	13800	12100	18500	12100
Antimony	mg/Kg	5.7 J	4.6 U	8	8	5.5	4.4 U	5 J	3.7 U
Arsenic	mg/Kg	7.8	5.3	173	173	6.6	5.7	6.6	6.6
Barium	mg/Kg	119	105	191	191	173	72.2	157	174
Beryllium	mg/Kg	0.48 J	0.79 J	0.69 J	0.69 J	0.73 J	0.63 J	0.91 J	0.72 J
Cadmium	mg/Kg	0.54 U	0.39 U	0.47 U	0.47 U	0.42 U	0.48 U	0.48 U	0.36 U
Calcium	mg/Kg	76600	7980	98100	98100	78900	2070	4220	78900
Chromium	mg/Kg	32.4	20.2	21.2	21.2	24.6	16.2	27.2	20.1
Chromium	mg/Kg	18.9	7.9 J	13.8	13.8	10.4	4.3 J	8.2 J	17.8
Cobalt	mg/Kg	31.5	24.2	44	44	32.7	7.5 J	26.6 J	33.7
Copper	mg/Kg	19600	24300	25200	25200	26800	16500	29000	25800
Iron	mg/Kg	41100	14.4	14.4	14.4	10.4	9	11	14.8
Lead	mg/Kg	11.2	13.3	17700	17700	19800	6210	6210	16100
Magnesium	mg/Kg	19500	5250	532	532	396	104	204	708
Manganese	mg/Kg	380	473	0.02 J	0.02 J	0.02 J	0.03 J	0.03 J	0.02 J
Mercury	mg/Kg	0.02 J	0.04 J	45.9	45.9	40.9	14.1	32.6	57.1
Nickel	mg/Kg	31.4	28.5	2150	2150	2590	974 J	1500	1880
Potassium	mg/Kg	1590	975	0.52 J	0.52 J	0.47 J	0.29 J	0.32 J	0.45 J
Selenium	mg/Kg	1.4	1.4	0.93 U	0.93 U	0.84 U	0.85 U	0.95 U	0.72 U
Silver	mg/Kg	0.29 J	0.14 U	1.1 U	1.1 U	0.78 U	40 J	57 J	166 J
Sodium	mg/Kg	62 J	56 J	196 J	196 J	175 J	40 J	57 J	166 J
Sodium	mg/Kg	62 J	56 J	196 J	196 J	175 J	40 J	57 J	166 J
Thallium	mg/Kg	0.5 J	0.27 U	25.8	25.8	24.5	21.6	31.7	21.6
Vanadium	mg/Kg	15.8	34.8	73.5	73.5	98	40.7	68.7	92.8
Zinc	mg/Kg	103	56.9	0.54 U	0.54 U	0.51 U	0.49 U	0.59 U	0.48 U
Cyanide	mg/Kg	0.57 U	0.63 U						
OTHER ANALYSES									
Nitrate/Nitrite-Nitrogen	mg/Kg	0.31	0.03	0.04	0.04	0.04	0.33	0.5	0.17
Total Solids	%W/W	82.8	75.8	89.3	89.3	92.1	84.6	84.7	91.7
Total Petroleum Hydrocarbons	mg/Kg	47	78	89	89	72	75	34	28
Fluoride	mg/Kg	47	97	89	89	72	75	34	28
pH	standard units	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 8-10 12/18/93 SB13-10.5 207187	SOIL SEAD-13 8-10 12/18/93 SB13-10.5RE 207187
VOLATILE ORGANICS			
Chloromethane	ug/kg	10 U	10 UU
Bromomethane	ug/kg	10 U	10 UU
Vinyl Chloride	ug/kg	10 U	10 UU
Chloroethane	ug/kg	10 U	10 UU
Methylene Chloride	ug/kg	2 J	10 UU
Acetone	ug/kg	11 U	10 UU
Carbon Disulfide	ug/kg	10 U	10 UU
1,1-Dichloroethane	ug/kg	10 U	10 UU
1,1-Dichloroethane	ug/kg	10 U	10 UU
1,2-Dichloroethane (total)	ug/kg	10 U	10 UU
Chloroform	ug/kg	10 U	10 UU
1,2-Dichloroethane	ug/kg	10 U	10 UU
2-Butanone	ug/kg	10 U	10 UU
1,1,1-Trichloroethane	ug/kg	10 U	10 UU
Carbon Tetrachloride	ug/kg	10 U	10 UU
Bromodichloromethane	ug/kg	10 U	10 UU
1,2-Dichloropropane	ug/kg	10 U	10 UU
cis-1,3-Dichloropropene	ug/kg	10 U	10 UU
Trichloroethene	ug/kg	10 U	10 UU
Dibromochloromethane	ug/kg	10 U	10 UU
1,1,2-Trichloroethane	ug/kg	10 U	10 UU
Benzene	ug/kg	10 U	10 UU
trans-1,3-Dichloropropene	ug/kg	10 U	10 UU
Bromodorm	ug/kg	10 U	10 UU
4-Methyl-2-Pentanone	ug/kg	10 U	10 UU
2-Hexanone	ug/kg	10 U	10 UU
Tetrachloroethene	ug/kg	10 U	10 UU
1,1,2,2-Tetrachloroethane	ug/kg	10 U	10 UU
Toluene	ug/kg	10 U	10 UU
Chlorobenzene	ug/kg	10 U	10 UU
Ethylbenzene	ug/kg	10 U	10 UU
Styrene	ug/kg	10 U	10 UU
Xylene (total)	ug/kg	10 U	10 UU
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
Dialaon	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	SOIL SEAD-13 8-10 12/18/93 SB13-10.5 207187	SOIL SEAD-13 8-10 12/18/93 SB13-10.5 207187	UNITS
SEMIVOLATILE ORGANICS				
Phenol				ug/Kg
bis(2-Chloroethyl) ether				320 U
2-Chlorophenol				320 U
1,3-Dichlorobenzene				320 U
1,4-Dichlorobenzene				320 U
1,2-Dichlorobenzene				320 U
2-Methylphenol				320 U
2,2'-oxybis(1-Chloropropane)				320 U
4-Methylphenol				320 U
N-Nitroso-di-n-propylamine				320 U
Hexachloroethane				320 U
Nitrobenzene				320 U
Isophorone				320 U
2-Nitrophenol				320 U
2,4-Dimethylphenol				320 U
bis(2-Chloroethoxy) methane				320 U
2,4-Dichlorophenol				320 U
1,2,4-Trichlorobenzene				320 U
Naphthalene				320 U
4-Chloroaniline				320 U
Hexachlorobutadiene				320 U
4-Chloro-3-methylphenol				320 U
2-Methylnaphthalene				320 U
Hexachlorocyclopentadiene				320 U
2,4,6-Trichlorophenol				320 U
4,5-Trichlorophenol				790 U
2-Chloronaphthalene				320 U
2-Nitroaniline				790 U
Dimethylphthalate				320 U
Acenaphthylene				320 U
2,6-Dinitrotoluene				320 U
3-Nitroaniline				790 U
Acenaphthene				320 U
2,4-Dinitrophenol				790 U
4-Nitrophenol				320 U
Dibenzofuran				320 U
2,4-Dinitrotoluene				320 U
Diethylphthalate				320 U
4-Chlorophenyl-phenylether				320 U
Fluorene				320 U
4-Nitroaniline				790 U
4,6-Dinitro-2-methylphenol				790 U
N-Nitrosodiphenylamine				320 U
4-Bromophenyl-phenylether				320 U
Hexachlorobenzene				320 U
Pentachlorophenol				790 U
Phenanthrene				320 U
Anthracene				320 U
Carbazole				320 U
Di-n-butylphthalate				320 U
Fluoranthene				320 U
Pyrene				320 U
Butylbenzylphthalate				320 U
3,3'-Dichlorobenzidine				320 U
Benzo(a)anthracene				320 U
Chrysene				320 U
bis(2-Ethylhexyl)phthalate				320 U
Di-n-octylphthalate				320 U
Benzo(b)fluoranthene				320 U
Benzo(k)fluoranthene				320 U
Benzo(a)pyrene				320 U
Indeno(1,2,3-cd)pyrene				320 U
Dibenz(a,h)anthracene				320 U
Benzo(g,h,i)perylene				320 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 12/18/93 SB13-10.5 207187	SOIL SEAD-13 8-10 12/18/93 SB13-10.5 207187
PESTICIDES/PCB			
alpha-BHC	ug/Kg	NS	NS
beta-BHC	ug/Kg	NS	NS
delta-BHC	ug/Kg	NS	NS
gamma-BHC (Lindane)	ug/Kg	NS	NS
Heptachlor	ug/Kg	NS	NS
Aldrin	ug/Kg	NS	NS
Heptachlor epoxide	ug/Kg	NS	NS
Endosulfan I	ug/Kg	NS	NS
Dieldrin	ug/Kg	NS	NS
4,4'-DDE	ug/Kg	NS	NS
Endrin	ug/Kg	NS	NS
Endosulfan II	ug/Kg	NS	NS
4,4'-DDD	ug/Kg	NS	NS
Endosulfan sulfate	ug/Kg	NS	NS
4,4'-DDT	ug/Kg	NS	NS
Methoxychlor	ug/Kg	NS	NS
Endrin ketone	ug/Kg	NS	NS
Endrin aldehyde	ug/Kg	NS	NS
alpha-Chlordane	ug/Kg	NS	NS
gamma-Chlordane	ug/Kg	NS	NS
Toxaphene	ug/Kg	NS	NS
Aroclor-1016	ug/Kg	NS	NS
Aroclor-1221	ug/Kg	NS	NS
Aroclor-1232	ug/Kg	NS	NS
Aroclor-1242	ug/Kg	NS	NS
Aroclor-1248	ug/Kg	NS	NS
Aroclor-1254	ug/Kg	NS	NS
Aroclor-1260	ug/Kg	NS	NS
METALS			
Aluminum	mg/Kg	17100	NS
Antimony	mg/Kg	4.1 LU	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	27	NS
Fluoride	standard units		NS
pH			

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

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID	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 210486	WATER SEAD-13 02/04/94 MW13-6 210489 MW13-4DUP	WATER SEAD-13 02/05/94 MW13-5 210487	WATER SEAD-13 02/04/94 MW13-6 210488
	UNITS						
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 (total)	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
Chloroform	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
Bromotorm	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

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 210486	WATER SEAD-13 02/04/94 MW13-8 210489 MW13-4DUP	WATER SEAD-13 02/05/94 MW13-5 210487	WATER SEAD-13 02/04/94 MW13-6 210486
SEMIVOLATILE ORGANICS						
Phenol	11 U	11 U	10 U	NS	10 U	10 U
bis(2-Chloroethyl) ether	11 U	11 U	10 U	NS	10 U	10 U
2-Chlorophenol	11 U	11 U	10 U	NS	10 U	10 U
1,3-Dichlorobenzene	11 U	11 U	10 U	NS	10 U	10 U
1,4-Dichlorobenzene	11 U	11 U	10 U	NS	10 U	10 U
1,2-Dichlorobenzene	11 U	11 U	10 U	NS	10 U	10 U
2-Methylphenol	11 U	11 U	10 U	NS	10 U	10 U
2,2'-oxybis(1-Chloropropane)	11 U	11 U	10 U	NS	10 U	10 U
4-Methylphenol	11 U	11 U	10 U	NS	10 U	10 U
N-Nitroso-d-n-propylamine	11 U	11 U	10 U	NS	10 U	10 U
Hexachloroethane	11 U	11 U	10 U	NS	10 U	10 U
Nitrobenzene	11 U	11 U	10 U	NS	10 U	10 U
Isophorone	11 U	11 U	10 U	NS	10 U	10 U
2-Nitrophenol	11 U	11 U	10 U	NS	10 U	10 U
2,4-Dimethylphenol	11 U	11 U	10 U	NS	10 U	10 U
bis(2-Chloroethoxy) methane	11 U	11 U	10 U	NS	10 U	10 U
2,4-Dichlorophenol	11 U	11 U	10 U	NS	10 U	10 U
1,2,4-Trichlorobenzene	11 U	11 U	10 U	NS	10 U	10 U
Naphthalene	11 U	11 U	10 U	NS	10 U	10 U
4-Chloroaniline	11 U	11 U	10 U	NS	10 U	10 U
Hexachlorobutadiene	11 U	11 U	10 U	NS	10 U	10 U
4-Chloro-3-methylphenol	11 U	11 U	10 U	NS	10 U	10 U
2-Methylnaphthalene	11 U	11 U	10 U	NS	10 U	10 U
Hexachlorocyclopentadiene	11 U	11 U	10 U	NS	10 U	10 U
2,4,6-Trichlorophenol	11 U	11 U	10 U	NS	10 U	10 U
2,4,5-Trichlorophenol	27 U	26 U	25 U	NS	25 U	25 U
2-Chloronaphthalene	11 U	11 U	10 U	NS	10 U	10 U
2-Nitroaniline	11 U	11 U	10 U	NS	10 U	10 U
Dimethylphthalate	11 U	11 U	10 U	NS	10 U	10 U
Acenaphthylene	11 U	11 U	10 U	NS	10 U	10 U
2,6-Dinitrotoluene	11 U	11 U	10 U	NS	10 U	10 U
3-Nitroaniline	27 U	26 U	25 U	NS	25 U	25 U
Acenaphthene	11 U	11 U	10 U	NS	10 U	10 U
2,4-Dinitrophenol	27 U	26 U	25 U	NS	25 U	25 U
4-Nitrophenol	27 U	26 U	25 U	NS	25 U	25 U
Dibenzofuran	11 U	11 U	10 U	NS	10 U	10 U
2,4-Dinitrotoluene	11 U	11 U	10 U	NS	10 U	10 U
Diethylphthalate	11 U	11 U	10 U	NS	10 U	10 U
4-Chlorophenyl-phenylether	11 U	11 U	10 U	NS	10 U	10 U
Fluorene	11 U	11 U	10 U	NS	10 U	10 U
4-Nitroaniline	27 U	26 U	25 U	NS	25 U	25 U
4,6-Dinitro-2-methylphenol	27 U	26 U	25 U	NS	25 U	25 U
N-Nitrosodiphenylamine	11 U	11 U	10 U	NS	10 U	10 U
4-Bromophenyl-phenylether	11 U	11 U	10 U	NS	10 U	10 U
Hexachlorobenzene	11 U	11 U	10 U	NS	10 U	10 U
Pentachlorophenol	27 U	26 U	25 U	NS	25 U	25 U
Phenanthrene	11 U	11 U	10 U	NS	10 U	10 U
Anthracene	11 U	11 U	10 U	NS	10 U	10 U
Carbazole	11 U	11 U	10 U	NS	10 U	10 U
Di-n-butylphthalate	11 U	11 U	10 U	NS	10 U	10 U
Fluoranthene	11 U	11 U	10 U	NS	10 U	10 U
Pyrene	11 U	11 U	10 U	NS	10 U	10 U
Butylbenzylphthalate	11 U	11 U	10 U	NS	10 U	10 U
3,3'-Dichlorobenzidine	11 U	11 U	10 U	NS	10 U	10 U
Benzo(a)anthracene	11 U	11 U	10 U	NS	10 U	10 U
Chrysene	11 U	11 U	10 U	NS	10 U	10 U
bis(2-Ethylhexyl)phthalate	11 U	11 U	17	NS	23	10 U
Di-n-octylphthalate	11 U	11 U	10 U	NS	10 U	10 U
Benzo(b)fluoranthene	11 U	11 U	10 U	NS	10 U	10 U
Benzo(k)fluoranthene	11 U	11 U	10 U	NS	10 U	10 U
Benzo(a)pyrene	11 U	11 U	10 U	NS	10 U	10 U
Indeno(1,2,3-cd)pyrene	11 U	11 U	10 U	NS	10 U	10 U
Dibenz(a,h)anthracene	11 U	11 U	10 U	NS	10 U	10 U
Benzo(g,h,i)perylene	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 SAMPLE DATE	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
	ES ID LAB ID UNITS						
PESTICIDES/PCB							
alpha-BHC	ug/L	0.054 UJ	0.052 U	0.06 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	0.06 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	0.06 UJ	NS	0.058 U	0.054 U
Alrin	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	0.6 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-1016	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	89.6 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	287 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	186000	44900	NS	55300	51500
Manganese	ug/L	1120	342	299	NS	143	376
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	8.6 J
Potassium	ug/L	10100	8690	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	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	50.6
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	360	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

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
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
Bromolorm	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 (Sivex)	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 U	0.13 U
RDX	ug/L	0.13 U	0.13 U	0.13 U
1,3,5-Trinitrobenzene	ug/L	0.13 U	0.13 U	0.13 U
1,3-Dinitrobenzene	ug/L	0.13 U	0.13 U	0.13 U
Tetryl	ug/L	0.13 U	0.13 U	0.13 U
2,4,6-Trinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U
4-amino-2,6-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U
2-amino-4,6-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U
2,6-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U
2,4-Dinitrotoluene	ug/L	0.13 U	0.13 U	0.13 U

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

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

MATRIX LOCATION SAMPLE DATE	WATER SEAD-13 11/03/93 SW13-1 LAB ID 203410	WATER SEAD-13 11/03/93 SW13-2 LAB ID 203411	WATER SEAD-13 11/04/93 SW13-3 LAB ID 203412
SEMIVOLATILE ORGANICS			
Phenol	10 U	10 U	10 U
bis(2-Chloroethyl) ether	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U
2-Methylphenol	10 U	10 U	10 U
2,2-oxybis(1-Chloropropane)	10 U	10 U	10 U
4-Methylphenol	10 U	10 U	10 U
N-Nitroso-d-n-propylamine	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U
2-Nitrophenol	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U
bis(2-Chloroethoxy) methane	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U
1,2,4-Trichlorobenzene	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U
4-Chloroaniline	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U
2,4,5-Trichlorophenol	26 U	26 U	25 U
2-Chloronaphthalene	10 U	10 U	10 U
2-Nitroaniline	26 U	26 U	25 U
Dimethylphthalate	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U
3-Nitroaniline	28 U	28 U	25 U
Acenaphthene	10 U	10 U	10 U
2,4-Dinitrophenol	26 U	26 U	25 U
4-Nitrophenol	26 U	26 U	25 U
Dibenzofuran	10 U	10 U	10 U
2,4-Dinitrotoluene	10 U	10 U	10 U
Diethylphthalate	10 U	10 U	10 U
4-Chlorophenyl-phenylether	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U
4-Nitroaniline	10 U	10 U	10 U
4,6-Dinitro-2-methylphenol	26 U	26 U	25 U
N-Nitrosodiphenylamine	10 U	10 U	10 U
4-Bromophenyl-phenylether	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U
Pentachlorophenol	26 U	26 U	25 U
Phenanthrene	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U
Butylbenzylphthalate	10 U	10 U	10 U
3,3-Dichlorobenzidine	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U
Dibenz(a,h)anthracene	10 U	10 U	10 U
Benzo(g,h,i)perylene	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
Alrin	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
Endosulfan II	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 III	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	528 U	528 U	526 U
Arsenic	ug/L	1.2 U	1.2 U	1.2 U
Barium	ug/L	916 J	504 J	318 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 U	6.7 U	6.7 U
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 U	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	7.62	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
PESTICIDES/PCB					
alpha-BHC	ug/Kg	5 UU	3.9 UU	5.2 UU	4.2 UU
beta-BHC	ug/Kg	5 UU	3.9 UU	5.2 UU	4.2 UU
delta-BHC	ug/Kg	5 UU	3.9 UU	5.2 UU	4.2 UU
gamma-BHC (Lindane)	ug/Kg	5 UU	3.9 UU	5.2 UU	4.2 UU
Heptachlor	ug/Kg	5 UU	3.9 UU	5.2 UU	4.2 UU
Aldrin	ug/Kg	5 UU	3.9 UU	5.2 UU	4.2 UU
Heptachlor epoxide	ug/Kg	5 UU	3.9 UU	5.2 UU	4.2 UU
Endosulfan I	ug/Kg	5 UU	3.9 UU	5.2 UU	4.2 UU
Dieldrin	ug/Kg	9.6 UU	7.6 UU	10 UU	8.2 UU
4,4'-DDE	ug/Kg	9.6 UU	7.6 UU	10 UU	8.2 UU
Endrin	ug/Kg	9.6 UU	7.6 UU	10 UU	8.2 UU
Endosulfan II	ug/Kg	9.6 UU	7.6 UU	10 UU	8.2 UU
4,4'-DDD	ug/Kg	9.6 UU	7.6 UU	10 UU	8.2 UU
Endosulfan sulfate	ug/Kg	9.6 UU	7.6 UU	10 UU	8.2 UU
4,4'-DDT	ug/Kg	9.6 UU	7.6 UU	10 UU	8.2 UU
Meltoxichlor	ug/Kg	50 UU	39 UU	52 UU	42 UU
Endrin ketone	ug/Kg	9.6 UU	7.6 UU	10 UU	8.2 UU
Endrin aldehyde	ug/Kg	9.6 UU	7.6 UU	10 UU	8.2 UU
alpha-Chlordane	ug/Kg	5 UU	3.9 UU	5.2 UU	4.2 UU
gamma-Chlordane	ug/Kg	5 UU	3.9 UU	5.2 UU	4.2 UU
Toxaphene	ug/Kg	500 UU	390 UU	520 UU	420 UU
Aroclor-1016	ug/Kg	96 UU	76 UU	100 UU	82 UU
Aroclor-1221	ug/Kg	200 UU	150 UU	200 UU	170 UU
Aroclor-1232	ug/Kg	96 UU	76 UU	100 UU	82 UU
Aroclor-1242	ug/Kg	96 UU	76 UU	100 UU	82 UU
Aroclor-1248	ug/Kg	96 UU	76 UU	100 UU	82 UU
Aroclor-1254	ug/Kg	96 UU	76 UU	100 UU	82 UU
Aroclor-1260	ug/Kg	96 UU	76 UU	100 UU	82 UU
METALS					
Aluminum	mg/Kg	14500 J	18200 J	16900 J	17800 J
Antimony	mg/Kg	27.2 UU	20.6 UU	31.5 UU	21.2 UU
Arsenic	mg/Kg	4.2	4.3	2.2	3.7
Barium	mg/Kg	97.2 J	134 J	112 J	162 J
Beryllium	mg/Kg	0.67 J	0.95 J	0.77 J	1 J
Cadmium	mg/Kg	1.7 UU	1.3 UU	2 UU	1.3 UU
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	6.7 J	10.8 J	9.1 J	11.3 J
Copper	mg/Kg	16.5 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	4610 J	3980 J	4680 J
Manganese	mg/Kg	235 J	428 J	361 J	424 J
Mercury	mg/Kg	0.03 J	0.06 J	0.09 J	0.02 UU
Nickel	mg/Kg	24.6 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 UU	0.42 J
Silver	mg/Kg	3.4 UU	3.2 J	4 UU	2.7 UU
Sodium	mg/Kg	289 J	326 J	292 J	244 J
Thallium	mg/Kg	0.5 UU	0.35 UU	0.59 UU	0.3 UU
Vanadium	mg/Kg	26.3 J	33.6 J	31.5 J	31.8 J
Zinc	mg/Kg	91	111	105	93.2
Cyanide	mg/Kg	1.4 UU	1.1 UU	1.4 UU	1.1 UU
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	188	194	210	270
Fluoride	mg/Kg	188	194	210	270
pH	standard units	NS	NS	NS	NS

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

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	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 11/09/93 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
UNITS	ES ID	ES ID	ES ID	ES ID	ES ID	ES ID	ES ID	ES ID	ES ID	ES ID	ES ID
VOLATILE ORGANICS											
Chloroethane	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	11 U	10 U	53 U	10 U	11 U	11 U
Acetone	ug/Kg	11 U	12 U	11 U	11 U	11 U	10 U	53 U	10 U	11 U	11 U
Carbon Disulfide	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
1,1-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	10 U	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
Trichloroethane	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
Bromodorm	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	11 U	11 U	11 U	10 U	53 U	10 U	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	60 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-TF (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	5700 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
RDY	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
T-enyl	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,4,6-Trinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
4-amino-2,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2-amino-4,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,4-Dinitrotoluene	ug/Kg	320	500	1100	780 J	780 J	770	770	770	450 J	450 J

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

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

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-16 0-0.2 10/20/93 SS16-1	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
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Bis(2-Chloroethyl) ether	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
2-Chlorophenol	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
1,3-Dichlorobenzene	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
1,4-Dichlorobenzene	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
1,2-Dichlorobenzene	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
2-Methylphenol	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
2,2'-oxybis(1-Chloropropane)	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
4-Methylphenol	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
N-Nitroso-di-n-propylamine	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Hexachloroethane	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Nitrobenzene	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Isophorone	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
2-Nitrophenol	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
2,4-Dimethylphenol	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
bis[2-Chloroethoxy] methane	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
2,4-Dichlorophenol	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
1,2,4-Trichlorobenzene	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Naphthalene	ug/Kg 710 U R	320 J	750 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
4-Chloroaniline	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Hexachlorobutadiene	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
4-Chloro-3-methylphenol	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
2-Methylnaphthalene	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Hexachlorocyclopentadiene	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
2,4,6-Trichlorophenol	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
2,4,5-Trichlorophenol	ug/Kg 1700 U R	1000 U	1000 U	18000 U	34000 U	1800 U	34000 U	3100 U	4200 U	6600 U	4300 U
2-Chloronaphthalene	ug/Kg 1700 U R	1000 U	1000 U	18000 U	34000 U	1800 U	34000 U	3100 U	4200 U	6600 U	4300 U
N-Nitroaniline	ug/Kg 1700 U R	1000 U	1000 U	18000 U	34000 U	1800 U	34000 U	3100 U	4200 U	6600 U	4300 U
Dimethylphthalate	ug/Kg 70 J	65 J	7200 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Acenaphthylene	ug/Kg 180 J	410 U	7200 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
2,6-Dinitrotoluene	ug/Kg 1700 U R	1000 U	1000 U	18000 U	34000 U	1800 U	34000 U	3100 U	4200 U	6600 U	4300 U
3-Nitroaniline	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Acenaphthene	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
2,4-Dinitrophenol	ug/Kg 1700 U R	1000 U	1000 U	18000 U	34000 U	1800 U	34000 U	3100 U	4200 U	6600 U	4300 U
4-Nitrophenol	ug/Kg 1700 U R	1000 U	1000 U	18000 U	34000 U	1800 U	34000 U	3100 U	4200 U	6600 U	4300 U
Dibenzofuran	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
2,4-Dinitrotoluene	ug/Kg 2200 J	700 J	600 J	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Diethylphthalate	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
4-Chlorophenyl-phenylether	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Fluorene	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
4-Nitroaniline	ug/Kg 1700 U R	1000 U	1000 U	18000 U	34000 U	1800 U	34000 U	3100 U	4200 U	6600 U	4300 U
4,6-Dinitro-2-methylphenol	ug/Kg 680 J	150 J	7200 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
N-Nitrosodiphenylamine	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
4-Bromophenyl-phenylether	ug/Kg 1700 U R	1000 U	1000 U	18000 U	34000 U	1800 U	34000 U	3100 U	4200 U	6600 U	4300 U
Hexachlorobenzene	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Pentachlorophenol	ug/Kg 1700 U R	1000 U	1000 U	18000 U	34000 U	1800 U	34000 U	3100 U	4200 U	6600 U	4300 U
Phenanthrene	ug/Kg 140 J	420 J	7200 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Anthracene	ug/Kg 82 J	55 J	7200 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Carbazole	ug/Kg 1300 J	710 J	7200 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Di-n-butylphthalate	ug/Kg 470 J	980 J	7200 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Fluoranthene	ug/Kg 980 J	520 J	7200 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Pyrene	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Benzofuran	ug/Kg 420 J	260 J	7200 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Benzofurananthracene	ug/Kg 500 J	470 J	7200 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Benzofluoranthene	ug/Kg 480 J	310 J	7200 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Benzocyclopentanene	ug/Kg 560 J	300 J	7200 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Benzofluoranthene	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Benzofluoranthene	ug/Kg 710 U R	1100 U	410 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Indeno(1,2,3-cd)pyrene	ug/Kg 160 J	130 J	7200 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Dibenz(ah)anthracene	ug/Kg 160 J	130 J	7200 U	7200 U	14000 U	750 U	14000 U	1300 U	1800 U	2700 U	1800 U
Benzofluoranthene	ug/Kg 160 J	130 J	7200 U	7200 U	14000 U	750 U	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	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 10/20/93 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	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	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	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	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	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	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	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	1.8 UJ	2.1 U	2 UJ	19 U	9.7 U	1.8 UJ	1.8 U	3.6 U	1.8 UJ	1.8 UJ
Endosulfan II	ug/Kg	3.5 UJ	4.1 U	3.9 UJ	36 U	6.2 J	3.5 UJ	3.5 U	7 U	3.5 UJ	3.5 UJ
4,4'-DDE	ug/Kg	3.5 UJ	4.1 U	3.9 UJ	36 U	6.2 J	3.5 UJ	3.5 U	7 U	3.5 UJ	3.5 UJ
4,4'-DDD	ug/Kg	4.4 J	4.1 U	3.9 UJ	36 U	6.2 J	3.5 UJ	3.5 U	7 U	3.5 UJ	3.5 UJ
4,4'-DDT	ug/Kg	5 J	4.1 U	3.9 UJ	36 U	6.2 J	3.5 UJ	3.5 U	7 U	3.5 UJ	3.5 UJ
Methoxychlor	ug/Kg	3.5 UJ	4.1 U	3.9 UJ	36 U	6.2 J	3.5 UJ	3.5 U	7 U	3.5 UJ	3.5 UJ
Endrin	ug/Kg	18 UJ	2.1 U	20 UJ	180 U	9.7 U	1.8 UJ	1.8 U	3.6 U	1.8 UJ	1.8 UJ
alpha-Chlordane	ug/Kg	3.4 J	4.1 U	3.3 J	36 U	6.2 J	3.5 UJ	3.5 U	7 U	3.5 UJ	3.5 UJ
gamma-Chlordane	ug/Kg	1.8 UJ	2.1 U	4.7 J	19 U	9.7 U	1.8 UJ	1.8 U	3.6 U	1.8 UJ	1.8 UJ
Toxaphene	ug/Kg	180 UJ	2.1 U	4.7 J	19 U	9.7 U	1.8 UJ	1.8 U	3.6 U	1.8 UJ	1.8 UJ
Aroclor-1016	ug/Kg	35 UN	2.1 U	200 UJ	1800 U	9.7 U	1.8 UJ	1.8 U	3.6 U	1.8 UJ	1.8 UJ
Aroclor-1221	ug/Kg	72 UN	4.1 U	80 UJ	740 U	36 U	35 UJ	35 U	70 UN	36 UJ	36 UJ
Aroclor-1232	ug/Kg	35 UN	4.1 U	80 UJ	740 U	36 U	35 UJ	35 U	70 UN	36 UJ	36 UJ
Aroclor-1242	ug/Kg	35 UN	4.1 U	80 UJ	740 U	36 U	35 UJ	35 U	70 UN	36 UJ	36 UJ
Aroclor-1254	ug/Kg	30 UN	4.1 U	80 UJ	740 U	36 U	35 UJ	35 U	70 UN	36 UJ	36 UJ
Aroclor-1260	ug/Kg	35 UN	4.1 U	110 J	360 U	190 U	35 UJ	35 U	70 UN	36 UJ	36 UJ
METALS											
Aluminum	mg/Kg	6550	6940	7250	11900	13600	9650	8670	7600	10700	9720
Antimony	mg/Kg	17.1	55.6	121	26.3	27.3	7.9 U	8.8 U	8.2 U	7 U	6.6 U
Arsenic	mg/Kg	4.9	16.6	23.6	11.3	10.8	5.1	5.2	5.2	4.2 J	5.2 J
Barium	mg/Kg	102	1200	1540	227	630	45.1	41.2	72.2	53.6	33.6
Beryllium	mg/Kg	0.32 J	0.42 J	0.39 J	0.45 J	0.56 J	0.24 J	0.29 J	0.36 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	0.52 U	0.43 U	0.41 U
Calcium	mg/Kg	147000	11700	21400	55600	37100	25600	36600	107000	35400	13800
Chromium	mg/Kg	12.6	16.5	33.3	24	43.3	12.9	11.9	15.9	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	8.2	7.6
Copper	mg/Kg	44	911	1730	399	635	26.2	28.9	88.9	31.4 J	29 J
Iron	mg/Kg	12300	25900	25700	27700	36500	22100	20000	16700	22400	23200
Lead	mg/Kg	269	3780	9140	2940	2860	8.5	81.2	1890	76.2	16.1
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	0.99	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	29.3	22.4
Potassium	mg/Kg	1290	673 J	886	1250	1410	794 J	1150	1160	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	1.1 U	1.1 U	1.1 U	0.88 UJ	0.88 UJ	0.64 UJ
Sodium	mg/Kg	213 J	121 J	147 J	128 J	132 J	79.6 J	109 J	170 J	123 J	49.7 J
Thallium	mg/Kg	1.6 U	0.24 U	0.24 U	0.24 U	0.24 U	0.14 U	0.24 U	0.23 U	0.21 UJ	0.24 UJ
Titanium	mg/Kg	36.9	14.5	17.9	20.3	23.9	38.1	55.7	34.5	22.8	16.9
Vanadium	mg/Kg	249	475	929	416	562	65.8	66.1	105	78.8 J	65.6 J
Zinc	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
Cyanide	mg/Kg	0.05	0.05	0.26	0.45	0.5	0.42	0.05	0.23	0.01 U	0.07
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg	92.9	80.3	84.4	90.6	88.3	94.5	94.2	94.2	92.6	91.7
Total Solids	%W/W	NS	NS	NS	NS	NS	NS	NS	NS	NS	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

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID 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 SS16-13 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								
Chromethane ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Bromomethane ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Vinyl Chloride ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Chloroethane ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Methylene Chloride ug/Kg	3 J	3 J	3 J	3 J	3 J	3 J	3 J	3 J
Acetone ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Carbon Disulfide ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
1,1-Dichloroethane ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
1,1-Dichloroethane ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
1,2-Dichloroethane (total) ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Chloroform ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
1,2-Dichloroethane ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
2-Butanone ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
1,1,1-Trichloroethane ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Carbon Tetrachloride ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Bromodichloromethane ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
1,2-Dichloropropane ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
cis-1,3-Dichloropropene ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Trichloroethene ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Dibromochloromethane ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
1,1,2-Trichloroethane ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Benzene ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
trans-1,3-Dichloropropene ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Bromofom ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
4-Methyl-2-Pentanone ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
2-Hexanone ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Tetrachloroethene ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
1,1,2,2-Tetrachloroethane ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Toluene ug/Kg	1 J	1 J	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Ethylbenzene ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Styrene ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Xylene (total) ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
MTEB ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES								
2,4-D ug/Kg	67 U	57 U	NS	56 U	54 U	NS	56 U	NS
2,4-DB ug/Kg	67 U	57 U	NS	56 U	54 U	NS	56 U	NS
2,4,5-T ug/Kg	6.7 U	5.7 U	NS	8.3	5.4 U	NS	5.6 U	NS
2,4,5-TF (Silvex) ug/Kg	160 U	140 U	NS	140 U	130 U	NS	140 U	NS
Dalapon ug/Kg	6.7 U	5.7 U	NS	5.6 U	5.4 U	NS	5.6 U	NS
Dicamba ug/Kg	67 U	57 U	NS	56 U	54 U	NS	56 U	NS
Dinoseb ug/Kg	34 U	28 U	NS	28 U	27 U	NS	28 U	NS
MCPA ug/Kg	6700 U	5700 U	NS	5600 U	5400 U	NS	5600 U	NS
MCPP ug/Kg	6700 U	5700 U	NS	5600 U	5400 U	NS	5600 U	NS
NITROAROMATICS								
HMX ug/Kg	130 U	130 U	NS	130 U	130 U	NS	130 U	NS
RDX ug/Kg	130 U	130 U	NS	130 U	130 U	NS	130 U	NS
1,3,5-Trinitrobenzene ug/Kg	130 U	130 U	NS	130 U	130 U	NS	130 U	NS
1,3-Dinitrobenzene ug/Kg	130 U	130 U	NS	130 U	130 U	NS	130 U	NS
Tetryl ug/Kg	130 U	130 U	NS	130 U	130 U	NS	130 U	NS
2,4,6-Trinitrotoluene ug/Kg	130 U	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	130 U	NS	130 U	NS
2-amino-4,6-Dinitrotoluene ug/Kg	130 U	130 U	NS	130 U	130 U	NS	130 U	NS
2,6-Dinitrotoluene ug/Kg	130 U	130 U	NS	130 U	130 U	NS	130 U	NS
2,4-Dinitrotoluene ug/Kg	130 U	130 U	NS	1200	130 U	NS	130 U	NS

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

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	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 SS16-13 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 201894	SOIL SEAD-16 0-0.2 10/20/93 SS16-16RE 201894	SOIL SEAD-16 0-0.2 10/20/93 SS16-16RE 201894
SEMIVOLATILE ORGANICS									
Phend	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
bis(2-Chloroethyl) ether	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
2-Chlorophenol	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
1,3-Dichlorobenzene	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
1,4-Dichlorobenzene	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
1,2-Dichlorobenzene	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
2-Methylphenol	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
2,2'-oxybis(1-Chloropropane)	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
4-Methylphenol	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
N-Nitroso-d-n-propylamine	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
Hexachloroethane	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
Nitrobenzene	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
Isophorone	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
2-Nitrophenol	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
2,4-Dimethylphenol	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
bis(2-Chloroethyl) methane	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
2,4-Dichlorophenol	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
1,2,4-Trichlorobenzene	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
Naphthalene	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
4-Chloroaniline	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
Hexachlorobutadiene	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
4-Chloro-3-methylphenol	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
2-Methylnaphthalene	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
Hexachlorocyclopentadiene	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
2,4,6-Trichlorophenol	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
2-Chloronaphthalene	ug/Kg	1100 U	880 U	1800 U	890 U	860 U	4500 UU	4500 UU	4500 UU
2-Nitroaniline	ug/Kg	1100 U	880 U	1800 U	890 U	860 U	4500 UU	4500 UU	4500 UU
Dimethylphthalate	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
Aceacetylphenylene	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
2,6-Dinitrotoluene	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
3-Nitroaniline	ug/Kg	1100 U	880 U	1800 U	890 U	860 U	4500 UU	4500 UU	4500 UU
Aceacetylphenylene	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
2,4-Dinitrophenol	ug/Kg	1100 U	880 U	1800 U	890 U	860 U	4500 UU	4500 UU	4500 UU
4-Nitrophenol	ug/Kg	1100 U	880 U	1800 U	890 U	860 U	4500 UU	4500 UU	4500 UU
Dibenzodurene	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
2,4-Dinitrotoluene	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
Diethylphthalate	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
Fluorene	ug/Kg	1100 U	880 U	1800 U	890 U	860 U	4500 UU	4500 UU	4500 UU
4-Chlorophenyl-phenylether	ug/Kg	1100 U	880 U	1800 U	890 U	860 U	4500 UU	4500 UU	4500 UU
4-Nitroaniline	ug/Kg	22 J	360 U	43 J	17 J	350 U	1800 UU	1800 UU	1800 UU
4,6-Dinitro-2-methylphenol	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
N-Nitrosodiphenylamine	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
4-Bromophenyl-phenylether	ug/Kg	1100 U	880 U	1800 U	890 U	860 U	4500 UU	4500 UU	4500 UU
Hexachlorobenzene	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
Pentachlorophenol	ug/Kg	1100 U	880 U	1800 U	890 U	860 U	4500 UU	4500 UU	4500 UU
Phenanthrene	ug/Kg	130 J	45 J	81 J	36 J	25 J	4500 UU	4500 UU	4500 UU
Anthracene	ug/Kg	27 J	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
Carbazole	ug/Kg	22 J	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
Di-n-butylphthalate	ug/Kg	250 J	19 J	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
Fluoranthene	ug/Kg	200 J	83 J	120 J	68 J	23 J	4500 UU	4500 UU	4500 UU
Pyrene	ug/Kg	200 J	66 J	97 J	54 J	19 J	4500 UU	4500 UU	4500 UU
Bis(2-Ethoxy)phthalate	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
3,3'-Dichlorobenzidine	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
Benzofluoranthene	ug/Kg	110 J	31 J	45 J	26 J	16 J	4500 UU	4500 UU	4500 UU
Chrysene	ug/Kg	130 J	49 J	72 J	44 J	16 J	4500 UU	4500 UU	4500 UU
bis(2-Ethoxy)phthalate	ug/Kg	360 U	49 J	72 J	44 J	16 J	4500 UU	4500 UU	4500 UU
Di-n-octylphthalate	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
Benzofluoranthene	ug/Kg	100 J	31 J	45 J	26 J	16 J	4500 UU	4500 UU	4500 UU
Benzokjfluoranthene	ug/Kg	99 J	34 J	53 J	30 J	16 J	4500 UU	4500 UU	4500 UU
Benzofluoranthene	ug/Kg	99 J	34 J	53 J	30 J	16 J	4500 UU	4500 UU	4500 UU
Indeno(1,2,3-cd)pyrene	ug/Kg	30 J	27 J	40 J	24 J	16 J	4500 UU	4500 UU	4500 UU
Dibenz(ah)anthracene	ug/Kg	440 U	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU
Benzo(g,h,i)perylene	ug/Kg	62 J	360 U	750 U	370 U	350 U	1800 UU	1800 UU	1800 UU

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

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	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 SS16-13 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 SS16-16 201894	SOIL SEAD-16 0-0.2 10/20/93 SS16-16RE 201894
PESTICIDES/PCB								
alpha-BHC	ug/Kg	2.3 U	1.9 U	3.8 U	3.8 U	1.8 U	3.8 U	NS
beta-BHC	ug/Kg	2.3 U	1.9 U	NS	NS	1.8 U	NS	NS
delta-BHC	ug/Kg	2.3 U	1.9 U	NS	NS	1.8 U	NS	NS
gamma-BHC (Lindane)	ug/Kg	2.3 U	1.9 U	NS	NS	1.8 U	NS	NS
Heptachlor	ug/Kg	2.3 U	1.9 U	NS	NS	1.8 U	NS	NS
Aldrin	ug/Kg	2.3 U	1.9 U	NS	NS	1.8 U	NS	NS
Heptachlor epoxide	ug/Kg	2.3 U	1.6 J	NS	NS	1.8 U	NS	NS
Endosulfan I	ug/Kg	2.3 U	1.4 J	NS	NS	0.96 J	NS	NS
Endosulfan II	ug/Kg	4.4 U	3.6 U	NS	NS	3.5 U	NS	NS
4,4'-DDE	ug/Kg	15 J	38	NS	NS	28 J	NS	NS
Endrin	ug/Kg	4.4 U	3.6 U	NS	NS	3.5 U	NS	NS
Endosulfan II	ug/Kg	4.4 U	3.6 U	NS	NS	3.5 U	NS	NS
4,4'-DDD	ug/Kg	4.4 U	3.6 U	NS	NS	3.5 U	NS	NS
Endosulfan sulfate	ug/Kg	4.4 U	3.6 U	NS	NS	3.5 U	NS	NS
4,4'-DDT	ug/Kg	6.3 J	5	NS	NS	2.1 J	NS	NS
Methoxychlor	ug/Kg	2.3 U	1.9 U	NS	NS	1.8 U	NS	NS
Endrin ketone	ug/Kg	4.4 U	3.6 U	NS	NS	3.5 U	NS	NS
alpha-Chlordane	ug/Kg	6.5 J	3.6 U	NS	NS	3.8 U	NS	NS
gamma-Chlordane	ug/Kg	2.3 U	1.9 U	NS	NS	1.8 U	NS	NS
Toxaphene	ug/Kg	2.3 U	1.9 U	NS	NS	1.8 U	NS	NS
Aroclor-1016	ug/Kg	44 U	36 U	NS	NS	390 U	NS	NS
Aroclor-1221	ug/Kg	89 U	74 U	NS	NS	72 U	NS	NS
Aroclor-1232	ug/Kg	44 U	36 U	NS	NS	35 U	NS	NS
Aroclor-1242	ug/Kg	44 U	36 U	NS	NS	35 U	NS	NS
Aroclor-1248	ug/Kg	44 U	36 U	NS	NS	35 U	NS	NS
Aroclor-1254	ug/Kg	44 U	36 U	NS	NS	35 U	NS	NS
Aroclor-1260	ug/Kg	110	36 U	NS	NS	22 J	NS	NS
METALS								
Aluminum	mg/Kg	17200	10400	NS	7680	7510	6310	NS
Antimony	ug/Kg	13.9 U	8.6 U	NS	8.4	6.2 U	9 U	NS
Arsenic	ug/Kg	7.7	6.8	NS	9.9	4.8	3.8	NS
Barium	mg/Kg	195	52	NS	211	35.1	56.6	NS
Beryllium	ug/Kg	0.91 J	0.46 J	NS	0.41 J	0.34 J	0.37 J	NS
Cadmium	ug/Kg	0.87 U	0.41 U	NS	0.61 J	0.39 U	0.56 U	NS
Calcium	mg/Kg	9820	30300	NS	178000	26800	135000	NS
Chromium	mg/Kg	25.5	19.2	NS	14.4	15.6	14.1	NS
Chromium	ug/Kg	16.7	10.6	NS	8.2	8.1	10.4	NS
Cobalt	ug/Kg	199	54.8	NS	163	42.6	69.2	NS
Copper	mg/Kg	30800	22700	NS	16500	17500	11700	NS
Iron	mg/Kg	616	185	NS	720	210	643	NS
Lead	ug/Kg	5200	5630	NS	5990	4770	56000	NS
Magnesium	mg/Kg	706 J	329 J	NS	270 J	227 J	310 J	NS
Manganese	ug/Kg	0.73	0.24	NS	0.07 J	0.05 J	0.04 J	NS
Mercury	ug/Kg	35.2	39.5	NS	29.4	30.5	28.5	NS
Nickel	ug/Kg	35.2	39.5	NS	29.4	30.5	28.5	NS
Potassium	mg/Kg	1600	1080	NS	1100	802	2300	NS
Selenium	ug/Kg	0.24 UJ	0.25 J	NS	0.41 J	0.22 UJ	0.21 UJ	NS
Silver	ug/Kg	1.8 U	1 U	NS	0.93 U	0.79 U	1.1 U	NS
Sodium	mg/Kg	72.2 J	108 J	NS	176 J	90.1 J	240 J	NS
Sodium	ug/Kg	0.26 U	0.25 U	NS	0.14 U	0.24 U	0.23 U	NS
Titanium	mg/Kg	28.8	15	NS	13.4	10.8	61.9	NS
Vanadium	ug/Kg	1270	89	NS	104	68.6	93.8	NS
Zinc	mg/Kg	0.69 U	0.64 U	NS	0.64 U	0.63 U	0.67 U	NS
Cyanide	ug/Kg	0.69 U	0.64 U	NS	0.64 U	0.63 U	0.67 U	NS
OTHER ANALYSES								
Nitrate/Nitrite-Nitrogen	mg/Kg	0.23	0.04	NS	0.05	0.04	0.2	NS
Total Solids	%W/W	75	90.9	NS	90.5	93.4	88.9	NS
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-16 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

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

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

COMPOUND	MATRIX	LOCATON	DEPTH (FEET)	SOIL SEAD-16 ES ID	SOIL SEAD-16 FS16-1 206161	SOIL SEAD-16 FS16-2 206162	SOIL SEAD-16 FS16-3 206164	SOIL SEAD-16 FS16-4 206165	SOIL SEAD-16 FS16-5 206139	SOIL SEAD-16 FS16-6 206140	SOIL SEAD-16 FS16-6RE 206140	SOIL SEAD-16 FS16-7 206141	SOIL SEAD-16 FS16-7RE 206141
Phend	ug/Kg	81 J			37000	340 U	150 J				710 U		2600 U
bis(2-Chloroethyl) ether	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
2-Chlorophend	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
1,3-Dichlorobenzene	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
1,4-Dichlorobenzene	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
1,2-Dichlorobenzene	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
2-Methylphenend	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
2,2-oxybis(1-Chloropropane)	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
4-Methylphenend	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
N-Nitroso-di-n-propylamine	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
Hexachloroethane	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
Nitrobenzene	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
Isophorone	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
2,4-Dimethylphenend	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
bis(2-Chloroethoxy) methane	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
2,4-Dichlorophend	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
1,2,4-Trichlorobenzene	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
Naphthalene	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
4-Chloroaniline	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
Hexachlorobutadiene	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
4-Chloro-3-methylphenol	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
2-Methylphtalate	ug/Kg	25 J	18000	21 J	18000	21 J	49 J	37 J	40 J	37 J	40 J	37 J	40 J
Hexachlorocyclopentadiene	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
2,4,6-Trichlorophend	ug/Kg	880 U	14000 U	830 U	14000 U	830 U	1500 U	1500 U	920 U	1700 U	1700 U	1700 U	6200 U
2,4,5-Trichlorophend	ug/Kg	880 U	14000 U	830 U	14000 U	830 U	1500 U	1500 U	920 U	1700 U	1700 U	1700 U	6200 U
2-Chloronaphthalene	ug/Kg	880 U	14000 U	830 U	14000 U	830 U	1500 U	1500 U	920 U	1700 U	1700 U	1700 U	6200 U
2-Nitroaniline	ug/Kg	880 U	14000 U	830 U	14000 U	830 U	1500 U	1500 U	920 U	1700 U	1700 U	1700 U	6200 U
Dimethylphtalate	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
Acenaphthylene	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
2,6-Dinitrotoluene	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
3-Nitroaniline	ug/Kg	880 U	14000 U	830 U	14000 U	830 U	1500 U	1500 U	920 U	1700 U	1700 U	1700 U	6200 U
Acenaphthene	ug/Kg	25 J	14000 U	23 J	14000 U	23 J	48 J	36 J	40 J	36 J	40 J	36 J	40 J
2,4-Dinitrophenend	ug/Kg	880 U	14000 U	830 U	14000 U	830 U	1500 U	1500 U	920 U	1700 U	1700 U	1700 U	6200 U
4-Nitrophenend	ug/Kg	880 U	14000 U	830 U	14000 U	830 U	1500 U	1500 U	920 U	1700 U	1700 U	1700 U	6200 U
Dibenzofuran	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
2,4-Dinitrotoluene	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
Diethylphtalate	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
4-Chlorophenyl-phenylether	ug/Kg	25 J	530 J	25 J	530 J	25 J	530 J	500 J	2700	5000 J	5000 J	5000 J	2600 U
Fluorene	ug/Kg	880 U	14000 U	830 U	14000 U	830 U	1500 U	1500 U	920 U	1700 U	1700 U	1700 U	6200 U
4-Nitroaniline	ug/Kg	880 U	14000 U	830 U	14000 U	830 U	1500 U	1500 U	920 U	1700 U	1700 U	1700 U	6200 U
4,6-Dinitro-2-methylphenol	ug/Kg	880 U	14000 U	830 U	14000 U	830 U	1500 U	1500 U	920 U	1700 U	1700 U	1700 U	6200 U
N-Nitrosodiphenylamine	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
4-Bromophenyl-phenylether	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
Hexachlorobenzene	ug/Kg	880 U	14000 U	830 U	14000 U	830 U	1500 U	1500 U	920 U	1700 U	1700 U	1700 U	6200 U
Pentachlorophend	ug/Kg	880 U	14000 U	830 U	14000 U	830 U	1500 U	1500 U	920 U	1700 U	1700 U	1700 U	6200 U
Phenanthrene	ug/Kg	130 J	22000	110 J	22000	110 J	88 J	88 J	88 J	88 J	88 J	88 J	88 J
Anthracene	ug/Kg	22 J	2900 J	22 J	2900 J	22 J	44 J	44 J	44 J	44 J	44 J	44 J	44 J
Carbazole	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
Di-n-butylphtalate	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
Fluoranthene	ug/Kg	200 J	5000 J	200 J	5000 J	200 J	80 J	80 J	80 J	80 J	80 J	80 J	80 J
Pyrene	ug/Kg	81 J	1000 J	81 J	1000 J	81 J	160 J	160 J	160 J	160 J	160 J	160 J	160 J
Bis(2-Ethylhexyl)phtalate	ug/Kg	110 U	1400 U	110 U	1400 U	110 U	220 U	220 U	220 U	220 U	220 U	220 U	220 U
Bis(2-n-octylphtalate	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
Benzobifluoranthene	ug/Kg	91 J	75 J	91 J	75 J	91 J	180 J	180 J	180 J	180 J	180 J	180 J	180 J
Benzok(a)pyrene	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
Indeno(1,2,3-cd)pyrene	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
Dibenz(a,h)anthracene	ug/Kg	360 U	5700 U	340 U	5700 U	340 U	620 U	620 U	380 U	710 U	710 U	710 U	2600 U
Benzog(i,h)perylene	ug/Kg	870 J	870 J	870 J	870 J	870 J	870 J	870 J	870 J	870 J	870 J	870 J	870 J

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

COMPOUND	MATRIX LOCATION DEPTH (FEET)	SOIL SEAD-16		SOIL SEAD-16		SOIL SEAD-16		SOIL SEAD-16		SOIL SEAD-16		SOIL SEAD-16	
		ES ID	LAB ID	ES ID	LAB ID	ES ID	LAB ID	ES ID	LAB ID	ES ID	LAB ID	ES ID	LAB ID
PESTICIDES/PCB													
alpha-BHC	ug/Kg	19 U	4.7 U	12/06/93 FS16-3 206164	12/06/93 FS16-4 206165	12/06/93 FS16-5 206139	12/06/93 FS16-6 206140	12/06/93 FS16-6RE 206140	12/06/93 FS16-7 206141	12/06/93 FS16-7RE 206141	NS	NS	
beta-BHC	ug/Kg	1.8 U	4.7 U								NS	NS	
delta-BHC	ug/Kg	1.8 U	4.7 U								NS	NS	
gamma-BHC (Lindane)	ug/Kg	0.93 J	4.7 U								NS	NS	
Heptachlor	ug/Kg	1.9 U	4.7 U								NS	NS	
Aldrin	ug/Kg	1.9 U	4.7 U								NS	NS	
Heptachlor epoxide	ug/Kg	1.9 U	4.7 U								NS	NS	
Endosulfan I	ug/Kg	1.9 U	4.7 U								NS	NS	
Endosulfan II	ug/Kg	4.2 J	9.2 U								NS	NS	
4,4'-DDE	ug/Kg	13 J	17 J								NS	NS	
Endrin	ug/Kg	3.6 U	9.2 J								NS	NS	
Endosulfan II	ug/Kg	3.4 U	12 U								NS	NS	
4,4'-DDD	ug/Kg	3.4 J	5.7 J								NS	NS	
Endosulfan sulfate	ug/Kg	3.1 J	5.2 J								NS	NS	
4,4'-DDT	ug/Kg	3.0 U	3.4 U								NS	NS	
Methoxychlor	ug/Kg	6.1 J	6.1 J								NS	NS	
Endrin ketone	ug/Kg	1.9 U	4.7 U								NS	NS	
Endrin aldehyde	ug/Kg	3.6 U	9.2 U								NS	NS	
alpha-Chlordane	ug/Kg	3.5 U	9.2 U								NS	NS	
gamma-Chlordane	ug/Kg	1.2 J	3.6 J								NS	NS	
Toxaphene	ug/Kg	1.9 U	4.7 U								NS	NS	
Aroclor-1016	ug/Kg	190 U	640 U								NS	NS	
Aroclor-1221	ug/Kg	36 U	92 U								NS	NS	
Aroclor-1223	ug/Kg	74 U	190 U								NS	NS	
Aroclor-1242	ug/Kg	36 U	92 U								NS	NS	
Aroclor-1248	ug/Kg	36 U	92 U								NS	NS	
Aroclor-1254	ug/Kg	36 J	92 U								NS	NS	
Aroclor-1280	ug/Kg	37	97								NS	NS	
METALS													
Aluminum	mg/Kg	9540	6610								NS	NS	
Antimony	mg/Kg	4.6 U	11.9 J								NS	NS	
Arsenic	mg/Kg	3.4	26.9								NS	NS	
Barium	mg/Kg	145	6950								NS	NS	
Beryllium	mg/Kg	0.51 J	0.08 U								NS	NS	
Cadmium	mg/Kg	22.2	36.8								NS	NS	
Calcium	mg/Kg	19600	21200								NS	NS	
Chromium	mg/Kg	15.8	33.2								NS	NS	
Cobalt	mg/Kg	15	9.7 J								NS	NS	
Copper	mg/Kg	211 J	81400 J								NS	NS	
Iron	mg/Kg	19700	49300								NS	NS	
Lead	mg/Kg	810	437000								NS	NS	
Magnesium	mg/Kg	4850	16400								NS	NS	
Manganese	mg/Kg	488 J	394 J								NS	NS	
Mercury	mg/Kg	0.81	39.3								NS	NS	
Nickel	mg/Kg	21.1	119								NS	NS	
Potassium	mg/Kg	10500	1570								NS	NS	
Selenium	mg/Kg	5.9 J	1.3 UJ								NS	NS	
Silver	mg/Kg	0.9 U	22.7								NS	NS	
Sodium	mg/Kg	3690	152 J								NS	NS	
Titanium	mg/Kg	0.38 J	1.4 J								NS	NS	
Vanadium	mg/Kg	17.7	6.2 J								NS	NS	
Zinc	mg/Kg	715 J	12400 J								NS	NS	
Cyanide	mg/Kg	1.1	0.74 U								NS	NS	
OTHER ANALYSES													
Nitrate/Nitrite-Nitrogen	mg/Kg	151	0.21								NS	NS	
Total Solids	%W/W	90.7	72.4								NS	NS	
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-16 EXPANDED SITE INSPECTION
 SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-16	SOIL SEAD-16	UNITS
VOLATILE ORGANICS				
Chloromethane	ug/Kg	21 UJ	12/06/93	NS
Bromomethane	ug/Kg	21 UJ	FS16-8	NS
Vinyl Chloride	ug/Kg	21 UJ	206142	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
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
Bromofom	ug/Kg	21 UJ		NS
4-Methyl-2-Pentanone	ug/Kg	21 UJ		NS
2-Hexanone	ug/Kg	21 UJ		NS
Tetrahydroethene	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
Dicloroprop	ug/Kg	120 UJ		NS
Dinoseb	ug/Kg	58 UJ		NS
MCPA	ug/Kg	12000 UJ		NS
MOPP	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 DEPTH (FEET) SAMPLE DATE	SEAD-16	SEAD-16
	ES ID	FS16-8	FS16-8
	LAB ID	206142	206142
	UNITS		
SEMIVOLATILE ORGANICS			
Phend	ug/kg	5100 UU	5100 UU
bis(2-Chloroethyl) ether	ug/kg	5100 UU	5100 UU
2-Chlorophend	ug/kg	5100 UU	5100 UU
1,3-Dichlorobenzene	ug/kg	5100 UU	5100 UU
1,4-Dichlorobenzene	ug/kg	5100 UU	5100 UU
2-Methylphend	ug/kg	5100 UU	5100 UU
2,2'-oxybis(1-Chloropropane)	ug/kg	5100 UU	5100 UU
4-Methylphend	ug/kg	5100 UU	5100 UU
N-Nitroso-di-n-propylamine	ug/kg	5100 UU	5100 UU
Hexachloroethane	ug/kg	5100 UU	5100 UU
Nitrobenzene	ug/kg	5100 UU	5100 UU
Isophorone	ug/kg	5100 UU	5100 UU
2-Nitrophenol	ug/kg	5100 UU	5100 UU
2,4-Dimethylphend	ug/kg	5100 UU	5100 UU
bis(2-Chloroethoxy) methane	ug/kg	5100 UU	5100 UU
2,4-Dichlorophenol	ug/kg	5100 UU	5100 UU
1,2,4-Trichlorobenzene	ug/kg	5100 UU	5100 UU
Naphthalene	ug/kg	5100 UU	5100 UU
4-Chloroaniline	ug/kg	5100 UU	5100 UU
Hexachlorobutadiene	ug/kg	5100 UU	5100 UU
4-Chloro-3-methylphenol	ug/kg	5100 UU	5100 UU
2-Methylnaphthalene	ug/kg	5100 UU	5100 UU
Hexachlorocyclopentadiene	ug/kg	5100 UU	5100 UU
2,4,6-Trichlorophenol	ug/kg	5100 UU	5100 UU
2,4,5-Trichlorophenol	ug/kg	12000 UU	12000 UU
2-Chloronaphthalene	ug/kg	5100 UU	5100 UU
2-Nitroaniline	ug/kg	12000 UU	12000 UU
Dimethylphthalate	ug/kg	5100 UU	5100 UU
Acenaphthylene	ug/kg	5100 UU	5100 UU
2,6-Dinitrotoluene	ug/kg	5100 UU	5100 UU
3-Nitroaniline	ug/kg	12000 UU	12000 UU
Acenaphthene	ug/kg	5100 UU	5100 UU
2,4-Dinitrophenol	ug/kg	12000 UU	12000 UU
4-Nitrophenol	ug/kg	12000 UU	12000 UU
Dibenzofuran	ug/kg	5100 UU	5100 UU
2,4-Dinitrotoluene	ug/kg	5100 UU	5100 UU
Diethylphthalate	ug/kg	5100 UU	5100 UU
4-Chlorophenyl-phenylether	ug/kg	5100 UU	5100 UU
Fluorene	ug/kg	5100 UU	5100 UU
4-Nitroaniline	ug/kg	12000 UU	12000 UU
4,6-Dinitro-2-methylphenol	ug/kg	12000 UU	12000 UU
N-Nitrosodiphenylamine	ug/kg	5100 UU	5100 UU
4-Bromophenyl-phenylether	ug/kg	5100 UU	5100 UU
Hexachlorobenzene	ug/kg	5100 UU	5100 UU
Pentachlorophenol	ug/kg	12000 UU	12000 UU
Phenanthrene	ug/kg	360 J	1400 J
Anthracene	ug/kg	5100 UU	300 J
Carbazole	ug/kg	5100 UU	5100 UU
Di-n-butylphthalate	ug/kg	530 J	5100 UU
Fluoranthene	ug/kg	630 J	3200 J
Pyrene	ug/kg	720 J	2300 J
Buylbenzylphthalate	ug/kg	310 J	5100 UU
3,3'-Dichlorobenzidine	ug/kg	5100 UU	5100 UU
Benzol(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 UU	5100 UU
Benzofluoranthene	ug/kg	750 J	1200 J
Benzok(a)luoranthene	ug/kg	630 J	1000 J
Benzol(a)pyrene	ug/kg	400 J	1000 J
Indeno(1,2,3-cd)pyrene	ug/kg	5100 UU	360 J
Dibenz(a,h)anthracene	ug/kg	5100 UU	5100 UU
Benzol(g,h,i)perylene	ug/kg	5100 UU	580 J

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

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-16 12/06/93 FS16-8 206142	SOIL SEAD-16 12/06/93 FS16-8 206142	SOIL SEAD-16 12/06/93 FS16-8RE 206142
	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-1016	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-1246	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	NS
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		NS
Silver	mg/Kg	1.7 UJ	R	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
Fluoride	mg/Kg			NS
pH	standard units			NS

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

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	10 U	10 U	10 U	10 U	NS
Bromomethane	10 U	10 U	10 U	10 U	NS
Vinyl Chloride	10 U	10 U	10 U	10 U	NS
Chloroethane	10 U	10 U	10 U	10 U	NS
Methylene Chloride	10 U	10 U	10 U	10 U	NS
Acetone	10 U	10 U	10 U	10 U	NS
Carbon Disulfide	10 U	10 U	10 U	10 U	NS
1,1-Dichloroethane	10 U	10 U	10 U	10 U	NS
1,1-Dichloroethane	10 U	10 U	10 U	10 U	NS
1,2-Dichloroethane (total)	10 U	10 U	10 U	10 U	NS
Chloroform	10 U	10 U	10 U	10 U	NS
1,2-Dichloroethane	10 U	10 U	10 U	10 U	NS
2-Butanone	10 U	10 U	10 U	10 U	NS
1,1,1-Trichloroethane	10 U	10 U	10 U	10 U	NS
Carbon Tetrachloride	10 U	10 U	10 U	10 U	NS
Bromodichloromethane	10 U	10 U	10 U	10 U	NS
1,2-Dichloropropane	10 U	10 U	10 U	10 U	NS
cis-1,3-Dichloropropene	10 U	10 U	10 U	10 U	NS
Trichloroethene	10 U	10 U	10 U	10 U	NS
Dibromochloromethane	10 U	10 U	10 U	10 U	NS
1,1,2-Trichloroethane	10 U	10 U	10 U	10 U	NS
Benzene	10 U	10 U	10 U	10 U	NS
trans-1,3-Dichloropropene	10 U	10 U	10 U	10 U	NS
Bromoform	10 U	10 U	10 U	10 U	NS
4-Methyl-2-Pentanone	10 U	10 U	10 U	10 U	NS
2-Hexanone	10 U	10 U	10 U	10 U	NS
Tetrachloroethene	10 U	10 U	10 U	10 U	NS
1,1,2,2-Tetrachloroethane	10 U	10 U	10 U	10 U	NS
Toluene	10 U	10 U	10 U	10 U	NS
Chlorobenzene	10 U	10 U	10 U	10 U	NS
Ethylbenzene	10 U	10 U	10 U	10 U	NS
Styrene	10 U	10 U	10 U	10 U	NS
Xylene (total)	10 U	10 U	10 U	10 U	NS
MTBE	NS	NS	NS	NS	NS
HERBICIDES					
2,4-D	1.1 U	1.2 U	1.2 U	1.1 U	NS
2,4-DB	1.1 U	1.2 U	1.2 U	1.1 U	NS
2,4,5-T	0.11 U	0.12 U	0.12 U	0.11 U	NS
2,4,5-TP (Silvex)	0.11 U	0.12 U	0.12 U	0.11 U	NS
Dialaon	2.5 U	2.6 U	2.6 U	2.5 U	NS
Dicamba	0.11 U	0.12 U	0.12 U	0.11 U	NS
Dichloroprop	1.1 U	1.2 U	1.2 U	1.1 U	NS
Dinoseb	0.54 U	0.57 U	0.56 U	0.54 U	NS
MCPA	110 U	120 U	120 U	110 U	NS
MCPP	110 U	120 U	120 U	110 U	NS
NITROAROMATICS					
HMX	0.13 U	0.13 U	0.13 U	0.13 U	NS
RDX	0.13 U	0.13 U	0.13 U	0.13 U	NS
1,3,5-Trinitrobenzene	0.13 U	0.13 U	0.13 U	0.13 U	NS
1,3-Dinitrobenzene	0.13 U	0.13 U	0.13 U	0.13 U	NS
Tetryl	0.13 U	0.13 U	0.13 U	0.13 U	NS
2,4,6-Trinitrotoluene	0.13 U	0.13 U	0.13 U	0.13 U	NS
4-amino-2,6-Dinitrotoluene	0.13 U	0.13 U	0.13 U	0.13 U	NS
2-amino-4,6-Dinitrotoluene	0.13 U	0.13 U	0.13 U	0.13 U	NS
2,6-Dinitrotoluene	0.13 U	0.13 U	0.13 U	0.13 U	NS
2,4-Dinitrotoluene	0.13 U	0.13 U	0.13 U	0.07 U	NS

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

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

MATRIX LOCATION SAMPLE DATE	WATER SEAD-16 11/17/93 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
SEMIVOLATILE ORGANICS					
Phenol	11 U	11 U	11 U	11 U	10 UJ
bis(2-Chloroethyl) ether	11 U	11 U	11 U	11 U	10 UJ
2-Chlorophenol	11 U	11 U	11 U	11 U	10 UJ
1,3-Dichlorobenzene	11 U	11 U	11 U	11 U	10 UJ
1,4-Dichlorobenzene	11 U	11 U	11 U	11 U	10 UJ
2,2'-oxybis(1-Chloropropane)	11 U	11 U	11 U	11 U	10 UJ
4-Methylphenol	11 U	11 U	11 U	11 U	10 UJ
N-Nitroso-di-n-propylamine	11 U	11 U	11 U	11 U	10 UJ
Hexachloroethane	11 U	11 U	11 U	11 U	10 UJ
Nitrobenzene	11 U	11 U	11 U	11 U	10 UJ
Isophorone	11 U	11 U	11 U	11 U	10 UJ
2-Nitrophenol	11 U	11 U	11 U	11 U	10 UJ
2,4-Dimethylphenol	11 U	11 U	11 U	11 U	10 UJ
bis(2-Chloroethoxy) methane	11 U	11 U	11 U	11 U	10 UJ
2,4-Dichlorophenol	11 U	11 U	11 U	11 U	10 UJ
1,2,4-Trichlorobenzene	11 U	11 U	11 U	11 U	10 UJ
Napthalene	11 U	11 U	11 U	11 U	10 UJ
4-Chloroaniline	11 U	11 U	11 U	11 U	10 UJ
Hexachlorobutadiene	11 U	11 U	11 U	11 U	10 UJ
4-Chloro-3-methylphenol	11 U	11 U	11 U	11 U	10 UJ
2-Methylnaphthalene	11 U	11 U	11 U	11 U	10 UJ
Hexachlorocyclopentadiene	11 U	11 U	11 U	11 U	10 UJ
2,4,6-Trichlorophenol	11 U	11 U	11 U	11 U	10 UJ
2,4,5-Trichlorophenol	27 U	27 U	27 U	27 U	26 UJ
2-Chloronaphthalene	11 U	11 U	11 U	11 U	10 UJ
2-Nitroaniline	27 U	27 U	27 U	27 U	26 UJ
Dimethylphthalate	11 U	11 U	11 U	11 U	10 UJ
Acenaphthylene	11 U	11 U	11 U	11 U	10 UJ
2,6-Dinitrotoluene	11 U	11 U	11 U	11 U	10 UJ
3-Nitroaniline	27 U	27 U	27 U	27 U	26 UJ
Acenaphthene	11 U	11 U	11 U	11 U	10 UJ
4-Nitrophenol	27 U	27 U	27 U	27 U	26 UJ
Dibenzofuran	11 U	11 U	11 U	11 U	10 UJ
2,4-Dinitrotoluene	11 U	11 U	11 U	11 U	10 UJ
Diethylphthalate	11 U	11 U	11 U	11 U	10 UJ
4-Chlorophenyl-phenylether	11 U	11 U	11 U	11 U	10 UJ
Fluorene	11 U	11 U	11 U	11 U	10 UJ
4-Nitroaniline	27 U	27 U	27 U	27 U	26 UJ
4,6-Dinitro-2-methylphenol	27 U	27 U	27 U	27 U	26 UJ
N-Nitrosodiphenylamine	11 U	11 U	11 U	11 U	10 UJ
4-Bromophenyl-phenylether	11 U	11 U	11 U	11 U	10 UJ
Hexachlorobenzene	11 U	11 U	11 U	11 U	10 UJ
Pentachlorophenol	27 U	27 U	27 U	27 U	26 UJ
Phenanthrene	11 U	11 U	11 U	11 U	10 UJ
Anthracene	11 U	11 U	11 U	11 U	10 UJ
Carbazole	11 U	11 U	11 U	11 U	10 UJ
D)-n-butylphthalate	11 U	11 U	11 U	11 U	10 UJ
Fluoranthene	11 U	11 U	11 U	11 U	10 UJ
Pyrene	11 U	11 U	11 U	11 U	10 UJ
Butylbenzylphthalate	11 U	11 U	11 U	11 U	10 UJ
3,3-Dichlorobenzidine	11 U	11 U	11 U	11 U	10 UJ
Benzoc(a)anthracene	11 U	11 U	11 U	11 U	10 UJ
Chrysene	11 U	11 U	11 U	11 U	10 UJ
bis(2-Ethylhexyl)phthalate	12 U	13 U	11 U	24 U	10 UJ
D)-n-octylphthalate	11 U	11 U	11 U	11 U	10 UJ
Berzo(b)fluoranthene	11 U	11 U	11 U	11 U	10 UJ
Berzo(k)fluoranthene	11 U	11 U	11 U	11 U	10 UJ
Berzo(a)pyrene	11 U	11 U	11 U	11 U	10 UJ
Indeno(1,2,3-cd)pyrene	11 U	11 U	11 U	11 U	10 UJ
Dibenz(a,h)anthracene	11 U	11 U	11 U	11 U	10 UJ
Berzo(g,h,i)perylene	11 U	11 U	11 U	11 U	10 UJ

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

COMPOUND	MATRIX LOCATION SAMPLE DATE	WATER SEAD-16 11/17/93 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
PESTICIDES/PCB						
alpha-BHC	ug/L	0.053 U	0.053 U	0.054 U	0.056 UJ	NS
beta-BHC	ug/L	0.053 U	0.053 U	0.054 U	0.056 UJ	NS
delta-BHC	ug/L	0.053 U	0.053 U	0.054 U	0.056 UJ	NS
gamma-BHC (lindane)	ug/L	0.053 U	0.053 U	0.054 U	0.056 UJ	NS
Heptachlor	ug/L	0.053 U	0.053 U	0.054 U	0.056 UJ	NS
Aldrin	ug/L	0.053 U	0.053 U	0.054 U	0.056 UJ	NS
Heptachlor epoxide	ug/L	0.053 U	0.053 U	0.054 U	0.056 UJ	NS
Endosulfan I	ug/L	0.053 U	0.053 U	0.054 U	0.056 UJ	NS
Dieldrin	ug/L	0.11 U	0.11 U	0.11 U	0.11 UJ	NS
4,4'-DDE	ug/L	0.11 U	0.11 U	0.11 U	0.11 UJ	NS
Endrin	ug/L	0.11 U	0.11 U	0.11 U	0.11 UJ	NS
Endosulfan II	ug/L	0.11 U	0.11 U	0.11 U	0.11 UJ	NS
4,4'-DDD	ug/L	0.11 U	0.11 U	0.11 U	0.11 UJ	NS
Endosulfan sulfate	ug/L	0.11 U	0.11 U	0.11 U	0.11 UJ	NS
4,4'-DDT	ug/L	0.11 U	0.11 U	0.11 U	0.11 UJ	NS
Methoxychlor	ug/L	0.53 UJ	0.53 UJ	0.54 U	0.56 UJ	NS
Endrin ketone	ug/L	0.11 U	0.11 U	0.11 U	0.11 UJ	NS
Endrin aldehyde	ug/L	0.11 U	0.11 U	0.11 U	0.11 UJ	NS
alpha-Chlordane	ug/L	0.053 U	0.053 U	0.054 U	0.056 UJ	NS
gamma-Chlordane	ug/L	0.053 U	0.053 U	0.054 U	0.056 UJ	NS
Toxaphene	ug/L	5.3 U	5.3 U	5.4 U	5.6 UJ	NS
Aroclor-1016	ug/L	1.1 U	1.1 U	1.1 U	1.1 UJ	NS
Aroclor-1221	ug/L	2.1 U	2.1 U	2.2 U	2.2 UJ	NS
Aroclor-1232	ug/L	1.1 U	1.1 U	1.1 U	1.1 UJ	NS
Aroclor-1242	ug/L	1.1 U	1.1 U	1.1 U	1.1 UJ	NS
Aroclor-1248	ug/L	1.1 U	1.1 U	1.1 U	1.1 UJ	NS
Aroclor-1254	ug/L	1.1 U	1.1 U	1.1 U	1.1 UJ	NS
Aroclor-1260	ug/L	1.1 U	1.1 U	1.1 U	1.1 UJ	NS
METALS						
Aluminum	ug/L	53600	35000	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	3.5 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	8100	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	408	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	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	7.3	7.57	NA	7.7	NS
pH		575	525	NA	260	NS
Specific Conductivity	umhos/cm	NA(Cloudy)	NA(Clear)	NA	NA(Silty)	NS
Turbidity	NTU					

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

MATRIX LOCATION SAMPLE DATE	WATER SEAD-16 12/06/93 SW16-1 206187	WATER SEAD-16 12/06/93 SW16-2 206188
COMPOUND		
VOLATILE ORGANICS		
Chloromethane	10 U	10 U
Bromomethane	10 U	10 U
Vinyl Chloride	10 U	10 U
Chloroethane	10 U	10 U
Methylene Chloride	10 U	10 U
Acetone	10 U	10 U
Carbon Disulfide	10 U	10 U
1,1-Dichloroethane	10 U	10 U
1,1-Dichloroethane	10 U	10 U
1,2-Dichloroethane (total)	10 U	10 U
Chloroform	10 U	10 U
1,2-Dichloroethane	10 U	10 U
2-Butanone	10 U	10 U
1,1,1-Trichloroethane	10 U	10 U
Carbon Tetrachloride	10 U	10 U
Bromodichloromethane	10 U	10 U
1,2-Dichloropropane	10 U	10 U
cis-1,3-Dichloropropene	10 U	10 U
Trichloroethene	10 U	10 U
Dibromochloromethane	10 U	10 U
1,1,2-Trichloroethane	10 U	10 U
Benzene	10 U	10 U
trans-1,3-Dichloropropene	10 U	10 U
Bromoform	10 U	10 U
4-Methyl-2-Pentanone	10 U	10 U
2-Hexanone	10 U	10 U
Tetrachloroethene	10 U	10 U
1,1,2,2-Tetrachloroethane	10 U	10 U
Toluene	10 U	10 U
Chlorobenzene	10 U	10 U
Ethylbenzene	10 U	10 U
Styrene	10 U	10 U
Xylene (total)	10 U	10 U
MTBE	NS	NS
HERBICIDES		
2,4-D	1.1 U	1.2 U
2,4-DB	1.1 U	1.2 U
2,4,5-T	0.11 U	0.12 U
2,4,5-TP (SMex)	0.11 U	0.12 U
Dalapon	2.5 U	2.6 U
Dicamba	0.11 U	0.12 U
Dichloroprop	1.1 U	1.2 U
Dinoseb	0.53 U	0.56 U
MCPA	110 U	120 U
MCPP	110 U	120 U
NITROAROMATICS		
HMX	0.13 U	0.17 U
RDX	0.13 U	0.13 U
1,3,5-Trinitrobenzene	0.13 U	0.13 U
1,3-Dinitrobenzene	0.13 U	0.13 U
Tetryl	0.13 U	0.13 U
2,4,6-Trinitrotoluene	0.13 U	0.13 U
4-amino-2,6-Dinitrotoluene	0.13 U	0.13 U
2-amino-4,6-Dinitrotoluene	0.13 U	0.13 U
2,6-Dinitrotoluene	0.13 U	0.13 U
2,4-Dinitrotoluene	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		WATER		WATER	
	ES ID	UNITS	ES ID	UNITS	ES ID	UNITS
SEMIVOLATILE ORGANICS						
Phenol		ug/L	11 U	10 U	12/08/93	10 U
bis(2-Chloroethyl) ether		ug/L	11 U	10 U	SW16-2	10 U
2-Chlorophenol		ug/L	11 U	10 U	206188	10 U
1,3-Dichlorobenzene		ug/L	11 U	10 U		10 U
1,4-Dichlorobenzene		ug/L	11 U	10 U		10 U
2-Methylphenol		ug/L	11 U	10 U		10 U
2,2'-oxybis (1-Chloropropane)		ug/L	11 U	10 U		10 U
4-Methylphenol		ug/L	11 U	10 U		10 U
N-Nitroso-d-n-propylamine		ug/L	11 U	10 U		10 U
Hexachloroethane		ug/L	11 U	10 U		10 U
Nitrobenzene		ug/L	11 U	10 U		10 U
Isophorone		ug/L	11 U	10 U		10 U
2-Nitrophenol		ug/L	11 U	10 U		10 U
2,4-Dimethylphenol		ug/L	11 U	10 U		10 U
bis(2-Chloroethoxy) methane		ug/L	11 U	10 U		10 U
2,4-Dichlorophenol		ug/L	11 U	10 U		10 U
1,2,4-Trichlorobenzene		ug/L	11 U	10 U		10 U
Naphthalene		ug/L	11 U	10 U		10 U
4-Chloroaniline		ug/L	11 U	10 U		10 U
Hexachlorobutadiene		ug/L	11 U	10 U		10 U
4-Chloro-3-methylphenol		ug/L	11 U	10 U		10 U
2-Methylnaphthalene		ug/L	11 U	10 U		10 U
Hexachlorocyclopentadiene		ug/L	11 U	10 U		10 U
2,4,6-Trichlorophenol		ug/L	11 U	10 U		10 U
2,4,5-Trichlorophenol		ug/L	27 U	26 U		26 U
2-Chloronaphthalene		ug/L	11 U	10 U		10 U
2-Nitroaniline		ug/L	27 U	28 U		28 U
Diethylphthalate		ug/L	11 U	10 U		10 U
Acenaphthylene		ug/L	11 U	10 U		10 U
2,6-Dinitrotoluene		ug/L	11 U	10 U		10 U
3-Nitroaniline		ug/L	27 U	26 U		26 U
Acenaphthene		ug/L	11 U	10 U		10 U
2,4-Dinitrophenol		ug/L	27 U	26 U		26 U
4-Nitrophenol		ug/L	27 U	26 U		26 U
Dibenzofuran		ug/L	11 U	10 U		10 U
2,4-Dinitrotoluene		ug/L	11 U	10 U		10 U
Diethylphthalate		ug/L	11 U	10 U		10 U
4-Chlorophenyl-phenylether		ug/L	11 U	10 U		10 U
Fluorene		ug/L	11 U	10 U		10 U
4-Nitroaniline		ug/L	27 U	26 U		26 U
4,6-Dinitro-2-methylphenol		ug/L	27 U	28 U		28 U
N-Nitrosodiphenylamine		ug/L	11 U	10 U		10 U
4-Bromophenyl-phenylether		ug/L	11 U	10 U		10 U
Hexachlorobenzene		ug/L	11 U	10 U		10 U
Pentachlorophenol		ug/L	27 U	26 U		26 U
Phenanthrene		ug/L	11 U	10 U		10 U
Anthracene		ug/L	11 U	10 U		10 U
Carbazole		ug/L	11 U	10 U		10 U
D-n-butylphthalate		ug/L	11 U	10 U		10 U
Fluoranthene		ug/L	11 U	10 U		10 U
Pyrene		ug/L	11 U	10 U		10 U
Butylbenzylphthalate		ug/L	11 U	10 U		10 U
3,3'-Dichlorobenzidine		ug/L	11 U	10 U		10 U
Benzoc(a)anthracene		ug/L	11 U	10 U		10 U
Chrysene		ug/L	11 U	10 U		10 U
bis(2-Ethylhexyl)phthalate		ug/L	11 U	10 U		10 U
D-n-octylphthalate		ug/L	11 U	10 U		10 U
Benzo(b)fluoranthene		ug/L	11 U	10 U		10 U
Benzo(k)fluoranthene		ug/L	11 U	10 U		10 U
Benzo(a)pyrene		ug/L	11 U	10 U		10 U
Indeno(1,2,3-cd)pyrene		ug/L	11 U	10 U		10 U
Dibenz(e,h)anthracene		ug/L	11 U	10 U		10 U
Benzo(g,h,i)perylene		ug/L	11 U	10 U		10 U

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

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID UNITS	WATER SEAD-16 12/06/93 SW16-1 206187	WATER SEAD-16 12/06/93 SW16-2 206188
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
Heptachlor epoxide	ug/L	0.056 U	0.052 U
Endosulfan I	ug/L	0.056 U	0.052 U
Endosulfan II	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-1248	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	261	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	0.19 J
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

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	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 SS17-9FRE 201895
UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
VOLATILE ORGANICS										
Chloromethane	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 U	10 U
Bromomethane	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 U	10 U
Vinyl Chloride	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 U	10 U
Chloroethane	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 U	10 U
Methylene Chloride	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 U	10 U
Acetone	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 U	10 U
Carbon Disulfide	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 U	10 U
1,1-Dichloroethane	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 U	10 U
1,1-Dichloroethane	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 U	10 U
1,2-Dichloroethane (total)	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 U	10 U
Chloroform	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 U	10 U
1,2-Dichloroethane	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 U	10 U
2-Butanone	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 U	10 U
1,1,1-Trichloroethane	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 U	10 U
Carbon Tetrachloride	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 U	10 U
Bromo-dichloromethane	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 U	10 U
1,2-Dichloropropane	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 U	10 U
cis-1,3-Dichloropropene	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 U	10 U
Trichloroethene	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 U	10 U
Dibromochloromethane	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 U	10 U
1,1,2-Trichloroethane	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 U	10 U
Benzene	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 U	10 U
trans-1,3-Dichloropropene	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 U	10 U
Bromofom	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 U	10 U
4-Methyl-2-Pentanone	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 U	10 U
2-Hexanone	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 U	10 U
Tetrachloroethene	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 U	10 U
1,1,2,2-Tetrachloroethane	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 U	10 U
Toluene	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 U	10 U
Chlorobenzene	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 U	10 U
Ethylbenzene	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 U	10 U
Styrene	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 U	10 U
Xylene (total)	12 U	13 U	13 U	12 U	14 U	10 U	12 U	12 U	10 U	10 U
MTBE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES										
2,4-D	63 U	67 U	65 U	62 U	65 U	52 U	62 U	62 U	52 U	52 U
2,4-DB	63 U	67 U	65 U	62 U	65 U	52 U	62 U	62 U	52 U	52 U
2,4,5-T	63 U	67 U	65 U	62 U	65 U	52 U	62 U	62 U	52 U	52 U
2,4,5-TP (Silvex)	150 U	160 U	160 U	150 U	160 U	130 U	150 U	150 U	130 U	130 U
Dalapon	63 U	67 U	65 U	62 U	65 U	52 U	62 U	62 U	52 U	52 U
Dicamba	63 U	67 U	65 U	62 U	65 U	52 U	62 U	62 U	52 U	52 U
Dicloroprop	32 U	34 U	33 U	31 U	33 U	26 U	31 U	31 U	26 U	26 U
Dirseeb	10000 U	6700 U	6500 U	6200 U	6500 U	5200 U	6200 U	6200 U	5200 U	5200 U
MCPA	6300 U	6700 U	6500 U	6200 U	6500 U	5200 U	6200 U	6200 U	5200 U	5200 U
MCPP	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
NITROAROMATICS										
HMX	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
FDX	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
1,3,5-Trinitrobenzene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
1,3-Dinitrobenzene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
Tetryl	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,4,6-Trinitrotoluene	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	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	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,6-Dinitrotoluene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,4-Dinitrotoluene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U

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	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
COMPOUND	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
PESTICIDES/PCB										
alpha-BHC	ug/Kg	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	2.3 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	2.3 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	2.3 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	2.3 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	2.3 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	2.3 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	2.3 U	2.2 U	2.1 U	2.2 U	1.8 U	2.1 U	2.1 U	1.8 U	NS
Endosulfan II	ug/Kg	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
4,4'-DDE	ug/Kg	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 II	ug/Kg	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
4,4'-DDD	ug/Kg	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 sulfate	ug/Kg	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
4,4'-DDT	ug/Kg	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
Methoxychlor	ug/Kg	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
Endrin ketone	ug/Kg	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
Endrin aldehyde	ug/Kg	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
alpha-Chlordane	ug/Kg	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	2.3 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	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
Aroclor-1016	ug/Kg	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
Aroclor-1221	ug/Kg	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
Aroclor-1232	ug/Kg	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
Aroclor-1242	ug/Kg	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
Aroclor-1248	ug/Kg	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
Aroclor-1254	ug/Kg	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
Aroclor-1260	ug/Kg	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
METALS										
Aluminum	mg/Kg	14900	15200	10800	17300	10900	16600	14300	3790	NS
Antimony	ug/Kg	10.4 U	13.6 U	12.5 U	10 U	12.9 U	8.2 U	7.4 U	10.7	NS
Arsenic	ug/Kg	6	5	6.6	7.4	16.1	8.2	8.5	4.8	NS
Barium	mg/Kg	102	102	192	146	352	447	337	787	NS
Beryllium	ug/Kg	0.5 J	0.42 J	0.52 J	0.81 J	0.5 J	0.76 J	0.69	0.18 J	NS
Cadmium	ug/Kg	2.3	2.2	4.9	3.7	9.9	7.3	5.1	6.3	NS
Calcium	mg/Kg	99300	2180	117000	2740	89300	110000	110000	177000	NS
Chromium	ug/Kg	16.6	16.8	18.3	23.6	11.3	23.4	23.9	10	NS
Cobalt	ug/Kg	6.1 J	5.7 J	10.4 J	9.6	7.3	14.7	13.6	4.7 J	NS
Copper	ug/Kg	81	39.3	249	73	362	423	654	136	NS
Iron	mg/Kg	16400	19300	19400	25000	24300	26400	27600	8020	NS
Lead	ug/Kg	594	375	1680	577	3150	2310	2190	1340	NS
Magnesium	mg/Kg	7430	2540	6900	3670	8940	4520	6380	17300	NS
Manganese	ug/Kg	430	277	431	737	399	431	590	270 J	NS
Mercury	ug/Kg	0.07 J	0.07 J	0.07 J	0.9 J	0.06 J	0.1 J	0.09 J	0.04 J	NS
Nickel	ug/Kg	19.8	14.1	28	24.9	37.7	29.1	45.7	16.4	NS
Potassium	mg/Kg	1900	1050 J	1360	1520	1420	1370	1520	1110	NS
Selenium	ug/Kg	0.28 U	0.37 U	0.36 J	0.23 U	0.68 J	0.25 U	0.16 J	0.21 J	NS
Silver	ug/Kg	1.6 U	1.7 U	1.3 U	1.3 U	2.8 J	1 U	4 J	5.5	NS
Sodium	mg/Kg	147 J	33.5 J	144 J	53.1 J	168 J	66.9 J	144 J	247 J	NS
Thallium	ug/Kg	0.24 U	0.26 U	0.25 U	0.25 U	2 U	0.27 U	0.22 J	0.17 U	NS
Vanadium	ug/Kg	21	26.6	17.5	237	16.3	28.8	22.2	8.9	NS
Zinc	mg/Kg	200	129	324	237	497	437	613	120	NS
Cyanide	mg/Kg	0.74 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	0.13	0.51	0.17	3.8	0.15	0.08	3.5	NS
Total Solids	%W/W	79.5	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
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-17 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-17 0-0.2 11/09/93 SS17-10 204035	SOIL SEAD-17 0-0.2 10/21/93 SS17-11 204037	SOIL SEAD-17 0-0.2 10/21/93 SS17-12 202047	SOIL SEAD-17 0-0.2 10/21/93 SS17-13 201896	SOIL SEAD-17 0-0.2 10/20/93 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 SS17-19 202077	SOIL SEAD-17 0-0.2 10/22/93 SS17-20 202077
VOLATILE ORGANICS											
Chloroethane	11 U	11 U	12 U	11 U	11 U	11 U	13 U	14 U	13 U	13 U	13 U
Bromomethane	11 U	11 U	12 U	11 U	11 U	11 U	13 U	14 U	13 U	13 U	13 U
Vinyl Chloride	11 U	11 U	12 U	11 U	11 U	11 U	13 U	14 U	13 U	13 U	13 U
Chloroethane	11 U	11 U	12 U	11 U	11 U	11 U	13 U	14 U	13 U	13 U	13 U
Methylene Chloride	11 U	11 U	12 U	11 U	11 U	11 U	13 U	14 U	13 U	13 U	13 U
Acetone	11 U	11 U	12 U	11 U	11 U	11 U	13 U	14 U	13 U	13 U	13 U
Carbon Disulfide	11 U	11 U	12 U	11 U	11 U	11 U	13 U	14 U	13 U	13 U	13 U
1,1-Dichloroethane	11 U	11 U	12 U	11 U	11 U	11 U	13 U	14 U	13 U	13 U	13 U
1,1-Dichloroethane	11 U	11 U	12 U	11 U	11 U	11 U	13 U	14 U	13 U	13 U	13 U
1,2-Dichloroethane (total)	11 U	11 U	12 U	11 U	11 U	11 U	13 U	14 U	13 U	13 U	13 U
Chloroform	11 U	11 U	12 U	11 U	11 U	11 U	13 U	14 U	13 U	13 U	13 U
1,2-Dichloroethane	11 U	11 U	12 U	11 U	11 U	11 U	13 U	14 U	13 U	13 U	13 U
2-Butanone	11 U	11 U	12 U	11 U	11 U	11 U	13 U	14 U	13 U	13 U	13 U
1,1,1-Trichloroethane	11 U	11 U	12 U	11 U	11 U	11 U	13 U	14 U	13 U	13 U	13 U
Carbon Tetrachloride	11 U	11 U	12 U	11 U	11 U	11 U	13 U	14 U	13 U	13 U	13 U
Bromodichloromethane	11 U	11 U	12 U	11 U	11 U	11 U	13 U	14 U	13 U	13 U	13 U
1,2-Dichloroethane	11 U	11 U	12 U	11 U	11 U	11 U	13 U	14 U	13 U	13 U	13 U
cis-1,3-Dichloropropene	11 U	11 U	12 U	11 U	11 U	11 U	13 U	14 U	13 U	13 U	13 U
Trichloroethene	11 U	11 U	12 U	11 U	11 U	11 U	13 U	14 U	13 U	13 U	13 U
Dibromochloromethane	11 U	11 U	12 U	11 U	11 U	11 U	13 U	14 U	13 U	13 U	13 U
1,1,2-Trichloroethane	11 U	11 U	12 U	11 U	11 U	11 U	13 U	14 U	13 U	13 U	13 U
Benzene	11 U	11 U	12 U	11 U	11 U	11 U	13 U	14 U	13 U	13 U	13 U
Bromolom	11 U	11 U	12 U	11 U	11 U	11 U	13 U	14 U	13 U	13 U	13 U
trans-1,3-Dichloropropene	11 U	11 U	12 U	11 U	11 U	11 U	13 U	14 U	13 U	13 U	13 U
4-Methyl-2-Pentanone	11 U	11 U	12 U	11 U	11 U	11 U	13 U	14 U	13 U	13 U	13 U
2-Hexanone	11 U	11 U	12 U	11 U	11 U	11 U	13 U	14 U	13 U	13 U	13 U
Tetrachloroethene	11 U	11 U	12 U	11 U	11 U	11 U	13 U	14 U	13 U	13 U	13 U
1,1,2,2-Tetrachloroethane	11 U	11 U	12 U	11 U	11 U	11 U	13 U	14 U	13 U	13 U	13 U
Toluene	11 U	11 U	12 U	11 U	11 U	11 U	13 U	14 U	13 U	13 U	13 U
Chlorobenzene	11 U	11 U	12 U	11 U	11 U	11 U	13 U	14 U	13 U	13 U	13 U
Ethylbenzene	11 U	11 U	12 U	11 U	11 U	11 U	13 U	14 U	13 U	13 U	13 U
Styrene	11 U	11 U	12 U	11 U	11 U	11 U	13 U	14 U	13 U	13 U	13 U
Xylene (total)	11 U	11 U	12 U	11 U	11 U	11 U	13 U	14 U	13 U	13 U	13 U
MTBE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES											
2,4-D	53 U	63 U	59 U	54 U	53 U	53 U	66 U	66 U	66 U	66 U	66 U
2,4-DB	53 U	63 U	59 U	54 U	53 U	53 U	66 U	66 U	66 U	66 U	66 U
2,4,5-T	5.3 U	6.3 U	5.9 U	5.4 U	5.3 U	5.3 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U
2,4,5-TP (Silvex)	5.3 U	6.3 U	5.9 U	5.4 U	5.3 U	5.3 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U
Dalapon	130 U	150 U	150 U	130 U	130 U	130 U	170 U	160 U	160 U	160 U	160 U
Dicamba	5.3 U	6.3 U	5.9 U	5.4 U	5.3 U	5.3 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U
Dichloroprop	53 U	63 U	59 U	54 U	53 U	53 U	66 U	66 U	66 U	66 U	66 U
Dinoseb	27 U	32 U	30 U	27 U	27 U	27 U	34 U	33 U	33 U	33 U	33 U
MCPA	5300 U	6300 U	5900 U	5400 U	5300 U	5300 U	6800 U	6600 U	6600 U	6600 U	6600 U
MCPP	5300 U	6300 U	5900 U	5400 U	5300 U	5300 U	6800 U	6600 U	6600 U	6600 U	6600 U
NITROAROMATICS											
HMX	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
RDY	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
1,3,5-Trinitrobenzene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
1,3-Dinitrobenzene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
Tetryl	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,4,6-Trinitrotoluene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
4-amino-2,6-Dinitrotoluene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2-amino-4,6-Dinitrotoluene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,6-Dinitrotoluene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,4-Dinitrotoluene	330 U	330 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	72 U

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

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	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 10/21/93 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	SOIL SEAD-17 0-0.2 10/22/93 SS17-24 202077
SEMIVOLATILE ORGANICS												
Phend	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
bis(2-Chloroethyl) ether	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
2-Chlorophend	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
1,3-Dichlorobenzene	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
1,4-Dichlorobenzene	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
1,2-Dichlorobenzene	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
2-Methylphend	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
2,2-oxybis(1-Chloropropane)	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
4-Methylphend	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
N-Nitroso-d-n-propylamine	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
Hexachloroethane	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
Nitrobenzene	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
Isophorone	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
2,4-Dimethylphend	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
bis(2-Chloroethoxy) methane	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
2,4-Dichlorophend	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
1,2,4-Trichlorobenzene	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
Naphthalene	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
4-Chloroaniline	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
Hexachlorobutadiene	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
4-Chloro-3-methylphend	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
2-Methylnaphthalene	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
Hexachlorocyclopentadiene	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
2,4,6-Trichlorophend	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
2,4,5-Trichlorophend	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
2-Chloronaphthalene	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
2-Nitroaniline	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
Dimethylphthalate	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
Aceamphthylene	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
2,6-Dinitrotoluene	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
3-Nitroaniline	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
Aceamphthene	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
2,4-Dinitrophenol	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
4-Nitrophenol	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
Dibenzofuran	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
2,4-Dinitrotoluene	ug/Kg	61 J	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
Diethylphthalate	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
4-Chlorophenyl-phenylether	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
Fluorene	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
4-Nitroaniline	ug/Kg	850 U	1000 U	940 U	860 U	860 U	860 U	1100 U	1100 U	1100 U	1100 U	1100 U
4,6-Dinitro-2-methylphenol	ug/Kg	850 U	1000 U	940 U	860 U	860 U	860 U	1100 U	1100 U	1100 U	1100 U	1100 U
N-Nitrosodiphenylamine	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
4-Bromophenyl-phenylether	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
Hexachlorobenzene	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
Pentachlorophend	ug/Kg	850 U	1000 U	940 U	860 U	860 U	860 U	1100 U	1100 U	1100 U	1100 U	1100 U
Phenanthrene	ug/Kg	72 J	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
Anthracene	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
Carbazole	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
Di-n-butylphthalate	ug/Kg	48 J	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
Fluoranthene	ug/Kg	150 J	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
Pyrene	ug/Kg	110 J	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
Benzofluoranthene	ug/Kg	48 J	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
Benzofluoranthene	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
Benzofluoranthene	ug/Kg	38 J	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
Chrysene	ug/Kg	78 J	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
bis(2-Ethylhexyl)phthalate	ug/Kg	810 U	1300	990 U	860 U	860 U	860 U	1100 U	1100 U	1100 U	1100 U	1100 U
Di-n-octylphthalate	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
Benzofluoranthene	ug/Kg	50 J	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
Benzofluoranthene	ug/Kg	38 J	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
Benzofluoranthene	ug/Kg	32 J	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
Indene(1,2,3-cd)pyrene	ug/Kg	25 J	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
Dibenz(a,h)anthracene	ug/Kg	350 U	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 U
Benzofluoranthene	ug/Kg	27 J	420 U	390 U	350 U	350 U	350 U	450 U	430 U	430 U	430 U	430 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	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 10/21/93	SOIL SEAD-17 0-0.2 10/21/93
LAB ID	SS17-24RE	SS17-19	SS17-21	SS17-22	SS17-23	SS17-1.1	SS17-1.2	SS17-1.3	SS17-2.1
UNITS	202077	202053	202055	202075	202076	205914	205915	205916	202502
VOLATILE ORGANICS									
Chloroethane	13 UJ	16 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Bromomethane	13 UJ	16 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Vinyl Chloride	13 UJ	16 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Chloroethane	13 UJ	16 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Methylene Chloride	8 J	16 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Acetone	13 UJ	41 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Carbon Disulfide	13 UJ	16 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
1,1-Dichloroethane	13 UJ	16 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
1,1-Dichloroethane	13 UJ	16 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
1,2-Dichloroethane (total)	13 UJ	16 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
1,2-Dichloroethane	13 UJ	16 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
2-Butanone	13 UJ	16 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
1,1,1-Trichloroethane	13 UJ	16 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Carbon Tetrachloride	13 UJ	16 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Bromodichloromethane	13 UJ	16 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
1,2-Dichloropropane	13 UJ	16 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
cis-1,3-Dichloropropene	13 UJ	16 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Trichloroethene	13 UJ	16 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Dibromochloromethane	13 UJ	16 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
1,1,2-Trichloroethane	13 UJ	16 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Benzene	13 UJ	16 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
trans-1,3-Dichloropropene	13 UJ	16 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Bromolorm	13 UJ	16 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
4-Methyl-2-Pentanone	13 UJ	16 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
2-Hexanone	13 UJ	16 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Tetrachloroethene	13 UJ	16 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
1,1,2,2-Tetrachloroethane	13 UJ	16 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Toluene	13 UJ	16 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Chlorobenzene	13 UJ	16 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Ethylbenzene	13 UJ	16 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Styrene	13 UJ	16 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
Xylene (total)	13 UJ	16 U	14 U	14 U	14 U	12 U	12 U	11 U	12 UJ
MTBE	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES									
2,4-D	NS	69 U	66 U	66 U	66 U	64 U	64 U	54 U	60 U
2,4-DB	NS	69 U	66 U	66 U	66 U	64 U	64 U	54 U	60 U
2,4,5-T	NS	6.9 U	6.6 U	6.6 U	6.6 U	6.4 U	6.4 U	5.4 U	6 U
2,4,5-TP (Silvex)	NS	6.9 U	6.6 U	6.6 U	6.6 U	6.4 U	6.4 U	5.4 U	6 U
Dalapon	NS	170 U	160 U	160 U	160 U	160 U	160 U	130 U	150 U
Dicamba	NS	6.9 U	6.6 U	6.6 U	6.6 U	6.4 U	6.4 U	5.4 U	6 U
Dicloroprop	NS	69 U	66 U	66 U	66 U	64 U	64 U	54 U	60 U
Dinoseb	NS	33 U	33 U	33 U	33 U	32 U	32 U	27 U	30 U
MCPA	NS	8900 U	6500 U	6500 U	6500 U	6400 U	6400 U	5400 U	6000 U
MCPP	NS	6900 U	6500 U	6500 U	6500 U	6400 U	6400 U	5400 U	6000 U
NITROAROMATICS									
DMX	NS	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
RDX	NS	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
1,3,5-Trinitrobenzene	NS	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
1,3-Dinitrobenzene	NS	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
Tetryl	NS	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,4,6-TrinitrotoLuene	NS	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
4-amino-2,6-DinitrotoLuene	NS	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2-amino-4,6-DinitrotoLuene	NS	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,6-DinitrotoLuene	NS	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,4-DinitrotoLuene	NS	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 10/22/93 SS17-24RE 202077 SS17-19DUP	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 10/27/93 SB17-1.3 205916	SOIL SEAD-17 0-2 10/27/93 SB17-2.1 202502
SEMIVOLATILE ORGANICS									
Phend	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
bis(2-Chloroethyl) ether	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
2-Chlorophend	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
1,3-Dichlorobenzene	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
1,4-Dichlorobenzene	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
1,2-Dichlorobenzene	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
2-Methylphend	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
2,2'-oxybis(1-Chloropropane)	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
4-Methylphend	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
N-Nitroso-d-n-propylamine	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Hexachloroethane	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Nitrobenzene	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Isophorone	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
2-Nitrophenol	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
2,4-Dimethylphend	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
bis(2-Chloroethoxy) methane	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
2,4-Dichlorophend	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
1,2,4-Trichlorobenzene	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Naphthalene	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
1-Chloroaniline	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Hexachlorobutadiene	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
4-Chloro-3-methylphend	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
2-Methylnaphthalene	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Hexachlorocyclopentadiene	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
2,4,6-Trichlorophend	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
2,4,5-Trichlorophend	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
2-Chloronaphthalene	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
2-Nitroaniline	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Dimethylphthalate	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Acenaphthylene	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
2,6-Dinitrotoluene	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
3-Nitroaniline	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Acenaphthene	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
2,4-Dinitrophenol	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
4-Nitrophenol	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Dibenzoduran	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Diethylphthalate	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
4-Chlorophenyl-phenylether	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Fluorene	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
4-Nitroaniline	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
4,6-Dinitro-2-methylphenol	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
N-Nitrosodiphenylamine	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
4-Bromophenyl-phenylether	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Hexachlorobenzene	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Pentachlorophend	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Phenanthrene	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Anthracene	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Carbazole	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Di-n-butylphthalate	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Fluoranthene	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Pyrene	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Butylbenzylphthalate	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
3,3'-Dichlorobenzidine	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Benzolanthracene	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Chrysene	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
bis(2-Ethylhexyl)phthalate	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Di-n-octylphthalate	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Benzobenzofluoranthene	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Benzok(fluoranthene	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Benzok(i)fluoranthene	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Benzok(p)pyrene	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Indeno(1,2,3-cd)pyrene	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Dibenz(a,h)anthracene	NS	420 U	430 U	430 U	430 U	420 U	380 U	360 U	390 U
Benzzo(g,h,i)perylene	NS	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

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-17 0-0.2	SOIL SEAD-17 10/21/93 SS17-19	SOIL SEAD-17 10/21/93 SS17-20	SOIL SEAD-17 10/21/93 SS17-21	SOIL SEAD-17 10/21/93 SS17-22	SOIL SEAD-17 10/21/93 SS17-23	SOIL SEAD-17 12/01/93 SB17-1.1	SOIL SEAD-17 12/01/93 SB17-1.2	SOIL SEAD-17 12/01/93 SB17-1.3	SOIL SEAD-17 12/01/93 SB17-2.1	SOIL SEAD-17 12/01/93 SB17-2.2
	ES ID	SS17-24RE	SS17-25	SS17-26	SS17-27	SS17-28	SS17-29	SS17-30	SS17-31	SS17-32	SS17-33	SS17-34
	LAB ID	202077	202053	202054	202055	202075	202076	205914	205915	205916	205917	205918
	UNITS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PESTICIDES/PCB												
alpha-BHC	ug/Kg	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.9 U	1.8 U	2.0 U	2.0 U
beta-BHC	ug/Kg	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.9 U	1.8 U	2.0 U	2.0 U
delta-BHC	ug/Kg	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.9 U	1.8 U	2.0 U	2.0 U
gamma-BHC (Lindane)	ug/Kg	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.9 U	1.8 U	2.0 U	2.0 U
Heptachlor	ug/Kg	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.9 U	1.8 U	2.0 U	2.0 U
Aldrin	ug/Kg	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.9 U	1.8 U	2.0 U	2.0 U
Heptachlor epoxide	ug/Kg	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.9 U	1.8 U	2.0 U	2.0 U
Endosulfan I	ug/Kg	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.9 U	1.8 U	2.0 U	2.0 U
Endosulfan II	ug/Kg	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.9 U	1.8 U	2.0 U	2.0 U
4,4'-DDE	ug/Kg	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.9 U	1.8 U	2.0 U	2.0 U
4,4'-DDD	ug/Kg	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.9 U	1.8 U	2.0 U	2.0 U
4,4'-DDT	ug/Kg	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.9 U	1.8 U	2.0 U	2.0 U
Methoxychlor	ug/Kg	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.9 U	1.8 U	2.0 U	2.0 U
Endrin ketone	ug/Kg	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.9 U	1.8 U	2.0 U	2.0 U
Endrin aldehyde	ug/Kg	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.9 U	1.8 U	2.0 U	2.0 U
alpha-Chlorocane	ug/Kg	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.9 U	1.8 U	2.0 U	2.0 U
gamma-Chlorocane	ug/Kg	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.9 U	1.8 U	2.0 U	2.0 U
Trospirene	ug/Kg	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	1.9 U	1.8 U	2.0 U	2.0 U
Aroclor-1016	ug/Kg	45 U	42 U	42 U	43 U	43 U	43 U	42 U	38 U	36 U	39 U	39 U
Aroclor-1221	ug/Kg	45 U	42 U	42 U	43 U	43 U	43 U	42 U	38 U	36 U	39 U	39 U
Aroclor-1232	ug/Kg	45 U	42 U	42 U	43 U	43 U	43 U	42 U	38 U	36 U	39 U	39 U
Aroclor-1248	ug/Kg	45 U	42 U	42 U	43 U	43 U	43 U	42 U	38 U	36 U	39 U	39 U
Aroclor-1254	ug/Kg	45 U	42 U	42 U	43 U	43 U	43 U	42 U	38 U	36 U	39 U	39 U
Aroclor-1260	ug/Kg	45 U	42 U	42 U	43 U	43 U	43 U	42 U	38 U	36 U	39 U	39 U
METALS												
Aluminum	mg/Kg	15500	13900	14400	18100	15700	13700	18100	18100	8700	15900	15900
Antimony	ug/Kg	9 U	8.7 U	11 U	12.8 U	5.3	4.3	11.7 U	11.8 U	9 U	12.1 U	12.1 U
Arsenic	ug/Kg	6.3	6.5	8.9	5.9	5.3	5.9	5.2	5.2	3.4	5.2	5.2
Barium	ug/Kg	149	96.2	96.5	127	92.6	107	107	114	59.4	158	158
Beryllium	ug/Kg	0.83 J	0.71 J	0.74 J	0.8 J	0.72 J	0.7 J	0.73 U	0.9 J	0.42 J	0.62 J	0.62 J
Cadmium	ug/Kg	2.9	0.54 U	0.69 U	1.5	0.82 U	0.82 U	0.74 U	0.74 U	0.56 U	2.8	2.8
Calcium	ug/Kg	4210	6230	3910	6900	2510	2870	20900	20900	72800	48200	48200
Chromium	ug/Kg	22.9	21.4	23.2	23.8	20.3	17.6	25.1	25.1	13.9	27.1	27.1
Cobalt	ug/Kg	10.2	11.1	12.4	9.9 J	9.4 J	9.9 J	13.3	10.6 J	8.8	10.6 J	10.6 J
Copper	ug/Kg	81.7	26.9	25.9	52 J	22.6 J	46.4	26.9	20	20	85.1	85.1
Iron	ug/Kg	25500	28700	28800	24700	22700	25100	29500	18800	18800	38700	38700
Lead	ug/Kg	402	65.2	44.9	226	111	266	11.4 J	7.5 J	7.5 J	686	686
Magnesium	ug/Kg	4260	4770	4930	4880	3720	3330	8490	18100	18100	6630	6630
Manganese	ug/Kg	741	602	857	662	598	547	487	391	391	673	673
Mercury	ug/Kg	0.07 J	0.08 J	0.06 J	0.06 J	0.04 J	0.05 J	0.06 J	0.04 U	0.04 U	0.04 U	0.04 U
Nickel	ug/Kg	30.2	31	35.6	27	22.6	19.1	42	34.7	25.2	34.7	34.7
Potassium	ug/Kg	1610	1270	1430	1960	1430	628 J	1560	1090	1090	1630	1630
Selenium	ug/Kg	0.23 UJ	0.18 UJ	0.2 UJ	0.24 UJ	0.26 UJ	0.25 UJ	0.24 UJ	0.14 UJ	0.14 UJ	0.25 UJ	0.25 UJ
Silver	ug/Kg	1.1 UJ	1.1 UJ	1.4 UJ	1.6 UJ	1.7 UJ	1.5 UJ	1.5 UJ	1.1 UJ	1.1 UJ	1.5 UJ	1.5 UJ
Sodium	ug/Kg	56.5 J	40.4 J	36.3 J	46 J	46 J	46.2 J	74.8 J	145 J	137 J	145 J	145 J
Sulfur	ug/Kg	0.25 U	0.2 U	0.22 U	0.26 U	0.29 U	0.28 U	0.27 U	0.15 UJ	0.15 UJ	0.27 U	0.27 U
Titanium	ug/Kg	26.3	24	24.1	30.1	26.4	23.1	27	13.9	13.9	27.3	27.3
Vanadium	ug/Kg	351	71.6	83.0	196	75.9	59.4	80.2	57.1	57.1	172	172
Zinc	ug/Kg	0.66 U	0.61 U	0.65 U	0.11 U	0.1 U	0.1 U	0.1 U	NA	NA	0.72 U	0.72 U
Cyanide	ug/Kg											
OTHER ANALYSES												
Nitrate/Nitrite - Nitrogen	mg/Kg	0.2	0.22	0.24	0.09	0.07	0.15	0.33	0.24	0.24	0.51	0.51
Total Solids	%W/W	73.3	78.3	76.4	75.8	76.2	78.4	86.6	92.2	92.2	83.8	83.8
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

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	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 2-4 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	
VSILATLE ORGANICS									
Chloromethane	ug/kg	12 U	12 U	13 U	13 U	13 U	12 U	12 U	
Bromomethane	ug/kg	12 U	12 U	13 U	13 U	13 U	12 U	12 U	
Vinyl Chloride	ug/kg	12 U	12 U	13 U	13 U	13 U	12 U	12 U	
Chloroethane	ug/kg	12 U	12 U	13 U	13 U	13 U	12 U	12 U	
Nitrylene Chloride	ug/kg	12 U	12 U	13 U	13 U	13 U	12 U	12 U	
Acetone	ug/kg	12 U	12 U	13 U	13 U	13 U	12 U	12 U	
Carbon Disulfide	ug/kg	12 U	12 U	13 U	13 U	13 U	12 U	12 U	
1,1-Dichloroethane	ug/kg	12 U	12 U	13 U	13 U	13 U	12 U	12 U	
1,1-Dichloroethane (total)	ug/kg	12 U	12 U	13 U	13 U	13 U	12 U	12 U	
1,2-Dichloroethane	ug/kg	12 U	12 U	13 U	13 U	13 U	12 U	12 U	
Chloroform	ug/kg	12 U	12 U	13 U	13 U	13 U	12 U	12 U	
1,2-Dichloroethane	ug/kg	12 U	12 U	13 U	13 U	13 U	12 U	12 U	
2-Butanone	ug/kg	12 U	12 U	13 U	13 U	13 U	12 U	12 U	
1,1,1-Trichloroethane	ug/kg	12 U	12 U	13 U	13 U	13 U	12 U	12 U	
Carbon Tetrachloride	ug/kg	12 U	12 U	13 U	13 U	13 U	12 U	12 U	
Bromodichloromethane	ug/kg	12 U	12 U	13 U	13 U	13 U	12 U	12 U	
1,2-Dichloropropane	ug/kg	12 U	12 U	13 U	13 U	13 U	12 U	12 U	
cis-1,3-Dichloropropane	ug/kg	12 U	12 U	13 U	13 U	13 U	12 U	12 U	
Trichloroethane	ug/kg	12 U	12 U	13 U	13 U	13 U	12 U	12 U	
Dibromochloromethane	ug/kg	12 U	12 U	13 U	13 U	13 U	12 U	12 U	
1,1,2-Trichloroethane	ug/kg	12 U	12 U	13 U	13 U	13 U	12 U	12 U	
Benzene	ug/kg	12 U	12 U	13 U	13 U	13 U	12 U	12 U	
trans-1,3-Dichloropropene	ug/kg	12 U	12 U	13 U	13 U	13 U	12 U	12 U	
Bromofom	ug/kg	12 U	12 U	13 U	13 U	13 U	12 U	12 U	
4-Methyl-2-Pentanone	ug/kg	12 U	12 U	13 U	13 U	13 U	12 U	12 U	
2-Hexanone	ug/kg	12 U	12 U	13 U	13 U	13 U	12 U	12 U	
Tetrachloroethane	ug/kg	12 U	12 U	13 U	13 U	13 U	12 U	12 U	
1,1,2,2-Tetrachloroethane	ug/kg	12 U	12 U	13 U	13 U	13 U	12 U	12 U	
Toluene	ug/kg	12 U	12 U	13 U	13 U	13 U	12 U	12 U	
Chlorobenzene	ug/kg	12 U	12 U	13 U	13 U	13 U	12 U	12 U	
Ethylbenzene	ug/kg	12 U	12 U	13 U	13 U	13 U	12 U	12 U	
Styrene	ug/kg	12 U	12 U	13 U	13 U	13 U	12 U	12 U	
Xylene (total)	ug/kg	12 U	12 U	13 U	13 U	13 U	12 U	12 U	
MTBE	ug/kg	NS	NS	NS	NS	NS	NS	NS	
HERBICIDES									
2,4-D	ug/kg	NS	56 U	58 U	59 U	59 U	59 U	54 U	
2,4-DB	ug/kg	NS	56 U	58 U	59 U	59 U	59 U	54 U	
2,4,5-T	ug/kg	NS	5.6 U	5.8 U	6.1 U	6.1 U	5.9 U	5.4 U	
2,4,5-TP (Silvex)	ug/kg	NS	5.6 U	5.8 U	6.1 U	6.1 U	5.9 U	5.4 U	
Dialapron	ug/kg	NS	140 U	140 U	150 U	150 U	150 U	130 U	
Dicamba	ug/kg	NS	5.8 U	5.8 U	6.1 U	6.1 U	5.9 U	5.4 U	
Dichloroprop	ug/kg	NS	56 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	5600 U	5800 U	6100 U	5900 U	5900 U	5400 U	
MCPP	ug/kg	NS	5600 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	
FDX	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	
Tetryl	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	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 2-4 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
SEMI-VOLATILE ORGANICS			SS17-2.2DUP				
Phenol	NS	380 U	380 U	400 U	390 U	390 U	360 U
bis(2-Chloroethyl) ether	NS	380 U	380 U	400 U	390 U	390 U	360 U
2-Chlorophenol	NS	380 U	380 U	400 U	390 U	390 U	360 U
1,3-Dichlorobenzene	NS	380 U	380 U	400 U	390 U	390 U	360 U
1,4-Dichlorobenzene	NS	380 U	380 U	400 U	390 U	390 U	360 U
2,4-Dichlorobenzene	NS	380 U	380 U	400 U	390 U	390 U	360 U
2-Methylphenol	NS	380 U	380 U	400 U	390 U	390 U	360 U
2,2-oxybis(1-Chloropropane)	NS	380 U	380 U	400 U	390 U	390 U	360 U
4-Methylphenol	NS	380 U	380 U	400 U	390 U	390 U	360 U
N-Nitroso-di-n-propylamine	NS	380 U	380 U	400 U	390 U	390 U	360 U
Hexachloroethane	NS	380 U	380 U	400 U	390 U	390 U	360 U
Nitrobenzene	NS	380 U	380 U	400 U	390 U	390 U	360 U
Isophorone	NS	380 U	380 U	400 U	390 U	390 U	360 U
2-Nitrophenol	NS	380 U	380 U	400 U	390 U	390 U	360 U
2,4-Dimethylphenol	NS	380 U	380 U	400 U	390 U	390 U	360 U
bis(2-Chloroethoxy) methane	NS	380 U	380 U	400 U	390 U	390 U	360 U
2,4-Dichlorophenol	NS	380 U	380 U	400 U	390 U	390 U	360 U
1,2,4-Trichlorobenzene	NS	380 U	380 U	400 U	390 U	390 U	360 U
Naphthalene	NS	380 U	380 U	400 U	390 U	390 U	360 U
4-Chloroaniline	NS	380 U	380 U	400 U	390 U	390 U	360 U
Hexachlorobutadiene	NS	380 U	380 U	400 U	390 U	390 U	360 U
2-Methylnaphthalene	NS	380 U	380 U	400 U	390 U	390 U	360 U
Hexachlorocyclopentadiene	NS	380 U	380 U	400 U	390 U	390 U	360 U
2,4,6-Trichlorophenol	NS	380 U	380 U	400 U	390 U	390 U	360 U
2,4,5-Trichlorophenol	NS	380 U	380 U	400 U	390 U	390 U	360 U
2-Chloronaphthalene	NS	380 U	380 U	400 U	390 U	390 U	360 U
2-Nitroaniline	NS	380 U	380 U	400 U	390 U	390 U	360 U
Dimethylphthalate	NS	380 U	380 U	400 U	390 U	390 U	360 U
Acenaphthylene	NS	380 U	380 U	400 U	390 U	390 U	360 U
2,6-Dinitrotoluene	NS	380 U	380 U	400 U	390 U	390 U	360 U
3-Nitroaniline	NS	380 U	380 U	400 U	390 U	390 U	360 U
Acenaphthene	NS	380 U	380 U	400 U	390 U	390 U	360 U
2,4-Dinitrophenol	NS	380 U	380 U	400 U	390 U	390 U	360 U
4-Nitrophenol	NS	380 U	380 U	400 U	390 U	390 U	360 U
Dibenzofuran	NS	380 U	380 U	400 U	390 U	390 U	360 U
2,4-Dinitrotoluene	NS	380 U	380 U	400 U	390 U	390 U	360 U
Diethylphthalate	NS	380 U	380 U	400 U	390 U	390 U	360 U
4-Chlorophenyl-phenylether	NS	380 U	380 U	400 U	390 U	390 U	360 U
Fluorene	NS	380 U	380 U	400 U	390 U	390 U	360 U
4-Nitroaniline	NS	380 U	380 U	400 U	390 U	390 U	360 U
4,6-Dinitro-2-methylphenol	NS	380 U	380 U	400 U	390 U	390 U	360 U
N-Nitrosodiphenylamine	NS	380 U	380 U	400 U	390 U	390 U	360 U
4-Bromophenyl-phenylether	NS	380 U	380 U	400 U	390 U	390 U	360 U
Hexachlorobenzene	NS	380 U	380 U	400 U	390 U	390 U	360 U
Pentachlorophenol	NS	380 U	380 U	400 U	390 U	390 U	360 U
Phenanthrene	NS	380 U	380 U	400 U	390 U	390 U	360 U
Anthracene	NS	380 U	380 U	400 U	390 U	390 U	360 U
Carbazole	NS	380 U	380 U	400 U	390 U	390 U	360 U
Di-n-butylphthalate	NS	380 U	380 U	400 U	390 U	390 U	360 U
Fluoranthene	NS	380 U	380 U	400 U	390 U	390 U	360 U
Pyrene	NS	380 U	380 U	400 U	390 U	390 U	360 U
Buylbenzylphthalate	NS	380 U	380 U	400 U	390 U	390 U	360 U
3,3'-Dichlorobenzidine	NS	380 U	380 U	400 U	390 U	390 U	360 U
Benzofuranthracene	NS	380 U	380 U	400 U	390 U	390 U	360 U
Chrysene	NS	380 U	380 U	400 U	390 U	390 U	360 U
bis(2-Ethylhexyl)phthalate	NS	490	480	380 U	380 U	380 U	360 U
Di-n-ocetylphthalate	NS	380 U	380 U	400 U	390 U	390 U	360 U
Benzofluoranthrene	NS	380 U	380 U	400 U	390 U	390 U	360 U
Benzokjluoranthrene	NS	380 U	380 U	400 U	390 U	390 U	360 U
Benzofluoranthrene	NS	380 U	380 U	400 U	390 U	390 U	360 U
Indeno(1,2,3-cd)pyrene	NS	380 U	380 U	400 U	390 U	390 U	360 U
Dibenz(f,h)anthracene	NS	380 U	380 U	400 U	390 U	390 U	360 U
Benzofluoranthrene	NS	380 U	380 U	400 U	390 U	390 U	360 U

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

MATRIX LOCATION SAMPLE DATE	WATER SEAD-17 01/25/94 MW17-1 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 209940	WATER SEAD-17 01/25/94 MW17-4RE 209940
ES ID	ES ID	ES ID	ES ID	ES ID	ES ID
LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID
UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
VOLATILE ORGANICS					
Chloromethane	10 U	10 U	10 U	10 U	NS
Bromomethane	10 U	10 U	10 U	10 U	NS
Vinyl Chloride	10 U	10 U	10 U	10 U	NS
Chloroethane	10 U	10 U	10 U	10 U	NS
Methylene Chloride	10 U	10 U	10 U	10 U	NS
Acetone	10 U	10 U	10 U	10 U	NS
Carbon Disulfide	10 U	10 U	10 U	10 U	NS
1,1-Dichloroethane	10 U	10 U	10 U	10 U	NS
1,1-Dichloroethane	10 U	10 U	10 U	10 U	NS
1,2-Dichloroethane (total)	10 U	10 U	10 U	10 U	NS
1,2-Dichloroethane	10 U	10 U	10 U	10 U	NS
2-Butanone	10 U	10 U	10 U	10 U	NS
1,1,1-Trichloroethane	10 U	10 U	10 U	10 U	NS
Carbon Tetrachloride	10 U	10 U	10 U	10 U	NS
Bromochloromethane	10 U	10 U	10 U	10 U	NS
1,2-Dichloropropane	10 U	10 U	10 U	10 U	NS
cis-1,3-Dichloropropene	10 U	10 U	10 U	10 U	NS
Trichloroethene	10 U	10 U	10 U	10 U	NS
Dibromochloromethane	10 U	10 U	10 U	10 U	NS
1,1,2-Trichloroethane	10 U	10 U	10 U	10 U	NS
Benzene	10 U	10 U	10 U	10 U	NS
trans-1,3-Dichloropropene	10 U	10 U	10 U	10 U	NS
Bromoforn	10 U	10 U	10 U	10 U	NS
4-Methyl-2-Pentanone	10 U	10 U	10 U	10 U	NS
2-Hexanone	10 U	10 U	10 U	10 U	NS
Tetrachloroethene	10 U	10 U	10 U	10 U	NS
1,1,2,2-Tetrachloroethane	10 U	10 U	10 U	10 U	NS
Toluene	10 U	10 U	10 U	10 U	NS
Chlorobenzene	10 U	10 U	10 U	10 U	NS
Ethylbenzene	10 U	10 U	10 U	10 U	NS
Styrene	10 U	10 U	10 U	10 U	NS
Xylene (total)	10 U	10 U	10 U	10 U	NS
MTBE	NS	NS	NS	NS	NS
HERBICIDES					
2,4-D	1.1 U	1.1 U	1.1 U	1.1 U	NS
2,4-DB	1.1 U	1.1 U	1.1 U	1.1 U	NS
2,4,5-T	0.11 U	0.11 U	0.11 U	0.11 U	NS
2,4,5-TP (Silvex)	0.11 U	0.11 U	0.11 U	0.11 U	NS
Dialapn	2.5 U	2.5 U	2.5 U	2.5 U	NS
Dicamba	0.11 U	0.11 U	0.11 U	0.11 U	NS
Dichloroprop	1.1 U	1.1 U	1.1 U	1.1 U	NS
Dinoseb	0.54 U	0.54 U	0.54 U	0.54 U	NS
MCPA	110 U	110 U	110 U	110 U	NS
MCPP	110 U	110 U	110 U	110 U	NS
NITROAROMATICS					
HMX	0.13 U	0.13 U	0.13 U	0.2 U	0.13 U
RDX	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,3,5-Trinitrobenzene	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,3-Dinitrobenzene	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Tetryl	0.13 U	0.08 J	0.13 U	0.13 U	0.13 U
2,4,6-Trinitrotoluene	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
4-amino-2,6-Dinitrotoluene	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
2-amino-4,6-Dinitrotoluene	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
2,6-Dinitrotoluene	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
2,4-Dinitrotoluene	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

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

MATRIX LOCATION SAMPLE DATE ES ID LAB ID	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 01/28/94 MW17-3 209944	WATER SEAD-17 01/25/94 MW17-4 209340	WATER SEAD-17 01/25/94 MW17-4RE 209340
COMPOUND	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
SEMI-VOLATILE ORGANICS						
Phenol	ug/L	11 U	11 U	10 U	11 U	NS
bis(2-Chloroethyl) ether	ug/L	11 U	11 U	10 U	11 U	NS
2-Chlorophenol	ug/L	11 U	11 U	10 U	11 U	NS
1,3-Dichlorobenzene	ug/L	11 U	11 U	10 U	11 U	NS
1,4-Dichlorobenzene	ug/L	11 U	11 U	10 U	11 U	NS
2-Methoxyphenol	ug/L	11 U	11 U	10 U	11 U	NS
2,2'-oxybis(1-Chloropropane)	ug/L	11 U	11 U	10 U	11 U	NS
4-Methoxyphenol	ug/L	11 U	11 U	10 U	11 U	NS
N-Nitroso-d-n-propylamine	ug/L	11 U	11 U	10 U	11 U	NS
Hexachloroethane	ug/L	11 U	11 U	10 U	11 U	NS
Nitrobenzene	ug/L	11 U	11 U	10 U	11 U	NS
Isophorone	ug/L	11 U	11 U	10 U	11 U	NS
2-Nitrophenol	ug/L	11 U	11 U	10 U	11 U	NS
2,4-Dimethylphenol	ug/L	11 U	11 U	10 U	11 U	NS
bis(2-Chloroethoxy) methane	ug/L	11 U	11 U	10 U	11 U	NS
2,4-Dichlorophenol	ug/L	11 U	11 U	10 U	11 U	NS
1,2,4-Trichlorobenzene	ug/L	11 U	11 U	10 U	11 U	NS
Naphthalene	ug/L	11 U	11 U	10 U	11 U	NS
4-Chloroaniline	ug/L	11 U	11 U	10 U	11 U	NS
Hexachlorobutadiene	ug/L	11 U	11 U	10 U	11 U	NS
4-Chloro-3-methylphenol	ug/L	11 U	11 U	10 U	11 U	NS
2-Methylnaphthalene	ug/L	11 U	11 U	10 U	11 U	NS
Hexachlorocyclopentadiene	ug/L	11 U	11 U	10 U	11 U	NS
2,4,6-Trichlorophenol	ug/L	11 U	11 U	10 U	11 U	NS
2,4,5-Trichlorophenol	ug/L	26 U	27 U	26 U	26 U	NS
2-Chloronaphthalene	ug/L	11 U	11 U	10 U	11 U	NS
2-Nitroaniline	ug/L	26 U	27 U	26 U	26 U	NS
Dimethylphthalate	ug/L	11 U	11 U	10 U	11 U	NS
Acenaphthylene	ug/L	11 U	11 U	10 U	11 U	NS
2,6-Dinitrotoluene	ug/L	11 U	11 U	10 U	11 U	NS
3-Nitroaniline	ug/L	26 U	27 U	26 U	26 U	NS
Acenaphthene	ug/L	11 U	11 U	10 U	11 U	NS
2,4-Dinitrophenol	ug/L	26 U	27 U	26 U	26 U	NS
4-Nitrophenol	ug/L	11 U	11 U	10 U	11 U	NS
Dibenzofuran	ug/L	11 U	11 U	10 U	11 U	NS
2,4-Dinitrotoluene	ug/L	11 U	11 U	10 U	11 U	NS
Diethylphthalate	ug/L	11 U	11 U	10 U	11 U	NS
4-Chlorophenyl-phenylether	ug/L	11 U	11 U	10 U	11 U	NS
Fluorene	ug/L	11 U	11 U	10 U	11 U	NS
4-Nitroaniline	ug/L	26 U	27 U	26 U	26 U	NS
4,6-Dinitro-2-methylphenol	ug/L	11 U	11 U	10 U	11 U	NS
N-Nitrosodiphenylamine	ug/L	11 U	11 U	10 U	11 U	NS
4-Bromophenyl-phenylether	ug/L	11 U	11 U	10 U	11 U	NS
Hexachlorobenzene	ug/L	26 U	27 U	26 U	26 U	NS
Pentachlorophenol	ug/L	11 U	11 U	10 U	11 U	NS
Phenanthrene	ug/L	11 U	11 U	10 U	11 U	NS
Anthracene	ug/L	11 U	11 U	10 U	11 U	NS
Carbazole	ug/L	11 U	11 U	10 U	11 U	NS
Di-n-butylphthalate	ug/L	11 U	11 U	10 U	11 U	NS
Fluoranthene	ug/L	11 U	11 U	10 U	11 U	NS
Pyrene	ug/L	11 U	11 U	10 U	11 U	NS
Butylbenzylphthalate	ug/L	11 U	11 U	10 U	11 U	NS
3,3-Dichlorobenzidine	ug/L	11 U	11 U	10 U	11 U	NS
Benzo(a)anthracene	ug/L	11 U	11 U	10 U	11 U	NS
Chrysene	ug/L	11 U	11 U	10 U	11 U	NS
bis(2-Ethylhexyl)phthalate	ug/L	11 U	11 U	10 U	11 U	NS
Di-n-octylphthalate	ug/L	11 U	11 U	10 U	11 U	NS
Benzo(b)fluoranthene	ug/L	11 U	11 U	10 U	11 U	NS
Benzo(k)fluoranthene	ug/L	11 U	11 U	10 U	11 U	NS
Benzo(a)pyrene	ug/L	11 U	11 U	10 U	11 U	NS
Indeno(1,2,3-cd)pyrene	ug/L	11 U	11 U	10 U	11 U	NS
Dibenz(a,h)anthracene	ug/L	11 U	11 U	10 U	11 U	NS
Benzo(g,h,i)perylene	ug/L	11 U	11 U	10 U	11 U	NS

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

COMPOUND	MATRIX LOCATION SAMPLE DATE	WATER SEAD-17 01/25/94 MW17-1 209339		WATER SEAD-17 11/18/93 MW17-2 205059		WATER SEAD-17 01/26/94 MW17-3 209344		WATER SEAD-17 01/25/94 MW17-4 209340		WATER SEAD-17 01/25/94 MW17-4RE 209340	
		ES ID	LAB ID	ES ID	LAB ID	ES ID	LAB ID	ES ID	LAB ID	ES ID	LAB ID
PESTICIDES/PCB											
alpha-BHC	ug/L	0.052 U		0.053 U		0.052 U		0.053 U		NS	
beta-BHC	ug/L	0.052 U		0.053 U		0.052 U		0.053 U		NS	
delta-BHC	ug/L	0.052 U		0.053 U		0.052 U		0.053 U		NS	
gamma-BHC (Lindane)	ug/L	0.052 U		0.053 U		0.052 U		0.053 U		NS	
Heptachlor	ug/L	0.052 U		0.053 U		0.052 U		0.053 U		NS	
Aldrin	ug/L	0.052 U		0.053 U		0.052 U		0.053 U		NS	
Heptachlor epoxide	ug/L	0.052 U		0.053 U		0.052 U		0.053 U		NS	
Endosulfan I	ug/L	0.052 U		0.053 U		0.052 U		0.053 U		NS	
Endosulfan II	ug/L	0.1 U		0.1 U		0.1 U		0.1 U		NS	
4,4'-DDE	ug/L	0.1 U		0.1 U		0.1 U		0.1 U		NS	
Endrin	ug/L	0.1 U		0.1 U		0.1 U		0.1 U		NS	
Endosulfan II	ug/L	0.1 U		0.1 U		0.1 U		0.1 U		NS	
4,4'-DDD	ug/L	0.1 U		0.1 U		0.1 U		0.1 U		NS	
Endosulfan sulfate	ug/L	0.1 U		0.1 U		0.1 U		0.1 U		NS	
4,4'-DDT	ug/L	0.1 U		0.1 U		0.1 U		0.1 U		NS	
Methoxychlor	ug/L	0.52 U		0.53 U		0.52 U		0.53 U		NS	
Endrin ketone	ug/L	0.1 U		0.1 U		0.1 U		0.1 U		NS	
Endrin aldehyde	ug/L	0.1 U		0.1 U		0.1 U		0.1 U		NS	
alpha-Chlordane	ug/L	0.052 U		0.053 U		0.052 U		0.053 U		NS	
gamma-Chlordane	ug/L	0.052 U		0.053 U		0.052 U		0.053 U		NS	
Toxaphene	ug/L	5.2 U		5.3 U		5.2 U		5.3 U		NS	
Aroclor-1016	ug/L	1 U		1 U		1 U		1 U		NS	
Aroclor-1221	ug/L	2.1 U		2.1 U		2.1 U		2.1 U		NS	
Aroclor-1232	ug/L	1 U		1 U		1 U		1 U		NS	
Aroclor-1242	ug/L	1 U		1 U		1 U		1 U		NS	
Aroclor-1246	ug/L	1 U		1 U		1 U		1 U		NS	
Aroclor-1254	ug/L	1 U		1 U		1 U		1 U		NS	
Aroclor-1260	ug/L	1 U		1 U		1 U		1 U		NS	
METALS											
Aluminum	ug/L	10800		7220		1070		774		NS	
Antimony	ug/L	21.4 U		52.4 U		21.6 U		21.6 U		NS	
Arsenic	ug/L	5.8 J		3.2 J		1.4 U		0.87 J		NS	
Barium	ug/L	147 J		77.9 J		24.4 J		33.4 J		NS	
Beryllium	ug/L	0.52 J		0.4 J		0.4 U		0.4 U		NS	
Cadmium	ug/L	2.1 U		3.3 U		2.1 U		2.1 U		NS	
Calcium	ug/L	170000		149000		110000		113000		NS	
Chromium	ug/L	17.3		12.9		2.6 U		2.6 U		NS	
Cobalt	ug/L	11.4 J		7 J		4.4 U		4.4 U		NS	
Copper	ug/L	18300		11.7 J		3.1 U		3.1 U		NS	
Iron	ug/L	40200		12200		1870		1100		NS	
Lead	ug/L	8.7		32.3		0.52 J		1.9 J		NS	
Magnesium	ug/L	473		24400		17800		17800		NS	
Manganese	ug/L	0.05 J		0.07 U		0.04 U		0.07 J		NS	
Mercury	ug/L	24.4 J		15.4 J		4 U		4 U		NS	
Nickel	ug/L	4740 J		4280 J		0.69 U		0.7 U		NS	
Potassium	ug/L	2 J		6.6 U		4.2 U		4.2 U		NS	
Selenium	ug/L	4.2 U		44300		46100		46100		NS	
Silver	ug/L	8270		1.8 U		1.2 U		1.2 U		NS	
Sodium	ug/L	19.9 J		12.8 J		3.7 U		3.7 U		NS	
Thallium	ug/L	100		33		16.4 J		13 J		NS	
Vanadium	ug/L	5 U		5 U		5 U		5 U		NS	
Zinc	ug/L	0.26		0.13		0.09		0.05		NS	
Cyanide	ug/L	NS		NS		NS		NS		NS	
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/L	NS		NS		NS		NS		NS	
Total Petroleum Hydrocarbons	mg/L	NS		NS		NS		NS		NS	
Fluoride	mg/L	7.43		7.46		7.59		7.53		NS	
pH	standard units	390		675		420		370		NS	
Specific Conductivity	umhos/cm	427		176		47		5.4		NS	
Turbidity	NTU										

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 SS24-2 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
VOLATILE ORGANICS									
Chloromethane	14 U	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Bromomethane	14 U	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Vinyl Chloride	14 U	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Chloroethane	14 U	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Methylene Chloride	14 U	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Acetone	14 U	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Carbon Disulfide	14 U	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
1,1-Dichloroethane	14 U	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
1,1-Dichloroethane	14 U	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
1,2-Dichloroethane (total)	14 U	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Chloroform	5 J	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
1,2-Dichloroethane	14 U	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
2-Butanone	14 U	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
1,1,1-Trichloroethane	14 U	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Carbon Tetrachloride	14 U	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Bromodichloromethane	14 U	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
1,2-Dichloropropane	14 U	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
cis-1,3-Dichloropropene	14 U	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Trichloroethene	14 U	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Dibromochloromethane	14 U	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
1,1,2-Trichloroethane	14 U	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Benzene	14 U	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
trans-1,3-Dichloropropene	14 U	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Bromolform	14 U	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
4-Methyl-2-Pentanone	14 U	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
2-Hexanone	14 U	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Tetrachloroethene	14 U	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
1,1,2,2-Tetrachloroethane	14 U	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Toluene	14 U	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Chlorobenzene	14 U	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Ethylbenzene	14 U	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Styrene	14 U	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
Xylene (total)	14 U	13 U	11 U	12 U	12 U	13 U	12 U	14 U	13 U
MTBE	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES									
2,4-D	61 U	67 U	55 U	62 U	61 U	64 U	61 U	69 U	61 U
2,4-DB	61 U	67 U	55 U	62 U	61 U	64 U	61 U	69 U	61 U
2,4,5-T	6.1 U	6.7 U	5.5 U	6.2 U	6.1 U	6.4 U	6.1 U	6.9 U	6.1 U
2,4,5-TP (Silvex)	150 U	160 U	140 U	150 U	150 U	160 U	150 U	170 U	150 U
Dalapon	6.1 U	6.7 U	5.5 U	6.2 U	6.1 U	6.4 U	6.1 U	6.9 U	6.1 U
Dicamba	61 U	67 U	55 U	62 U	61 U	64 U	61 U	69 U	61 U
Dichloroprop	34 U	34 U	28 U	31 U	31 U	32 U	31 U	35 U	31 U
Dinoseb	6100 U	6700 U	5500 U	6200 U	6100 U	6400 U	6100 U	6900 U	6100 U
MCPA	6600	6700 U	5500 U	6200 U	6100 U	6400 U	6100 U	6900 U	6100 U
MCPP									
NITROAROMATICS									
HMX	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
RDX	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
1,3,5-Trinitrobenzene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
1,3-Dinitrobenzene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
Tetryl	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,4,6-Trinitrotoluene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
4-amino-2,6-Dinitrotoluene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2-amino-4,6-Dinitrotoluene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,4-Dinitrotoluene	130 U	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

COMPOUND	MATRIX LOCATION DEPTH (FEET)	SOIL SEAD-24 0-0.2	SOIL SEAD-24 0-0.2	SOIL SEAD-24 0-0.2	SOIL SEAD-24 0-0.2	SOIL SEAD-24 0-0.2	SOIL SEAD-24 0-0.2	SOIL SEAD-24 0-0.2	SOIL SEAD-24 0-0.2
	SAMPLE DATE	10/22/93	10/22/93	10/22/93	10/22/93	10/22/93	10/22/93	10/22/93	10/22/93
	ES ID	SS24-1	SS24-2	SS24-3	SS24-4	SS24-5	SS24-6	SS24-7	SS24-8
	LAB ID	202078	202079	202080	202081	202082	202083	202084	202085
UNITS									
SEMIVOLATILE ORGANICS									
Phenol	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
bis(2-Chloroethyl) ether	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
2-Chlorophenol	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
1,3-Dichlorobenzene	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
1,4-Dichlorobenzene	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
1,2-Dichlorobenzene	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
2-Methylphenol	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
4-Methylphenol	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
N-Nitroso-di-n-propylamine	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
Hexachloroethane	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
Nitrobenzene	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
Isophorone	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
2-Nitrophenol	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
2,4-Dimethylphenol	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
bis(2-Chloroethoxy) methane	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
2,4-Dichlorophenol	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
1,2,4-Trichlorobenzene	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
Naphthalene	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
4-Chloroaniline	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
Hexachlorobutadiene	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
4-Chloro-3-methylphenol	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
2-Methylnaphthalene	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
Hexachlorocyclopentadiene	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
2,4,6-Trichlorophenol	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
2,4,5-Trichlorophenol	ug/Kg	1100 U	1100 U	880 U	980 U	3900 U	1000 U	980 U	1100 U
2-Chloronaphthalene	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
2-Nitroaniline	ug/Kg	1100 U	1100 U	880 U	980 U	3900 U	1000 U	980 U	1100 U
Dimethyl phthalate	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
Acenaphthylene	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
2,9-Dinitrotoluene	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
3-Nitroaniline	ug/Kg	1100 U	1100 U	880 U	980 U	3900 U	1000 U	980 U	1100 U
Acenaphthene	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
4-Nitrophenol	ug/Kg	1100 U	1100 U	880 U	980 U	3900 U	1000 U	980 U	1100 U
Dibenzofuran	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
2,4-Dinitrotoluene	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
Diethylphthalate	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
Fluorene	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
4-Chlorophenyl-phenylether	ug/Kg	1100 U	1100 U	880 U	980 U	3900 U	1000 U	980 U	1100 U
4,6-Dinitro-2-methylphenol	ug/Kg	30 J	30 J	74 J	70 J	650 J	420 U	400 U	450 U
N-Nitrosodiphenylamine	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
4-Bromophenyl-phenylether	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
Hexachlorobenzene	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
Pentachlorophenol	ug/Kg	1100 U	1100 U	880 U	980 U	3900 U	1000 U	980 U	1100 U
Phenanthrene	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
Anthracene	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
Carbazole	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
Di-n-butylphthalate	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
Fluoranthene	ug/Kg	260 J	260 J	210 J	210 J	370 J	25 J	400 U	450 U
Pyrene	ug/Kg	260 J	260 J	210 J	210 J	370 J	82 J	400 U	450 U
Butylbenzylphthalate	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
3,3'-Dichlorobenzidine	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
Benzo(a)anthracene	ug/Kg	280 J	280 J	220 J	220 J	350 J	72 J	400 U	450 U
Chrysene	ug/Kg	320 J	320 J	250 J	250 J	310 J	51 J	400 U	450 U
bis(2-Ethylhexyl)phthalate	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
Di-n-octylphthalate	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
Benzo(b)fluoranthene	ug/Kg	350 J	350 J	280 J	280 J	340 J	42 J	400 U	450 U
Benzo(k)fluoranthene	ug/Kg	420 J	420 J	340 J	340 J	410 J	40 J	400 U	450 U
Benzo(a)pyrene	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
Indeno(1,2,3-cd)pyrene	ug/Kg	220 J	220 J	170 J	170 J	210 J	22 J	400 U	450 U
Dibenzo(a,h)anthracene	ug/Kg	440 U	440 U	360 U	400 U	1600 U	420 U	400 U	450 U
Benzo(g,h,i)perylene	ug/Kg	170 J	170 J	130 J	130 J	160 J	24 J	400 U	450 U

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

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-24 0-0.2 10/22/93 SS24-1 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	2.3 U	1.9 U	2.1 U	2 U	2.1 U	2.1 U	2.3 U	2 U
beta-BHC	ug/Kg	2 U	2.3 U	1.9 U	2.1 U	2 U	2.1 U	2.1 U	2.3 U	2 U
delta-BHC	ug/Kg	2 U	2.3 U	1.9 U	2.1 U	2 U	2.1 U	2.1 U	2.3 U	2 U
gamma-BHC (lindane)	ug/Kg	2 U	2.3 U	1.9 U	2.1 U	2 U	2.1 U	2.1 U	2.3 U	2 U
Heptachlor	ug/Kg	2 U	2.3 U	1.9 U	2.1 U	2 U	2.1 U	2.1 U	2.3 U	2 U
Aldrin	ug/Kg	2 U	2.3 U	1.9 U	2.1 U	2 U	2.1 U	2.1 U	2.3 U	2 U
Heptachlor epoxide	ug/Kg	2 U	2.3 U	1.9 U	2.1 U	2 U	2.1 U	2.1 U	2.3 U	2 U
Endosulfan I	ug/Kg	2 U	2.3 U	1.9 U	2.1 U	2 U	2.1 U	2.1 U	2.3 U	2 U
Dieldrin	ug/Kg	4 U	4.4 U	3.6 U	4.1 U	4 U	4.1 U	4 U	4.5 U	4 U
4,4'-DDE	ug/Kg	4 U	4.4 U	3.6 U	4.1 U	4 U	4.1 U	4 U	4.5 U	4 U
Endrin	ug/Kg	4 U	4.4 U	3.6 U	4.1 U	4 U	4.1 U	4 U	4.5 U	4 U
Endosulfan II	ug/Kg	4 U	4.4 U	3.6 U	4.1 U	4 U	4.1 U	4 U	4.5 U	4 U
4,4'-DDD	ug/Kg	4 U	4.4 U	3.6 U	4.1 U	4 U	4.1 U	4 U	4.5 U	4 U
Endosulfan sulfate	ug/Kg	4 U	4.4 U	3.6 U	4.1 U	4 U	4.1 U	4 U	4.5 U	4 U
4,4'-DDT	ug/Kg	4 U	4.4 U	3.6 U	4.1 U	4 U	4.1 U	4 U	4.5 U	4 U
Methoxychlor	ug/Kg	20 U	23 U	19 U	21 U	20 U	21 U	35	4.5 U	4 U
Endrin ketone	ug/Kg	4 U	4.4 U	3.6 U	4.1 U	4 U	4.1 U	4 U	4.5 U	4 U
Endrin aldehyde	ug/Kg	4 U	4.4 U	3.6 U	4.1 U	4 U	4.1 U	4 U	4.5 U	4 U
alpha-Chlordane	ug/Kg	2 U	2.3 U	1.9 U	2.1 U	2 U	2.1 U	4.7 J	4.5 U	4 U
gamma-Chlordane	ug/Kg	2 U	2.3 U	1.9 U	2.1 U	2 U	2.1 U	6	4.5 U	4 U
Toxaphene	ug/Kg	200 U	230 U	190 U	210 U	200 U	210 U	210 U	230 U	200 U
Aroclor-1016	ug/Kg	40 U	44 U	36 U	41 U	40 U	41 U	40 U	45 U	40 U
Aroclor-1221	ug/Kg	81 U	89 U	74 U	82 U	80 U	83 U	82 U	92 U	81 U
Aroclor-1232	ug/Kg	40 U	44 U	36 U	41 U	40 U	41 U	40 U	45 U	40 U
Aroclor-1242	ug/Kg	40 U	44 U	36 U	41 U	40 U	41 U	40 U	45 U	40 U
Aroclor-1248	ug/Kg	40 U	44 U	36 U	41 U	40 U	41 U	40 U	45 U	40 U
Aroclor-1254	ug/Kg	40 U	44 U	36 U	41 U	40 U	41 U	40 U	45 U	40 U
Aroclor-1260	ug/Kg	40 U	44 U	36 U	41 U	40 U	41 U	40 U	45 U	40 U
METALS										
Aluminum	mg/Kg	9540	18900	12000	18900	13200	13600	18700	14700	11500
Antimony	mg/Kg	10.3 LU	11.6 LU	11.4 LU	11.1 LU	12.1 LU	10.4 LU	8.7 LU	12.3 LU	10.9 LU
Arsenic	mg/Kg	51.1	53.5	53.5	20.7	22.1	56.8	9.9	12.1	38.5
Barium	mg/Kg	71.6	149	57.8	105	121	81.9	118	105	86.8
Beryllium	mg/Kg	0.43 J	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	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	3290	23600	2140	23000	19900	2100	3940	11800
Chromium	mg/Kg	12.2	24.5	22.2	23.9	21.9	20.4	25.2	25.3	20
Cobalt	mg/Kg	4.7 J	13.9	10.9	11.5	10.4 J	10.6	13	12.6	10.7
Copper	mg/Kg	13.5 J	20 J	28.2 J	26.1 J	35.2 J	22.2 J	23.9 J	25.5 J	32.4 J
Iron	mg/Kg	14000	30900	25500	29200	25000	24300	29100	29700	23900
Lead	mg/Kg	15.1	46.6	59.4	51.3	42.2	40.7	15.4	24.4	86.5
Magnesium	mg/Kg	43700	4320	5960	4600	5470	4400	5190	4730	5010
Manganese	mg/Kg	393	1770	353	244	550	724	677	448	546
Mercury	mg/Kg	0.04 J	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	30	39.5	26.4	31.6	26.8	30.1	34.8	32.3
Potassium	mg/Kg	1140	1340	1190	1710	1560	1360	2090	1590	1020 J
Selenium	mg/Kg	0.2 LU	0.23 LU	0.2 LU	0.26 LU	0.23 LU	0.21 LU	0.22 LU	0.23 LU	0.2 LU
Silver	mg/Kg	1.3 U	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	51.9 J	86.4 J	56 J	86.4 J	69.8 J	52.3 J	59.8 J	66 J
Thallium	mg/Kg	2.2 U	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	30.1	17.1	32.8	22.3	24.4	32.8	27.2	18.3
Zinc	mg/Kg	58.7	129	100	85.1	56.6	97.2	63.8	86.5	143
Cyanide	mg/Kg	0.08 U	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	0.56	0.22	0.18	0.6	0.11	0.26	0.16	0.28
Total Solids	%W/W	81.6	75.4	91.4	80.7	78.6	78.6	82.2	73.2	81.7
Total Petroleum Hydrocarbons	mg/Kg	99	81	73	72	81.9	93	59	46	61
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-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 202092 SS24-9DUP	SOIL SEAD-24 0-0.2 10/22/93 SS24-10 202089	SOIL SEAD-24 0-0.2 10/22/93 SS24-11 202090	SOIL SEAD-24 0-0.2 10/22/93 SS24-12 202091	SOIL SEAD-24 0-0.2 10/22/93 SS24-12RE 202091	SOIL SEAD-24 0-2 11/30/93 SB24-1.1 205918	SOIL SEAD-24 4-6 11/30/93 SB24-1.3RE 205919	SOIL SEAD-24 10-12 11/30/93 SB24-1.5 205920
COMPOUNDS								
VOLATILE ORGANICS								
Chloroethane	13 U	13 U	11 U	13 U	13 U	12 U	NS	11 U
Bromomethane	13 U	13 U	11 U	13 U	13 U	12 U	NS	11 U
Vinyl Chloride	13 U	13 U	11 U	13 U	13 U	12 U	NS	11 U
Chloroethane	13 U	13 U	11 U	13 U	13 U	12 U	NS	11 U
Methylene Chloride	13 U	13 U	11 U	13 U	13 U	12 U	NS	11 U
Acetone	13 U	13 U	11 U	13 U	13 U	12 U	NS	11 U
Carbon Disulfide	13 U	13 U	11 U	13 U	13 U	12 U	NS	11 U
1,1-Dichloroethane	13 U	13 U	11 U	13 U	13 U	12 U	NS	11 U
1,1-Dichloroethane	13 U	13 U	11 U	13 U	13 U	12 U	NS	11 U
1,2-Dichloroethane (total)	13 U	13 U	11 U	13 U	13 U	12 U	NS	11 U
Chloroform	4 J	13 U	11 U	13 U	13 U	12 U	NS	11 U
1,2-Dichloroethane	13 U	13 U	11 U	13 U	13 U	12 U	NS	11 U
2-Butanone	13 U	13 U	11 U	13 U	13 U	12 U	NS	11 U
1,1,1-Trichloroethane	13 U	13 U	11 U	13 U	13 U	12 U	NS	11 U
Carbon Tetrachloride	13 U	13 U	11 U	13 U	13 U	12 U	NS	11 U
Bromodichloromethane	13 U	13 U	11 U	13 U	13 U	12 U	NS	11 U
1,2-Dichloropropane	13 U	13 U	11 U	13 U	13 U	12 U	NS	11 U
cis-1,3-Dichloropropene	13 U	13 U	11 U	13 U	13 U	12 U	NS	11 U
Trichloroethene	13 U	13 U	11 U	13 U	13 U	12 U	NS	11 U
Dibromochloromethane	13 U	13 U	11 U	13 U	13 U	12 U	NS	11 U
1,1,2-Trichloroethane	13 U	13 U	11 U	13 U	13 U	12 U	NS	11 U
Benzene	13 U	13 U	11 U	13 U	13 U	12 U	NS	11 U
trans-1,3-Dichloropropene	13 U	13 U	11 U	13 U	13 U	12 U	NS	11 U
Bromoform	13 U	13 U	11 U	13 U	13 U	12 U	NS	11 U
4-Methyl-2-Pentanone	13 U	13 U	11 U	13 U	13 U	12 U	NS	11 U
2-Hexanone	13 U	13 U	11 U	13 U	13 U	12 U	NS	11 U
Tetrachloroethene	13 U	13 U	11 U	13 U	13 U	12 U	NS	11 U
1,1,2,2-Tetrachloroethane	13 U	13 U	11 U	13 U	13 U	12 U	NS	11 U
Toluene	13 U	13 U	11 U	13 U	13 U	12 U	NS	11 U
Chlorobenzene	13 U	13 U	11 U	13 U	13 U	12 U	NS	11 U
Ethylbenzene	13 U	13 U	11 U	13 U	13 U	12 U	NS	11 U
Styrene	13 U	13 U	11 U	13 U	13 U	12 U	NS	11 U
Xylene (total)	13 U	13 U	11 U	13 U	13 U	12 U	NS	11 U
MTBE	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES								
2,4-D	61 U	63 U	56 U	65 U	65 U	62 U	56 U	54 U
2,4-DB	61 U	63 U	56 U	65 U	65 U	62 U	56 U	54 U
2,4,5-T	61 U	63 U	56 U	65 U	65 U	62 U	56 U	54 U
2,4,5-TP (Sivex)	61 U	63 U	56 U	65 U	65 U	62 U	56 U	54 U
Dalapon	150 U	160 U	140 U	160 U	160 U	150 U	140 U	130 U
Dicamba	97	63 U	56 U	65 U	65 U	62 U	56 U	54 U
Dichloroprop	61 U	63 U	56 U	65 U	65 U	62 U	56 U	54 U
Dinoseb	31 U	32 U	28 U	33 U	33 U	31 U	28 U	27 U
MCPA	6100 U	6300 U	5600 U	6500 U	6500 U	6200 U	5600 U	5400 U
MCPP	6100 U	6300 U	5600 U	6500 U	6500 U	6200 U	5600 U	5400 U
NITROAROMATICS								
HMX	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
FDX	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
1,3,5-Trinitrobenzene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
1,3-Dinitrobenzene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
Tetryl	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,4,6-Trinitrotoluene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
4-amino-2,6-Dinitrotoluene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2-amino-4,6-Dinitrotoluene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,6-Dinitrotoluene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,4-Dinitrotoluene	560	130 U	130 U	130 U	130 U	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 0-0.2 10/22/93 SS24-10 202098	SOIL SEAD-24 0-0.2 10/22/93 SS24-11 202099	SOIL SEAD-24 0-0.2 10/22/93 SS24-12 202091	SOIL SEAD-24 0-0.2 10/22/93 SS24-12RE 202091	SOIL SEAD-24 0-0.2 11/30/93 SB24-1.1 205918	SOIL SEAD-24 4-6 11/30/93 SB24-1.3 205919	SOIL SEAD-24 4-6 11/30/93 SB24-1.3RE 205919	SOIL SEAD-24 10-12 11/30/93 SB24-1.5 205920
LAB ID	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
SEMIVOLATILE ORGANICS								
Phenol	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
bis(2-Chloroethyl) ether	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
2-Chlorophenol	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
1,3-Dichlorobenzene	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
1,4-Dichlorobenzene	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
1,2-Dichlorobenzene	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
2-Methylphenol	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
2,2'-oxybis(1-Chloropropane)	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
4-Methylphenol	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
N-Nitroso-di-n-propylamine	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
Hexachloroethane	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
Nitrobenzene	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
Isophorone	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
2-Nitrophenol	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
2,4-Dimethylphenol	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
bis(2-Chloroethyl) methane	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
2,4-Dichlorophenol	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
1,2,4-Trichlorobenzene	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
Naphthalene	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
4-Chloroaniline	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
Hexachlorobutadiene	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
4-Chloro-3-methylphenol	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
2-Methylnaphthalene	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
Hexachlorocyclopentadiene	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
2,4,6-Trichlorophenol	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
2,4,5-Trichlorophenol	3900 U	1000 U	1000 U	NS	980 U	900 U	900 U	850 U
2-Chloronaphthalene	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
2-Nitroaniline	3900 U	1000 U	1000 U	NS	980 U	900 U	900 U	850 U
Dimethylphthalate	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
Acenaphthylene	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
2,6-Dinitrotoluene	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
3-Nitroaniline	3900 U	1000 U	1000 U	NS	980 U	900 U	900 U	850 U
Acenaphthene	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
2,4-Dinitrophenol	3900 U	1000 U	1000 U	NS	980 U	900 U	900 U	850 U
4-Nitrophenol	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
Dibenzofuran	7600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
2,4-Dinitrotoluene	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
Diethylphthalate	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
4-Chlorophenyl-phenylether	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
Fluorene	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
4-Nitroaniline	3900 U	1000 U	1000 U	NS	980 U	900 U	900 U	850 U
4,6-Dinitro-2-methylphenol	3900 U	1000 U	1000 U	NS	980 U	900 U	900 U	850 U
N-Nitrosodiphenylamine	810 J	420 U	430 U	NS	400 U	370 U	370 U	350 U
4-Bromophenyl-phenylether	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
Hexachlorobenzene	3900 U	1000 U	1000 U	NS	980 U	900 U	900 U	850 U
Pentachlorophenol	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
Phenanthrene	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
Anthracene	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
Carbazole	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
Di-n-butylphthalate	1100 J	420 U	430 U	NS	400 U	370 U	370 U	350 U
Fluoranthene	160 J	420 U	430 U	NS	400 U	370 U	370 U	350 U
Pyrene	150 J	420 U	430 U	NS	400 U	370 U	370 U	350 U
Butylbenzylphthalate	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
3,3-Dichlorobenzidine	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
Benzo(a)anthracene	78 J	420 U	430 U	NS	400 U	370 U	370 U	350 U
Chrysene	100 J	420 U	430 U	NS	400 U	370 U	370 U	350 U
bis(2-Ethylhexyl)phthalate	620	420 U	430 U	NS	400 U	370 U	370 U	350 U
Di-n-octylphthalate	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
Benzo(b)fluoranthene	83 J	420 U	430 U	NS	400 U	370 U	370 U	350 U
Benzo(k)fluoranthene	74 J	420 U	430 U	NS	400 U	370 U	370 U	350 U
Benzo(a)pyrene	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
Indeno(1,2,3-cd)pyrene	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
Dibenz(a,h)anthracene	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U
Benzo(g,h,i)perylene	1600 U	420 U	430 U	NS	400 U	370 U	370 U	350 U

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

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-24 0-2	SOIL SEAD-24 6-8	SOIL SEAD-24 12-14	SOIL SEAD-24 18-20	SOIL SEAD-24 24-26	SOIL SEAD-24 30-32	SOIL SEAD-24 36-38	SOIL SEAD-24 42-44	SOIL SEAD-24 48-50
COMPOUND UNITS	NS	NS	NS	NS	NS	NS	NS	NS	NS
VOLATILE ORGANICS									
Chloromethane	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Bromomethane	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Vinyl Chloride	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Chloroethane	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Methylene Chloride	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Acetone	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Carbon Disulfide	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
1,1-Dichloroethane	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
1,1-Dichloroethane (total)	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
1,2-Dichloroethane	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
1,2-Dichloroethane	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
2-Butanone	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
1,1,1-Trichloroethane	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Carbon Tetrachloride	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Bromodichloromethane	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
1,2-Dichloropropane	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
cis-1,3-Dichloropropene	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Trichloroethene	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Dibromochloromethane	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
1,1,2-Trichloroethane	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Benzene	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
trans-1,3-Dichloropropene	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Bromolorm	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
4-Methyl-2-Pentanone	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
2-Hexanone	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Tetrachloroethene	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
1,1,2,2-Tetrachloroethane	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Toluene	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Chlorobenzene	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Ethylbenzene	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Styrene	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Xylene (total)	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
MTBE	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES									
2,4-D	59 U	56 U	54 U	54 U	54 U	54 U	54 U	54 U	59 U
2,4-DB	59 U	56 U	54 U	54 U	54 U	54 U	54 U	54 U	59 U
2,4,5-T	5,9 U	5,6 U	5,4 U	5,4 U	5,4 U	5,4 U	5,4 U	5,4 U	5,9 U
2,4,5-TP (Silvex)	5,9 U	5,6 U	5,4 U	5,4 U	5,4 U	5,4 U	5,4 U	5,4 U	5,9 U
Dialapron	150 U	140 U	130 U	130 U	130 U	130 U	130 U	130 U	140 U
Dicamba	5,9 U	5,6 U	5,4 U	5,4 U	5,4 U	5,4 U	5,4 U	5,4 U	5,9 U
Dichloroprop	59 U	56 U	54 U	54 U	54 U	54 U	54 U	54 U	59 U
Dinoseb	30 U	28 U	27 U	27 U	27 U	27 U	27 U	27 U	30 U
MCPA	5900 U	5600 U	5400 U	5400 U	5400 U	5400 U	5400 U	5400 U	5900 U
MCPP	5900 U	5600 U	5400 U	5400 U	5400 U	5400 U	5400 U	5400 U	5900 U
NITROAROMATICS									
HMX	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
RDXX	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
1,3,5-Trinitrobenzene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
1,3-Dinitrobenzene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
Tetryl	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,4,6-Trinitrotoluene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
4-amino-2,6-Dinitrotoluene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2-amino-4,6-Dinitrotoluene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,6-Dinitrotoluene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,4-Dinitrotoluene	130 U	130 U	130 U	130 U	130 U	130 U	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 SB24-3.5 206046	SOIL SEAD-24 0-2 SB24-4.1 205953	SOIL SEAD-24 6-8 SB24-4.4 205954	SOIL SEAD-24 12-14 SB24-4.7 205955	SOIL SEAD-24 12-14 SB24-4.7RE 205955	SOIL SEAD-24 0-2 SB24-5.1 206047	SOIL SEAD-24 4-6 SB24-5.3 206048	SOIL SEAD-24 8-10 SB24-5.5 206049
LAB ID UNITS	206046	205953	205954	205955	205955	206047	206048	206049
VOLATILE ORGANICS								
Chloromethane	11 U	12 U	12 U	11 U	11 U	12 U	11 U	11 U
Bromomethane	11 U	12 U	12 U	11 U	11 U	12 U	11 U	11 U
Vinyl Chloride	11 U	12 U	12 U	11 U	11 U	12 U	11 U	11 U
Chloroethane	11 U	12 U	12 U	11 U	11 U	12 U	11 U	11 U
Methylene Chloride	11 U	12 U	12 U	9 J	9 J	12 U	11 U	2 J
Acetone	11 U	12 U	12 U	20 U	6 J	12 U	11 U	11 U
Carbon Disulfide	11 U	12 U	12 U	11 U	11 U	12 U	11 U	11 U
1,1-Dichloroethane	11 U	12 U	12 U	11 U	11 U	12 U	11 U	11 U
1,1-Dichloroethane	11 U	12 U	12 U	11 U	11 U	12 U	11 U	11 U
1,2-Dichloroethane (total)	11 U	12 U	12 U	11 U	11 U	12 U	11 U	11 U
Chloroform	11 U	5 J	12 U	11 U	3 J	12 U	11 U	11 U
1,2-Dichloroethane	11 U	12 U	12 U	11 U	11 U	12 U	11 U	11 U
2-Butanone	11 U	12 U	12 U	11 U	11 U	12 U	11 U	11 U
1,1,1-Trichloroethane	11 U	12 U	12 U	11 U	11 U	12 U	11 U	11 U
Carbon Tetrachloride	11 U	12 U	12 U	11 U	11 U	12 U	11 U	11 U
Bromodichloromethane	11 U	12 U	12 U	11 U	11 U	12 U	11 U	11 U
1,2-Dichloropropane	11 U	12 U	12 U	11 U	11 U	12 U	11 U	11 U
dis-1,3-Dichloropropane	11 U	12 U	12 U	11 U	11 U	12 U	11 U	11 U
Trichloroethane	11 U	12 U	12 U	11 U	11 U	12 U	11 U	11 U
Dibromochloromethane	11 U	12 U	12 U	11 U	11 U	12 U	11 U	11 U
1,1,2-Trichloroethane	11 U	12 U	12 U	11 U	11 U	12 U	11 U	11 U
Benzene	11 U	12 U	12 U	11 U	11 U	12 U	11 U	11 U
trans-1,3-Dichloropropene	11 U	12 U	12 U	11 U	11 U	12 U	11 U	11 U
Bromoforn	11 U	12 U	12 U	11 U	11 U	12 U	11 U	11 U
4-Methyl-2-Pentanone	11 U	12 U	12 U	11 U	11 U	12 U	11 U	11 U
2-Hexanone	11 U	12 U	12 U	11 U	11 U	12 U	11 U	11 U
Tetrachloroethane	11 U	12 U	12 U	11 U	11 U	12 U	11 U	11 U
1,1,2,2-Tetrachloroethane	11 U	12 U	12 U	11 U	11 U	12 U	11 U	11 U
Toluene	11 U	12 U	12 U	11 U	11 U	12 U	11 U	2 J
Chlorobenzene	11 U	12 U	12 U	11 U	11 U	12 U	11 U	1 J
Ethylbenzene	11 U	12 U	12 U	11 U	11 U	12 U	11 U	11 U
Styrene	11 U	12 U	12 U	11 U	11 U	12 U	11 U	11 U
Xylene (total)	11 U	12 U	12 U	11 U	11 U	12 U	11 U	11 U
MTBE	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES								
2,4-D	54 U	59 U	56 U	54 U	NS	63 U	54 U	57 U
2,4-DB	54 U	59 U	56 U	54 U	NS	63 U	54 U	57 U
2,4,5-T	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)	5.4 U	5.9 U	5.6 U	5.4 U	NS	6.3 U	5.4 U	5.7 U
Dalapon	130 U	150 U	140 U	130 U	NS	150 U	130 U	140 U
Dicamba	5.4 U	5.9 U	5.6 U	5.4 U	NS	6.3 U	5.4 U	5.7 U
Dichloroprop	54 U	59 U	56 U	54 U	NS	63 U	54 U	57 U
Dinoseb	27 U	30 U	28 U	27 U	NS	32 U	27 U	29 U
MCPA	5400 U	5900 U	5600 U	5400 U	NS	6300 U	5400 U	5700 U
MCPP	5400 U	5900 U	5600 U	5400 U	NS	6300 U	5400 U	5700 U
NITROAROMATICS								
HMX	130 U	130 U	130 U	130 U	NS	130 U	130 U	130 U
RDIX	130 U	130 U	130 U	130 U	NS	130 U	130 U	130 U
1,3,5-Trinitrobenzene	130 U	130 U	130 U	130 U	NS	130 U	130 U	130 U
1,3-Dinitrobenzene	130 U	130 U	130 U	130 U	NS	130 U	130 U	130 U
Tetryl	1600 U	110 U	130 U	130 U	NS	730 U	960 U	1700 U
2,4,6-Trinitrotoluene	130 U	130 U	130 U	130 U	NS	130 U	130 U	130 U
4-amino-2,6-Dinitrotoluene	130 U	130 U	130 U	130 U	NS	130 U	130 U	130 U
2-amino-4,6-Dinitrotoluene	130 U	130 U	130 U	130 U	NS	130 U	130 U	130 U
2,6-Dinitrotoluene	130 U	130 U	130 U	130 U	NS	130 U	130 U	130 U
2,4-Dinitrotoluene	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

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	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 SB24-4.7RE 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
	UNITS							
SEMIVOLATILE ORGANICS								
Phenol	ug/Kg	350 U	400 U	380 U	360 U	410 U	350 U	380 U
bis(2-Chloroethyl) ether	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
2-Chlorophenol	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
1,3-Dichlorobenzene	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
1,4-Dichlorobenzene	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
1,2-Dichlorobenzene	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
2-Methylphenol	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
4-Methylphenol	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
N-Nitroso-di-n-propylamine	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
Hexachloroethane	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
Nitrobenzene	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
Isophorone	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
2-Nitrophenol	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
2,4-Dimethylphenol	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
bis(2-Chloroethoxy) methane	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
2,4-Dichlorophenol	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
1,2,4-Trichlorobenzene	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
Naphthalene	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
4-Chloroaniline	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
Hexachlorobutadiene	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
4-Chloro-3-methylphenol	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
2-Methylnaphthalene	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
Hexachlorocyclopentadiene	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
2,4,6-Trichlorophenol	ug/Kg	860 U	960 U	910 U	860 U	1000 U	860 U	910 U
2,4,5-Trichlorophenol	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
2-Chloronaphthalene	ug/Kg	860 U	960 U	910 U	860 U	1000 U	860 U	910 U
2-Nitroaniline	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
Dimethyl phthalate	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
Acenaphthylene	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
2,6-Dinitrotoluene	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
3-Nitroaniline	ug/Kg	860 U	960 U	910 U	860 U	1000 U	860 U	910 U
Acenaphthene	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
2,4-Dinitrophenol	ug/Kg	860 U	960 U	910 U	860 U	1000 U	860 U	910 U
4-Nitrophenol	ug/Kg	860 U	960 U	910 U	860 U	1000 U	860 U	910 U
Dibenzofuran	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
2,4-Dinitrotoluene	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
Diethyl phthalate	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
4-Chlorophenyl-phenylether	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
Fluorene	ug/Kg	860 U	960 U	910 U	860 U	1000 U	860 U	910 U
4-Nitroaniline	ug/Kg	860 U	960 U	910 U	860 U	1000 U	860 U	910 U
4,6-Dinitro-2-methylphenol	ug/Kg	860 U	960 U	910 U	860 U	1000 U	860 U	910 U
N-Nitrosodiphenylamine	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
4-Bromophenyl-phenylether	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
Hexachlorobenzene	ug/Kg	860 U	960 U	910 U	860 U	1000 U	860 U	910 U
Pentachlorophenol	ug/Kg	860 U	960 U	910 U	860 U	1000 U	860 U	910 U
Phenanthrene	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
Anthracene	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
Carbazole	ug/Kg	22 J	400 U	350 U	360 U	410 U	350 U	380 U
Di-n-butylphthalate	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
Fluoranthene	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
Pyrene	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
Butyferzylphthalate	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
3,3'-Dichlorobenzidine	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
Benzo(a)anthracene	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
Chrysene	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
bis(2-Ethylhexyl)phthalate	ug/Kg	56 J	400 U	350 U	360 U	410 U	350 U	380 U
Di-n-octylphthalate	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
Benzo(b)fluoranthene	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
Benzo(k)fluoranthene	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
Benzo(a)pyrene	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
Indeno(1,2,3-cd)pyrene	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
Dibenz(a,h)anthracene	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U
Benzo(g,h,i)perylene	ug/Kg	350 U	400 U	350 U	360 U	410 U	350 U	380 U

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 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
PESTICIDES/PCB	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
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	3.5 U	4 U	3.7 U	3.6 U	NS	4.1 U	3.5 U	3.7 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
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	1.8 U	2 U	1.9 U	1.8 U	NS	2.1 U	1.8 U	1.9 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	76 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	mg/Kg	5820	20700	7470	11300	NS	16200	10100	13700
Aluminum	mg/Kg	10 UJ	7.2 UJ	6.3 UJ	6.5 UJ	NS	12.5 UJ	5.8 UJ	11.3 UJ
Antimony	mg/Kg	2.5	4.2	2.5	2.7	NS	4.2	3.3	5
Arsenic	mg/Kg	40.5	115	73.8	47	NS	117	58.3	67.2
Barium	mg/Kg	0.34 J	1.1	0.37 J	0.53 J	NS	0.98 J	0.48 J	0.62 J
Beryllium	mg/Kg	0.63 U	0.45 U	0.52 U	0.41 U	NS	0.78 U	0.36 U	0.7 U
Cadmium	mg/Kg	106000	3660	81400	30500	NS	4540	74200	49000
Calcium	mg/Kg	10.8	31	15.6	18.8	NS	24.5	16.9	23.1
Chromium	mg/Kg	6.7 J	20.5	5.7 J	10.3	NS	16	8.2	12
Cobalt	mg/Kg	14.6	25.3	18.1	28.4	NS	28.4	20.9	22.2
Copper	mg/Kg	14100	37700	14800	22600	NS	33600	21300	26700
Iron	mg/Kg	33.8 J	31.4 J	7.6 J	3.6 J	NS	45.5 J	8.7 J	7.9 J
Lead	mg/Kg	36700	6270	16900	7670	NS	5150	12100	11400
Magnesium	mg/Kg	949	802	409	400	NS	1080	400	450
Manganese	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
Mercury	mg/Kg	23.9	43.6	19.3	28.6	NS	37.3	26.4	35.2
Nickel	mg/Kg	1040	1520	1390	1140	NS	1170 J	993	1660
Potassium	mg/Kg	0.15 UJ	0.24 UJ	0.15 UJ	0.12 UJ	NS	0.15 UJ	0.23 UJ	0.22 UJ
Selenium	mg/Kg	1.3 U	0.91 U	1 U	0.83 U	NS	1.6 U	0.73 U	1.4 U
Silver	mg/Kg	133 J	58.3 J	138 J	131 J	NS	50.9 J	153 J	139 J
Sodium	mg/Kg	0.16 U	0.27 U	0.14 J	0.14 J	NS	0.16 U	0.25 U	0.24 U
Thallium	mg/Kg	10.7	32.6	13.4	14.6	NS	29.9	14.4	19.5
Vanadium	mg/Kg	39.6	209	58.7	30	NS	85.7	63.2	68.2
Zinc	mg/Kg	0.51 U	0.52 U	0.52 U	0.48 U	NS	0.6 U	0.51 U	0.57 U
Cyanide	mg/Kg	0.2	0.29	0.07	0.13	NS	0.27	0.15	0.33
OTHER ANALYSES	mg/Kg	93.2	83.5	88.2	92.1	NS	80.5	92.7	87.7
Nitrate/Nitrite - Nitrogen	%W/W	81	89	116	99	NS	89	52	94
Total Solids	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS
Total Petroleum Hydrocarbons	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS
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

MATRIX LOCATION SAMPLE DATE ES ID LAB ID UNITS	WATER SEAD-24 01/23/94 MW24-1 209254	WATER SEAD-24 01/23/94 MW24-1RE 209254	WATER SEAD-24 11/16/93 MW24-2 204657	WATER SEAD-24 11/15/93 MW24-3 204632
VOLATILE ORGANICS				
Chloromethane	10 U	NS	10 U	10 U
Bromomethane	10 U	NS	10 U	10 U
Vinyl Chloride	10 U	NS	10 U	10 U
Chloroethane	10 U	NS	10 U	10 U
Methylene Chloride	10 U	NS	18 U	10 U
Acetone	10 U	NS	10 U	10 U
Carbon Disulfide	10 U	NS	10 U	10 U
1,1-Dichloroethane	10 U	NS	10 U	10 U
1,2-Dichloroethane (total)	10 U	NS	10 U	10 U
Chloroform	10 U	NS	10 U	10 U
1,2-Dichloroethane	10 U	NS	10 U	10 U
2-Butanone	10 U	NS	10 U	10 U
1,1,1-Trichloroethane	10 U	NS	10 U	10 U
Carbon Tetrachloride	10 U	NS	10 U	10 U
Bromodichloromethane	10 U	NS	10 U	10 U
1,2-Dichloropropane	10 U	NS	10 U	10 U
cis-1,3-Dichloropropene	10 U	NS	10 U	10 U
Trichloroethene	10 U	NS	10 U	10 U
Dibromochloromethane	10 U	NS	10 U	10 U
1,1,2-Trichloroethane	10 U	NS	10 U	10 U
Benzene	10 U	NS	10 U	10 U
trans-1,3-Dichloropropene	10 U	NS	10 U	10 U
Bromoform	10 U	NS	10 U	10 U
4-Methyl-2-Pentanone	10 U	NS	10 U	10 U
2-Hexanone	10 U	NS	10 U	10 U
Tetrachloroethene	10 U	NS	10 U	10 U
1,1,2,2-Tetrachloroethane	10 U	NS	10 U	10 U
Toluene	10 U	NS	10 U	10 U
Chlorobenzene	10 U	NS	10 U	10 U
Ethylbenzene	10 U	NS	10 U	10 U
Styrene	10 U	NS	10 U	10 U
Xylene (total)	10 U	NS	10 U	10 U
MTBE	NS	NS	NS	NS
HERBICIDES				
2,4-D	1.2 U	NS	1.2 U	1.2 U
2,4-DB	1.2 U	NS	1.2 U	1.2 U
2,4,5-T	0.12 U	NS	0.12 U	0.12 U
2,4,5-TP (Silvex)	0.12 U	NS	0.12 U	0.12 U
Dialaon	2.7 U	NS	2.8 U	2.7 U
Dicamba	0.12 U	NS	0.12 U	0.12 U
Dichloroprop	1.2 U	NS	1.2 U	1.2 U
Dimoseb	0.58 U	NS	0.59 U	0.59 U
MCPA	120 U	NS	120 U	120 U
MCPP	120 U	NS	120 U	120 U
NITROAROMATICS				
HMX	0.13 UJ	0.13 UJ	0.13 UJ	0.13 U
RDX	0.13 UJ	0.13 UJ	0.13 UJ	0.13 U
1,3,5-Trinitrobenzene	0.13 UJ	0.13 UJ	0.13 UJ	0.13 U
1,3-Dinitrobenzene	0.13 UJ	0.13 UJ	0.13 UJ	0.13 U
Tetryl	0.13 UJ	0.13 UJ	0.13 UJ	0.13 U
2,4,6-Trinitrotoluene	0.13 UJ	0.13 UJ	0.13 UJ	0.13 U
4-amino-2,6-Dinitrotoluene	0.13 UJ	0.13 UJ	0.13 UJ	0.13 U
2-amino-4,6-Dinitrotoluene	0.13 UJ	0.13 UJ	0.13 UJ	0.13 U
2,6-Dinitrotoluene	0.13 UJ	0.13 UJ	0.13 UJ	0.13 U
2,4-Dinitrotoluene	0.13 UJ	0.13 UJ	0.13 UJ	0.13 U

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

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

WATER
 SEAD-24
 11/15/93
 MW24-3
 204632

WATER
 SEAD-24
 11/16/93
 MW24-2
 204657

WATER
 SEAD-24
 01/23/94
 MW24-1RE
 209254

WATER
 SEAD-24
 01/23/94
 MW24-1
 209254

MATRIX LOCATION
 SAMPLE DATE
 ES ID
 LAB ID
 UNITS

SEMIVOLATILE ORGANICS

Phenol	ug/L	11 U	NS	10 U	11 U
bis(2-Chloroethyl) ether	ug/L	11 U	NS	10 U	11 U
2-Chlorophenol	ug/L	11 U	NS	10 U	11 U
1,3-Dichlorobenzene	ug/L	11 U	NS	10 U	11 U
1,4-Dichlorobenzene	ug/L	11 U	NS	10 U	11 U
1,2-Dichlorobenzene	ug/L	11 U	NS	10 U	11 U
2-Methylphenol	ug/L	11 U	NS	10 U	11 U
2,2'-oxybis(1-Chloropropane)	ug/L	11 U	NS	10 U	11 U
4-Methylphenol	ug/L	11 U	NS	10 U	11 U
N-Nitroso-d-n-propylamine	ug/L	11 U	NS	10 U	11 U
Hexachloroethane	ug/L	11 U	NS	10 U	11 U
Nitrobenzene	ug/L	11 U	NS	10 U	11 U
Isophorone	ug/L	11 U	NS	10 U	11 U
2-Nitrophenol	ug/L	11 U	NS	10 U	11 U
2,4-Dimethylphenol	ug/L	11 U	NS	10 U	11 U
bis(2-Chloroethoxy) methane	ug/L	11 U	NS	10 U	11 U
2,4-Dichlorophenol	ug/L	11 U	NS	10 U	11 U
1,2,4-Trichlorobenzene	ug/L	11 U	NS	10 U	11 U
Naphthalene	ug/L	11 U	NS	10 U	11 U
4-Chloroaniline	ug/L	11 U	NS	10 U	11 U
Hexachlorobutadiene	ug/L	11 U	NS	10 U	11 U
4-Chloro-3-methylphenol	ug/L	11 U	NS	10 U	11 U
2-Methylnaphthalene	ug/L	11 U	NS	10 U	11 U
Hexachlorocyclopentadiene	ug/L	11 U	NS	10 U	11 U
2,4,6-Trichlorophenol	ug/L	28 U	NS	26 U	27 U
2,4,5-Trichlorophenol	ug/L	11 U	NS	10 U	11 U
2-Chloronaphthalene	ug/L	28 U	NS	26 U	27 U
2-Nitroaniline	ug/L	11 U	NS	10 U	11 U
Dimethylphthalate	ug/L	11 U	NS	10 U	11 U
Acenaphthylene	ug/L	11 U	NS	10 U	11 U
2,6-Dinitrotoluene	ug/L	11 U	NS	10 U	11 U
3-Nitroaniline	ug/L	28 U	NS	26 U	27 U
Acenaphthene	ug/L	11 U	NS	10 U	11 U
2,4-Dinitrophenol	ug/L	28 U	NS	26 U	27 U
4-Nitrophenol	ug/L	28 U	NS	26 U	27 U
Dibenzofuran	ug/L	11 U	NS	10 U	11 U
2,4-Dinitrotoluene	ug/L	11 U	NS	10 U	11 U
Diethylphthalate	ug/L	11 U	NS	10 U	11 U
4-Chlorophenyl-phenylether	ug/L	11 U	NS	10 U	11 U
Fluorene	ug/L	11 U	NS	10 U	11 U
4-Nitroaniline	ug/L	28 U	NS	26 U	27 U
4,6-Dinitro-2-methylphenol	ug/L	28 U	NS	26 U	27 U
N-Nitrosodiphenylamine	ug/L	11 U	NS	10 U	11 U
4-Bromophenyl-phenylether	ug/L	11 U	NS	10 U	11 U
Hexachlorobenzene	ug/L	11 U	NS	10 U	11 U
Pentachlorophenol	ug/L	28 U	NS	26 U	27 U
Phenanthrene	ug/L	11 U	NS	10 U	11 U
Anthracene	ug/L	11 U	NS	10 U	11 U
Carbazole	ug/L	11 U	NS	10 U	11 U
Di-n-butylphthalate	ug/L	11 U	NS	10 U	11 U
Fluoranthene	ug/L	11 U	NS	10 U	11 U
Pyrene	ug/L	11 U	NS	10 U	11 U
Butylbenzylphthalate	ug/L	11 U	NS	10 U	11 U
3,3'-Dichlorobenzidine	ug/L	11 U	NS	10 U	11 U
Benzo(a)anthracene	ug/L	11 U	NS	10 U	11 U
Chrysene	ug/L	11 U	NS	10 U	11 U
bis(2-Ethylhexyl)phthalate	ug/L	11 U	NS	10 U	11 U
Di-n-octylphthalate	ug/L	11 U	NS	10 U	11 U
Benzo(b)fluoranthene	ug/L	11 U	NS	10 U	11 U
Benzo(k)fluoranthene	ug/L	11 U	NS	10 U	11 U
Benzo(a)pyrene	ug/L	11 U	NS	10 U	11 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	NS	10 U	11 U
Dibenz(a,h)anthracene	ug/L	11 U	NS	10 U	11 U
Benzo(g,h,i)perylene	ug/L	11 U	NS	10 U	11 U

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

MATRIX LOCATION	WATER	WATER	WATER	WATER
SAMPLE DATE	SEAD-24	SEAD-24	SEAD-24	SEAD-24
ES ID	01/23/94	11/16/93	01/23/94	11/15/93
LAB ID	MW24-1	MW24-2	MW24-3	MW24-3
UNITS	209254	204657	209254	204632

COMPOUND

PESTICIDES/PCB	01/23/94	11/16/93	01/23/94	11/15/93
alpha-BHC	0.055 U	0.053 U	0.053 U	0.055 U
beta-BHC	0.055 U	0.053 U	0.053 U	0.055 U
delta-BHC	0.055 U	0.053 U	0.053 U	0.055 U
gamma-BHC (Lindane)	0.055 U	0.053 U	0.053 U	0.055 U
Heptachlor	0.055 U	0.053 U	0.053 U	0.055 U
Aldrin	0.055 U	0.053 U	0.053 U	0.055 U
Heptachlor epoxide	0.055 U	0.053 U	0.053 U	0.055 U
Endosulfan I	0.11 U	0.11 U	0.11 U	0.11 U
Dieldrin	0.11 U	0.11 U	0.11 U	0.11 U
4,4'-DDE	0.11 U	0.11 U	0.11 U	0.11 U
Endrin	0.11 U	0.11 U	0.11 U	0.11 U
Endosulfan II	0.11 U	0.11 U	0.11 U	0.11 U
4,4'-DDD	0.11 U	0.11 U	0.11 U	0.11 U
Endosulfan sulfate	0.11 U	0.11 U	0.11 U	0.11 U
4,4'-DDT	0.11 U	0.11 U	0.11 U	0.11 U
Methoxychlor	0.55 U	0.53 U	0.53 U	0.55 U
Endrin ketone	0.11 U	0.11 U	0.11 U	0.11 U
Endrin aldehyde	0.11 U	0.11 U	0.11 U	0.11 U
alpha-Chlordane	0.055 U	0.053 U	0.053 U	0.055 U
gamma-Chlordane	0.055 U	0.053 U	0.053 U	0.055 U
Toxaphene	5.5 U	5.3 U	5.3 U	5.5 U
Aroclor-1016	1.1 U	1.1 U	1.1 U	1.1 U
Aroclor-1221	2.2 U	2.1 U	2.1 U	2.2 U
Aroclor-1232	1.1 U	1.1 U	1.1 U	1.1 U
Aroclor-1242	1.1 U	1.1 U	1.1 U	1.1 U
Aroclor-1248	1.1 U	1.1 U	1.1 U	1.1 U
Aroclor-1254	1.1 U	1.1 U	1.1 U	1.1 U
Aroclor-1260	1.1 U	1.1 U	1.1 U	1.1 U

METALS	01/23/94	11/16/93	01/23/94	11/15/93
Aluminum	19100	9650	176000	133000
Antimony	21.5 U	52.4 U	32.6	32.6
Arsenic	10	5.5 J	11.8 J	11.8 J
Barium	156 J	82.1 J	16.4 J	16.4 J
Beryllium	0.89 J	0.82 J	29800	29800
Cadmium	2.1 U	3.3 U	3.9	3.9
Calcium	180000	176000	43300	43300
Chromium	298	18.1	787	528
Cobalt	18.7 J	14.5 J	0.07 U	0.07 U
Copper	32.5	8.2 J	27.8 J	37.4 J
Iron	32000	19800	6610	7550
Lead	7	3.1	0.8 U	0.8 U
Magnesium	39800	47700	6.7 U	6.6 U
Manganese	712	787	6950	9510
Mercury	0.06 J R	0.07 U	1.8 U	1.8 U
Nickel	41.4	27.8 J	30.6 J	30.6 J
Potassium	7220	6610	31.8	53
Selenium	2.5 J	6.7 U	5 U	5 U
Silver	4.2 U	6.7 U	5 U	5 U
Sodium	5950 R	6950	5 U	5 U
Thallium	1.2 U	1.8 U	5 U	5 U
Vanadium	30.9 J	16.3 J	5 U	5 U
Zinc	107	31.8	5 U	5 U
Cyanide	5 U	5 U	5 U	5 U

OTHER ANALYSES	01/23/94	11/16/93	01/23/94	11/15/93
Nitrate/Nitrite - Nitrogen	0.11	0.07	0.01	0.01
Total Petroleum Hydrocarbons	0.4 U	0.4 U	0.43 U	0.43 U
Fluoride	NS	NS	NS	NS
pH	7.26	7.45	6.95	6.95
Specific Conductivity	435	700	580	580
Turbidity	150	NA(Clouidy)	NA(Clouidy)	NA(Clouidy)

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

MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
DEPTH (FEET)	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
SAMPLE DATE	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2
ES ID	12/03/93	12/03/93	12/03/93	12/03/93	12/03/93	12/03/93	12/03/93	12/03/93	12/03/93	12/03/93	12/03/93	12/03/93
LAB ID	SB25-1.1	SB25-1.4	SB25-1.3	SB25-2.1	SB25-2.2	SB25-2.3	SB25-3.1	SB25-3.2	SB25-3.3	SB25-3.2	SB25-3.1	SB25-3.2
UNITS	206050	206052	206051	206057	206055	206056	206058	206059	206061	206059	206058	206059
COMPOUND	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U	12 U	52 U	11 U
VOLATILE ORGANICS												
Chloromethane	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U	12 U	52 U	11 U
Bromomethane	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U	12 U	52 U	11 U
Vinyl Chloride	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U	12 U	52 U	11 U
Chloroethane	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U	12 U	52 U	11 U
Methylene Chloride	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U	12 U	52 U	11 U
Acetone	11 U	11 U	11 U	11 U	39	24	52 U	40	11 U	12 U	52 U	11 U
Carbon Disulfide	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U	12 U	52 U	11 U
1,1-Dichloroethane	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U	12 U	52 U	11 U
1,1-Dichloroethane	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U	12 U	52 U	11 U
1,2-Dichloroethane (total)	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U	12 U	52 U	11 U
Chloroform	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U	12 U	52 U	11 U
1,2-Dichloroethane	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U	12 U	52 U	11 U
2-Butanone	11 U	11 U	11 U	11 U	10 J	11 U	170	8 J	11 U	12 U	52 U	11 U
1,1,1-Trichloroethane	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U	12 U	52 U	11 U
Carbon Tetrachloride	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U	12 U	52 U	11 U
Bromodichloromethane	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U	12 U	52 U	11 U
1,2-Dichloropropane	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U	12 U	52 U	11 U
cis-1,3-Dichloropropene	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U	12 U	52 U	11 U
Trichloroethane	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U	12 U	52 U	11 U
Dibromochloromethane	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U	12 U	52 U	11 U
1,1,2-Trichloroethane	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U	12 U	52 U	11 U
Benzene	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U	12 U	52 U	11 U
trans-1,3-Dichloropropene	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U	12 U	52 U	11 U
Bromoform	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U	12 U	52 U	11 U
4-Methyl-2-Pentanone	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U	12 U	52 U	11 U
2-Hexanone	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U	12 U	52 U	11 U
Tetrachloroethene	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U	12 U	52 U	11 U
1,1,2,2-Tetrachloroethane	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U	12 U	52 U	11 U
Toluene	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U	12 U	52 U	11 U
Chlorobenzene	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U	12 U	52 U	11 U
Ethylbenzene	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U	12 U	52 U	11 U
Styrene	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U	12 U	52 U	11 U
Xylene (total)	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U	12 U	52 U	11 U
MTBE	11 U	11 U	11 U	11 U	19 U	11 U	52 U	12 U	11 U	12 U	52 U	11 U
HERBICIDES												
2,4-D	54 U	55 U	55 U	55 U	54 U	55 U	53 U	60 U	59 U	60 U	59 U	59 U
2,4-DB	54 U	55 U	55 U	55 U	54 U	55 U	53 U	60 U	59 U	60 U	59 U	59 U
2,4,5-T	5,4 U	5,5 U	5,5 U	5,5 U	5,4 U	5,5 U	5,3 U	6 U	5,9 U	6 U	5,9 U	5,9 U
2,4,5-TP (Silvex)	5,4 U	5,5 U	5,5 U	5,5 U	5,4 U	5,5 U	5,3 U	6 U	5,9 U	6 U	5,9 U	5,9 U
Dialaon	130 U	130 U	140 U	140 U	130 U	140 U	130 U	150 U	150 U	150 U	150 U	150 U
Dicamba	5,4 U	5,5 U	5,5 U	5,5 U	5,4 U	5,5 U	5,3 U	6 U	5,9 U	6 U	5,9 U	5,9 U
Dichloroprop	54 U	55 U	55 U	55 U	54 U	55 U	53 U	60 U	59 U	60 U	59 U	59 U
Dinoseb	27 U	28 U	28 U	28 U	27 U	28 U	27 U	30 U	30 U	30 U	30 U	30 U
MCPA	5400 U	5500 U	5500 U	5500 U	5400 U	5500 U	5300 U	6000 U	5900 U	6000 U	5900 U	5900 U
MCPP	5700 U	5400 U	5400 U	5400 U	5400 U	5400 U	5300 U	6000 U	5900 U	6000 U	5900 U	5900 U
NITROAROMATICS												
HMX	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
RDX	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trinitrobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dinitrobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetryl	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,6-Trinitrotoluene	NS	NS	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	NS	NS
2-amino-4,6-Dinitrotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,6-Dinitrotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dinitrotoluene	NS	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	SOIL SEAD-25	SOIL SEAD-25	SOIL SEAD-25	SOIL SEAD-25	SOIL SEAD-25	SOIL SEAD-25	SOIL SEAD-25	SOIL SEAD-25	SOIL SEAD-25	SOIL SEAD-25	SOIL SEAD-25	SOIL SEAD-25
	DEPTH (FEET)	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25	SEAD-25
	SAMPLE DATE	12/03/93	12/03/93	12/03/93	12/03/93	12/03/93	12/03/93	12/03/93	12/03/93	12/03/93	12/03/93	12/03/93	12/03/93
	ES ID	SB25-1.1	SB25-1.3	SB25-1.4	SB25-1.4	SB25-2.1	SB25-2.2	SB25-2.3	SB25-2.4	SB25-2.2	SB25-2.3	SB25-3.1	SB25-3.2
	LAB ID	206050	206051	206052	206052	206053	206055	206056	206057	206055	206056	206058	206059
	UNITS	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
PESTICIDES/PCB													
alpha-BHC		1.8 UU	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	2 U
beta-BHC		1.8 UU	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	2 U
delta-BHC		1.8 UU	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	2 U
gamma-BHC (Lindane)		1.8 UU	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	2 U
Heptachlor		1.8 UU	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	2 U
Aldrin		1.8 UU	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	2 U
Heptachlor epoxide		1.8 UU	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	2 U
Endosulfan I		3.6 UU	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.9 U
Endosulfan II		3.6 UU	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.9 U
4,4'-DDD		3.6 UU	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.9 U
Endosulfan sulfate		3.6 UU	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.9 U
4,4'-DDT		3.6 UU	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.9 U
Methoxychlor		1.8 UU	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	2 U
Endrin ketone		3.6 UU	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.9 U
Endrin aldehyde		3.6 UU	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.9 U
alpha-Chlordane		1.8 UU	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	2 U
gamma-Chlordane		1.8 UU	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	2 U
Toxaphene		180 UU	180 U	180 U	180 U	180 U	180 U	180 U	180 U	180 U	180 U	180 U	200 U
Aroclor-1016		36 UU	36 U	36 U	36 U	36 U	36 U	36 U	36 U	36 U	36 U	36 U	40 U
Aroclor-1221		73 UU	73 U	73 U	73 U	73 U	73 U	73 U	73 U	73 U	73 U	73 U	80 U
Aroclor-1232		36 UU	36 U	36 U	36 U	36 U	36 U	36 U	36 U	36 U	36 U	36 U	40 U
Aroclor-1242		36 UU	36 U	36 U	36 U	36 U	36 U	36 U	36 U	36 U	36 U	36 U	40 U
Aroclor-1248		36 UU	36 U	36 U	36 U	36 U	36 U	36 U	36 U	36 U	36 U	36 U	40 U
Aroclor-1254		36 UU	36 U	36 U	36 U	36 U	36 U	36 U	36 U	36 U	36 U	36 U	40 U
Aroclor-1260		36 UU	36 U	36 U	36 U	36 U	36 U	36 U	36 U	36 U	36 U	36 U	40 U

METALS	CONCENTRATION	UNITS	CONCENTRATION	UNITS	CONCENTRATION	UNITS	CONCENTRATION	UNITS	CONCENTRATION	UNITS	CONCENTRATION	UNITS	CONCENTRATION	UNITS
Aluminum	720	mg/Kg	9370	ug/Kg	7330	ug/Kg	9140	ug/Kg	8640	ug/Kg	6160	ug/Kg	18600	ug/Kg
Antimony	9.1 UU	mg/Kg	8.7 UU	ug/Kg	5.4	ug/Kg	7.6 UU	ug/Kg	6.6 UU	ug/Kg	9.2 UU	ug/Kg	12 UU	ug/Kg
Arsenic	4.7	mg/Kg	4.1	ug/Kg	3.4	ug/Kg	3.5	ug/Kg	3.4	ug/Kg	2.4	ug/Kg	5	ug/Kg
Barium	25 J	mg/Kg	55.5	mg/Kg	32.7 J	mg/Kg	57.1	mg/Kg	60.3	mg/Kg	82.3	mg/Kg	111	mg/Kg
Beryllium	0.45 J	mg/Kg	0.38 J	ug/Kg	0.48 J	ug/Kg	0.43 J	ug/Kg	0.36 J	ug/Kg	0.42 J	ug/Kg	0.65 J	ug/Kg
Cadmium	0.62 U	mg/Kg	0.44 U	ug/Kg	0.48 U	ug/Kg	0.47 U	ug/Kg	0.73	ug/Kg	0.58 U	ug/Kg	0.75 U	ug/Kg
Calcium	53800	mg/Kg	59100	mg/Kg	192000	mg/Kg	70800	mg/Kg	81800	mg/Kg	195000	mg/Kg	2760	mg/Kg
Chromium	16	mg/Kg	14.6	ug/Kg	11.5	ug/Kg	14.5	ug/Kg	15.8	ug/Kg	11.9	ug/Kg	25.2	ug/Kg
Cobalt	9.7	mg/Kg	10.5	ug/Kg	9.8	ug/Kg	8.2	ug/Kg	7.2	ug/Kg	11.9	ug/Kg	15.8	ug/Kg
Copper	17	mg/Kg	15.6	ug/Kg	14.4	ug/Kg	21.6	ug/Kg	23.3	ug/Kg	16.3	ug/Kg	15.8	ug/Kg
Iron	20400	mg/Kg	21100	mg/Kg	14400	mg/Kg	19700	mg/Kg	16800	mg/Kg	11900	mg/Kg	54600	mg/Kg
Lead	21.7 J	mg/Kg	11.5 J	ug/Kg	43.6 J	ug/Kg	13.7 J	ug/Kg	14.2 J	ug/Kg	15.8 J	ug/Kg	15.8 J	ug/Kg
Magnesium	6350	mg/Kg	12300	mg/Kg	8590	mg/Kg	12800	mg/Kg	21000	mg/Kg	11300	mg/Kg	3980	mg/Kg
Manganese	394	mg/Kg	435	ug/Kg	444	ug/Kg	464	ug/Kg	407	ug/Kg	384	ug/Kg	10000	ug/Kg
Mercury	0.06 J R	mg/Kg	0.06 J R	ug/Kg	0.03 J R	ug/Kg	0.03 J R	ug/Kg	0.05 J R	ug/Kg	0.05 J R	ug/Kg	0.08 J R	ug/Kg
Nickel	27.1	mg/Kg	23.6	ug/Kg	23	ug/Kg	35.3	ug/Kg	23.7	ug/Kg	17.5	ug/Kg	21.7	ug/Kg
Potassium	844 J	mg/Kg	916	mg/Kg	1370	mg/Kg	979	mg/Kg	1230	mg/Kg	1420	mg/Kg	1730	mg/Kg
Selenium	0.24 UU	mg/Kg	0.19 UU	ug/Kg	0.21 UU	ug/Kg	0.12 UU	ug/Kg	0.18 UU	ug/Kg	0.15 UU	ug/Kg	0.2 UU	ug/Kg
Silver	1.3 U	mg/Kg	0.9 U	ug/Kg	1.1 U	ug/Kg	1.2 U	ug/Kg	0.84 U	ug/Kg	1.5 U	ug/Kg	1.5 U	ug/Kg
Sodium	106 J	mg/Kg	126 J	mg/Kg	181 J	mg/Kg	128 J	mg/Kg	157 J	mg/Kg	180 J	mg/Kg	55 J	mg/Kg
Thallium	0.26 U	mg/Kg	0.25 U	ug/Kg	0.25 U	ug/Kg	0.13 U	ug/Kg	0.2 U	ug/Kg	0.21 U	ug/Kg	0.21 U	ug/Kg
Vanadium	12.2	mg/Kg	16	ug/Kg	13.2	ug/Kg	14.8	ug/Kg	14	ug/Kg	10.1	ug/Kg	39.8	ug/Kg
Zinc	44.4	mg/Kg	57.9	mg/Kg	35.4	mg/Kg	56.7	mg/Kg	94.8	mg/Kg	74.7	mg/Kg	43.7	mg/Kg
Cyanide	0.48 U	mg/Kg	0.51 U	ug/Kg	0.5 U	ug/Kg	0.48 U	ug/Kg	0.49 U	ug/Kg	0.48 U	ug/Kg	0.66 U	ug/Kg
OTHER ANALYSES														
Nitrate/Nitrite - Nitrogen	0.2	mg/Kg	0.05	ug/Kg	0.08	ug/Kg	0.01	ug/Kg	0.02	ug/Kg	0.04	ug/Kg	0.01 U	ug/Kg
Total Solids	91.6	%W/W	92.4	ug/Kg	92.5	ug/Kg	92.2	ug/Kg	.91	ug/Kg	94.7	ug/Kg	83.3	ug/Kg
Total Petroleum Hydrocarbons	1240	mg/Kg	1600	ug/Kg	1270	ug/Kg	3000	ug/Kg	1920	ug/Kg	14800	ug/Kg	112	ug/Kg
Fluoride		mg/Kg	NS	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	NS

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

COMPOUND	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 4-6 12/03/93 SB25-5.3 206067	SOIL SEAD-25 0-2 12/03/93 SB25-5.1 206066	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	1200 U	6800 U	11 U	11 U
Bromomethane	ug/Kg	1400 U	11 U	11 U	1200 U	6800 U	11 U	11 U
Vinyl Chloride	ug/Kg	1400 U	11 U	11 U	1200 U	6800 U	11 U	11 U
Chloroethane	ug/Kg	1400 U	11 U	11 U	1200 U	6800 U	11 U	11 U
Methylene Chloride	ug/Kg	1400 U	11 U	11 U	1200 U	6800 U	11 U	11 U
Acetone	ug/Kg	1800	38	19	160 J	6800 U	11 U	11 U
Carbon Disulfide	ug/Kg	1400 U	11 U	11 U	1200 U	6800 U	11 U	7 J
1,1-Dichloroethane	ug/Kg	1400 U	11 U	11 U	1200 U	6800 U	11 U	11 U
1,1-Dichloroethane	ug/Kg	1400 U	11 U	11 U	1200 U	6800 U	11 U	11 U
1,2-Dichloroethane (total)	ug/Kg	1400 U	11 U	11 U	1200 U	6800 U	11 U	11 U
Chloroform	ug/Kg	1400 U	9 J	11 U	1200 U	6800 U	11 U	11 U
1,2-Dichloroethane	ug/Kg	1400 U	11 U	11 U	1200 U	6800 U	11 U	11 U
2-Butanone	ug/Kg	1400 U	6 J	11 U	1200 U	6800 U	11 U	11 U
1,1,1-Trichloroethane	ug/Kg	1400 U	11 U	11 U	1200 U	6800 U	11 U	11 U
Carbon Tetrachloride	ug/Kg	1400 U	11 U	11 U	1200 U	6800 U	11 U	11 U
Bromodichloromethane	ug/Kg	1400 U	11 U	11 U	1200 U	6800 U	11 U	11 U
1,2-Dichloropropane	ug/Kg	1400 U	11 U	11 U	1200 U	6800 U	11 U	11 U
cis-1,3-Dichloropropene	ug/Kg	1400 U	11 U	11 U	1200 U	6800 U	11 U	11 U
Trichloroethene	ug/Kg	1400 U	11 U	11 U	1200 U	6800 U	11 U	11 U
Dibromochloromethane	ug/Kg	1400 U	11 U	11 U	1200 U	6800 U	11 U	11 U
1,1,2-Trichloroethane	ug/Kg	1400 U	11 U	11 U	1200 U	6800 U	11 U	11 U
Benzene	ug/Kg	1400 U	11 U	11 U	1200 U	6800 U	11 U	11 U
trans-1,3-Dichloropropene	ug/Kg	1400 U	11 U	11 U	1200 U	6800 U	11 U	11 U
Bromoform	ug/Kg	1400 U	11 U	11 U	1200 U	6800 U	11 U	11 U
4-Methyl-2-Pentanone	ug/Kg	1400 U	11 U	11 U	1200 U	6800 U	11 U	11 U
2-Hexanone	ug/Kg	1400 U	11 U	11 U	1200 U	6800 U	11 U	11 U
Tetrachloroethene	ug/Kg	1400 U	11 U	11 U	1200 U	6800 U	11 U	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	1400 U	11 U	11 U	1200 U	6800 U	11 U	11 U
Toluene	ug/Kg	1400 U	820 J	11 U	1200 U	6800 U	11 U	11 U
Chlorobenzene	ug/Kg	1400 U	11 U	11 U	1200 U	6800 U	11 U	11 U
Ethylbenzene	ug/Kg	1400 U	11 U	11 U	1200 U	6800 U	11 U	11 U
Styrene	ug/Kg	1400 U	11 U	11 U	1200 U	6800 U	11 U	11 U
Xylene (total)	ug/Kg	2300	50	110	130000	6800 U	11 U	11 U
MTBE	ug/Kg	1400 U	11 U	11 U	1200 U	6800 U	11 U	11 U
HERBICIDES								
2,4-D	ug/Kg	59 U	56 U	54 U	55 U	57 U	56 U	54 U
2,4-DB	ug/Kg	59 U	56 U	54 U	55 U	57 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	5.6 U	5.4 U
2,4,5-TP (Silvex)	ug/Kg	5.9 U	5.6 U	5.4 U	5.3 U	5.7 U	5.6 U	5.4 U
Dalapon	ug/Kg	150 U	140 U	130 U	130 U	140 U	130 U	130 U
Dicamba	ug/Kg	5.9 U	5.6 U	5.4 U	5.3 U	5.7 U	5.6 U	5.4 U
Dinoseb	ug/Kg	59 U	56 U	54 U	55 U	57 U	56 U	54 U
MCPA	ug/Kg	30 U	28 U	27 U	28 U	28 U	28 U	27 U
MCPP	ug/Kg	5900 U	5600 U	5400 U	5500 U	5700 U	5600 U	5400 U
NITROAROMATICS								
HMX	ug/Kg	NS	NS	NS	NS	NS	NS	NS
FOX	ug/Kg	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trinitrobenzene	ug/Kg	NS	NS	NS	NS	NS	NS	NS
1,3-Dinitrobenzene	ug/Kg	NS	NS	NS	NS	NS	NS	NS
Tetryl	ug/Kg	NS	NS	NS	NS	NS	NS	NS
2,4,6-Trinitrotoluene	ug/Kg	NS	NS	NS	NS	NS	NS	NS
4-amino-2,6-Dinitrotoluene	ug/Kg	NS	NS	NS	NS	NS	NS	NS
2-amino-4,6-Dinitrotoluene	ug/Kg	NS	NS	NS	NS	NS	NS	NS
2,6-Dinitrotoluene	ug/Kg	NS	NS	NS	NS	NS	NS	NS
2,4-Dinitrotoluene	ug/Kg	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 2-4 12/03/93 SB25-5.1 206065	SOIL SEAD-25 4-6 12/03/93 SB25-5.2 206066	SOIL SEAD-25 2-4 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
SEMIVOLATILE ORGANICS								
Phenol	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
bis(2-Chloroethyl) ether	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
2-Chlorophenol	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
1,3-Dichlorobenzene	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
1,4-Dichlorobenzene	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
2,2-Dichlorobenzene	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
2-Methylphenol	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
2,2'-oxybis(1-Chloropropane)	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
4-Methylphenol	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
N-Nitroso-di-n-propylamine	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Hexachloroethane	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Nitrobenzene	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Isophorone	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
2-Nitrophenol	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
2,4-Dimethylphenol	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
bis(2-Chloroethoxy) methane	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
2,4-Dichlorophenol	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
1,2,4-Trichlorobenzene	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Naphthalene	770 J	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
4-Chloroaniline	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Hexachlorobutadiene	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
4-Chloro-3-methylphenol	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
2-Methylnaphthalene	2600 J	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Hexachlorocyclopentadiene	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
2,4,6-Trichlorophenol	29000 U	1500 U	2000 U	27000 U	1200 U	27000 U	880 U	870 U
2,4,5-Trichlorophenol	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
2-Chloronaphthalene	29000 U	1500 U	2000 U	27000 U	1200 U	27000 U	880 U	870 U
2-Nitroaniline	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Dimethylphthalate	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Acenaphthylene	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
2,6-Dinitrotoluene	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
3-Nitroaniline	29000 U	1500 U	2000 U	27000 U	1200 U	27000 U	880 U	870 U
Acenaphthene	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
2,4-Dinitrophenol	29000 U	1500 U	2000 U	27000 U	1200 U	27000 U	880 U	870 U
4-Nitrophenol	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Dibenzofuran	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
2,4-Dinitrotoluene	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Diethylphthalate	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
4-Chlorophenyl-phenylether	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Fluorene	1500 J	170 J	85 J	1900 J	510 U	11000 U	360 U	360 U
4-Nitroaniline	29000 U	1500 U	2000 U	27000 U	1200 U	27000 U	880 U	870 U
4,6-Dinitro-2-methylphenol	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
N-Nitrosodiphenylamine	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
4-Bromophenyl-phenylether	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Hexachlorobenzene	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Pentachlorophenol	29000 U	1500 U	2000 U	27000 U	1200 U	27000 U	880 U	870 U
Phenanthrene	2700 J	350 J	180 J	4600 J	510 U	11000 U	360 U	360 U
Anthracene	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Carbazole	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Di-n-butylphthalate	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Fluoranthene	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Pyrene	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Butylbenzylphthalate	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
3,3'-Dichlorobenzidine	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Benzo(a)anthracene	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Chrysene	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
bis(2-Ethylhexyl)phthalate	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Di-n-octylphthalate	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Benzo(b)fluoranthene	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Benzo(k)fluoranthene	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Benzo(a)pyrene	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Indeno(1,2,3-cd)pyrene	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Dibenz(a,h)anthracene	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U
Benzo(g,h,i)perylene	12000 U	1500 U	810 U	11000 U	510 U	11000 U	360 U	360 U

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

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-25	SOIL SEAD-25	SOIL SEAD-25	SOIL SEAD-25	SOIL SEAD-25	SOIL SEAD-25	SOIL SEAD-25	SOIL SEAD-25
	ES ID	SB25-4.1	SB25-4.2	SB25-4.3	SB25-5.1	SB25-5.2	SB25-5.3	SB25-6.1	SB25-6.2
UNITS	LAB ID	206062	206063	206064	206065	206066	206067	206068	206069
PESTICIDES/PCB									
alpha-BHC	ug/Kg	2 U	1.9 U	2.2 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U
beta-BHC	ug/Kg	2 U	1.9 U	2.2 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U
delta-BHC	ug/Kg	2 U	1.9 U	2.2 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U
gamma-BHC (lindane)	ug/Kg	2 U	1.9 U	2.2 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U
Heptachlor	ug/Kg	2 U	1.9 U	2.2 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U
Aldrin	ug/Kg	2 U	1.9 U	2.2 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U
Heptachlor epoxide	ug/Kg	2 U	1.9 U	2.2 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U
Endosulfan I	ug/Kg	3.9 U	3.7 U	4.3 U	3.5 U	3.7 U	3.7 U	3.7 U	3.6 U
Dieldrin	ug/Kg	3.9 U	3.7 U	4.3 U	3.5 U	3.7 U	3.7 U	3.7 U	3.6 U
4,4'-DDE	ug/Kg	3.9 U	3.7 U	4.3 U	3.5 U	3.7 U	3.7 U	3.7 U	3.6 U
Endosulfan II	ug/Kg	3.9 U	3.7 U	4.3 U	3.5 U	3.7 U	3.7 U	3.7 U	3.6 U
4,4'-DDD	ug/Kg	3.9 U	3.7 U	4.3 U	3.5 U	3.7 U	3.7 U	3.7 U	3.6 U
Endosulfan sulfate	ug/Kg	3.9 U	3.7 U	4.3 U	3.5 U	3.7 U	3.7 U	3.7 U	3.6 U
4,4'-DDT	ug/Kg	3.9 U	3.7 U	4.3 U	3.5 U	3.7 U	3.7 U	3.7 U	3.6 U
Methoxychlor	ug/Kg	20 U	19 U	22 U	18 U	19 U	19 U	19 U	18 U
Endrin ketone	ug/Kg	3.9 U	3.7 U	4.3 U	3.5 U	3.7 U	3.7 U	3.7 U	3.6 U
Endrin aldehyde	ug/Kg	3.9 U	3.7 U	4.3 U	3.5 U	3.7 U	3.7 U	3.7 U	3.6 U
alpha-Chlordane	ug/Kg	2 U	1.9 U	2.2 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U
gamma-Chlordane	ug/Kg	2 U	1.9 U	2.2 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U
Toxaphene	ug/Kg	200 U	190 U	220 U	180 U	190 U	190 U	190 U	180 U
Aroclor-1016	ug/Kg	39 U	37 U	43 U	35 U	37 U	37 U	37 U	36 U
Aroclor-1221	ug/Kg	79 U	74 U	88 U	71 U	75 U	74 U	74 U	73 U
Aroclor-1232	ug/Kg	39 U	37 U	43 U	35 U	37 U	37 U	37 U	36 U
Aroclor-1242	ug/Kg	39 U	37 U	43 U	35 U	37 U	37 U	37 U	36 U
Aroclor-1248	ug/Kg	39 U	37 U	43 U	35 U	37 U	37 U	37 U	36 U
Aroclor-1254	ug/Kg	33 NJ	37 U	43 U	35 U	37 U	37 U	37 U	36 U
Aroclor-1260	ug/Kg	39 U	37 U	43 U	35 U	37 U	37 U	37 U	36 U
METALS									
Aluminum	mg/Kg	19700	16600	7590	13200	23600	11600	10600	7070
Antimony	mg/Kg	4.2 U	4.5 U	4.6 U	2.5 U	3.8 U	4 U	4.2 U	3 U
Arsenic	mg/Kg	12.2	7.4	9.1	5.1	8.3	8	8.3	4.8
Barium	mg/Kg	57.4	86.1	46.1	61.8	160	81.1	59.1	35
Beryllium	mg/Kg	0.86 J	0.82 J	0.76 J	0.57 J	1.1	0.54 J	0.48 J	0.35 J
Cadmium	mg/Kg	0.41 U	R	0.44 U	0.24 U	0.37 U	0.39 U	0.41 U	0.28 U
Calcium	mg/Kg	5330	17800	128000	42600	5120	74200	82500	122000
Chromium	mg/Kg	28.4	26.8	15.8	30.4	30.4	17.5	16.9	11.3
Cobalt	mg/Kg	11.5	16.8	5.6 J	10.8	14	9.5	11.2	6.6 J
Copper	mg/Kg	35.7 J	28.3 J	11.4 J	17.8 J	34 J	22 J	20.2 J	12 J
Iron	mg/Kg	38100	35200	14000	24400	31100	20700	21400	15800
Lead	mg/Kg	66.4	16.4	158	77.2	18	15.6	9.5	13.8
Magnesium	mg/Kg	5210	8550	21800	6590	17800	17800	19600	22800
Manganese	mg/Kg	281 J	776 J	344 J	433 J	697 J	423 J	722 J	610 J
Mercury	mg/Kg	0.04 J	0.04 J	0.04 U	0.03 U	0.96	0.04 U	0.03 J	0.04 U
Nickel	mg/Kg	34.4	47.8	14.2	30.8	45.2	29.1	26.8	18
Potassium	mg/Kg	1430	1410	1980	1790	3250	2090	1480	1060
Selenium	mg/Kg	0.92 J	0.85 J	1.5 J	1 J	0.87 J	0.66 J	0.97 J	0.63 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	0.59 U
Sodium	mg/Kg	55.2 J	81.3 J	176 J	97.4 J	98.1 J	162 J	269 J	186 J
Thallium	mg/Kg	0.51 J	0.48 J	0.79 J	0.62 J	0.23 J	0.23 J	0.24 U	0.21 U
Vanadium	mg/Kg	34.1	27.5	14.8	17.5	40.8	20.5	18.5	12
Zinc	mg/Kg	72.9 J	210 J	67 J	60.5 J	60.5 J	76.6 J	71.6 J	40.6 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	0.64 U
OTHER ANALYSES									
Nitrate/Nitrite-Nitrogen	mg/Kg	0.01 U	0.01 U	0.01 U	0.01 U	0.01	0.02	0.17	0.01 U
Total Solids	%W/W	85.2	83	87.5	94.3	90	91.6	90	91.6
Total Petroleum Hydrocarbons	mg/Kg	580	770	NS	740	27000	2100	99	112
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-25 EXPANDED SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE	WATER				UNITS
		SEAD-25	SEAD-25	SEAD-25	SEAD-25	
	ES ID	02/06/94	02/06/94	11/15/93	11/15/93	
	LAB ID	MW25-1	MW25-4	MW25-3	MW25-3RE	
		210541	210543	204633	204633	
			MW25-1DUP	204658		
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-Dichloroethane	ug/L	10 U	10 U	10 U	NS	
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	NS	
1,2-Dichloroethane (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	
Tetrachloroethane	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	ND	ND	ND	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 (Silver)	ug/L	0.12 U	0.11 U	0.11 U	NS	
Dalapon	ug/L	2.6 U	2.6 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	0.56 U	0.55 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	NS	NS	NS	NS	
RDX	ug/L	NS	NS	NS	NS	
1,3,5-Trinitrobenzene	ug/L	NS	NS	NS	NS	
1,3-Dinitrobenzene	ug/L	NS	NS	NS	NS	
Tetryl	ug/L	NS	NS	NS	NS	
2,4,6-Trinitrotoluene	ug/L	NS	NS	NS	NS	
4-amino-2,6-Dinitrotoluene	ug/L	NS	NS	NS	NS	
2-amino-4,6-Dinitrotoluene	ug/L	NS	NS	NS	NS	
2,6-Dinitrotoluene	ug/L	NS	NS	NS	NS	
2,4-Dinitrotoluene	ug/L	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

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

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

COMPOUND	MATRIX LOCATION SAMPLE DATE	WATER SEAD-25 SEAD-25 SEAD-25 SEAD-25	WATER SEAD-25 SEAD-25 SEAD-25 SEAD-25	WATER SEAD-25 SEAD-25 SEAD-25 SEAD-25	WATER SEAD-25 SEAD-25 SEAD-25 SEAD-25	WATER SEAD-25 SEAD-25 SEAD-25 SEAD-25
	ES/D LAB ID UNITS	MW25-1 210541	MW25-4 210543 MW25-1DUP	MW25-2 210480	MW25-3 204633 204658	MW25-3RE 204633 204658
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	2280	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 U	NS
Nickel	ug/L	4.4 J	6.8 J	4.7 J	11.5 J	NS
Potassium	ug/L	906 U	1010 J	9950	4170 J	NS
Selenium	ug/L	0.73 U	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	6.00	7.08	7.52	NS
Specific Conductivity	umhos/cm	56.4	500	600	510	NS
Turbidity	NTU			3.6	2.2	NS

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

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

COMPOUND	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 SS26-2 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
	ES ID LAB ID UNITS							
PESTICIDES/PCB								
alpha-BHC	ug/Kg	9.4 U	9.6 U	9.7 U	1.8 U	1.8 U	3.5 U	1.8 U
beta-BHC	ug/Kg	9.4 U	9.6 U	9.7 U	1.4 U	1.4 U	3.5 U	1.8 U
delta-BHC	ug/Kg	9.4 U	9.6 U	9.7 U	1.8 U	1.8 U	3.5 U	1.8 U
gamma-BHC (Lindane)	ug/Kg	9.4 U	9.6 U	9.7 U	1.8 U	1.8 U	3.5 U	1.8 U
Heptachlor	ug/Kg	9.4 U	9.6 U	9.7 U	1.8 U	1.8 U	3.5 U	1.8 U
Aldrin	ug/Kg	9.4 U	9.6 U	9.7 U	1.8 U	1.8 U	3.5 U	1.8 U
Heptachlor epoxide	ug/Kg	9.4 U	9.6 U	9.7 U	1.8 U	1.8 U	3.5 U	1.8 U
Endosulfan I	ug/Kg	9.4 U	9.6 U	9.7 U	1.8 U	1.8 U	3.5 U	1.8 U
Endosulfan II	ug/Kg	18 U	19 U	19 U	3.6 U	3.6 U	6.7 U	1.8 U
4,4'-DDE	ug/Kg	17 J	14 J	19 U	6 J	3 U	6.7 U	3 J
Endosulfan II	ug/Kg	18 U	19 U	19 U	3.6 U	3.6 U	6.7 U	3.5 U
4,4'-DDD	ug/Kg	35 J	60 J	19 U	3.6 U	3.4 U	6.7 U	3.5 U
4,4'-DDD	ug/Kg	22	19 U	19 U	3.6 U	3.4 U	6.7 U	3.5 U
Endosulfan sulfate	ug/Kg	21 J	23 J	19 U	3.6 U	3.4 U	6.7 U	3.5 U
4,4'-DDT	ug/Kg	18 U	19 U	19 U	3.6 U	3.4 U	6.7 U	3.5 U
Methoxychlor	ug/Kg	94 U	96 U	21 J	18 U	18 U	35 U	18 U
Endrin ketone	ug/Kg	18 U	19 U	17 J	3.4 U	3.4 U	6.7 U	3.5 U
Endrin aldehyde	ug/Kg	18 U	19 U	15 J	3.6 U	3.6 U	6.7 U	3.5 U
alpha-Chlordane	ug/Kg	9.4 U	9.6 U	3.8 U	1.8 U	1.8 U	3.5 U	1.8 U
gamma-Chlordane	ug/Kg	9.4 U	9.6 U	3.8 U	1.8 U	1.8 U	3.5 U	1.8 U
Toxaphene	ug/Kg	9.4 U	9.6 U	3.8 U	1.8 U	1.8 U	3.5 U	1.8 U
Aroclor-1016	ug/Kg	940 U	960 U	970 U	180 U	180 U	350 U	180 U
Aroclor-1221	ug/Kg	180 U	180 U	190 U	36 U	36 U	67 U	35 U
Aroclor-1232	ug/Kg	370 U	380 U	380 U	70 U	70 U	140 U	71 U
Aroclor-1242	ug/Kg	180 U	180 U	190 U	36 U	36 U	67 U	35 U
Aroclor-1248	ug/Kg	180 U	180 U	190 U	36 U	36 U	67 U	35 U
Aroclor-1254	ug/Kg	180 U	180 U	190 U	36 U	36 U	67 U	35 U
Aroclor-1260	ug/Kg	180 U	180 U	190 U	36 U	36 U	67 U	35 U
METALS								
Aluminum	mg/Kg	1750	1560	1640	10900	5830	2650	5490
Antimony	mg/Kg	8.9 UU	10.9 UU	8.1 UU	8 UU	7 UU	8 UU	8.8 UU
Arsenic	mg/Kg	3.3	6.5	6	9.6	3.8	10.8	4.9
Barium	mg/Kg	73.9	45.7	18 J	70.1	21.5 J	25.8 J	90.7
Beryllium	mg/Kg	0.25 J	0.2 J	0.24 J	0.48 J	0.22 J	0.23 J	0.33 J
Cadmium	mg/Kg	0.56 J	0.68 U	0.47 U	0.51 U	0.44 U	0.5 U	0.55 U
Calcium	mg/Kg	2930000	2840000	2710000	4810000	4420000	2130000	2220000
Chromium	mg/Kg	3.8	3.9	3.5	17.6	8.9	31.1	10.6
Cobalt	mg/Kg	2.7 J	3.6 J	3.1 J	9.7	4.5 J	5.7 J	6.6 J
Copper	mg/Kg	12.8	11.8	10.5	19.3	16.5	25.9	19
Iron	mg/Kg	3510	5970	3270	3880	11900	70200	13500
Lead	mg/Kg	6.8	3.4	3.2	20.8	8.7	52.2	58.5
Magnesium	mg/Kg	7980	8180	7810	9370	15500	12800	18200
Manganese	mg/Kg	213	212	198	398	264	536	365
Mercury	mg/Kg	0.02 U	0.07	0.04 U	0.02 J	0.55	0.02 U	0.53
Nickel	mg/Kg	12.2	13.4	56	30.3	14.8	20.1	19.4
Potassium	mg/Kg	1030	849 J	1170	1010	1050	1090	2070
Selenium	mg/Kg	0.23 U	0.24 J	0.23 U	0.19 U	0.23 U	0.19 U	0.14 U
Silver	mg/Kg	1.1 UU	1.4 UU	1.1 UU	1.1 UU	0.89 UU	1.1 UU	1.1 UU
Sodium	mg/Kg	224 J	236 J	238 J	125 J	104 J	212 J	241 J
Thallium	mg/Kg	2.5 UU	2.6 UU	1.5 UU	0.21 UU	0.23 UU	0.2 UU	1.5 UU
Vanadium	mg/Kg	12.2	8.5 J	9.2	17.3	12.4	11	14.8
Zinc	mg/Kg	96.9	95.5 U	105	75.9	51.5	164	278
Cyanide	mg/Kg	0.54 U	0.56 U	0.56 U	0.52 U	0.51 U	0.5 U	0.51 U
OTHER ANALYSES								
Nitrate/Nitrite-Nitrogen	mg/Kg	0.85	0.22	0.12	0.07	0.14	0.04	0.44
Total Solids	%W/W	89.6	86.6	88.4	92.5	96.4	97.6	94.7
Total Petroleum Hydrocarbons	mg/Kg	76	21000	17900	860	117	97	330
Fluoride	mg/Kg	NS	NS	NS	NS	NS	NS	NS
pH	standard units	NS	NS	NS	NS	NS	NS	NS

SENECA 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 2-4 11/17/93 SB26-1.2 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	SOIL SEAD-26 0-2 11/18/93 SB26-2.5FRE 205097	SOIL SEAD-26 8-10 11/18/93 SB26-2.6 205098	SOIL SEAD-26 10-12 11/18/93 SB26-2.7 205099
VOLATILE ORGANICS								
Chloroethane	11 U	11 U	NS	11 U	10 U	10 U	12 U	12 U
Bromomethane	11 U	11 U	NS	11 U	10 U	10 U	12 U	12 U
Vinyl Chloride	11 U	11 U	NS	11 U	10 U	10 U	12 U	12 U
Chloroethane	11 U	11 U	NS	11 U	10 U	10 U	12 U	12 U
Methylene Chloride	12 U	11 U	NS	11 U	10 U	10 U	12 U	12 U
Acetone	11 U	11 U	NS	25 U	10 U	4 J	12 U	12 U
Carbon Disulfide	11 U	11 U	NS	11 U	10 U	10 U	12 U	12 U
1,1-Dichloroethane	11 U	11 U	NS	11 U	10 U	10 U	12 U	12 U
1,1-Dichloroethane	11 U	11 U	NS	11 U	10 U	10 U	12 U	12 U
1,2-Dichloroethane (total)	11 U	11 U	NS	11 U	10 U	10 U	12 U	12 U
Chloroform	11 U	11 U	NS	11 U	10 U	10 U	12 U	12 U
1,2-Dichloroethane	11 U	11 U	NS	11 U	10 U	10 U	12 U	12 U
2-Butanone	11 U	11 U	NS	11 U	10 U	10 U	12 U	12 U
1,1,1-Trichloroethane	11 U	11 U	NS	11 U	10 U	10 U	12 U	12 U
Carbon Tetrachloride	11 U	11 U	NS	11 U	10 U	10 U	12 U	12 U
Bromodichloromethane	11 U	11 U	NS	11 U	10 U	10 U	12 U	12 U
1,2-Dichloropropane	11 U	11 U	NS	11 U	10 U	10 U	12 U	12 U
cis-1,3-Dichloropropane	11 U	11 U	NS	11 U	10 U	10 U	12 U	12 U
Trichloroethane	11 U	11 U	NS	11 U	10 U	10 U	12 U	12 U
Dibromochloromethane	11 U	11 U	NS	11 U	10 U	10 U	12 U	12 U
1,1,2-Trichloroethane	11 U	11 U	NS	11 U	10 U	10 U	12 U	12 U
Benzene	11 U	11 U	NS	11 U	10 U	10 U	12 U	12 U
trans-1,3-Dichloropropane	11 U	11 U	NS	11 U	10 U	10 U	12 U	12 U
Bromofom	11 U	11 U	NS	11 U	10 U	10 U	12 U	12 U
4-Methyl-2-Pentanone	11 U	11 U	NS	11 U	10 U	10 U	12 U	12 U
2-Hexanone	11 U	11 U	NS	11 U	10 U	10 U	12 U	12 U
Tetrachloroethane	11 U	11 U	NS	11 U	10 U	10 U	12 U	12 U
1,1,2,2-Tetrachloroethane	11 U	11 U	NS	11 U	10 U	10 U	12 U	12 U
Toluene	11 U	11 U	NS	11 U	10 U	10 U	12 U	12 U
Chlorobenzene	11 U	11 U	NS	11 U	10 U	10 U	12 U	12 U
Ethylbenzene	11 U	11 U	NS	11 U	10 U	10 U	12 U	12 U
Styrene	11 U	11 U	NS	11 U	10 U	10 U	12 U	12 U
Xylene (total)	11 U	11 U	NS	11 U	10 U	10 U	12 U	12 U
MIPBE	11 U	ND	NS	10 U	10 U	10 U	10 U	10 U
HERBICIDES								
2,4-D	54 U	55 U	57 U	55 U	53 U	NS	63 U	58 U
2,4-DB	54 U	55 U	57 U	55 U	53 U	NS	63 U	58 U
2,4,5-T	5.4 U	5.5 U	5.7 U	5.5 U	5.3 U	NS	6.3 U	5.9 U
2,4,5-TP (Silvex)	5.4 U	5.5 U	5.7 U	5.5 U	5.3 U	NS	6.3 U	5.9 U
Dialapron	130 U	140 U	140 U	140 U	130 U	NS	150 U	140 U
Dicamba	5.4 U	5.5 U	5.7 U	5.5 U	5.3 U	NS	6.3 U	5.9 U
Dichloroprop	54 U	55 U	57 U	55 U	53 U	NS	63 U	59 U
Dinoseb	27 U	28 U	29 U	28 U	27 U	NS	32 U	30 U
MCPA	5400 U	5500 U	5700 U	5500 U	5300 U	NS	6300 U	5900 U
MCPP	5400 U	5500 U	5700 U	5500 U	5300 U	NS	6300 U	5900 U
NITROAROMATICS								
DMX	130 U	NS	NS	NS	NS	NS	NS	NS
FDX	130 U	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trinitrobenzene	130 U	NS	NS	NS	NS	NS	NS	NS
1,3-Dinitrobenzene	130 U	NS	NS	NS	NS	NS	NS	NS
Tetryl	130 U	NS	NS	NS	NS	NS	NS	NS
2,4,6-Trinitrotoluene	130 U	NS	NS	NS	NS	NS	NS	NS
4-amino-2,6-Dinitrotoluene	130 U	NS	NS	NS	NS	NS	NS	NS
2-amino-4,6-Dinitrotoluene	130 U	NS	NS	NS	NS	NS	NS	NS
2,6-Dinitrotoluene	130 U	NS	NS	NS	NS	NS	NS	NS
2,4-Dinitrotoluene	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 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 2-4 11/17/93 SB26-1.2 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	SOIL SEAD-26 8-10 11/18/93 SB26-2.6 205097	SOIL SEAD-26 10-12 11/18/93 SB26-2.7 205098
SEMI-VOLATILE ORGANICS							
Phend	350 U	360 U	360 U	360 U	350 U	410 U	390 U
bis(2-Chloroethyl) ether	350 U	360 U	360 U	360 U	350 U	410 U	390 U
2-Chlorophend	350 U	360 U	360 U	360 U	350 U	410 U	390 U
1,3-Dichlorobenzene	350 U	360 U	360 U	360 U	350 U	410 U	390 U
1,4-Dichlorobenzene	350 U	360 U	360 U	360 U	350 U	410 U	390 U
2-Methylphend	350 U	360 U	360 U	360 U	350 U	410 U	390 U
2,2'-oxybis(1-Chloropropane)	350 U	360 U	360 U	360 U	350 U	410 U	390 U
4-Methylphend	350 U	360 U	360 U	360 U	350 U	410 U	390 U
N-Nitrosod-n-propylamine	350 U	360 U	360 U	360 U	350 U	410 U	390 U
Hexachloroethane	350 U	360 U	360 U	360 U	350 U	410 U	390 U
Nitrobenzene	350 U	360 U	360 U	360 U	350 U	410 U	390 U
Isophorols	350 U	360 U	360 U	360 U	350 U	410 U	390 U
2-Nitrophenol	350 U	360 U	360 U	360 U	350 U	410 U	390 U
2,4-Dimethylphend	350 U	360 U	360 U	360 U	350 U	410 U	390 U
bis(2-Chloroethoxy) methane	350 U	360 U	360 U	360 U	350 U	410 U	390 U
2,4-Dichlorophenol	350 U	360 U	360 U	360 U	350 U	410 U	390 U
1,2,4-Trichlorobenzene	350 U	360 U	360 U	360 U	350 U	410 U	390 U
Naphthalene	350 U	360 U	360 U	360 U	350 U	410 U	390 U
4-Chloroaniline	350 U	360 U	360 U	360 U	350 U	410 U	390 U
Hexachlorobutadiene	350 U	360 U	360 U	360 U	350 U	410 U	390 U
4-Chloro-3-methylphenol	350 U	360 U	360 U	360 U	350 U	410 U	390 U
2-Methylnaphthalene	350 U	360 U	360 U	360 U	350 U	410 U	390 U
Hexachlorocyclopentadiene	350 U	360 U	360 U	360 U	350 U	410 U	390 U
2,4,6-Trichlorophenol	350 U	360 U	360 U	360 U	350 U	410 U	390 U
2,4,5-Trichlorophenol	880 U	880 U	880 U	880 U	880 U	940 U	940 U
2-Chloronaphthalene	880 U	880 U	880 U	880 U	880 U	940 U	940 U
2-Nitroaniline	880 U	880 U	880 U	880 U	880 U	940 U	940 U
Dimethylphthalate	350 U	360 U	360 U	360 U	350 U	410 U	390 U
Acenaphthylene	350 U	360 U	360 U	360 U	350 U	410 U	390 U
2,6-Dinitrotoluene	880 U	880 U	880 U	880 U	880 U	940 U	940 U
3-Nitroaniline	880 U	880 U	880 U	880 U	880 U	940 U	940 U
Acenaphthene	880 U	880 U	880 U	880 U	880 U	940 U	940 U
2,4-Dinitrophenol	880 U	880 U	880 U	880 U	880 U	940 U	940 U
Dibenzofuran	350 U	360 U	360 U	360 U	350 U	410 U	390 U
2,4-Dinitrotoluene	880 U	880 U	880 U	880 U	880 U	940 U	940 U
Diethylphthalate	350 U	360 U	360 U	360 U	350 U	410 U	390 U
4-Chlorophenyl-phenylether	350 U	360 U	360 U	360 U	350 U	410 U	390 U
Fluorene	350 U	360 U	360 U	360 U	350 U	410 U	390 U
4-Nitroaniline	880 U	880 U	880 U	880 U	880 U	940 U	940 U
4,6-Dinitro-2-methylphenol	880 U	880 U	880 U	880 U	880 U	940 U	940 U
N-Nitrosodiphenylamine	350 U	360 U	360 U	360 U	350 U	410 U	390 U
4-Bromophenyl-phenylether	350 U	360 U	360 U	360 U	350 U	410 U	390 U
Hexachlorobenzene	350 U	360 U	360 U	360 U	350 U	410 U	390 U
Pentachlorophend	880 U	880 U	880 U	880 U	880 U	940 U	940 U
Phenanthrene	140 J	24 J	31 J	31 J	22 J	410 U	390 U
Anthracene	24 J	360 U	360 U	360 U	350 U	410 U	390 U
Carbazole	350 U	360 U	360 U	360 U	350 U	410 U	390 U
Di-n-butylphthalate	310 J	69 J	52 J	52 J	30 J	410 U	390 U
Fluoranthene	250 J	56 J	44 J	44 J	48 J	410 U	390 U
Pyrene	350 U	360 U	360 U	360 U	350 U	410 U	390 U
Buylbenzylphthalate	350 U	360 U	360 U	360 U	350 U	410 U	390 U
3,3'-Dichlorobenzidine	350 U	360 U	360 U	360 U	350 U	410 U	390 U
Benzoleanthracene	130 J	31 J	27 J	27 J	27 J	410 U	390 U
Chrysene	150 J	42 J	700	700	660	410 U	390 U
bis(2-Ethylhexyl)phthalate	53 J	360 U	360 U	360 U	350 U	410 U	390 U
Di-n-octylphthalate	350 U	360 U	360 U	360 U	350 U	410 U	390 U
Benzob(1,2,3-cd)pyrene	130 J	36 J	360 U	360 U	350 U	410 U	390 U
Benzok(1,2,3-cd)pyrene	130 J	36 J	360 U	360 U	350 U	410 U	390 U
Benzofluoranthene	130 J	34 J	360 U	360 U	350 U	410 U	390 U
Indeno(1,2,3-cd)pyrene	66 J	360 U	360 U	360 U	350 U	410 U	390 U
Dibenz(ghi)anthracene	30 J	360 U	360 U	360 U	350 U	410 U	390 U
Benzof(ghi)perylene	100 J	360 U	360 U	360 U	350 U	410 U	390 U

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

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-26	SOIL SEAD-26	SOIL SEAD-26	SOIL SEAD-26	SOIL SEAD-26	SOIL SEAD-26	SOIL SEAD-26	SOIL SEAD-26	SOIL SEAD-26	SOIL SEAD-26	SOIL SEAD-26	SOIL SEAD-26	SOIL SEAD-26	SOIL SEAD-26	SOIL SEAD-26
PESTICIDES/PCB	ES, ID LAB ID	SB26-1.1RE 204829	SB26-1.2RE 204830	SB26-2.1RE 205095	SB26-2.5 205096	SB26-2.5RE 205096	SB26-2.1 205097	SB26-2.1DUP	SB26-2.1DUP	SB26-2.1DUP	SB26-2.5 205096	SB26-2.5RE 205097	SB26-2.1 205096	SB26-2.5RE 205097	SB26-2.1 205096	SB26-2.5RE 205097
alpha-BHC	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
beta-BHC	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
delta-BHC	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
gamma-BHC (Lindane)	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Heptachlor	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aldrin	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Heptachlor epoxide	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Endosulfan I	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dieldrin	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4,4'-DDE	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Endrin	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Endosulfan II	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4,4'-DDD	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Endosulfan sulfate	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4,4'-DDT	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methoxychlor	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Endrin ketone	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Endrin aldehyde	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
alpha-Chlordane	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
gamma-Chlordane	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Toxaphene	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor-1016	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor-1221	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor-1252	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor-1242	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor-1246	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor-1254	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor-1260	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
METALS	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aluminum	9400	5560	9040	5230	7900	14200	21000	14200	21000	14200	21000	14200	21000	14200	21000	14200
Antimony	7.4 UJ	7.3 UJ	6.7 UJ	9.1 UJ	8.8 UJ	11.5 UJ	11.5 UJ	11.5 UJ	11.5 UJ	11.5 UJ	11.5 UJ	11.5 UJ	11.5 UJ	11.5 UJ	11.5 UJ	11.5 UJ
Arsenic	7.5	3.2	5.3	6.5	5.3	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
Barium	36.1	73.2	43.7	21.1	102	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
Beryllium	0.47 J	0.35 J	0.41 J	0.32 J	0.46 J	0.67 J	0.67 J	0.67 J	0.67 J	0.67 J	0.67 J	0.67 J	0.67 J	0.67 J	0.67 J	0.67 J
Cadmium	0.46 U	0.46 U	0.42 U	0.57 U	0.55 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Calcium	157000	293000	47300	238000	189000	2090	2090	2090	2090	2090	2090	2090	2090	2090	2090	2090
Chromium	15.2	10.3	15.7	8.8	13.9	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
Cobalt	8.4	5.9	9.5	10.1	5.6 J	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
Copper	22.5	9.7	14.3	10.6	14.3	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
Iron	17200	8770	19100	11400	15500	44100	44100	44100	44100	44100	44100	44100	44100	44100	44100	44100
Magnesium	16.1	6.33	8.5	10.3	15.5	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
Manganese	8460	29100	9160	7790	18100	720	720	720	720	720	720	720	720	720	720	720
Mercury	0.09	0.02 U	0.02 U	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ	0.03 UJ
Nickel	31.6	16.3	23.9	17.5	29.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
Potassium	1970	1710	901	882	1770	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490
Selenium	0.15 J	0.13 UJ	0.26 J	0.14 UJ	0.14 UJ	0.16 UJ	0.16 UJ	0.16 UJ	0.16 UJ	0.16 UJ	0.16 UJ	0.16 UJ	0.16 UJ	0.16 UJ	0.16 UJ	0.16 UJ
Silver	183 J	182 J	108 J	163 U	1.1 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Sodium	183 J	182 J	108 J	163 U	1.1 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Tellurium	1.5 UJ	1.5 UJ	1.1 U	1.1 U	1.1 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
Vanadium	17.4	12.7	14.4	10.9	15.9	28	28	28	28	28	28	28	28	28	28	28
Zinc	263	56	90.6	29.5	54.8	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
Cyanide	0.54 U	0.48 U	0.57 U	0.53 U	0.5 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
OTHER ANALYSES																
Nitrate/Nitrite-Nitrogen	mg/Kg	0.43	0.48	0.05	0.1	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
Total Solids	%W/W	92.8	87.1	91.1	93.6	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
Total Petroleum Hydrocarbons	mg/Kg	260	38	42	57	74	74	74	74	74	74	74	74	74	74	74
Fluoride	mg/Kg	NS	NS	NS	NS	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	NS	NS	NS	NS

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

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-26		SOIL SEAD-26		SOIL SEAD-26		SOIL SEAD-26		SOIL SEAD-26		SOIL SEAD-26		SOIL SEAD-26		
		ES ID	LAB ID	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
VOLATILE ORGANICS																
Chloromethane	ug/Kg	12 U	13 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U
Bromomethane	ug/Kg	12 U	13 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U
Vinyl Chloride	ug/Kg	12 U	13 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U
Chloroethane	ug/Kg	12 U	13 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U
Methylene Chloride	ug/Kg	12 U	13 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U
Acetone	ug/Kg	12 U	13 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U
Carbon Disulfide	ug/Kg	12 U	13 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U
1,1-Dichloroethane	ug/Kg	12 U	13 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U
1,1-Dichloroethane	ug/Kg	12 U	13 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U
1,2-Dichloroethane (total)	ug/Kg	12 U	13 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U
Chloroform	ug/Kg	12 U	13 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U
1,2-Dichloroethane	ug/Kg	12 U	13 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U
2-Butanone	ug/Kg	12 U	13 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U
1,1,1-Trichloroethane	ug/Kg	12 U	13 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U
Carbon Tetrachloride	ug/Kg	12 U	13 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U
Bromochloromethane	ug/Kg	12 U	13 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U
1,2-Dichloropropane	ug/Kg	12 U	13 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U
cis-1,3-Dichloropropene	ug/Kg	12 U	13 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U
Trichloroethene	ug/Kg	12 U	13 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U
Dibromochloromethane	ug/Kg	12 U	13 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U
1,1,2-Trichloroethane	ug/Kg	12 U	13 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U
Benzene	ug/Kg	12 U	13 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U
trans-1,3-Dichloropropene	ug/Kg	12 U	13 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U
Bromoforn	ug/Kg	12 U	13 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U
4-Methyl-2-Pentanone	ug/Kg	12 U	13 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U
2-Hexanone	ug/Kg	12 U	13 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U
Tetrachloroethene	ug/Kg	12 U	13 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	13 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U
Toluene	ug/Kg	12 U	13 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U
Chlorobenzene	ug/Kg	12 U	13 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U
Ethylbenzene	ug/Kg	12 U	13 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U
Styrene	ug/Kg	12 U	13 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U
Xylene (total)	ug/Kg	12 U	13 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U	12 U	11 U
MTBE	ug/Kg	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
HERBICIDES																
2,4-D	ug/Kg	58 U	58 U	57 U	58 U	56 U	58 U	56 U	58 U	56 U	58 U	56 U	58 U	56 U	58 U	56 U
2,4-DB	ug/Kg	61 U	61 U	61 U	61 U	56 U	61 U	56 U	61 U	56 U	61 U	56 U	61 U	56 U	61 U	56 U
2,4,5-T	ug/Kg	5.8 U	5.8 U	5.7 U	5.8 U	5.6 U	5.8 U	5.6 U	5.8 U	5.6 U	5.8 U	5.6 U	5.8 U	5.6 U	5.8 U	5.6 U
2,4,5-TP (Silvex)	ug/Kg	6.1 U	6.1 U	5.7 U	6.1 U	5.6 U	6.1 U	5.6 U	6.1 U	5.6 U	6.1 U	5.6 U	6.1 U	5.6 U	6.1 U	5.6 U
Dalapon	ug/Kg	150 U	140 U	140 U	140 U	140 U	140 U	140 U	140 U	140 U	140 U	140 U	140 U	140 U	140 U	140 U
Dicamba	ug/Kg	5.8 U	5.8 U	5.7 U	5.8 U	5.6 U	5.8 U	5.6 U	5.8 U	5.6 U	5.8 U	5.6 U	5.8 U	5.6 U	5.8 U	5.6 U
Dichloroprop	ug/Kg	6.1 U	6.1 U	5.7 U	6.1 U	5.6 U	6.1 U	5.6 U	6.1 U	5.6 U	6.1 U	5.6 U	6.1 U	5.6 U	6.1 U	5.6 U
Dinoseb	ug/Kg	29 U	29 U	29 U	29 U	28 U	29 U	28 U	29 U	28 U	29 U	28 U	29 U	28 U	29 U	28 U
MCPA	ug/Kg	5800 U	5800 U	5700 U	5800 U	5600 U	5800 U	5600 U	5800 U	5600 U	5800 U	5600 U	5800 U	5600 U	5800 U	5600 U
MCPP	ug/Kg	5800 U	5800 U	5700 U	5800 U	5600 U	5800 U	5600 U	5800 U	5600 U	5800 U	5600 U	5800 U	5600 U	5800 U	5600 U
NITROAROMATICS																
HMX	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
FOX	ug/Kg	NS	NS	NS	NS	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	NS	NS	NS	NS
1,3-Dinitrobenzene	ug/Kg	NS	NS	NS	NS	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	NS	NS	NS	NS
2,4,6-Trinitrotoluene	ug/Kg	NS	NS	NS	NS	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	NS	NS	NS	NS
2-amino-4,6-Dinitrotoluene	ug/Kg	NS	NS	NS	NS	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	NS	NS	NS	NS
2,4-Dinitrotoluene	ug/Kg	NS	NS	NS	NS	NS	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	SOIL SEAD-26	SOIL SEAD-26	SOIL SEAD-26	SOIL SEAD-26	SOIL SEAD-26	SOIL SEAD-26	SOIL SEAD-26	SOIL SEAD-26
	LAB ID	SB26-3.1	SB26-3.4	SB26-3.6	SB26-4.1	SB26-4.2	SB26-4.4	TP26-1.1	TP26-1.2
	UNITS	205099	205100	205101	205102	205103	205104	205105	205106
SEMIVOLATILE ORGANICS									
Phend	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
bis(2-Chloroethyl) ether	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
2-Chlorophend	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
1,3-Dichlorobenzene	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
1,4-Dichlorobenzene	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
1,2-Dichlorobenzene	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
2-Methylphenol	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
2,2'-oxybis(1-Chloropropane)	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
N-Methylphenol	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
N-Nitroso-di-n-propylamine	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
Hexachloroethane	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
Nitrobenzene	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
Isophorone	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
2-Nitrophenol	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
2,4-Dimethylphenol	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
bis(2-Chloroethoxy) methane	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
2,4-Dichlorophenol	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
1,2,4-Trichlorobenzene	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
Naphthalene	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
1,2,4-Trichlorophthalene	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
4-Chloroaniline	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
Hexachlorobutadiene	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
4-Chloro-3-methylphenol	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
2-Methylnaphthalene	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
Hexachlorocyclopentadiene	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
2,4,6-Trichlorophenol	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
2,4,5-Trichlorophenol	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
2-Chloronaphthalene	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
2-Nitroaniline	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
Dimethylphthalate	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
Acenaphthylene	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
2,6-Dinitrotoluene	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
3-Nitroaniline	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
Acenaphthene	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
2,4-Dinitrophenol	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
4-Nitrophenol	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
Dibenzofuran	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
2,4-Dinitrotoluene	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
Diethylphthalate	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
4-Chlorophenyl-phenylether	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
Fluorene	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
4-Nitroaniline	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
4,6-Dinitro-2-methylphenol	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
N-Nitrosodiphenylamine	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
4-Bromophenyl-phenylether	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
Hexachlorobenzene	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
Pentachlorophend	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
Phenanthrene	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
Anthracene	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
Carbazole	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
Di-n-butylphthalate	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
Fluoranthene	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
Pyrene	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
Butylbenzylphthalate	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
3,3'-Dichlorobenzidine	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
Benzo(a)anthracene	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
Chrysene	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
bis(2-Ethylhexyl)phthalate	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
Di-n-octylphthalate	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
Benzob(fluoranthene	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
Benzok(fluoranthene	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
Benzofluoranthene	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
Indeno(1,2,3-cd)pyrene	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
Dibenz(a,h)anthracene	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U
Benzof(g,h,i)perylene	ug/kg	380 U	370 U	370 U	370 U	370 U	380 U	2500 U	370 U

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

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-26 SEAD-26 0-2 11/18/93 SB26-3.1 205099	SOIL SEAD-26 SEAD-26 0-2 11/18/93 SB26-3.4 205100	SOIL SEAD-26 SEAD-26 10-12 11/18/93 SB26-3.6 205101	SOIL SEAD-26 SEAD-26 0-2 11/18/93 SB26-4.1 205102	SOIL SEAD-26 SEAD-26 2-4 11/18/93 SB26-4.2 205103	SOIL SEAD-26 SEAD-26 6-8 11/18/93 SB26-4.4 205104	SOIL SEAD-26 SEAD-26 0-0.7 11/18/93 TP26-1.1 TP26-1.2 205105	SOIL SEAD-26 SEAD-26 0-0.7 11/18/93 TP26-2.1 TP26-2.2 205113	SOIL SEAD-26 SEAD-26 5.0+ 11/18/93 TP26-1.2 205106	SOIL SEAD-26 SEAD-26 0-0.7 11/18/93 TP26-2.1 205114
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2 U	19 U	2 U	19 U	2 U	19 U	18 U	19 U	21 U	
beta-BHC	ug/Kg	2 U	19 U	2 U	19 U	2 U	19 U	18 U	19 U	21 U	
delta-BHC	ug/Kg	2 U	19 U	2 U	19 U	2 U	19 U	18 U	19 U	21 U	
gamma-BHC (Lindane)	ug/Kg	2 U	19 U	2 U	19 U	2 U	19 U	18 U	19 U	21 U	
Heptachlor	ug/Kg	2 U	19 U	2 U	19 U	2 U	19 U	18 U	19 U	21 U	
Aldrin	ug/Kg	2 U	19 U	2 U	19 U	2 U	19 U	18 U	19 U	21 U	
Heptachlor epoxide	ug/Kg	2 U	19 U	2 U	19 U	2 U	19 U	18 U	19 U	21 U	
Endosulfan I	ug/Kg	2 U	19 U	2 U	19 U	2 U	19 U	18 U	19 U	21 U	
Dieldrin	ug/Kg	3.8 U	37 U	3.8 U	37 U	3.8 U	37 U	3.8 U	37 U	41 U	
4,4'-DDE	ug/Kg	4 U	37 U	4 U	37 U	4 U	37 U	4 U	37 U	41 U	
Endrin	ug/Kg	3.8 U	37 U	3.8 U	37 U	3.8 U	37 U	3.8 U	37 U	41 U	
Endosulfan II	ug/Kg	4 U	37 U	4 U	37 U	4 U	37 U	4 U	37 U	41 U	
4,4'-DDD	ug/Kg	3.8 U	37 U	3.8 U	37 U	3.8 U	37 U	3.8 U	37 U	41 U	
4,4'-DDD	ug/Kg	3.8 U	37 U	3.8 U	37 U	3.8 U	37 U	3.8 U	37 U	41 U	
Endosulfan sulfate	ug/Kg	3.8 U	37 U	3.8 U	37 U	3.8 U	37 U	3.8 U	37 U	41 U	
4,4'-DDT	ug/Kg	20 U	19 U	20 U	19 U	20 U	19 U	20 U	19 U	21 U	
Methoxychlor	ug/Kg	3.8 U	37 U	3.8 U	37 U	3.8 U	37 U	3.8 U	37 U	41 U	
Endrin ketone	ug/Kg	3.8 U	37 U	3.8 U	37 U	3.8 U	37 U	3.8 U	37 U	41 U	
Selenin aldehyde	ug/Kg	3.8 U	37 U	3.8 U	37 U	3.8 U	37 U	3.8 U	37 U	41 U	
alpha-Chlordane	ug/Kg	3.8 U	37 U	3.8 U	37 U	3.8 U	37 U	3.8 U	37 U	41 U	
gamma-Chlordane	ug/Kg	2 U	19 U	2 U	19 U	2 U	19 U	2 U	19 U	21 U	
Toxaphene	ug/Kg	200 U	190 U	200 U	190 U	200 U	190 U	200 U	190 U	210 U	
Aroclor-1016	ug/Kg	38 U	37 U	38 U	37 U	38 U	37 U	38 U	37 U	41 U	
Aroclor-1221	ug/Kg	78 U	76 U	78 U	76 U	78 U	76 U	78 U	76 U	83 U	
Aroclor-1232	ug/Kg	38 U	37 U	38 U	37 U	38 U	37 U	38 U	37 U	41 U	
Aroclor-1242	ug/Kg	38 U	37 U	38 U	37 U	38 U	37 U	38 U	37 U	41 U	
Aroclor-1248	ug/Kg	38 U	37 U	38 U	37 U	38 U	37 U	38 U	37 U	41 U	
Aroclor-1254	ug/Kg	38 U	37 U	38 U	37 U	38 U	37 U	38 U	37 U	41 U	
Aroclor-1260	ug/Kg	38 U	37 U	38 U	37 U	38 U	37 U	38 U	37 U	41 U	
METALS											
Aluminum	mg/Kg	13700	14400	12900	14300	13600	15300	13100	10000	13200	
Antimony	mg/Kg	10.4 UU	12.5 UU	6.9 UU	9.2 UU	9.3 UU	11.4 UU	8 UU	10000	9.1 UU	
Arsenic	mg/Kg	8.3 J	8.4 J	13 J	10.2 J	10.3 J	6.8 J	5.9 J	10 J	6.4 J	
Barium	mg/Kg	77.6	83.2	57.5	87.3	62.4	74.3	105	67.3	38.2	
Beryllium	mg/Kg	0.68 U	0.66 J	0.61 J	0.67 J	0.61 J	0.73 J	0.62 J	0.47 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	0.77 U	
Calcium	mg/Kg	25600	20100	2820	28000	17500	14500	18500	65400	41800	
Chromium	mg/Kg	20.7	20.9	21.4	22.7	22.2	23.5	20.2	15.2	16.5	
Cobalt	mg/Kg	10.8	18.3	11.8	15.8	12	14.8	12.5	8.7 J	10	
Copper	mg/Kg	20.6	25900	23.2	28.6	18.9	24.1	18	23.5	13.9	
Iron	mg/Kg	28400	10.5	28.6	31700	29000	33200	28300	20400	22200	
Lead	mg/Kg	20.7	14.9	10.5	14.6	11.7	13.1	13.6	11.9	6.5	
Magnesium	mg/Kg	8760	4810	5290	6910	6330	6290	5340	15300	4720	
Manganese	mg/Kg	466	561	486	696	541	668	814	461	5030	
Mercury	mg/Kg	0.03 J	0.03 J	0.03 J	0.04 J	0.04 J	0.03 J	0.04 UU	0.03 UU	0.11 J	
Nickel	mg/Kg	29.7	29.1	34.7	35.2	32.8	38.5	31.1	28.7	25.5	
Potassium	mg/Kg	1140	1130 J	1110	1370	1140	1390	950	1180	30.2	
Selenium	mg/Kg	0.48 J	0.79 J	0.48 J	0.37 J	0.58 J	0.28 J	0.25 J	0.57 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	1.1 U	0.31 J	0.72 J	
Sodium	mg/Kg	71.6 J	60.9 J	56.8 J	119 J	87.6 J	78 J	60.9 J	1.3 U	1.6 U	
Thallium	mg/Kg	0.21 U	0.26 U	0.27 U	0.23 U	0.14 U	0.26 U	0.2 U	0.23 U	0.29 U	
Vanadium	mg/Kg	22.2	21.8	19.5	20.1	18.6	22.2	18.5	16.3	21.1	
Zinc	mg/Kg	64.9	78.2	72.5	84.9	72.4	84.9	80.7	60.1	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	0.59 U	
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg	0.14	1.06	0.07	0.75	0.37	1.55	0.32	0.72	0.5	
Total Solids	%/W	85.7	82	86.1	88.3	89	85.6	87.7	88.3	80.7	
Total Petroleum Hydrocarbons	mg/Kg	69	71	74	90	65	66	87	71	72	
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-28 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE LAB ID	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 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
UNITS	NS	NS	12 U	NS	12 U	NS	12 U	NS	12 U	NS
VOLATILE ORGANICS										
Chloromethane	61 U	61 U	61 U	61 U	58 U	58 U	55 U	55 U	60 U	60 U
Bromomethane	61 U	61 U	61 U	61 U	58 U	58 U	55 U	55 U	60 U	60 U
Vinyl Chloride	61 U	61 U	61 U	61 U	58 U	58 U	55 U	55 U	60 U	60 U
Chloroethane	61 U	61 U	61 U	61 U	58 U	58 U	55 U	55 U	60 U	60 U
Methylene Chloride	150 U	150 U	150 U	150 U	140 U	140 U	140 U	140 U	150 U	150 U
Acetone	61 U	61 U	61 U	61 U	58 U	58 U	55 U	55 U	60 U	60 U
Carbon Disulfide	61 U	61 U	61 U	61 U	58 U	58 U	55 U	55 U	60 U	60 U
1,1-Dichloroethane	61 U	61 U	61 U	61 U	58 U	58 U	55 U	55 U	60 U	60 U
1,1-Dichloroethane	61 U	61 U	61 U	61 U	58 U	58 U	55 U	55 U	60 U	60 U
1,2-Dichloroethane (total)	6100 U	6100 U	6100 U	6100 U	5800 U	5800 U	5500 U	5500 U	6000 U	6000 U
Chloroform	6100 U	6100 U	6100 U	6100 U	5800 U	5800 U	5500 U	5500 U	6000 U	6000 U
1,2-Dichloroethane	6100 U	6100 U	6100 U	6100 U	5800 U	5800 U	5500 U	5500 U	6000 U	6000 U
2-Butanone	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
1,1,1-Trichloroethane	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Carbon Tetrachloride	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Bromodichloromethane	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
1,2-Dichloropropane	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
cis-1,3-Dichloropropane	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Trichloroethene	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Dibromochloromethane	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
1,1,2-Trichloroethane	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Benzene	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
trans-1,3-Dichloropropane	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Bromoform	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
4-Methyl-2-Pentanone	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
2-Hexanone	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Tetrahydrofuran	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
1,1,2,2-Tetrahydroethane	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Toluene	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Chlorobenzene	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Ethylbenzene	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Styrene	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Xylene (total)	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
MTBE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HERBICIDES										
2,4-D	61 U	61 U	61 U	61 U	58 U	58 U	55 U	55 U	60 U	60 U
2,4-DB	61 U	61 U	61 U	61 U	58 U	58 U	55 U	55 U	60 U	60 U
2,4,5-T	61 U	61 U	61 U	61 U	58 U	58 U	55 U	55 U	60 U	60 U
2,4,5-TP (Silvex)	61 U	61 U	61 U	61 U	58 U	58 U	55 U	55 U	60 U	60 U
Dalapon	150 U	150 U	150 U	150 U	140 U	140 U	140 U	140 U	150 U	150 U
Dilamba	61 U	61 U	61 U	61 U	58 U	58 U	55 U	55 U	60 U	60 U
Dichloroprop	61 U	61 U	61 U	61 U	58 U	58 U	55 U	55 U	60 U	60 U
Dinoseb	31 U	31 U	31 U	31 U	29 U	29 U	28 U	28 U	30 U	30 U
MCPA	6100 U	6100 U	6100 U	6100 U	5800 U	5800 U	5500 U	5500 U	6000 U	6000 U
MCPP	6100 U	6100 U	6100 U	6100 U	5800 U	5800 U	5500 U	5500 U	6000 U	6000 U
NITROAROMATICS										
HMX	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
FDX	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
1,3,5-Trinitrobenzene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
1,3-Dinitrobenzene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
Tetryl	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,4,6-Trinitrochloruene	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	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	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,6-Dinitrotoluene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,4-Dinitrotoluene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U

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

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	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 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
Phend	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-Chlorophend	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
2,2-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
Acetylphenylene	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
Dibenzoduran	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	400 U	NS	380 U	NS	370 U	NS	390 U	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	400 U	NS	380 U	NS	370 U	NS	390 U	NS
Chrysene	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
bis(2-Ethylhexyl)phthalate	ug/Kg	400 U	NS	43 J	NS	38 J	NS	25 J	NS	60 J	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	400 U	NS	380 U	NS	370 U	NS	390 U	NS
Benzofluoranthene	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
Benzofluoranthene	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
Indeno(1,2,3-cd)pyrene	ug/Kg	400 U	NS	400 U	NS	380 U	NS	370 U	NS	390 U	NS
Dibenz(b,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	400 U	NS	380 U	NS	370 U	NS	390 U	NS

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

COMPOUND	MATRIX	LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	DEPTH (FEET)	SAMPLE DATE	SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26	SEAD-26
	ES ID	ES ID	TP26-3.1	TP26-3.1	TP26-3.1	TP26-3.1	TP26-3.1	TP26-3.1	TP26-3.1	TP26-3.1	TP26-3.1	TP26-3.1	TP26-3.1
	LAB ID	LAB ID	TP26-3.1	TP26-3.1	TP26-3.1	TP26-3.1	TP26-3.1	TP26-3.1	TP26-3.1	TP26-3.1	TP26-3.1	TP26-3.1	TP26-3.1
	UNITS	UNITS	TP26-3.1	TP26-3.1	TP26-3.1	TP26-3.1	TP26-3.1	TP26-3.1	TP26-3.1	TP26-3.1	TP26-3.1	TP26-3.1	TP26-3.1
PESTICIDES/PCB													
alpha-BHC	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
beta-BHC	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
delta-BHC	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
gamma-BHC (Lindane)	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Heptachlor	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aldrin	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Heptachlor epoxide	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Endosulfan I	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dieldrin	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4,4'-DDE	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Endosulfan II	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4,4'-DDD	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Endosulfan sulfate	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4,4'-DDT	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methoxychlor	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Endrin ketone	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Endrin aldehyde	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
alpha-Chlordane	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
gamma-Chlordane	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Toxaphene	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor-1016	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor-1221	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor-1232	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor-1242	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor-1248	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor-1254	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor-1260	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
METALS													
Aluminum	mg/Kg	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Antimony	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	mg/Kg	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Calcium	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	mg/Kg	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Iron	mg/Kg	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Magnesium	mg/Kg	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Potassium	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Silver	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tantalum	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cyanide	ug/Kg	ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
OTHER ANALYSES													
Nitrate/Nitrite-Nitrogen	mg/Kg	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total Solids	%W/W	%W/W	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total Petroleum Hydrocarbons	mg/Kg	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoride	mg/Kg	mg/Kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
pH	standard units	standard units	NS	NS	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 UNITS	SOIL SEAD-26 FILL 11/17/93 TP26-5.2R 204837	SOIL SEAD-26 FILL 11/18/93 TP26-6.1 205107	SOIL SEAD-26 FILL 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 11/18/93 TP26-8.1 205115	SOIL SEAD-26 5.0+ 11/19/93 TP26-8.2 205116
VOLATILE ORGANICS							
Chloromethane	NS	12 U	12 U	11 U	12 U	11 U	12 U
Bromomethane	NS	12 U	12 U	11 U	12 U	11 U	12 U
Vinyl Chloride	NS	12 U	12 U	11 U	12 U	11 U	12 U
Chloroethane	NS	12 U	12 U	11 U	12 U	11 U	12 U
Methylene Chloride	NS	12 U	12 U	11 U	12 U	11 U	12 U
Acetone	NS	12 U	12 U	11 U	12 U	11 U	12 U
Carbon Disulfide	NS	12 U	12 U	11 U	12 U	11 U	12 U
1,1-Dichloroethane	NS	12 U	12 U	11 U	12 U	11 U	12 U
1,1-Dichloroethane (total)	NS	12 U	12 U	11 U	12 U	11 U	12 U
1,2-Dichloroethane	NS	12 U	12 U	11 U	12 U	11 U	12 U
Chloroform	NS	12 U	12 U	11 U	12 U	11 U	12 U
1,2-Dichloroethane	NS	12 U	12 U	11 U	12 U	11 U	12 U
2-Butanone	NS	12 U	12 U	11 U	12 U	11 U	12 U
1,1,1-Trichloroethane	NS	12 U	12 U	11 U	12 U	11 U	12 U
Carbon Tetrachloride	NS	12 U	12 U	11 U	12 U	11 U	12 U
Bromodichloromethane	NS	12 U	12 U	11 U	12 U	11 U	12 U
1,2-Dichloropropane	NS	12 U	12 U	11 U	12 U	11 U	12 U
cis-1,3-Dichloropropene	NS	12 U	12 U	11 U	12 U	11 U	12 U
Trichloroethene	NS	12 U	12 U	11 U	12 U	11 U	12 U
Dibromochloromethane	NS	12 U	12 U	11 U	12 U	11 U	12 U
1,1,2-Trichloroethane	NS	12 U	12 U	11 U	12 U	11 U	12 U
Benzene	NS	12 U	12 U	11 U	12 U	11 U	12 U
trans-1,3-Dichloropropene	NS	12 U	12 U	11 U	12 U	11 U	12 U
Bromoform	NS	12 U	12 U	11 U	12 U	11 U	12 U
4-Methyl-2-Pentanone	NS	12 U	12 U	11 U	12 U	11 U	12 U
2-Hexanone	NS	12 U	12 U	11 U	12 U	11 U	12 U
Tetrachloroethene	NS	12 U	12 U	11 U	12 U	11 U	12 U
1,1,2,2-Tetrachloroethane	NS	12 U	12 U	11 U	12 U	11 U	12 U
Toluene	NS	12 U	12 U	11 U	12 U	11 U	12 U
Ethylbenzene	NS	12 U	12 U	11 U	12 U	11 U	12 U
Styrene	NS	12 U	12 U	11 U	12 U	11 U	12 U
Xylene (total)	NS	12 U	12 U	11 U	12 U	11 U	12 U
MTBE	NS	10 U	10 U	10 U	10 U	10 U	10 U
HERBICIDES							
2,4-D	59 U	56 U	63 U	56 U	61 U	56 U	61 U
2,4-DB	59 U	56 U	63 U	56 U	61 U	56 U	61 U
2,4,5-T	5.9 U	5.6 U	6.3 U	5.6 U	6.1 U	5.6 U	6.1 U
2,4,5-TP (Silvex)	5.9 U	5.6 U	6.3 U	5.6 U	6.1 U	5.6 U	6.1 U
Dalapon	140 U	140 U	160 U	140 U	150 U	140 U	150 U
Diamba	5.9 U	5.6 U	6.3 U	5.6 U	6.1 U	5.6 U	6.1 U
Dichloroprop	59 U	56 U	63 U	56 U	61 U	56 U	61 U
Dinoseb	30 U	28 U	32 U	28 U	31 U	28 U	31 U
MCPA	5900 U	5600 U	6300 U	5600 U	6100 U	5600 U	6100 U
MCPP	5900 U	5600 U	6300 U	5600 U	6100 U	5600 U	6100 U
NITROFOMATICS							
HMX	130 U	NS	NS	NS	NS	NS	NS
RDX	130 U	NS	NS	NS	NS	NS	NS
1,3,5-Trinitrobenzene	130 U	NS	NS	NS	NS	NS	NS
1,3-Dinitrobenzene	130 U	NS	NS	NS	NS	NS	NS
Tetryl	130 U	NS	NS	NS	NS	NS	NS
2,4,6-Trinitrotoluene	130 U	NS	NS	NS	NS	NS	NS
4-amino-2,6-Dinitrotoluene	130 U	NS	NS	NS	NS	NS	NS
2-amino-4,6-Dinitrotoluene	130 U	NS	NS	NS	NS	NS	NS
2,6-Dinitrotoluene	130 U	NS	NS	NS	NS	NS	NS
2,4-Dinitrotoluene	130 U	NS	NS	NS	NS	NS	NS

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

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-26 FILL	SOIL SEAD-26 FILL	SOIL SEAD-26 FILL	SOIL SEAD-26 FILL	SOIL SEAD-26 FILL	SOIL SEAD-26 FILL	SOIL SEAD-26 FILL	SOIL SEAD-26 FILL	SOIL SEAD-26 FILL	SOIL SEAD-26 FILL	SOIL SEAD-26 FILL
	ES, D LAB ID	TP26-5.2 204837	TP26-6.1 205107	TP26-6.2 205108	TP26-7.1 205109	TP26-7.2 205110	TP26-8.1 205115	TP26-8.2 205116				
	UNITS	NS	NS	NS	NS	NS	NS	NS				
SEMIVOLATILE ORGANICS												
Phend	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
bis(2-Chloroethyl) ether	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
2-Chlorophenol	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
1,3-Dichlorobenzene	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
1,4-Dichlorobenzene	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
1,2-Dichlorobenzene	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
2-Methylphenol	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
2,2'-oxybis(1-Chloropropane)	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
4-Methylphenol	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
N-Nitroso-di-n-propylamine	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
Hexachloroethane	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
Nitrobenzene	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
Isophorone	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
2-Nitrophenol	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
2,4-Dimethylphenol	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
bis(2-Chloroethoxy) methane	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
2,4-Dichlorophenol	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
1,2,4-Trichlorobenzene	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
Naphthalene	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
4-Chloroaniline	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
Hexachlorobutadiene	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
4-Chloro-3-methylphenol	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
2-Methylnaphthalene	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
Hexachlorocyclopentadiene	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
2,4,6-Trichlorophenol	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
2,4,5-Trichlorophenol	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
2-Chloronaphthalene	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
Nitroaniline	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
Dimethylphthalate	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
Acenaphthylene	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
2,6-Dinitrotoluene	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
3-Nitroaniline	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
Acenaphthene	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
2,4-Dinitrophenol	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
4-Nitrophenol	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
Dibenzofuran	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
2,4-Dinitrotoluene	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
Diethylphthalate	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
4-Chlorophenyl-phenylether	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
Fluorene	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
4-Nitroaniline	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
4,6-Dinitro-2-methylphenol	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
N-Nitrosodiphenylamine	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
4-Bromophenyl-phenylether	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
Hexachlorobenzene	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
Pentachlorophenol	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
Phenanthrene	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
Anthracene	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
Carbazole	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
Di-n-butylphthalate	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
Fluoranthene	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
Pyrene	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
Buylbenzylphthalate	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
3,3'-Dichlorobenzidine	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
Benzo(a)anthracene	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
Chrysene	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
bis(2-Ethylhexyl)phthalate	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
Di-n-octylphthalate	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
Benzo(b)fluoranthene	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
Benzo(k)fluoranthene	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
Benzo(e)pyrene	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
Indeno(1,2,3-c)pyrene	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
Dibenzo(a,h)anthracene	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				
Benzo(g,h,i)perylene	ug/Kg	390 U	370 U	420 U	370 U	410 U	2500 U	400 U				

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

COMPOUND	MATRIX LOCATION SAMPLE DATE	WATER SEAD-26 01/21/94 MW26-1 209256, 209945	WATER SEAD-26 01/22/94 MW26-3 209256	WATER SEAD-26 01/22/94 MW26-4 209260	UNITS
VOLATILE ORGANICS					
Chloromethane	ug/L	10 U	10 U	10 U	
Bromomethane	ug/L	10 U	10 U	10 U	
Vinyl Chloride	ug/L	10 U	10 U	10 U	
Chloroethane	ug/L	10 U	10 U	10 U	
Methylene Chloride	ug/L	10 U	10 U	10 U	
Acetone	ug/L	10 U	10 U	10 U	
Carbon Disulfide	ug/L	10 U	10 U	10 U	
1,1-Dichloroethene	ug/L	10 U	10 U	10 U	
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U	
Chloroform	ug/L	10 U	10 U	10 U	
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	
2-Butanone	ug/L	10 U	10 U	10 U	
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	
Bromochloromethane	ug/L	10 U	10 U	10 U	
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	
dis-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	
Xylenes (total)	ug/L	10 U	10 U	10 U	
MTBE	ug/L	NA	NA	NA	
HERBICIDES					
2,4-D	ug/L	1.2 U	1.1 U	1.2 U	
2,4-DB	ug/L	1.2 U	1.1 U	1.2 U	
2,4,5-T	ug/L	0.12 U	0.11 U	0.12 U	
2,4,5-TP (Silvex)	ug/L	0.12 U	0.11 U	0.12 U	
Dalapon	ug/L	2.7 U	2.5 U	2.7 U	
Dicamba	ug/L	0.12 U	0.11 U	0.12 U	
Dichloroprop	ug/L	1.2 U	1.1 U	1.2 U	
Dinoseb	ug/L	0.58 U	0.53 U	0.58 U	
MCFA	ug/L	120 U	110 U	120 U	
MCPP	ug/L	120 U	110 U	120 U	
NITROAROMATICS					
HMX	ug/L	NS	NS	NS	
RDX	ug/L	NS	NS	NS	
1,3,5-Trinitrobenzene	ug/L	NS	NS	NS	
1,3-Dinitrobenzene	ug/L	NS	NS	NS	
Tetryl	ug/L	NS	NS	NS	
2,4,6-Trinitrotoluene	ug/L	NS	NS	NS	
2-amino-2,6-Dinitrotoluene	ug/L	NS	NS	NS	
2-amino-4,6-Dinitrotoluene	ug/L	NS	NS	NS	
2,6-Dinitrotoluene	ug/L	NS	NS	NS	
2,4-Dinitrotoluene	ug/L	NS	NS	NS	

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

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	MW26-1	MW26-3	MW26-4
LAB ID	209256,	209258	209260
UNITS	209945		
SEMIVOLATILE ORGANICS			
Phenol	10 U	10 U	11 U
bis(2-Chloroethyl) ether	10 U	10 U	11 U
2-Chlorophenol	10 U	10 U	11 U
1,3-Dichlorobenzene	10 U	10 U	11 U
1,4-Dichlorobenzene	10 U	10 U	11 U
1,2-Dichlorobenzene	10 U	10 U	11 U
2-Methylphenol	10 U	10 U	11 U
2,2'-oxybis(1-Chloropropane)	10 U	10 U	11 U
4-Methylphenol	10 U	10 U	11 U
N-Nitroso-d-n-propylamine	10 U	10 U	11 U
Hexachloroethane	10 U	10 U	11 U
Nitrobenzene	10 U	10 U	11 U
Isophorone	10 U	10 U	11 U
2-Nitrophenol	10 U	10 U	11 U
2,4-Dimethylphenol	10 U	10 U	11 U
bis(2-Chloroethoxy) methane	10 U	10 U	11 U
2,4-Dichlorophenol	10 U	10 U	11 U
1,2,4-Trichlorobenzene	10 U	10 U	11 U
Naphthalene	10 U	10 U	11 U
4-Chloroaniline	10 U	10 U	11 U
Hexachlorobutadiene	10 U	10 U	11 U
4-Chloro-3-methylphenol	10 U	10 U	11 U
2-Methylnaphthalene	10 U	10 U	11 U
Hexachlorocyclopentadiene	10 U	10 U	11 U
2,4,6-Trichlorophenol	10 U	10 U	11 U
2,4,5-Trichlorophenol	28 U	28 U	27 U
2-Chloronaphthalene	10 U	10 U	11 U
2-Nitroaniline	23 U	28 U	27 U
Dimethylphthalate	10 U	10 U	11 U
Acenaphthylene	10 U	10 U	11 U
2,6-Dinitrotoluene	10 U	10 U	11 U
3-Nitroaniline	25 U	26 U	27 U
Acenaphthene	10 U	10 U	11 U
2,4-Dinitrophenol	25 U	28 U	27 U
4-Nitrophenol	25 U	26 U	27 U
Dibenzofuran	10 U	10 U	11 U
2,4-Dinitrotoluene	10 U	10 U	11 U
Diethylphthalate	0.6 J	10 U	11 U
4-Chlorophenyl-phenylether	10 U	10 U	11 U
Fluorene	10 U	10 U	11 U
4-Nitroaniline	26 U	26 U	27 U
4,6-Dinitro-2-methylphenol	25 U	26 U	27 U
N-Nitrosodiphenylamine	10 U	10 U	11 U
4-Bromophenyl-phenylether	10 U	10 U	11 U
Hexachlorobenzene	10 U	10 U	11 U
Pentachlorophenol	10 U	28 U	27 U
Phenanthrene	23 U	10 U	11 U
Anthracene	10 U	10 U	11 U
Carbazole	10 U	10 U	11 U
Di-n-butyphthalate	10 U	10 U	11 U
Fluoranthene	10 U	10 U	11 U
Pyrene	10 U	10 U	11 U
Butylbenzylphthalate	10 U	10 U	11 U
3,3'-Dichlorobenzidine	10 U	10 U	11 U
Benzo(a)anthracene	10 U	10 U	11 U
Chrysene	10 U	10 U	11 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	11 U
Di-n-octylphthalate	10 U	10 U	11 U
Benzo(b)fluoranthene	10 U	10 U	11 U
Benzo(k)fluoranthene	10 U	10 U	11 U
Benzo(a)pyrene	10 U	10 U	11 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	11 U
Dibenz(a,h)anthracene	10 U	10 U	11 U
Benzo(g,h,i)perylene	10 U	10 U	11 U

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

COMPOUND	MATRIX LOCATION SAMPLE DATE	WATER SEAD-26 01/21/94 MW26-1 209256, 209845	WATER SEAD-26 01/22/94 MW26-3 209258	WATER SEAD-26 01/22/94 MW26-4 209280
	ES ID LAB ID UNITS			
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	0.12 UJ	0.11 UJ	0.11 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-1248	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	73000
Antimony	ug/L	21.5 U	216 U	21.5 U
Arsenic	ug/L	0.8 U	1.3 J	32.6
Barium	ug/L	31.9 J	63.6 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	1150000	1940000	1990000
Chromium	ug/L	2.6 U	2.6 U	122
Cobalt	ug/L	4.4 U	4.4 J	62.2
Copper	ug/L	3.1 U	3.1 U	92
Iron	ug/L	286	858	1450000
Lead	ug/L	0.5 U	0.61 J	32.9
Magnesium	ug/L	18700	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	116000	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	NS	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	SEAD-26	SEAD-26	WATER
	LOCATION	ES ID	ES ID	SEAD-26
	LAB ID	202889	202944	11/01/93
	UNITS			SW26-1
				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
Antracene	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	WATER SAMPLE DATE	WATER LAB ID	WATER UNITS
PESTICIDES/PCB				
alpha-BHC	ug/L	11/01/93	202944	NS
beta-BHC	ug/L	11/01/93	202944	NS
delta-BHC	ug/L	11/01/93	202944	NS
gamma-BHC (Lindane)	ug/L	11/01/93	202944	NS
Heptachlor	ug/L	11/01/93	202944	NS
Aldrin	ug/L	11/01/93	202944	NS
Heptachlor epoxide	ug/L	11/01/93	202944	NS
Endosulfan I	ug/L	11/01/93	202944	NS
Dieldrin	ug/L	11/01/93	202944	NS
4,4'-DDE	ug/L	11/01/93	202944	NS
Endrin	ug/L	11/01/93	202944	NS
Endosulfan II	ug/L	11/01/93	202944	NS
4,4'-DDD	ug/L	11/01/93	202944	NS
Endosulfan sulfate	ug/L	11/01/93	202944	NS
4,4'-DDT	ug/L	11/01/93	202944	NS
Methoxychlor	ug/L	11/01/93	202944	NS
Endrin ketone	ug/L	11/01/93	202944	NS
Endrin aldehyde	ug/L	11/01/93	202944	NS
alpha-Chlordane	ug/L	11/01/93	202944	NS
Gamma-Chlordane	ug/L	11/01/93	202944	NS
Toxaphene	ug/L	11/01/93	202944	NS
Aroclor-1016	ug/L	11/01/93	202944	NS
Aroclor-1221	ug/L	11/01/93	202944	NS
Aroclor-1232	ug/L	11/01/93	202944	NS
Aroclor-1242	ug/L	11/01/93	202944	NS
Aroclor-1248	ug/L	11/01/93	202944	NS
Aroclor-1254	ug/L	11/01/93	202944	NS
Aroclor-1260	ug/L	11/01/93	202944	NS
METALS				
Aluminum	ug/L	11/01/93	202944	NS
Antimony	ug/L	11/01/93	202944	NS
Arsenic	ug/L	11/01/93	202944	NS
Barium	ug/L	11/01/93	202944	NS
Beryllium	ug/L	11/01/93	202944	NS
Cadmium	ug/L	11/01/93	202944	NS
Calcium	ug/L	11/01/93	202944	NS
Chromium	ug/L	11/01/93	202944	NS
Cobalt	ug/L	11/01/93	202944	NS
Copper	ug/L	11/01/93	202944	NS
Iron	ug/L	11/01/93	202944	NS
Lead	ug/L	11/01/93	202944	NS
Magnesium	ug/L	11/01/93	202944	NS
Manganese	ug/L	11/01/93	202944	NS
Mercury	ug/L	11/01/93	202944	NS
Nickel	ug/L	11/01/93	202944	NS
Potassium	ug/L	11/01/93	202944	NS
Selenium	ug/L	11/01/93	202944	NS
Silver	ug/L	11/01/93	202944	NS
Sodium	ug/L	11/01/93	202944	NS
Thallium	ug/L	11/01/93	202944	NS
Vanadium	ug/L	11/01/93	202944	NS
Zinc	ug/L	11/01/93	202944	NS
Cyanide	ug/L	11/01/93	202944	NS
OTHER ANALYSES				
Nitrate/Nitrite-Nitrogen	mg/L	11/01/93	202944	NS
Total Petroleum Hydrocarbons	mg/L	11/01/93	202944	4.17
Fluoride	mg/L	11/01/93	202944	NS
pH	standard units	11/01/93	202944	NA
Specific Conductivity	umhos/cm	11/01/93	202944	NA
Turbidity	NTU	11/01/93	202944	NA

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

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-26 0-0.5 11/01/93	SOIL SEAD-26 0-0.5 11/01/93	SOIL SEAD-26 0-0.5 11/01/93
ES ID	SD200	SD26-1	SD200
LAB ID	203000	202995	202995
UNITS	UNITS	UNITS	UNITS
SEMIVOLATILE ORGANICS			
Phenol	7800 U	NS	NS
bis(2-Chloroethyl) ether	7800 U	NS	NS
2-Chlorophenol	7800 U	NS	NS
1,3-Dichlorobenzene	7800 U	NS	NS
1,4-Dichlorobenzene	7800 U	NS	NS
1,2-Dichlorobenzene	7800 U	NS	NS
2-Methylphenol	7800 U	NS	NS
2,2'-oxybis(1-Chloropropane)	7800 U	NS	NS
4-Methylphenol	7800 U	NS	NS
N-Nitroso-d-n-propylamine	7800 U	NS	NS
Hexachloroethane	7800 U	NS	NS
Nitrobenzene	7800 U	NS	NS
Isophorone	7800 U	NS	NS
2-Nitrophenol	7800 U	NS	NS
2,4-Dimethylphenol	7800 U	NS	NS
bis(2-Chloroethoxy) methane	7800 U	NS	NS
2,4-Dichlorophenol	7800 U	NS	NS
1,2,4-Trichlorobenzene	7800 U	NS	NS
Naphthalene	7800 U	NS	NS
4-Chloroaniline	7800 U	NS	NS
Hexachlorobutadiene	7800 U	NS	NS
4-Chloro-3-methylphenol	7800 U	NS	NS
2-Methylnaphthalene	420 J	NS	NS
Hexachlorocyclopentadiene	7800 U	NS	NS
2,4,6-Trichlorophenol	7800 U	NS	NS
2,4,5-Trichlorophenol	19000 U	NS	NS
2-Chloronaphthalene	7800 U	NS	NS
2-Nitroaniline	19000 U	NS	NS
Dimethylphthalate	7800 U	NS	NS
Acenaphthylene	7800 U	NS	NS
2,6-Dinitrotoluene	7800 U	NS	NS
3-Nitroaniline	19000 U	NS	NS
Acenaphthene	7800 U	NS	NS
2,4-Dinitrophenol	19000 U	NS	NS
4-Nitrophenol	19000 U	NS	NS
Dibenzofuran	7800 U	NS	NS
2,4-Dinitrotoluene	7800 U	NS	NS
Diethylphthalate	7800 U	NS	NS
4-Chlorophenyl-phenylether	7800 U	NS	NS
Fluorene	7800 U	NS	NS
4-Nitroaniline	19000 U	NS	NS
4,6-Dinitro-2-methylphenol	19000 U	NS	NS
N-Nitrosodiphenylamine	7800 U	NS	NS
4-Bromophenyl-phenylether	7800 U	NS	NS
Hexachlorobenzene	7800 U	NS	NS
Pentachlorophenol	19000 U	NS	NS
Phenanthrene	420 J	NS	NS
Anthracene	7800 U	NS	NS
Carbazole	7800 U	NS	NS
Di-n-butylphthalate	7800 U	NS	NS
Fluoranthene	7800 U	NS	NS
Pyrene	7800 U	NS	NS
Butylbenzylphthalate	7800 U	NS	NS
3,3-Dichlorobenzidine	7800 U	NS	NS
Benzo(a)anthracene	7800 U	NS	NS
Chrysene	7800 U	NS	NS
bis(2-Ethylhexyl)phthalate	7800 U	NS	NS
Di-n-octylphthalate	7800 U	NS	NS
Benzo(b)fluoranthene	7800 U	NS	NS
Benzo(k)fluoranthene	7800 U	NS	NS
Benzo(a)pyrene	7800 U	NS	NS
Indeno(1,2,3-cd)pyrene	7800 U	NS	NS
Dibenz(a,h)anthracene	7800 U	NS	NS
Benzo(g,h,i)perylene	7800 U	NS	NS

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

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-26 11/01/93 SD26-1 202395	SOIL SEAD-26 0-0.5 11/01/93 SD200 203000 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-Chlorodane	ug/Kg	2 U	NS
gamma-Chlorodane	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 SS45-5 202512	SOIL SEAD-45 0-0.2 10/25/93 SS45-6 202517	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 U	12 U	12 U	11 U	12 U
Bromomethane ug/Kg	12 U	11 U	12 U	11 U	12 U	12 U	11 U	12 U
Vinyl Chloride ug/Kg	12 U	11 U	12 U	11 U	12 U	12 U	11 U	12 U
Chloroethane ug/Kg	12 U	11 U	12 U	11 U	12 U	12 U	11 U	12 U
Methylene Chloride ug/Kg	12 U	11 U	12 U	11 U	12 U	12 U	11 U	12 U
Acetone ug/Kg	12 U	11 U	12 U	11 U	12 U	12 U	11 U	12 U
Carbon Disulfide ug/Kg	12 U	11 U	12 U	11 U	12 U	12 U	11 U	12 U
1,1-Dichloroethane ug/Kg	12 U	11 U	12 U	11 U	12 U	12 U	11 U	12 U
1,1-Dichloroethane (total) ug/Kg	12 U	11 U	12 U	11 U	12 U	12 U	11 U	12 U
1,2-Dichloroethane ug/Kg	12 U	11 U	12 U	11 U	12 U	12 U	11 U	12 U
1,2-Dichloroethane ug/Kg	12 U	11 U	12 U	11 U	12 U	12 U	11 U	12 U
2-Butanone ug/Kg	12 U	11 U	12 U	11 U	12 U	12 U	11 U	12 U
1,1,1-Trichloroethane ug/Kg	12 U	11 U	12 U	11 U	12 U	12 U	11 U	12 U
Carbon Tetrachloride ug/Kg	12 U	11 U	12 U	11 U	12 U	12 U	11 U	12 U
Bromodichloromethane ug/Kg	12 U	11 U	12 U	11 U	12 U	12 U	11 U	12 U
1,2-Dichloropropane ug/Kg	12 U	11 U	12 U	11 U	12 U	12 U	11 U	12 U
cis-1,3-Dichloropropene ug/Kg	12 U	11 U	12 U	11 U	12 U	12 U	11 U	12 U
Trichloroethene ug/Kg	12 U	11 U	12 U	11 U	12 U	12 U	11 U	12 U
Dibromochloromethane ug/Kg	12 U	11 U	12 U	11 U	12 U	12 U	11 U	12 U
1,1,2-Trichloroethane ug/Kg	12 U	11 U	12 U	11 U	12 U	12 U	11 U	12 U
Benzene ug/Kg	12 U	11 U	12 U	11 U	12 U	12 U	11 U	12 U
trans-1,3-Dichloropropene ug/Kg	12 U	11 U	12 U	11 U	12 U	12 U	11 U	12 U
Bromoform ug/Kg	12 U	11 U	12 U	11 U	12 U	12 U	11 U	12 U
4-Methyl-2-Pentanone ug/Kg	12 U	11 U	12 U	11 U	12 U	12 U	11 U	12 U
2-Hexanone ug/Kg	12 U	11 U	12 U	11 U	12 U	12 U	11 U	12 U
Tetrachloroethene ug/Kg	12 U	11 U	12 U	11 U	12 U	12 U	11 U	12 U
1,1,2,2-Tetrachloroethane ug/Kg	12 U	11 U	12 U	11 U	12 U	12 U	11 U	12 U
Toluene ug/Kg	12 U	11 U	12 U	11 U	12 U	12 U	11 U	12 U
Chlorobenzene ug/Kg	12 U	11 U	12 U	11 U	12 U	12 U	11 U	12 U
Ethylbenzene ug/Kg	12 U	11 U	12 U	11 U	12 U	12 U	11 U	12 U
Styrene ug/Kg	12 U	11 U	12 U	11 U	12 U	12 U	11 U	12 U
Xylene (total) ug/Kg	12 U	11 U	12 U	11 U	12 U	12 U	11 U	12 U
MTBE ug/Kg	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES								
2,4-D ug/Kg	63 U	56 U	60 U	54 U	59 U	60 U	57 U	63 U
2,4-DB ug/Kg	63 U	56 U	60 U	54 U	59 U	60 U	57 U	63 U
2,4,5-T ug/Kg	6.3 U	5.6 U	6 U	5.4 U	5.9 U	6 U	5.7 U	6.3 U
2,4,5-TP (Silvex) ug/Kg	6.3 U	5.6 U	6 U	5.4 U	5.9 U	6 U	5.7 U	6.3 U
Dalapon ug/Kg	150 U	140 U	150 U	130 U	150 U	150 U	140 U	160 U
Dicamba ug/Kg	6.3 U	5.6 U	6 U	5.4 U	5.9 U	6 U	5.7 U	6.3 U
Dichloroprop ug/Kg	63 U	56 U	60 U	54 U	59 U	60 U	57 U	63 U
Dinoseb ug/Kg	32 U	29 U	30 U	27 U	30 U	30 U	28 U	32 U
MCFA ug/Kg	9400	6300	6000 U	5400 U	5900 U	6000 U	5700 U	6300 U
MCPP ug/Kg	6300 U	5800 U	6000 U	5400 U	5900 U	6000 U	5700 U	6300 U
NITROAROMATICS								
HMX ug/Kg	130 U	130 U	130 U	130 U	120 J	140 J	130 U	130 U
RDZ ug/Kg	130 U	130 U	100 J	82 J	280 J	290 J	83 J	130 U
1,3,5-Trinitrobenzene ug/Kg	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
Tetryl ug/Kg	130 U	130 U	130 U	90 J	130 U	130 J	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
4-amino-2,6-Dinitrotoluene ug/Kg	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
2,6-Dinitrotoluene ug/Kg	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	110 J	150 J	140 J	130 U	130 U

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 ES ID LAB ID COMPOUND 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 SS45-5 202512	SOIL SEAD-45 0-0.2 10/25/93 SS45-10 202517 SS45-5DUP	SOIL SEAD-45 0-0.2 10/25/93 SS45-7 202514	SOIL SEAD-45 0-0.2 10/25/93 SS45-6 202515
SEMIVOLATILE ORGANICS								
Phenol	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
bis(2-Chloroethyl) ether	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
2-Chlorophenol	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
1,3-Dichlorobenzene	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
1,4-Dichlorobenzene	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
1,2-Dichlorobenzene	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
2-Methylphenol	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
2,2'-oxybis(1-Chloropropane)	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
4-Methylphenol	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
N-Nitroso-di-n-propylamine	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
Hexachlorocyclopentadiene	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
Nitrobenzene	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
Isophorone	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
2-Nitrophenol	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
2,4-Dimethylphenol	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
bis(2-Chloroethoxy) methane	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
2,4-Dichlorophenol	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
1,2,4-Trichlorobenzene	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
Naphthalene	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
4-Chloroaniline	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
Hexachlorobutadiene	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
4-Chloro-3-methylphenol	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
2-Methylnaphthalene	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
Hexachlorocyclopentadiene	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
2,4,6-Trichlorophenol	1000 U	960 U	1000 U	960 U	990 U	990 U	1000 U	1000 U
2,4,5-Trichlorophenol	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
2-Chloronaphthalene	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
2-Nitroaniline	1000 U	960 U	1000 U	960 U	990 U	990 U	1000 U	1000 U
Dimethylphthalate	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
Acenaphthylene	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
2,6-Dinitrotoluene	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
3-Nitroaniline	1000 U	960 U	1000 U	960 U	990 U	990 U	1000 U	1000 U
Acenaphthene	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
2,4-Dinitrophenol	1000 U	960 U	1000 U	960 U	990 U	990 U	1000 U	1000 U
4-Nitrophenol	1000 U	960 U	1000 U	960 U	990 U	990 U	1000 U	1000 U
Dibenzofuran	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
2,4-Dinitrotoluene	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
Diethylphthalate	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
4-Chlorophenyl-phenyl ether	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
Fluorene	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
4-Nitroaniline	1000 U	960 U	1000 U	960 U	990 U	990 U	1000 U	1000 U
4,6-Dinitro-2-methylphenol	1000 U	960 U	1000 U	960 U	990 U	990 U	1000 U	1000 U
N-Nitrosodiphenylamine	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
4-Bromophenyl-phenyl ether	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
Hexachlorobenzene	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
Pentachlorophenol	1000 U	960 U	1000 U	960 U	990 U	990 U	1000 U	1000 U
Phenanthrene	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
Anthracene	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
Carbazole	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
Di-n-butylphthalate	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
Fluoranthene	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
Pyrene	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
Butylbenzylphthalate	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
3,3'-Dichlorobenzidine	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
Benzo(a)anthracene	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
Chrysene	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
bis(2-Ethylhexyl)phthalate	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
Di-n-octylphthalate	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
Benzo(b)fluoranthene	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
Benzo(k)fluoranthene	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
Benzo(a)pyrene	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
Indeno(1,2,3-c)pyrene	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
Dibenz(a,h)anthracene	410 U	360 U	400 U	360 U	390 U	390 U	360 U	420 U
Benzo(g,h,i)perylene	410 U	360 U	400 U	360 U	390 U	390 U	360 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 SS45-5 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	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	2 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	2 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	2 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	2 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	2 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	2 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	2 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	2 U	NS	2 U	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	3.9 U	NS	3.8 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	2.5 J	3.9 U	NS	3.8 U	3.8 U	3.2 J	3.8 U	4.1 U
Endrin	ug/Kg	4.1 U	3.8 U	4 U	2.5 J	3.9 U	NS	3.8 U	3.8 U	3.2 J	3.8 U	4.1 U
Endosulfan II	ug/Kg	4.1 U	3.8 U	4 U	2.5 J	3.9 U	NS	3.8 U	3.8 U	3.2 J	3.8 U	4.1 U
4,4'-DDD	ug/Kg	4.1 U	3.8 U	4 U	2.5 J	3.9 U	NS	3.8 U	3.8 U	3.2 J	3.8 U	4.1 U
Endosulfan sulfate	ug/Kg	4.1 U	3.8 U	4 U	2.5 J	3.9 U	NS	3.8 U	3.8 U	3.2 J	3.8 U	4.1 U
4,4'-DDT	ug/Kg	4.1 U	3.8 U	4 U	2.5 J	3.9 U	NS	3.8 U	3.8 U	3.2 J	3.8 U	4.1 U
Methoxychlor	ug/Kg	21 U	20 U	20 U	18 U	20 U	NS	20 U	20 U	18 U	19 U	21 U
Endrin ketone	ug/Kg	4.1 U	3.8 U	4 U	2.5 J	3.9 U	NS	3.8 U	3.8 U	3.2 J	3.8 U	4.1 U
alpha-Chlordane	ug/Kg	2.1 U	2 U	2 U	1.5 J	2 U	NS	2 U	2 U	1.5 J	1.9 U	2.1 U
gamma-Chlordane	ug/Kg	2.1 U	2 U	2 U	1.5 J	2 U	NS	2 U	2 U	1.5 J	1.9 U	2.1 U
Toxaphene	ug/Kg	210 U	200 U	200 U	180 U	200 U	NS	200 U	200 U	180 U	190 U	210 U
Aroclor-1016	ug/Kg	41 U	38 U	40 U	36 U	40 U	NS	38 U	38 U	36 U	38 U	41 U
Aroclor-1221	ug/Kg	84 U	78 U	80 U	73 U	80 U	NS	78 U	78 U	73 U	77 U	84 U
Aroclor-1232	ug/Kg	41 U	38 U	40 U	36 U	40 U	NS	38 U	38 U	36 U	38 U	41 U
Aroclor-1242	ug/Kg	41 U	38 U	40 U	36 U	40 U	NS	38 U	38 U	36 U	38 U	41 U
Aroclor-1248	ug/Kg	41 U	38 U	40 U	36 U	40 U	NS	38 U	38 U	36 U	38 U	41 U
Aroclor-1254	ug/Kg	41 U	38 U	40 U	36 U	40 U	NS	38 U	38 U	36 U	38 U	41 U
Aroclor-1260	ug/Kg	41 U	38 U	40 U	36 U	40 U	NS	38 U	38 U	36 U	38 U	41 U
METALS												
Aluminum	mg/Kg	17300	19400	18900	14900	17600	NS	15600	16000	16300	18000	18600
Antimony	mg/Kg	10 UJ	11.5 UJ	10.8 UJ	7.9 UJ	9.3 UJ	NS	10.1 UJ	9.7 UJ	8.5 UJ	9.7 UJ	11.4 UJ
Arsenic	mg/Kg	5	5.5	5.1	6.4	6.2	NS	6.4	6.8	5.5	6.8	6.4
Barium	mg/Kg	122	194	115	143	161	NS	151	160	160	163	365
Beryllium	mg/Kg	0.7 J	0.77 J	0.83 J	0.63 J	0.72 J	NS	0.7 J	0.72 J	0.71 J	0.82 J	0.69 J
Cadmium	mg/Kg	2.8	2.4	1.1	3.9	3.9	NS	3.9 J	3.9 J	3.8	4.8 J	4.8 J
Calcium	mg/Kg	8510	10300	21800	47000	26000	NS	47000	23400	6930	6930	16800
Chromium	mg/Kg	24.1	39.3	27.4	22.9	28.9	NS	23.8	24.2	24.2	27.2	27.2
Cobalt	mg/Kg	10.8	24.3	14.1	12.4	12.9	NS	12.2	11.7	11.7	13.1	12.1
Copper	mg/Kg	79.4	192	55.8	155	538	NS	405	491	491	69.8	293
Iron	mg/Kg	25800	75700	30500	26700	31400	NS	30400	28100	29900	29900	29400
Lead	mg/Kg	20.4	15.7	12	34.9	63.6	NS	54.9	63.2	64.0	66.9	66.9
Magnesium	mg/Kg	5530	5950	6790	8420	7320	NS	7000	6440	5170	6740	6740
Manganese	mg/Kg	562	1150	627	530	575	NS	599	555	555	1050	489
Mercury	mg/Kg	0.43	0.63	0.17	0.43	0.43	NS	2.1 J	2.4	2.4	0.41 J	1.9 J
Nickel	mg/Kg	29.4	41.3	40.5	35.2	40.5	NS	36.4	34.2	34.2	39.4	39.4
Potassium	mg/Kg	2910	3140	2720	2100	2140	NS	1980	2060	2060	2080	2530
Selenium	mg/Kg	0.27 U	0.16 U	0.21 U	0.23 U	0.18 UJ	NS	0.22 UJ	0.18 U	0.24 UJ	0.24 UJ	0.24 UJ
Silver	mg/Kg	1.3 UJ	1.5 UJ	1.1 UJ	1 UJ	1.2 UJ	NS	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ
Sodium	mg/Kg	67.1 J	100 J	114 J	142 J	104 J	NS	104 J	136 J	136 J	136 J	93.5 J
Thallium	mg/Kg	0.29 UJ	0.2 UJ	0.25 UJ	0.25 UJ	0.19 U	NS	0.24 U	0.2 UJ	0.2 UJ	0.2 UJ	0.26 U
Vanadium	mg/Kg	28.6	35.4	30.5	23.7	27.9	NS	25.8	27.3	27.3	32.3	306
Zinc	mg/Kg	148	122	115	208	427	NS	361	347	347	126	306
Cyanide	mg/Kg	0.58 U	0.57 U	0.58 U	0.54 U	0.72 U	NS	0.67 U	0.52 U	0.52 U	0.66 U	0.72 U
OTHER ANALYSES												
Nitrate/Nitrite - Nitrogen	mg/Kg	0.38	0.38	0.05	1.34	0.13	NS	0.06	0.06	11.8	6	0.12
Total Solids	%W/W	85.7	85.7	82.6	91.9	84	NS	84.2	87.4	91.6	87.4	78.7
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-45 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-45	SOIL SEAD-45	SOIL SEAD-45	SOIL SEAD-45	SOIL SEAD-45	SOIL SEAD-45	SOIL SEAD-45	SOIL SEAD-45
	ES ID	TP45-1	TP45-2	TP45-3	TP45-4	TP45-5	TP45-6	TP45-7	TP45-8
	LAB ID	203646	203650	203654	204026	204030	204028	204032	
	UNITS	203648	203652	203654	204028	204032			
VOLATILE ORGANICS									
Chloromethane	ug/Kg	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Bromomethane	ug/Kg	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Vinyl Chloride	ug/Kg	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Chloroethane	ug/Kg	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Methylene Chloride	ug/Kg	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Acetone	ug/Kg	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Carbon Disulfide	ug/Kg	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
1,1-Dichloroethane	ug/Kg	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
1,1-Dichloroethane (total)	ug/Kg	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
1,2-Dichloroethane	ug/Kg	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Chloroform	ug/Kg	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
2-Butanone	ug/Kg	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
1,1,1-Trichloroethane	ug/Kg	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Carbon Tetrachloride	ug/Kg	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Bromodichloromethane	ug/Kg	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
1,2-Dichloropropane	ug/Kg	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
cis-1,3-Dichloropropene	ug/Kg	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Trichloroethene	ug/Kg	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Dibromochloromethane	ug/Kg	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
1,1,2-Trichloroethane	ug/Kg	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Benzene	ug/Kg	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
trans-1,3-Dichloropropene	ug/Kg	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Bromoform	ug/Kg	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
4-Methyl-2-Pentanone	ug/Kg	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
2-Hexanone	ug/Kg	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Tetrachloroethene	ug/Kg	4 J	8 J	19	2 J	3 J	2 J	3 J	3 J
1,1,2,2-Tetrachloroethane	ug/Kg	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Toluene	ug/Kg	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Chlorobenzene	ug/Kg	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Ethylbenzene	ug/Kg	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Styrene	ug/Kg	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
Xylene (total)	ug/Kg	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
HERBICIDES									
2,4-D	ug/Kg	56 U	58 U	60 U	69 U	69 U	69 U	69 U	69 U
2,4-DB	ug/Kg	56 U	58 U	60 U	69 U	69 U	69 U	69 U	69 U
2,4,5-T	ug/Kg	5.5 U	5.8 U	6 U	6 U	6 U	6 U	6 U	6 U
2,4,5-TP (Sivex)	ug/Kg	5.5 U	5.8 U	6 U	6 U	6 U	6 U	6 U	6 U
Dalapon	ug/Kg	150 U	140 U	150 U	170 U	170 U	170 U	170 U	170 U
Dicamba	ug/Kg	5.5 U	5.8 U	6 U	6 U	6 U	6 U	6 U	6 U
Dichloroprop	ug/Kg	55 U	58 U	60 U	69 U	69 U	69 U	69 U	69 U
Dinoseb	ug/Kg	28 U	28 U	30 U	35 U	35 U	35 U	35 U	35 U
MCPA	ug/Kg	5600 U	5800 U	6000 U	6900 U	6900 U	6900 U	6900 U	6900 U
MCPP	ug/Kg	5600 U	5800 U	6000 U	6900 U	6900 U	6900 U	6900 U	6900 U
NITROAROMATICS									
HNX	ug/Kg	250 J	470 J	240 J	350	200	350	200	200
RDX	ug/Kg	5800 J	2700 J	2500 J	4300	1300	4300	1300	1300
1,3,5-Trinitrobenzene	ug/Kg	130 UU	170 J	130 UU	180	140	180	140	140
1,3-Dinitrobenzene	ug/Kg	130 UU	130 UU	130 UU	130 UU	130 UU	130 UU	130 UU	130 UU
Tetryl	ug/Kg	130 UU	130 UU	130 UU	130 UU	130 UU	130 UU	130 UU	130 UU
2,4,6-Trinitrotoluene	ug/Kg	1400 J	340 J	400 J	330	280	330	280	280
4-amino-2,6-Dinitrotoluene	ug/Kg	270 J	130 UU	130 UU	130 UU	130 UU	130 UU	130 UU	130 UU
2-amino-4,6-Dinitrotoluene	ug/Kg	430 J	680 J	530 J	480	350	480	350	350
2,6-Dinitrotoluene	ug/Kg	130 UU	130 UU	130 UU	130 UU	130 UU	130 UU	130 UU	130 UU
2,4-Dinitrotoluene	ug/Kg	130 UU	140 J	120 J	110 J	90 J	110 J	90 J	90 J

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

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-45	SOIL SEAD-45	SOIL SEAD-45	SOIL SEAD-45	SOIL SEAD-45	SOIL SEAD-45	SOIL SEAD-45
	ES ID LAB ID	11/08/93 TP45-11 203856-203658	11/08/93 TP45-2 203650-203652	11/08/93 TP45-3 203654	11/09/93 TP45-4 204026-204028	11/09/93 TP45-5 204030-204032		
	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SEMIVOLATILE ORGANICS								
Phenol	390 U	370 U	1900 U	400 U	460 U	370 U		
bis(2-Chloroethyl) ether	390 U	370 U	1900 U	400 U	460 U	370 U		
2-Chlorophenol	390 U	370 U	1900 U	400 U	460 U	370 U		
1,3-Dichlorobenzene	390 U	370 U	1900 U	400 U	460 U	370 U		
1,4-Dichlorobenzene	390 U	370 U	1900 U	400 U	460 U	370 U		
1,2-Dichlorobenzene	390 U	370 U	1900 U	400 U	460 U	370 U		
2-Methylphenol	390 U	370 U	1900 U	400 U	460 U	370 U		
2,2'-oxybis(1-Chloropropane)	390 U	370 U	1900 U	400 U	460 U	370 U		
4-Methylphenol	390 U	370 U	1900 U	400 U	460 U	370 U		
N-Nitroso-d-n-propylamine	390 U	370 U	1900 U	400 U	460 U	370 U		
Hexachloroethane	390 U	72 J	1900 U	1100	41 J	36 J		
Nitrobenzene	390 U	360 U	1900 U	400 U	460 U	370 U		
Isophorone	390 U	360 U	1900 U	400 U	460 U	370 U		
2-Nitrophenol	390 U	370 U	1900 U	400 U	460 U	370 U		
2,4-Dimethylphenol	390 U	370 U	1900 U	400 U	460 U	370 U		
bis(2-Chloroethoxy) methane	390 U	370 U	1900 U	400 U	460 U	370 U		
1,2,4-Trichlorobenzene	390 U	370 U	1900 U	400 U	460 U	370 U		
Naphthalene	390 U	30 J	1900 U	24 J	30 J	370 U		
4-Chloroaniline	390 U	27 J	1900 U	24 J	30 J	370 U		
Hexachlorobutadiene	390 U	360 U	1900 U	400 U	460 U	370 U		
4-Chloro-3-methylphenol	390 U	360 U	1900 U	400 U	460 U	370 U		
2-Methylnaphthalene	390 U	360 U	1900 U	400 U	460 U	370 U		
Hexachlorocyclopentadiene	390 U	360 U	1900 U	400 U	460 U	370 U		
2,4,6-Trichlorophenol	390 U	370 U	1900 U	400 U	460 U	370 U		
2,4,5-Trichlorophenol	940 U	890 U	4600 U	960 U	1100 U	900 U		
2-Chloronaphthalene	390 U	370 U	1900 U	400 U	460 U	370 U		
2-Nitroaniline	940 U	890 U	4600 U	960 U	1100 U	900 U		
Dimethylphthalate	390 U	360 U	1900 U	400 U	460 U	370 U		
Acenaphthylene	390 U	17 J	1900 U	400 U	460 U	370 U		
2,6-Dinitrotoluene	390 U	18 J	1900 U	400 U	460 U	370 U		
3-Nitroaniline	940 U	890 U	4600 U	960 U	1100 U	900 U		
Acenaphthene	390 U	370 U	1900 U	400 U	460 U	370 U		
2,4-Dinitrophenol	940 U	890 U	4600 U	960 U	1100 U	900 U		
4-Nitrophenol	940 U	890 U	4600 U	960 U	1100 U	900 U		
Dibenzofuran	390 U	370 U	1900 U	400 U	460 U	370 U		
2,4-Dinitrotoluene	390 U	100 J	14000	84 J	59 J	230 J		
Diethylphthalate	390 U	360 U	1900 U	400 U	460 U	370 U		
4-Chlorophenyl-phenyl ether	390 U	370 U	1900 U	400 U	460 U	370 U		
Fluorene	390 U	370 U	1900 U	400 U	460 U	370 U		
4-Nitroaniline	940 U	890 U	4600 U	960 U	1100 U	900 U		
4,6-Dinitro-2-methylphenol	940 U	890 U	4600 U	960 U	1100 U	900 U		
N-Nitrosodiphenylamine	390 U	370 U	1900 U	400 U	460 U	370 U		
4-Bromophenyl-phenyl ether	390 U	30 J	1600 J	20 J	260 U	25 J		
Hexachlorobenzene	30 J	62 J	1900 U	400 U	460 U	370 U		
Pentachlorophenol	940 U	54 J	1900 U	400 U	460 U	370 U		
Phenanthrene	18 J	38 J	4600 U	960 U	1100 U	900 U		
Anthracene	390 U	38 J	1900 U	400 U	460 U	370 U		
Carbazole	390 U	17 J	1900 U	400 U	460 U	370 U		
Di-n-butylphthalate	390 U	370 U	1900 U	400 U	460 U	370 U		
Fluoranthene	390 U	35 J	170 J	27 J	75 J	230 J		
Pyrene	36 J	59 J	1900 U	52 J	68 J	97 J		
Butylbenzylphthalate	390 U	370 U	1900 U	400 U	460 U	370 U		
3,3'-Dichlorobenzidine	390 U	370 U	1900 U	400 U	460 U	370 U		
Benzo(a)anthracene	390 U	32 J	1900 U	22 J	36 J	370 U		
Chrysene	27 J	44 J	1900 U	37 J	51 J	47 J		
bis(2-Ethylhexyl)phthalate	350 J	65 J	1900 U	400 U	460 U	370 U		
Di-n-octylphthalate	390 U	370 U	1900 U	400 U	460 U	370 U		
Benzo(b)fluoranthene	20 J	38 J	1900 U	24 J	39 J	42 J		
Benzo(k)fluoranthene	390 U	28 J	1900 U	21 J	34 J	23 J		
Benzo(a)pyrene	390 U	41 J	1900 U	28 J	45 J	42 J		
Indeno(1,2,3-cd)pyrene	390 U	360 U	1900 U	400 U	460 U	370 U		
Dibenz(a,h)anthracene	390 U	370 U	1900 U	400 U	460 U	370 U		
Benzo(g,h,i)perylene	390 U	66 J	1900 U	34 J	53 J	45 J		

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

COMPOUND	MATRIX LOCATION DEPTH (FEET)	SAMPLE DATE	LAB ID	UNITS	SOIL SEAD-45		SOIL SEAD-45		SOIL SEAD-45		SOIL SEAD-45
					3	3	3	3	3		
PESTICIDES/PCB											
alpha-BHC	0-0.2	10/25/93	SS45-9	202516	R	1.9 U	2 U	2 U	2.4 U	2.4 U	1.9 U
beta-BHC	0-0.2	10/25/93	SS45-9	202516	R	1.9 U	2 U	2 U	2.4 U	2.4 U	1.9 U
delta-BHC	0-0.2	10/25/93	SS45-9	202516	R	1.9 U	2 U	2 U	2.4 U	2.4 U	1.9 U
gamma-BHC (Lindane)	0-0.2	10/25/93	SS45-9	202516	R	1.9 U	2 U	2 U	2.4 U	2.4 U	1.9 U
Heptachlor	0-0.2	10/25/93	SS45-9	202516	R	1.9 U	2 U	2 U	2.4 U	2.4 U	1.9 U
Aldrin	0-0.2	10/25/93	SS45-9	202516	R	1.9 U	2 U	2 U	2.4 U	2.4 U	1.9 U
Heptachlor epoxide	0-0.2	10/25/93	SS45-9	202516	R	1.9 U	2 U	2 U	2.4 U	2.4 U	1.9 U
Endosulfan I	0-0.2	10/25/93	SS45-9	202516	R	1.9 U	2 U	2 U	2.4 U	2.4 U	1.9 U
Endosulfan II	0-0.2	10/25/93	SS45-9	202516	R	1.9 U	2 U	2 U	2.4 U	2.4 U	1.9 U
4,4'-DDE	0-0.2	10/25/93	SS45-9	202516	R	1.9 U	2 U	2 U	2.4 U	2.4 U	1.9 U
4,4'-DDD	0-0.2	10/25/93	SS45-9	202516	R	1.9 U	2 U	2 U	2.4 U	2.4 U	1.9 U
4,4'-DDT	0-0.2	10/25/93	SS45-9	202516	R	1.9 U	2 U	2 U	2.4 U	2.4 U	1.9 U
Methoxychlor	0-0.2	10/25/93	SS45-9	202516	R	1.9 U	2 U	2 U	2.4 U	2.4 U	1.9 U
Endrin ketone	0-0.2	10/25/93	SS45-9	202516	R	1.9 U	2 U	2 U	2.4 U	2.4 U	1.9 U
Endrin aldehyde	0-0.2	10/25/93	SS45-9	202516	R	1.9 U	2 U	2 U	2.4 U	2.4 U	1.9 U
alpha-Chlordane	0-0.2	10/25/93	SS45-9	202516	R	1.9 U	2 U	2 U	2.4 U	2.4 U	1.9 U
Toxaphene	0-0.2	10/25/93	SS45-9	202516	R	1.9 U	2 U	2 U	2.4 U	2.4 U	1.9 U
Aroclor-1016	0-0.2	10/25/93	SS45-9	202516	R	1.9 U	2 U	2 U	2.4 U	2.4 U	1.9 U
Aroclor-1221	0-0.2	10/25/93	SS45-9	202516	R	1.9 U	2 U	2 U	2.4 U	2.4 U	1.9 U
Aroclor-1232	0-0.2	10/25/93	SS45-9	202516	R	1.9 U	2 U	2 U	2.4 U	2.4 U	1.9 U
Aroclor-1242	0-0.2	10/25/93	SS45-9	202516	R	1.9 U	2 U	2 U	2.4 U	2.4 U	1.9 U
Aroclor-1248	0-0.2	10/25/93	SS45-9	202516	R	1.9 U	2 U	2 U	2.4 U	2.4 U	1.9 U
Aroclor-1254	0-0.2	10/25/93	SS45-9	202516	R	1.9 U	2 U	2 U	2.4 U	2.4 U	1.9 U
Aroclor-1260	0-0.2	10/25/93	SS45-9	202516	R	1.9 U	2 U	2 U	2.4 U	2.4 U	1.9 U
METALS											
Aluminum	mg/Kg	17800	20100	16500	20800	22800	20600	17300	20600	17300	17300
Antimony	mg/Kg	9.4 U	9.7 U	7.6 U	7.1 U	12.4 U	10.2 U	9.2 U	10.2 U	9.2 U	9.2 U
Arsenic	mg/Kg	6.1	6.8	6.3	7.1	8.2	6.2	6.1	6.2	6.1	6.1
Barium	mg/Kg	202	208	177	201	248	216	174	216	174	174
Beryllium	mg/Kg	0.79 J	0.9 J	0.8	0.91 J	1.1 J	0.94 J	0.8 J	0.94 J	0.8 J	0.8 J
Cadmium	mg/Kg	5.5 J	10.4 J	9.6 J	9.5 J	13.1 J	10.9	7.4	10.9	7.4	7.4
Calcium	mg/Kg	22600	42700	31500	26400	32500	36400	32100	36400	32100	R
Chromium	mg/Kg	27.4	31.3	25.7	30.1	35.5	32.1	27.6	32.1	27.6	R
Cobalt	mg/Kg	15	13.2	13.2	12.8	16.9	15.3	12.1	15.3	12.1	12.1
Copper	mg/Kg	267	722	555	561	791	1240 J	449 J	1240 J	449 J	449 J
Iron	mg/Kg	32500	35700	31900	31500	41300	37600	31600	37600	31600	31600
Lead	mg/Kg	77.7	54.1	73.3	69.4	87.8	74.7	61.9	74.7	61.9	61.9
Magnesium	mg/Kg	912	1380	613	605	827	8940	7570	8940	7570	7570
Mercury	mg/Kg	1.9 J	3.1 J	1.4 J	3.1 J	3.1 J	3.6	4.3	3.6	4.3	4.3
Nickel	mg/Kg	42.5	41.8	39.1	40.5	51	48.3	39.2	48.3	39.2	39.2
Potassium	mg/Kg	2260	3040	1960	3280	3010	2400	1960	2400	1960	1960
Selenium	mg/Kg	0.24 U	0.15 U	0.16 U	0.16 U	0.23 U	0.27 U	0.2 U	0.27 U	0.2 U	0.2 U
Silver	mg/Kg	1.3 J	3.2 J	4.7 J	5 J	6.6 J	26.2 J	3.9 J	26.2 J	3.9 J	3.9 J
Sodium	mg/Kg	93.4 J	141 J	105 J	116 J	135 J	136 J	122 J	135 J	122 J	122 J
Thallium	mg/Kg	0.26 U	0.25 U	0.16 U	0.17 U	0.29 U	0.29 U	0.22 U	0.29 U	0.22 U	0.22 U
Vanadium	mg/Kg	28.9	32.4	26.7	34.4	38	32.8	27.3	32.8	27.3	27.3
Zinc	mg/Kg	383	345	360	390	538	557 J	333 J	557 J	333 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	0.62	0.51 U	0.51 U
OTHER ANALYSES											
Nitrate/Nitrite - Nitrogen	mg/Kg	0.55	27	28	19.5	18.8	9.8	13.3	9.8	13.3	13.3
Total Solids	%W/W	85.2	90.3	90.7	86.7	82.9	72.2	89.3	72.2	89.3	89.3
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
GROUNDWATER ANALYSIS RESULTS

MATRIX LOCATION SAMPLE DATE LAB ID	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 MW3 210060	WATER SEAD-45/OD 02/02/94 MW4 210194	WATER SEAD-45/OD 02/02/94 MW5 210195
VOLATILE ORGANICS							
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	NS	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	NS	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	NS	10 U	10 U	10 U
Methylene Chloride	10 U	10 U	10 U	NS	10 U	10 U	10 U
Acetone	10 U	10 U	10 U	NS	10 U	10 U	10 U
Carbon Disulfide	10 U	10 U	10 U	NS	10 U	10 U	10 U
1,1-Dichloroethane	10 U	10 U	10 U	NS	10 U	10 U	10 U
1,1-Dichloroethane (total)	10 U	10 U	10 U	NS	10 U	10 U	10 U
1,2-Dichloroethane	10 U	10 U	10 U	NS	10 U	10 U	10 U
1,2-Dichloroethane	10 U	10 U	10 U	NS	10 U	10 U	10 U
2-Butanone	10 U	10 U	10 U	NS	10 U	10 U	10 U
1,1,1-Trichloroethane	10 U	10 U	10 U	NS	10 U	10 U	10 U
Carbon Tetrachloride	10 U	10 U	10 U	NS	10 U	10 U	10 U
Bromodichloromethane	10 U	10 U	10 U	NS	10 U	10 U	10 U
1,2-Dichloropropane	10 U	10 U	10 U	NS	10 U	10 U	10 U
cis-1,3-Dichloropropene	10 U	10 U	10 U	NS	10 U	10 U	10 U
Trichloroethene	10 U	10 U	10 U	NS	10 U	10 U	10 U
Dibromochloromethane	10 U	10 U	10 U	NS	10 U	10 U	10 U
1,1,2-Trichloroethane	10 U	10 U	10 U	NS	10 U	10 U	10 U
Benzene	10 U	10 U	10 U	NS	10 U	10 U	10 U
trans-1,3-Dichloropropene	10 U	10 U	10 U	NS	10 U	10 U	10 U
Bromodorm	10 U	10 U	10 U	NS	10 U	10 U	10 U
4-Methyl-2-Pentanone	10 U	10 U	10 U	NS	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	NS	10 U	10 U	10 U
Tetrachloroethene	10 U	10 U	10 U	NS	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10 U	10 U	10 U	NS	10 U	10 U	10 U
Toluene	10 U	10 U	10 U	NS	10 U	10 U	10 U
Chlorobenzene	10 U	10 U	10 U	NS	10 U	10 U	10 U
Ethylbenzene	10 U	10 U	10 U	NS	10 U	10 U	10 U
Styrene	10 U	10 U	10 U	NS	10 U	10 U	10 U
Xylene (total)	10 U	10 U	10 U	NS	10 U	10 U	10 U
MTBE	NS	NS	NS	NS	NS	NS	NS
HERBICIDES							
2,4-D	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U
2,4-DB	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U
4,5-T	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.12 U	0.11 U
2,4,5-TP (Silvex)	2.5 U	2.5 U	2.5 U	2.5 U	2.4 U	2.7 U	2.5 U
Dalapon	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.12 U	0.11 U
Dicamba	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U
Dichloroprop	0.54 U	0.53 U	0.54 U	0.53 U	0.59 U	1.2 U	0.55 U
Dinoseb	110 U	110 U	110 U	110 U	110 U	120 U	110 U
MCPA	110 U	110 U	110 U	110 U	110 U	120 U	110 U
MCPP	110 U	110 U	110 U	110 U	110 U	120 U	110 U
NITROAROMATICS							
HMX	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
RDX	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	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,3-Dinitrobenzene	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Tetryl	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.067 J
2,4,6-Trinitrotoluene	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-Dinitrochloruene	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-Dinitrochloruene	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
2,6-Dinitrotoluene	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
2,4-Dinitrotoluene	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
NFI stands for NOT RECORDED

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

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

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

COMPOUND	MATRIX LOCATION SAMPLE DATE	WATER SEAD-45		WATER SEAD-45/OD		WATER SEAD-45/OD		WATER SEAD-45/OD		WATER SEAD-45/OD	
		ES ID	LAB ID	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
PESTICIDES/PCB											
alpha-BHC	ug/L	0.056 U	0.059 U	0.056 U	0.057 U	0.052 U	0.059 U	0.054 U	0.059 U	0.054 U	0.054 U
beta-BHC	ug/L	0.056 U	0.059 U	0.056 U	0.057 U	0.052 U	0.059 U	0.054 U	0.059 U	0.054 U	0.054 U
delta-BHC	ug/L	0.056 U	0.059 U	0.056 U	0.057 U	0.052 U	0.059 U	0.054 U	0.059 U	0.054 U	0.054 U
gamma-BHC (Lindane)	ug/L	0.056 U	0.059 U	0.056 U	0.057 U	0.052 U	0.059 U	0.054 U	0.059 U	0.054 U	0.054 U
Heptachlor	ug/L	0.056 U	0.059 U	0.056 U	0.057 U	0.052 U	0.059 U	0.054 U	0.059 U	0.054 U	0.054 U
Aldrin	ug/L	0.056 U	0.059 U	0.056 U	0.057 U	0.052 U	0.059 U	0.054 U	0.059 U	0.054 U	0.054 U
Heptachlor epoxide	ug/L	0.056 U	0.059 U	0.056 U	0.057 U	0.052 U	0.059 U	0.054 U	0.059 U	0.054 U	0.054 U
Endosulfan I	ug/L	0.056 U	0.059 U	0.056 U	0.057 U	0.052 U	0.059 U	0.054 U	0.059 U	0.054 U	0.054 U
Dieldrin	ug/L	0.11 U	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
4,4'-DDE	ug/L	0.11 U	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Endrin	ug/L	0.11 U	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Endosulfan II	ug/L	0.11 U	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
4,4'-DDD	ug/L	0.11 U	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Endosulfan sulfate	ug/L	0.11 U	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
4,4'-DDT	ug/L	0.11 U	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Methoxychlor	ug/L	0.56 U	0.59 U	0.56 U	0.57 U	0.52 U	0.59 U	0.54 U	0.59 U	0.54 U	0.54 U
Endrin ketone	ug/L	0.11 U	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Endrin aldehyde	ug/L	0.11 U	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
alpha-Chlordane	ug/L	0.056 U	0.059 U	0.056 U	0.057 U	0.052 U	0.059 U	0.054 U	0.059 U	0.054 U	0.054 U
gamma-Chlordane	ug/L	0.056 U	0.059 U	0.056 U	0.057 U	0.052 U	0.059 U	0.054 U	0.059 U	0.054 U	0.054 U
Toxaphene	ug/L	5.6 U	5.9 U	5.6 U	5.7 U	5.2 U	5.9 U	5.4 U	5.9 U	5.4 U	5.4 U
Aroclor-1016	ug/L	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Aroclor-1221	ug/L	2.2 U	2.4 U	2.2 U	2.3 U	2.1 U	2.4 U	2.2 U	2.4 U	2.2 U	2.2 U
Aroclor-1232	ug/L	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Aroclor-1242	ug/L	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Aroclor-1248	ug/L	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Aroclor-1254	ug/L	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Aroclor-1260	ug/L	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
METALS											
Aluminum	ug/L	42 U	7510	63300	124 J	828	83.5 J	821	17700	821	821
Antimony	ug/L	26.8 J R	36.7 J R	21.6 J R	24.3 J R	23.1 J R	52.1 J R	28.1 J R	49.6 J R	28.1 J R	28.1 J R
Arsenic	ug/L	1.4 U	1.8 J	9.5 J	1.4 U	1.4 U	1.4 U	1.4 U	1.7 J	1.4 U	1.4 U
Barium	ug/L	27.2 J	62.1 J	751	56.5 J	50.8 J	25.5 J	82.8 J	195 J	82.8 J	82.8 J
Beryllium	ug/L	0.4 U	0.52 J	5	0.4 U	0.4 U	0.4 U	0.4 U	0.87 J	0.4 U	0.4 U
Cadmium	ug/L	2.9 J	3.2 J	2.1 U	2.2 J	2.1 U	2.1 U	2.1 U	3.8 J	2.1 U	2.1 U
Calcium	ug/L	232000	211000	660000	118000	94600	91700	123000	152000	123000	123000
Chromium	ug/L	2.6 U	16.1	106	2.6 U	4.1 J	2.6 U	2.6 U	28.9	2.6 U	2.6 U
Cobalt	ug/L	4.4 U	14.6 J	94.4	4.4 U	5.3 J	4.4 U	4.4 U	11.1	4.4 U	4.4 U
Copper	ug/L	3.1 U	11.9 J R	123	3.1 U	7.2 J R	3.9 J R	3.1 U	79.2	3.1 U	3.1 U
Iron	ug/L	48.5 J R	14100	113000	207	940	109	1220	27500	1220	1220
Lead	ug/L	0.71 J R	9.5	75.6	0.71 J R	0.68 J R	0.68 J R	1.1 J R	15.7	1.1 J R	1.1 J R
Magnesium	ug/L	57800	77900	73500	26400	15700	15600	27700	31600	27700	27700
Manganese	ug/L	1400	625	4640	4.4 J	23.7	2.9 J	55	384	55	55
Mercury	ug/L	0.04 U	0.08 J R	0.29	0.04 U	0.04 U	0.04 U	0.04 U	1.8	0.04 U	0.04 U
Nickel	ug/L	10.2 J	30.7 J	209	4.0 U	4.0 U	4.0 U	4.0 U	43.9	4.0 U	4.0 U
Potassium	ug/L	9660	18700	13900	910 U	1050 J	904 U	907 U	6540	907 U	907 U
Selenium	ug/L	2.5 J	1.9 J	0.7 U	0.89 J	0.7 U	0.7 U	1.5 J	1.9 J	1.5 J	1.5 J
Silver	ug/L	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U	4.6 J	4.2 U	4.2 U
Sodium	ug/L	40000	18000	17300	10000	13100	3400 J R	16100	15800	16100	16100
Thallium	ug/L	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Vanadium	ug/L	31.6 R	81.1	321	15.3 J R	23	3.7 U	29.7 J	29.7 J	29.7 J	29.7 J
Zinc	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	164	5 U	5 U
Cyanide	ug/L	0.41	0.12	0.02	1.23	0.06	0.15	0.13	0.13	0.13	0.13
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/L	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total Petroleum Hydrocarbons	mg/L	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoride	mg/L	7.51	7.5	7.5	7.5	7.49	7.53	7.54	7.43	7.54	7.54
pH	standard units	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Specific Conductance	umhos/cm	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Turbidity	NTU	0.4	368	9860	9.4	4.4	3.4	465	193	465	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	UNITS
VOLATILE ORGANICS									
Chloromethane	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane (total)	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
Bromolorm	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
4-Hexanone	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
2-Methyl-2-Pentanone	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
MTBE	ug/L	NS			NS	NS	NS	NS	NS
HERBICIDES									
2,4-D	ug/L	1.2 U			1.2 U	1.2 U	1.1 U	1.1 U	1.1 U
2,4-DB	ug/L	1.2 U			1.2 U	1.2 U	1.1 U	1.1 U	1.1 U
2,4,5-T	ug/L	0.12 U			0.12 U	0.12 U	0.11 U	0.11 U	0.11 U
2,4,5-TP (SWex)	ug/L	0.12 U			0.12 U	0.12 U	0.11 U	0.11 U	0.11 U
Dalapon	ug/L	2.6 U			2.6 U	2.6 U	2.4 U	2.4 U	2.4 U
Dicamba	ug/L	0.12 U			0.12 U	0.12 U	0.11 U	0.11 U	0.11 U
Dichloroprop	ug/L	1.2 U			1.2 U	1.2 U	1.1 U	1.1 U	1.1 U
Dinoseb	ug/L	0.56 U			0.56 U	0.56 U	0.54 U	0.52 U	0.52 U
MCPA	ug/L	120 U			120 U	120 U	110 U	110 U	110 U
MCPP	ug/L	120 U			120 U	120 U	110 U	110 U	110 U
NITROAROMATICS									
HMX	ug/L	0.13 U			0.45	0.45	0.49	0.49	0.49
RDX	ug/L	0.24 U		2	2	2	0.13 U	0.13 U	0.13 U
1,3,5-Trinitrobenzene	ug/L	0.13 U			0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
1,3-Dinitrobenzene	ug/L	0.13 U			0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Tetryl	ug/L	0.13 U			0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
2,4,6-Trinitrotoluene	ug/L	0.13 U			0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
4-amino-2,6-Dinitrotoluene	ug/L	0.13 U			0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
2-amino-4,6-Dinitrotoluene	ug/L	0.13 U			0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
2,6-Dinitrotoluene	ug/L	0.13 U			0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
2,4-Dinitrotoluene	ug/L	0.13 U			0.13 U	0.13 U	0.13 U	0.13 U	0.13 U

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

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

COMPOUND	MATRIX LOCATION SAMPLE DATE				WATER SEAD-45				WATER SEAD-45				WATER SEAD-45			
	ES ID	LAB ID	UNITS	UNITS	11/01/93	SW45-1	202940	11/01/93	SW45-2	202941	11/01/93	SW45-3	202942	11/01/93	SW45-4	202943
PESTICIDES/PCB																
alpha-BHC			ug/L	0.052 U			0.052 U									0.058 U
beta-BHC			ug/L	0.052 U			0.052 U									0.058 U
delta-BHC			ug/L	0.052 U			0.052 U									0.058 U
gamma-BHC (Lindane)			ug/L	0.052 U			0.052 U									0.058 U
Heptachlor			ug/L	0.052 U			0.052 U									0.058 U
Aldrin			ug/L	0.052 U			0.052 U									0.058 U
Heptachlor epoxide			ug/L	0.052 U			0.052 U									0.058 U
Endosulfan I			ug/L	0.1 U			0.1 U									0.12 U
4,4'-DDE			ug/L	0.1 U			0.1 U									0.12 U
Endrin			ug/L	0.1 U			0.1 U									0.12 U
Endosulfan II			ug/L	0.1 U			0.1 U									0.12 U
4,4'-DDD			ug/L	0.1 U			0.1 U									0.12 U
Endosulfan sulfate			ug/L	0.1 U			0.1 U									0.12 U
4,4'-DDT			ug/L	0.1 U			0.1 U									0.12 U
Methoxychlor			ug/L	0.52 U			0.52 U									0.58 U
Endrin ketone			ug/L	0.1 U			0.1 U									0.12 U
Endrin aldehyde			ug/L	0.1 U			0.1 U									0.12 U
alpha-Chloro-dane			ug/L	0.052 U			0.052 U									0.058 U
gamma-Chloro-dane			ug/L	0.052 U			0.052 U									0.058 U
Toxaphene			ug/L	5.2 U			5.2 U									5.8 U
Aroclor-1016			ug/L	1 U			1 U									1.2 U
Aroclor-1221			ug/L	2.1 U			2.1 U									2.3 U
Aroclor-1232			ug/L	1 U			1 U									1.2 U
Aroclor-1242			ug/L	1 U			1 U									1.2 U
Aroclor-1248			ug/L	1 U			1 U									1.2 U
Aroclor-1254			ug/L	1 U			1 U									1.2 U
Aroclor-1260			ug/L	1 U			1 U									1.2 U
METALS																
Aluminum			ug/L	29000			4370									37500
Antimony			ug/L	52.4 U			52.4 U									52.5 U
Arsenic			ug/L	1.2 U			1.2 U									2.3 U
Barium			ug/L	204			82.5 J									439
Beryllium			ug/L	1.3 J			0.3 U									1.5 J
Cadmium			ug/L	3.3 U			3.3 U									11.2
Calcium			ug/L	194000			38500									105000
Chromium			ug/L	45.4			3.4 J									50.8
Cobalt			ug/L	15.2 J			4.9 U									18.2 J
Copper			ug/L	203			119									612
Iron			ug/L	47700 J			5920 J									60400 J
Lead			ug/L	27.2			10.9									68.7
Magnesium			ug/L	24500			4660 J									19300
Manganese			ug/L	841			56.7									1250
Mercury			ug/L	0.32			0.5									3
Nickel			ug/L	72.7			8.1 J									74.2
Potassium			ug/L	6650			5020									9670
Selenium			ug/L	5.5 U			1.1 U									5.5 U
Silver			ug/L	6.7 UJ			6.6 UJ									6.7 UJ
Sodium			ug/L	2810 J			899 J									4340 J
Thallium			ug/L	1.2 U			1.2 U									1.2 U
Vanadium			ug/L	45.9 J			6.1 J									54.9
Zinc			ug/L	226			98.9									683
Cyanide			ug/L	8.3 U			8.3 U									47.7
OTHER ANALYSES																
Nitrate/Nitrite - Nitrogen			mg/L	0.01			0.03									0.04
Total Petroleum Hydrocarbons			mg/L	NS			NS									NS
Fluoride			mg/L	NS			NS									NS
pH			standard units	8.26			8.14									6.75
Specific Conductance			umhos/cm	40			110									175
Turbidity			NTU	NS			NS									NS

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

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID	SOIL SEAD-45 0-0.5 11/01/93 SD45-1 202996	SOIL SEAD-45 0-0.5 11/01/93 SD45-2 202997	SOIL SEAD-45 0-0.5 11/01/93 SD45-3 202998	SOIL SEAD-45 0-0.5 11/01/93 SD45-4 202999
VOLATILE ORGANICS				
Chloromethane	13 U	14 U	15 U	13 U
Bromomethane	13 U	14 U	15 U	13 U
Vinyl Chloride	13 U	14 U	15 U	13 U
Chloroethane	13 U	14 U	15 U	13 U
Methylene Chloride	13 U	14 U	15 U	13 U
Acetone	13 U	14 U	15 U	13 U
Carbon Disulfide	13 U	14 U	15 U	13 U
1,1-Dichloroethane	13 U	14 U	15 U	13 U
1,1-Dichloroethane	13 U	14 U	15 U	13 U
1,2-Dichloroethane (total)	13 U	14 U	15 U	13 U
Chloroform	13 U	14 U	15 U	13 U
1,2-Dichloroethane	13 U	14 U	15 U	13 U
2-Butanone	13 U	14 U	15 U	13 U
1,1,1-Trichloroethane	13 U	14 U	15 U	13 U
Carbon Tetrachloride	13 U	14 U	15 U	13 U
Bromodichloromethane	13 U	14 U	15 U	13 U
1,2-Dichloropropane	13 U	14 U	15 U	13 U
cis-1,3-Dichloropropane	13 U	14 U	15 U	13 U
Trichloroethane	13 U	14 U	15 U	13 U
Dibromochloromethane	13 U	14 U	15 U	13 U
1,1,2-Trichloroethane	13 U	14 U	15 U	13 U
Benzene	13 U	14 U	15 U	13 U
trans-1,3-Dichloropropane	13 U	14 U	15 U	13 U
Bromoform	13 U	14 U	15 U	13 U
4-Methyl-2-Pentanone	13 U	14 U	15 U	13 U
2-Hexanone	13 U	14 U	15 U	13 U
Tetrachloroethene	13 U	14 U	15 U	13 U
1,1,2,2-Tetrachloroethane	13 U	14 U	15 U	13 U
Toluene	13 U	14 U	15 U	13 U
Chlorobenzene	13 U	14 U	15 U	13 U
Ethylbenzene	13 U	14 U	15 U	13 U
Styrene	13 U	14 U	15 U	13 U
Xylene (total)	13 U	14 U	15 U	13 U
MTBE	NS	NS	NS	NS
HERBICIDES				
2,4-D	64 U	80 U	76 U	66 U
2,4-DB	64 U	80 U	76 U	66 U
2,4,5-T	6.4 U	8 U	7.6 U	6.8 U
2,4,5-TP (SVex)	6.4 U	8 U	7.6 U	6.8 U
Dalapon	160 U	200 U	190 U	170 U
Dicamba	6.4 U	8 U	7.6 U	6.8 U
Dichloroprop	64 U	80 U	76 U	66 U
Dicoseb	32 U	40 U	38 U	34 U
MCPA	6400 U	8000 U	7600 U	6800 U
MCPP	6400 U	8000 U	7600 U	6800 U
NITROAROMATICS				
HMX	130 U	130 U	130 U	130 U
RDX	130 U	210	130 U	130 U
1,3,5-Trinitrobenzene	130 U	130 U	130 U	130 U
1,3-Dinitrobenzene	130 U	130 U	130 U	130 U
Tetryl	130 U	140 U	130 U	130 U
2,4,6-Trinitrotoluene	130 U	120 U	130 U	130 U
4-amino-2,6-Dinitrotoluene	130 U	130 U	130 U	130 U
2-amino-4,6-Dinitrotoluene	130 U	260	130 U	130 U
2,6-Dinitrotoluene	130 U	130 U	130 U	130 U
2,4-Dinitrotoluene	130 U	83 U	130 U	130 U

NOTES:
NS stands for NOT SAMPLED

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

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-45 0-0.5 11/01/93 SD45-1 202396	SOIL SEAD-45 0-0.5 11/01/93 SD45-2 202397	SOIL SEAD-45 0-0.5 11/01/93 SD45-3 202398	SOIL SEAD-45 0-0.5 11/01/93 SD45-4 202399
SEMIVOLATILE ORGANICS				
Phenol	420 U	530 U	500 U	440 U
bis(2-Chloroethyl) ether	420 U	530 U	500 U	440 U
2-Chlorophenol	420 U	530 U	500 U	440 U
1,3-Dichlorobenzene	420 U	530 U	500 U	440 U
1,4-Dichlorobenzene	420 U	530 U	500 U	440 U
1,2-Dichlorobenzene	420 U	530 U	500 U	440 U
2-Methylphenol	420 U	530 U	500 U	440 U
2,2'-oxybis(1-Chloropropane)	420 U	530 U	500 U	440 U
4-Methylphenol	420 U	530 U	500 U	440 U
N-Nitroso-d-n-propylamine	420 U	530 U	500 U	440 U
Hexachloroethane	420 U	530 U	500 U	440 U
Nitrobenzene	420 U	530 U	500 U	440 U
Isophorone	420 U	530 U	500 U	440 U
2-Nitrophenol	420 U	530 U	500 U	440 U
2,4-Dimethylphenol	420 U	530 U	500 U	440 U
bis(2-Chloroethoxy) methane	420 U	530 U	500 U	440 U
2,4-Dichlorophenol	420 U	530 U	500 U	440 U
1,2,4-Trichlorobenzene	420 U	530 U	500 U	440 U
Naphthalene	420 U	530 U	500 U	24 J
4-Chloroaniline	420 U	530 U	500 U	440 U
Hexachlorobutadiene	420 U	530 U	500 U	440 U
4-Chloro-3-methylphenol	420 U	530 U	500 U	440 U
2-Methylnaphthalene	420 U	530 U	500 U	440 U
Hexachlorocyclopentadiene	420 U	530 U	500 U	440 U
2,4,6-Trichlorophenol	420 U	530 U	500 U	440 U
2,4,5-Trichlorophenol	1000 U	1300 U	1200 U	1100 U
2-Chloronaphthalene	420 U	530 U	500 U	440 U
2-Nitroaniline	1000 U	1300 U	1200 U	1100 U
Dimethylphthalate	420 U	530 U	500 U	440 U
Acenaphthylene	420 U	530 U	500 U	440 U
2,6-Dinitrotoluene	420 U	530 U	500 U	440 U
3-Nitroaniline	1000 U	1300 U	1200 U	1100 U
Acenaphthene	420 U	530 U	500 U	440 U
2,4-Dinitrophenol	1000 U	1300 U	1200 U	1100 U
4-Nitrophenol	1000 U	1300 U	1200 U	1100 U
Dibenzofuran	420 U	530 U	500 U	440 U
2,4-Dinitrotoluene	420 U	530 U	500 U	440 U
Diethylphthalate	420 U	530 U	500 U	440 U
4-Chlorophenyl-phenylether	420 U	530 U	500 U	440 U
Fluorene	420 U	530 U	500 U	440 U
4-Nitroaniline	1000 U	1300 U	1200 U	1100 U
4,6-Dinitro-2-methylphenol	1000 U	1300 U	1200 U	1100 U
N-Nitrosodiphenylamine	420 U	530 U	500 U	440 U
4-Bromophenyl-phenylether	420 U	530 U	500 U	440 U
Hexachlorobenzene	420 U	530 U	500 U	440 U
Pentachlorophenol	1000 U	1300 U	1200 U	1100 U
Phenanthrene	420 U	530 U	500 U	30 J
Antracene	420 U	530 U	500 U	25 J
Carbazole	420 U	530 U	500 U	440 U
Di-n-butylphthalate	420 U	530 U	500 U	440 U
Fluoranthene	420 U	60 J	47 J	31 J
Pyrene	420 U	110 J	59 J	61 J
Butylbenzylphthalate	420 U	530 U	500 U	440 U
3,3-Dichlorobenzidine	420 U	530 U	500 U	440 U
Benzo(a)anthracene	420 U	32 J	23 J	440 U
Chrysene	420 U	50 J	36 J	20 J
bis(2-Ethylhexyl)phthalate	420 U	530 U	500 U	440 U
Di-n-octylphthalate	420 U	530 U	500 U	440 U
Benzo(b)fluoranthene	420 U	37 J	28 J	440 U
Benzo(k)fluoranthene	420 U	28 J	26 J	440 U
Benzo(a)pyrene	420 U	37 J	26 J	440 U
Indeno(1,2,3-cd)pyrene	420 U	500 U	500 U	440 U
Dibenz(a,h)anthracene	420 U	530 U	500 U	440 U
Benzo(g,h,i)perylene	420 U	48 J	500 U	440 U

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

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-45 0-0.5 11/01/93 SD45-1 202986	SOIL SEAD-45 0-0.5 11/01/93 SD45-2 202987	SOIL SEAD-45 0-0.5 11/01/93 SD45-3 202988	SOIL SEAD-45 0-0.5 11/01/93 SD45-4 202989
	ES ID LAB ID 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	2.3 U
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 U	2.6 U	2.3 U
Dieldrin	ug/Kg	2.2 U	2.7 U	2.6 U	2.3 U
4,4'-DDE	ug/Kg	4.2 U	5.3 U	5 U	7.4 J
Endosulfan II	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
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	2.2 U	2.7 U	2.6 U	2.3 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	4.5 U
alpha-Chlordane	ug/Kg	2.2 U	2.7 U	2.6 U	2.3 U
gamma-Chlordane	ug/Kg	2.2 U	2.7 U	2.6 U	2.3 U
Toxaphene	ug/Kg	2.2 U	2.7 U	2.6 U	2.3 U
Aroclor-1016	ug/Kg	4.2 U	5.3 U	5 U	4.5 U
Aroclor-1221	ug/Kg	8.2 U	11.0 U	10.0 U	9.1 U
Aroclor-1232	ug/Kg	4.2 U	5.3 U	5 U	4.5 U
Aroclor-1242	ug/Kg	4.2 U	5.3 U	5 U	4.5 U
Aroclor-1248	ug/Kg	4.2 U	5.3 U	5 U	4.5 U
Aroclor-1254	ug/Kg	4.2 U	7.4	5.0 U	4.5 U
Aroclor-1260	ug/Kg	4.2 U	5.3 U	5.0 U	4.5 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	1.4	5.6	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	81.4	32.3	24.1
Iron	mg/Kg	25600	50500	32600	33200
Lead	mg/Kg	19.8	101	52.8	72.9
Magnesium	mg/Kg	9720	10200	7630	7510
Manganese	mg/Kg	458	692	616	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	146 J	130 J
Thallium	mg/Kg	0.21 U	0.38 U	0.26 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) 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
VOLATILE ORGANICS										
Chloromethane	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Bromomethane	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Vinyl Chloride	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Chloroethane	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Methylene Chloride	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Acetone	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Carbon Disulfide	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
1,1-Dichloroethane	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
1,1-Dichloroethane (total)	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
1,2-Dichloroethane	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Chloroform	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
1,2-Dichloroethane	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
2-Butanone	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
1,1,1-Trichloroethane	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Carbon Tetrachloride	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Bromodichloromethane	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
1,2-Dichloropropane	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
cis-1,3-Dichloropropene	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Trichloroethene	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Dibromochloromethane	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
1,1,2-Trichloroethane	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Benzene	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
trans-1,3-Dichloropropene	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Bromolorm	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
4-Methyl-2-Pentanone	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
1,1,2,2-Tetrachloroethane	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Tetrachloroethene	2 J	14 U	2 J	13 U	2 J	13 U	2 J	13 U	14 U	15 U
1,1,2,2-Tetrachloroethane	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Toluene	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Chlorobenzene	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Ethylbenzene	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Styrene	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
Xylene (total)	13 U	14 U	12 U	13 U	12 U	13 U	12 U	13 U	14 U	15 U
MTBE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES										
2,4-D	65 U	NS	63 U	NS	64 U	NS	66 U	NS	72 U	NS
2,4-DB	65 U	NS	63 U	NS	64 U	NS	66 U	NS	72 U	NS
2,4,5-T	65 U	NS	63 U	NS	64 U	NS	66 U	NS	72 U	NS
2,4,5-TP (Silvex)	160 U	NS	150 U	NS	160 U	NS	160 U	NS	180 U	NS
Dialapon	65 U	NS	63 U	NS	64 U	NS	66 U	NS	72 U	NS
Dicamba	65 U	NS	63 U	NS	64 U	NS	66 U	NS	72 U	NS
Dichloroprop	33 U	NS	32 U	NS	32 U	NS	33 U	NS	36 U	NS
Dinoseb	6500 U	NS	6300 U	NS	6400 U	NS	6600 U	NS	7200 U	NS
MCPA	6500 U	NS	6300 U	NS	6400 U	NS	6600 U	NS	7200 U	NS
MCPP	6500 U	NS	6300 U	NS	6400 U	NS	6600 U	NS	7200 U	NS
NITROAROMATICS										
HMX	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
FDX	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
1,3,5-Trinitrobenzene	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
1,3-Dinitrobenzene	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
Tetryl	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
2,4,6-Trinitrochloruene	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
4-amino-2,6-Dinitrochloruene	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
2-amino-4,6-Dinitrochloruene	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
2,6-Dinitrochloruene	130 U	NS	130 U	NS	130 U	NS	130 U	NS	130 U	NS
2,4-Dinitrochloruene	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

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 SS57-2 206412	SOIL SEAD-57 0-0.2 10/26/93 SS57-2 202563	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	420 U	NS	410 U	NS	430 U	NS	470 U	NS
bis(2-Chloroethyl) ether	420 U	NS	410 U	NS	430 U	NS	470 U	NS
2-Chlorophenol	420 U	NS	410 U	NS	430 U	NS	470 U	NS
1,3-Dichlorobenzene	420 U	NS	410 U	NS	430 U	NS	470 U	NS
1,4-Dichlorobenzene	420 U	NS	410 U	NS	430 U	NS	470 U	NS
1,2-Dichlorobenzene	420 U	NS	410 U	NS	430 U	NS	470 U	NS
2-Methylphenol	420 U	NS	410 U	NS	430 U	NS	470 U	NS
2,2'-oxybis(1-Chloropropane)	420 U	NS	410 U	NS	430 U	NS	470 U	NS
4-Methylphenol	420 U	NS	410 U	NS	430 U	NS	470 U	NS
N-Nitroso-di-n-propylamine	420 U	NS	410 U	NS	430 U	NS	470 U	NS
Hexachloroethane	420 U	NS	410 U	NS	430 U	NS	470 U	NS
Nitrobenzene	420 U	NS	410 U	NS	430 U	NS	470 U	NS
Isophorone	420 U	NS	410 U	NS	430 U	NS	470 U	NS
2-Nitrophenol	420 U	NS	410 U	NS	430 U	NS	470 U	NS
2,4-Dimethylphenol	420 U	NS	410 U	NS	430 U	NS	470 U	NS
bis(2-Chloroethoxy) methane	420 U	NS	410 U	NS	430 U	NS	470 U	NS
2,4-Dichlorophenol	420 U	NS	410 U	NS	430 U	NS	470 U	NS
1,2,4-Trichlorobenzene	420 U	NS	410 U	NS	430 U	NS	470 U	NS
Naphthalene	420 U	NS	410 U	NS	430 U	NS	470 U	NS
4-Chloroaniline	420 U	NS	410 U	NS	430 U	NS	470 U	NS
Hexachlorobutadiene	420 U	NS	410 U	NS	430 U	NS	470 U	NS
4-Chloro-3-methylphenol	420 U	NS	410 U	NS	430 U	NS	470 U	NS
2-Methylnaphthalene	420 U	NS	410 U	NS	430 U	NS	470 U	NS
Hexachlorocyclopentadiene	420 U	NS	410 U	NS	430 U	NS	470 U	NS
2,4,6-Trichlorophenol	420 U	NS	410 U	NS	430 U	NS	470 U	NS
2,4,5-Trichlorophenol	1000 U	NS	980 U	NS	1000 U	NS	1100 U	NS
2-Chloronaphthalene	420 U	NS	410 U	NS	430 U	NS	470 U	NS
2-Nitroaniline	1000 U	NS	990 U	NS	1000 U	NS	1100 U	NS
Dimethylphthalate	420 U	NS	410 U	NS	430 U	NS	470 U	NS
Acenaphthylene	420 U	NS	410 U	NS	430 U	NS	470 U	NS
2,6-Dinitrotoluene	420 U	NS	410 U	NS	430 U	NS	470 U	NS
3-Nitroaniline	1000 U	NS	990 U	NS	1000 U	NS	1100 U	NS
Acenaphthene	420 U	NS	410 U	NS	430 U	NS	470 U	NS
2,4-Dinitrophenol	1000 U	NS	990 U	NS	1000 U	NS	1100 U	NS
4-Nitrophenol	1000 U	NS	990 U	NS	1000 U	NS	1100 U	NS
Dibenzofuran	420 U	NS	410 U	NS	430 U	NS	470 U	NS
2,4-Dinitrotoluene	420 U	NS	410 U	NS	430 U	NS	470 U	NS
Diethylphthalate	420 U	NS	410 U	NS	430 U	NS	470 U	NS
4-Chlorophenyl-phenylether	420 U	NS	410 U	NS	430 U	NS	470 U	NS
Fluorene	420 U	NS	410 U	NS	430 U	NS	470 U	NS
4-Nitroaniline	1000 U	NS	990 U	NS	1000 U	NS	1100 U	NS
4,6-Dinitro-2-methylphenol	1000 U	NS	990 U	NS	1000 U	NS	1100 U	NS
N-Nitrosodiphenylamine	420 U	NS	410 U	NS	430 U	NS	470 U	NS
4-Bromophenyl-phenylether	420 U	NS	410 U	NS	430 U	NS	470 U	NS
Hexachlorobenzene	420 U	NS	410 U	NS	430 U	NS	470 U	NS
Pentachlorophenol	420 U	NS	410 U	NS	430 U	NS	470 U	NS
Phenanthrene	1000 U	NS	990 U	NS	1000 U	NS	1100 U	NS
Anthracene	420 U	NS	410 U	NS	430 U	NS	470 U	NS
Carbazole	420 U	NS	410 U	NS	430 U	NS	470 U	NS
Di-n-butylphthalate	420 U	NS	410 U	NS	430 U	NS	470 U	NS
Fluoranthene	420 U	NS	410 U	NS	430 U	NS	470 U	NS
Pyrene	420 U	NS	410 U	NS	430 U	NS	470 U	NS
Butybenzylphthalate	420 U	NS	410 U	NS	430 U	NS	470 U	NS
3,3'-Dichlorobenzidine	420 U	NS	410 U	NS	430 U	NS	470 U	NS
Benzo(a)anthracene	420 U	NS	410 U	NS	430 U	NS	470 U	NS
Chrysene	420 U	NS	410 U	NS	430 U	NS	470 U	NS
bis(2-Ethylhexyl)phthalate	480 U	NS	470 U	NS	470 U	NS	470 U	NS
Di-n-octylphthalate	420 U	NS	410 U	NS	430 U	NS	470 U	NS
Benzo(b)fluoranthene	420 U	NS	410 U	NS	430 U	NS	470 U	NS
Benzo(k)fluoranthene	420 U	NS	410 U	NS	430 U	NS	470 U	NS
Benzo(a)pyrene	420 U	NS	410 U	NS	430 U	NS	470 U	NS
Indeno(1,2,3-cd)pyrene	420 U	NS	410 U	NS	430 U	NS	470 U	NS
Dibenz(a,h)anthracene	420 U	NS	410 U	NS	430 U	NS	470 U	NS
Benzo(g,h,i)perylene	420 U	NS	410 U	NS	430 U	NS	470 U	NS

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

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	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
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2.2 U	NS	2.2 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
Endosulfan II	ug/Kg	2.2 U	NS	2.1 U	NS	2.2 U	NS	2.2 U	NS	2.4 U	NS
4,4'-DDE	ug/Kg	2.2 U	NS	2.1 U	NS	2.2 U	NS	2.2 U	NS	2.4 U	NS
Endrin	ug/Kg	2.2 U	NS	2.1 U	NS	2.2 U	NS	2.2 U	NS	2.4 U	NS
Endosulfan II	ug/Kg	2.2 U	NS	2.1 U	NS	2.2 U	NS	2.2 U	NS	2.4 U	NS
4,4'-DDD	ug/Kg	2.2 U	NS	2.1 U	NS	2.2 U	NS	2.2 U	NS	2.4 U	NS
Endosulfan sulfate	ug/Kg	2.2 U	NS	2.1 U	NS	2.2 U	NS	2.2 U	NS	2.4 U	NS
4,4'-DDT	ug/Kg	2.2 U	NS	2.1 U	NS	2.2 U	NS	2.2 U	NS	2.4 U	NS
Methoxychlor	ug/Kg	2.2 U	NS	2.1 U	NS	2.2 U	NS	2.2 U	NS	2.4 U	NS
Endrin ketone	ug/Kg	2.2 U	NS	2.1 U	NS	2.2 U	NS	2.2 U	NS	2.4 U	NS
Endrin aldehyde	ug/Kg	2.2 U	NS	2.1 U	NS	2.2 U	NS	2.2 U	NS	2.4 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	2.2 U	NS	2.1 U	NS	2.2 U	NS	2.2 U	NS	2.4 U	NS
Aroclor-1016	ug/Kg	2.2 U	NS	2.1 U	NS	2.2 U	NS	2.2 U	NS	2.4 U	NS
Aroclor-1221	ug/Kg	2.2 U	NS	2.1 U	NS	2.2 U	NS	2.2 U	NS	2.4 U	NS
Aroclor-1223	ug/Kg	2.2 U	NS	2.1 U	NS	2.2 U	NS	2.2 U	NS	2.4 U	NS
Aroclor-1242	ug/Kg	2.2 U	NS	2.1 U	NS	2.2 U	NS	2.2 U	NS	2.4 U	NS
Aroclor-1248	ug/Kg	2.2 U	NS	2.1 U	NS	2.2 U	NS	2.2 U	NS	2.4 U	NS
Aroclor-1254	ug/Kg	2.2 U	NS	2.1 U	NS	2.2 U	NS	2.2 U	NS	2.4 U	NS
Aroclor-1260	ug/Kg	2.2 U	NS	2.1 U	NS	2.2 U	NS	2.2 U	NS	2.4 U	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	NS	4.6	NS	5	NS	4.2	NS	3.9	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	4560	NS	4510	NS	4640	NS	3220	NS
Manganese	mg/Kg	592	NS	319	NS	418	NS	628	NS	297	NS
Mercury	mg/Kg	0.05 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	0.26 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	0.98 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	0.24 U	NS	0.24 U	NS	0.28 U	NS	0.34 U	NS
Vanadium	mg/Kg	24.6	NS	28.6	NS	29.4	NS	26.1	NS	24.5	NS
Zinc	mg/Kg	45.2	NS	70.6	NS	88	NS	82.6	NS	81.5	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

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	ES ID	LAB ID	UNITS	SOIL SEAD-57 0-0.2	SOIL SEAD-57 10/26/93	SOIL SEAD-57 12/08/93	SOIL SEAD-57 10/26/93	SOIL SEAD-57 12/08/93	SOIL SEAD-57 10/26/93	SOIL SEAD-57 12/08/93	SOIL SEAD-57 10/26/93	SOIL SEAD-57 12/08/93	SOIL SEAD-57 10/26/93	SOIL SEAD-57 12/08/93	SOIL SEAD-57 10/26/93	SOIL SEAD-57 12/08/93
VOLATILE ORGANICS																
Chloromethane	ug/Kg			11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Bromomethane	ug/Kg			11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Vinyl Chloride	ug/Kg			11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Chloroethane	ug/Kg			11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Methylene Chloride	ug/Kg			11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Acetone	ug/Kg			11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Carbon Disulfide	ug/Kg			11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
1,1-Dichloroethane	ug/Kg			11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
1,1-Dichloroethane	ug/Kg			11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
1,2-Dichloroethane (total)	ug/Kg			11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Chloroform	ug/Kg			11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
1,2-Dichloroethane	ug/Kg			11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
2-Butanone	ug/Kg			11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
1,1,1-Trichloroethane	ug/Kg			11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Carbon Tetrachloride	ug/Kg			11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Bromodichloromethane	ug/Kg			11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
1,2-Dichloropropane	ug/Kg			11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
cis-1,3-Dichloropropane	ug/Kg			11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Trichloroethene	ug/Kg			11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Dibromochloromethane	ug/Kg			11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
1,1,2-Trichloroethane	ug/Kg			11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Benzene	ug/Kg			11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
trans-1,3-Dichloropropene	ug/Kg			11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Bromoform	ug/Kg			11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
4-Methyl-2-Pentanone	ug/Kg			11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
2-Hexanone	ug/Kg			11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Tetrachloroethene	ug/Kg			11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
1,1,2,2-Tetrachloroethane	ug/Kg			11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Toluene	ug/Kg			11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Chlorobenzene	ug/Kg			11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Ethylbenzene	ug/Kg			11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Styrene	ug/Kg			11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Xylene (total)	ug/Kg			11 U	11 U	11 U	11 U	11 U	11 U	11 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	NS	NS
HERBICIDES																
2,4-D	ug/Kg			55 U	55 U	55 U	55 U	55 U	55 U	55 U	55 U	55 U	55 U	55 U	55 U	55 U
2,4-DB	ug/Kg			65 U	65 U	65 U	65 U	65 U	65 U	65 U	65 U	65 U	65 U	65 U	65 U	65 U
2,4,5-T	ug/Kg			6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U
2,4,5-TP (Silvex)	ug/Kg			160 U	160 U	160 U	160 U	160 U	160 U	160 U	160 U	160 U	160 U	160 U	160 U	160 U
Dalapon	ug/Kg			6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U	6.5 U
Dicamba	ug/Kg			65 U	65 U	65 U	65 U	65 U	65 U	65 U	65 U	65 U	65 U	65 U	65 U	65 U
Dinoseb	ug/Kg			33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U	33 U
MCPA	ug/Kg			6500 U	6500 U	6500 U	6500 U	6500 U	6500 U	6500 U	6500 U	6500 U	6500 U	6500 U	6500 U	6500 U
MCPP	ug/Kg			6500 U	6500 U	6500 U	6500 U	6500 U	6500 U	6500 U	6500 U	6500 U	6500 U	6500 U	6500 U	6500 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	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	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	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	130 U	130 U	130 U
Tetryl	ug/Kg			130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	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	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	130 U	130 U	130 U
2-amino-4,6-Dinitrotoluene	ug/Kg			130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	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	130 U	130 U	130 U
2,4-Dinitrotoluene	ug/Kg			130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U

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

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-57 0-0.2 10/26/93 SS57-6 202567	SOIL SEAD-57 0-0.2 10/26/93 SS57-7 202568	SOIL SEAD-57 0-0.2 10/26/93 SS57-8 202569	SOIL SEAD-57 0-0.2 10/26/93 SS57-9 202570	SOIL SEAD-57 0-0.2 12/08/93 SS57-8 206420	SOIL SEAD-57 0-0.2 12/08/93 SS57-9 206421	SOIL SEAD-57 0-0.2 12/08/93 SS57-9RE 206421	NS
SEMIVOLATILE ORGANICS									
Phenol	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
bis(2-Chloroethyl) ether	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
2-Chlorophenol	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
1,3-Dichlorobenzene	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
1,4-Dichlorobenzene	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
2-Dichlorobenzene	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
2-Methylphenol	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
2,2'-oxybis(1-Chloropropane)	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
4-Methylphenol	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
N-Nitroso-di-n-propylamine	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
Hexachloroethane	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
Nitrobenzene	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
Isophorone	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
2-Nitrophenol	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
2,4-Dimethylphenol	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
bis(2-Chloroethoxy) methane	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
2,4-Dichlorophenol	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
1,2,4-Trichlorobenzene	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
Naphthalene	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
4-Chloroaniline	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
Hexachlorobutadiene	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
4-Chloro-3-methylphenol	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
2-Methylnaphthalene	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
Hexachlorocyclopentadiene	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
2,4,6-Trichlorophenol	ug/Kg	1000 U	880 U	880 U	880 U	870 U	870 U	880 U	NS
2,4,5-Trichlorophenol	ug/Kg	1000 U	880 U	880 U	880 U	870 U	870 U	880 U	NS
2-Chloronaphthalene	ug/Kg	1000 U	880 U	880 U	880 U	870 U	870 U	880 U	NS
2-Nitroaniline	ug/Kg	1000 U	880 U	880 U	880 U	870 U	870 U	880 U	NS
Dimethylphthalate	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
Acenaphthylene	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
2,6-Dinitrotoluene	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
3-Nitroaniline	ug/Kg	1000 U	880 U	880 U	880 U	870 U	870 U	880 U	NS
Acenaphthene	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
2,4-Dinitrophenol	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
4-Nitrophenol	ug/Kg	1000 U	880 U	880 U	880 U	870 U	870 U	880 U	NS
Dibenzofuran	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
2,4-Dinitrotoluene	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
Diethylphthalate	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
Fluorene	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
4-Nitroaniline	ug/Kg	1000 U	880 U	880 U	880 U	870 U	870 U	880 U	NS
4,6-Dinitro-2-methylphenol	ug/Kg	1000 U	880 U	880 U	880 U	870 U	870 U	880 U	NS
N-Nitrosodiphenylamine	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
4-Bromophenyl-phenylether	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
Hexachlorobenzene	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
Pentachlorophenol	ug/Kg	1000 U	880 U	880 U	880 U	870 U	870 U	880 U	NS
Phenanthrene	ug/Kg	20 J	360 U	360 U	360 U	360 U	360 U	36 J	NS
Anthracene	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
Carbazole	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
Di-n-butylphthalate	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	360 U	NS
Fluoranthene	ug/Kg	29 J	360 U	360 U	360 U	360 U	360 U	35 J	NS
Pyrene	ug/Kg	29 J	360 U	360 U	360 U	360 U	360 U	56 J	NS
Butybenzylphthalate	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	49 J	NS
3,3'-Dichlorobenzidine	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	350 U	NS
Benzo(a)anthracene	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	350 U	NS
Chrysene	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	24 J	NS
bis(2-Ethylhexyl)phthalate	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	42 J	NS
Di-n-octylphthalate	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	350 U	NS
Benzo(b)fluoranthene	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	25 J	NS
Benzo(k)fluoranthene	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	20 J	NS
Benzo(a)pyrene	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	20 J	NS
Indeno(1,2,3-cd)pyrene	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	350 U	NS
Dibenz(a,h)anthracene	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	350 U	NS
Benzo(g,h,i)perylene	ug/Kg	420 U	360 U	360 U	360 U	360 U	360 U	350 U	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 12/06/93 SS57-6 202567	SOIL SEAD-57 0-0.2 10/26/93 SS57-7 202568	SOIL SEAD-57 0-0.2 12/06/93 SS57-8 202569	SOIL SEAD-57 0-0.2 10/26/93 SS57-9 202570	SOIL SEAD-57 0-0.2 12/06/93 SS57-8 206420	SOIL SEAD-57 0-0.2 10/26/93 SS57-9 206421	SOIL SEAD-57 0-0.2 12/06/93 SS57-9RE 206421
PESTICIDES/PCB								
alpha-BHC	ug/Kg	2.2 U	1.9 U	1.8 U	1.8 U	NS	NS	NS
beta-BHC	ug/Kg	2.2 U	1.9 U	1.8 U	1.8 U	NS	NS	NS
delta-BHC	ug/Kg	2.2 U	1.9 U	1.8 U	1.8 U	NS	NS	NS
gamma-BHC (Lindane)	ug/Kg	2.2 U	1.9 U	1.8 U	1.8 U	NS	NS	NS
Heptachlor	ug/Kg	2.2 U	1.9 U	1.8 U	1.8 U	NS	NS	NS
Aldrin	ug/Kg	2.2 U	1.9 U	1.8 U	1.8 U	NS	NS	NS
Heptachlor epoxide	ug/Kg	2.2 U	1.9 U	1.8 U	1.8 U	NS	NS	NS
Endosulfan I	ug/Kg	2.2 U	1.9 U	1.8 U	1.8 U	NS	NS	NS
Dieldrin	ug/Kg	4.3 U	2.7 J	3.6 U	3.5 U	NS	NS	NS
4,4'-DDE	ug/Kg	2.5 J	4.7 J	3.2	4.5 J	NS	NS	NS
Endrin	ug/Kg	4.3 U	3.6 U	3.6 U	3.5 U	NS	NS	NS
Endosulfan II	ug/Kg	4.3 U	3.6 U	3.6 U	3.5 U	NS	NS	NS
4,4'-DDD	ug/Kg	4.3 U	3.6 U	3.6 U	3.5 U	NS	NS	NS
Endosulfan sulfate	ug/Kg	4.3 U	3.6 U	3.6 U	3.5 U	NS	NS	NS
4,4'-DDT	ug/Kg	4.3 U	3.6 U	4.9	3.5 U	NS	NS	NS
Methoxychlor	ug/Kg	2.2 U	1.9 U	1.8 U	1.8 U	NS	NS	NS
Endrin ketone	ug/Kg	4.3 U	3.6 U	3.6 U	3.5 U	NS	NS	NS
Endrin aldehyde	ug/Kg	4.3 U	3.6 U	3.6 U	3.5 U	NS	NS	NS
alpha-Chlordane	ug/Kg	2.2 U	1.9 U	1.8 U	1.8 U	NS	NS	NS
gamma-Chlordane	ug/Kg	2.2 U	1.9 U	1.8 U	1.8 U	NS	NS	NS
Toxaphene	ug/Kg	220 U	180 U	180 U	180 U	NS	NS	NS
Aroclor-1016	ug/Kg	43 U	36 U	36 U	35 U	NS	NS	NS
Aroclor-1221	ug/Kg	87 U	73 U	73 U	72 U	NS	NS	NS
Aroclor-1232	ug/Kg	43 U	36 U	36 U	35 U	NS	NS	NS
Aroclor-1242	ug/Kg	43 U	36 U	36 U	35 U	NS	NS	NS
Aroclor-1248	ug/Kg	43 U	36 U	36 U	35 U	NS	NS	NS
Aroclor-1254	ug/Kg	43 U	36 U	36 U	35 U	NS	NS	NS
Aroclor-1260	ug/Kg	43 U	36 U	36 U	35 U	NS	NS	NS
METALS								
Aluminum	mg/Kg	13500	12600	3940	10300	NS	NS	NS
Antimony	mg/Kg	12.1 UJ	10.1 UJ	10.1 UJ	10.7 UJ	NS	NS	NS
Arsenic	mg/Kg	4.2	4	4	5.6	NS	NS	NS
Barium	mg/Kg	83.7	64.2	25.5 J	56.5	NS	NS	NS
Beryllium	mg/Kg	0.64 J	0.61 J	0.33 J	0.59 J	NS	NS	NS
Cadmium	mg/Kg	0.76 U	0.63 U	0.63 U	0.67 U	NS	NS	NS
Calcium	mg/Kg	2790	243000	213000	104000	NS	NS	NS
Chromium	mg/Kg	18.9	24.3	7.4	20.7	NS	NS	NS
Cobalt	mg/Kg	9.3 J	13.2	7.8 J	10.6	NS	NS	NS
Copper	mg/Kg	17.4	33.4	12	47	NS	NS	NS
Iron	mg/Kg	21700	28400	7540	23000	NS	NS	NS
Lead	mg/Kg	30.2	18.4	9.5	42.4	NS	NS	NS
Magnesium	mg/Kg	3230	6660	11600	9650	NS	NS	NS
Manganese	mg/Kg	464	347	401	356	NS	NS	NS
Mercury	mg/Kg	0.07 J	0.02 J	0.04 U	0.04 J	NS	NS	NS
Nickel	mg/Kg	19.8	46	17.2	38.7	NS	NS	NS
Potassium	mg/Kg	1650	1210	1570	1570	NS	NS	NS
Selenium	mg/Kg	0.31 J	0.2 UJ	0.2 UJ	0.37 J	NS	NS	NS
Silver	mg/Kg	1.5 UJ	0.18 UJ	1.3 UJ	1.4 UJ	NS	NS	NS
Sodium	mg/Kg	46.3 J	119 J	214 J	188 J	NS	NS	NS
Thallium	mg/Kg	0.17 U	0.2 U	2.2 U	0.23 U	NS	NS	NS
Vanadium	mg/Kg	26.2	19	11.2	18.8	NS	NS	NS
Zinc	mg/Kg	64	53.4	42.1	266	NS	NS	NS
Cyanide	mg/Kg	0.78 U	0.64 U	0.62 U	0.61 U	NS	NS	NS
OTHER ANALYSES								
Nitrate/Nitrite - Nitrogen	mg/Kg	0.29	0.09	0.11	0.13	NS	NS	NS
Total Solids	%W/W	77.1	91	91.6	93.1	NS	NS	NS
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-57 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	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	SOIL SEAD-57	SOIL SEAD-57
ES ID	TP57-3	TP57-3	TP57-3	TP57-3	TP57-3	TP57-3	TP57-3	TP57-3	TP57-3	TP57-3	TP57-3	TP57-3
LAB ID	204008	204008	204008	204008	204008	204008	204008	204008	204008	204008	204008	204008
UNITS	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
VOLATILE ORGANICS												
Chloromethane	13 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Bromomethane	13 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Vinyl Chloride	13 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Chloroethane	13 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Methylene Chloride	13 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Acetone	13 U	20	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Carbon Disulfide	13 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
1,1-Dichloroethane	13 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
1,1-Dichloroethane	13 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
1,2-Dichloroethane (total)	13 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Chloroform	13 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
1,2-Dichloroethane	13 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
2-Butanone	13 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
1,1,1-Trichloroethane	13 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Carbon Tetrachloride	13 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Bromodichloromethane	13 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
1,2-Dichloropropane	13 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
cis-1,3-Dichloropropene	13 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Trichloroethene	13 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Dibromochloromethane	13 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
1,1,2-Trichloroethane	13 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Benzene	13 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
trans-1,3-Dichloropropene	13 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Bromoforn	13 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
4-Methyl-2-Pentanone	13 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
1,2-Dichloroethane	13 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Tetrachloroethene	13 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
1,1,2,2-Tetrachloroethane	13 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Toluene	13 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Chlorobenzene	13 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Ethylbenzene	13 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Styrene	13 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
Xylene (total)	13 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
MTBE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
HERBICIDES												
2,4-D	55 U	62 U	62 U	62 U	62 U	62 U	62 U	62 U	62 U	62 U	62 U	62 U
2,4-DB	55 U	62 U	62 U	62 U	62 U	62 U	62 U	62 U	62 U	62 U	62 U	62 U
2,4,5-T	5.5 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U
2,4,5-TP (Silvex)	5.5 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U
Dalapon	140 U	150 U	150 U	150 U	150 U	150 U	150 U	150 U	150 U	150 U	150 U	150 U
Dicamba	5.5 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U
Dichloroprop	55 U	62 U	62 U	62 U	62 U	62 U	62 U	62 U	62 U	62 U	62 U	62 U
Dinoseb	28 U	31 U	31 U	31 U	31 U	31 U	31 U	31 U	31 U	31 U	31 U	31 U
MCPA	5500 U	6200 U	6200 U	6200 U	6200 U	6200 U	6200 U	6200 U	6200 U	6200 U	6200 U	6200 U
MCPP	5500 U	6200 U	6200 U	6200 U	6200 U	6200 U	6200 U	6200 U	6200 U	6200 U	6200 U	6200 U
NITROAROMATICS												
HMX	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
RDX	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
1,3,5-Trinitrobenzene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
1,3-Dinitrobenzene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
Tetryl	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,4,6-Trinitrotoluene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
4-amino-2,6-Dinitrotoluene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,6-Dinitrotoluene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2,4-Dinitrotoluene	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U	130 U

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

MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	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
ES ID	11/09/93	11/09/93	12/02/93	11/09/93	12/02/93	12/02/93	12/02/93	12/02/93	12/02/93
LAB ID	TP57-1	TP57-3	TP57-2	TP57-4	TP57-5	TP57-6	TP57-7	TP57-8	TP57-8
UNITS	203827	204008	206070	204011	206071	206072	206073	206074	206074
SEMIVOLATILE ORGANICS									
Phenol	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
bis(2-Chloroethyl) ether	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
2-Chlorophenol	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
1,3-Dichlorobenzene	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
1,4-Dichlorobenzene	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
1,2-Dichlorobenzene	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
2-Methylphenol	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
2,2'-oxybis(1-Chloropropane)	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
4-Methylphenol	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
N-Nitroso-d-n-propylamine	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
Hexachloroethane	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
Nitrobenzene	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
Isophorone	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
2-Nitrophenol	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
2,4-Dimethylphenol	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
bis(2-Chloroethoxy) methane	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
2,4-Dichlorophenol	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
1,2,4-Trichlorobenzene	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
Naphthalene	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
4-Chloroaniline	360 U	370 U	180 J	NS	410 U	430 U	390 U	380 U	390 U
Hexachlorobutadiene	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
4-Chloro-3-methylphenol	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
2-Methylnaphthalene	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
Hexachlorocyclopentadiene	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
2,4,6-Trichlorophenol	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
2,4,5-Trichlorophenol	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
2-Chloronaphthalene	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
2-Nitroaniline	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
Dimethylphthalate	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
Acenaphthylene	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
2,6-Dinitrotoluene	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
3-Nitroaniline	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
Acenaphthene	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
2,4-Dinitrophenol	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
4-Nitrophenol	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
Dibenzofuran	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
2,4-Dinitrotoluene	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
Diethylphthalate	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
4-Chlorophenyl-phenyl ether	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
Fluorene	360 U	370 U	120 J	NS	410 U	430 U	390 U	380 U	390 U
4-Nitroaniline	360 U	370 U	4900 U	NS	410 U	430 U	390 U	380 U	390 U
4,6-Dinitro-2-methylphenol	360 U	370 U	4900 U	NS	410 U	430 U	390 U	380 U	390 U
N-Nitrosodiphenylamine	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
4-Bromophenyl-phenyl ether	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
Hexachlorobenzene	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
Pentachlorophenol	360 U	370 U	4900 U	NS	410 U	430 U	390 U	380 U	390 U
Phenanthrene	360 U	370 U	230 J	NS	410 U	430 U	390 U	380 U	390 U
Anthracene	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
Carbazole	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
Di-n-butylphthalate	360 U	370 U	390 J	NS	410 U	430 U	390 U	380 U	390 U
Fluoranthene	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
Pyrene	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
Butylbenzylphthalate	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
3,3-Dichlorobenzidine	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
Benzo(a)anthracene	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
Chrysene	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
bis(2-Ethylhexyl)phthalate	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
Di-n-octylphthalate	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
Benzo(b)fluoranthene	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
Benzo(k)fluoranthene	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
Benzo(a)pyrene	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
Indeno(1,2,3-cd)pyrene	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
Dibenz(a,h)anthracene	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 U
Benzo(g,h,i)perylene	360 U	370 U	2000 U	NS	410 U	430 U	390 U	380 U	390 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	SOIL SEAD-57	SOIL SEAD-57	SOIL SEAD-57	SOIL SEAD-57	SOIL SEAD-57	SOIL SEAD-57	SOIL SEAD-57
						3	3	3	3	3	3	3	3
PESTICIDES/PCB													
alpha-BHC	ug/kg					1.9 U	1.9 U	2.1 U	2.1 U	2.1 U	2.2 U	2.2 U	2.2 U
beta-BHC	ug/kg					1.9 U	1.9 U	2.1 U	2.1 U	2.1 U	2.2 U	2.2 U	2.2 U
delta-BHC	ug/kg					1.9 U	1.9 U	2.1 U	2.1 U	2.1 U	2.2 U	2.2 U	2.2 U
gamma-BHC (Lindane)	ug/kg					1.9 U	1.9 U	2.1 U	2.1 U	2.1 U	2.2 U	2.2 U	2.2 U
Heptachlor	ug/kg					1.9 U	1.9 U	2.1 U	2.1 U	2.1 U	2.2 U	2.2 U	2.2 U
Aldrin	ug/kg					1.9 U	1.9 U	2.1 U	2.1 U	2.1 U	2.2 U	2.2 U	2.2 U
Heptachlor epoxide	ug/kg					1.9 U	1.9 U	2.1 U	2.1 U	2.1 U	2.2 U	2.2 U	2.2 U
Endosulfan I	ug/kg					1.9 U	1.9 U	2.1 U	2.1 U	2.1 U	2.2 U	2.2 U	2.2 U
Dieldrin	ug/kg					1.9 U	1.9 U	2.1 U	2.1 U	2.1 U	2.2 U	2.2 U	2.2 U
4,4'-DDE	ug/kg					3.7 U	3.7 U	4.1 U	4.1 U	4.1 U	4.3 U	4.3 U	4.3 U
Endrin	ug/kg					9.1	9.1	12	12	12	14.9	14.9	14.9
Endosulfan II	ug/kg					3.7 U	3.7 U	4.1 U	4.1 U	4.1 U	4.3 U	4.3 U	4.3 U
4,4'-DDD	ug/kg					3.7 U	3.7 U	4.1 U	4.1 U	4.1 U	4.3 U	4.3 U	4.3 U
Endosulfan sulfate	ug/kg					5.5	5.5	6.9	6.9	6.9	8.9	8.9	8.9
4,4'-DDT	ug/kg					3.7 U	3.7 U	4.1 U	4.1 U	4.1 U	4.3 U	4.3 U	4.3 U
Methoxychlor	ug/kg					12	12	23	23	23	28	28	28
Endrin ketone	ug/kg					19 U	19 U	19 U	19 U	19 U	21 U	21 U	21 U
alpha-Chlordane	ug/kg					3.7 U	3.7 U	4.1 U	4.1 U	4.1 U	4.3 U	4.3 U	4.3 U
gamma-Chlordane	ug/kg					3.7 U	3.7 U	4.1 U	4.1 U	4.1 U	4.3 U	4.3 U	4.3 U
Toxaphene	ug/kg					1.9 U	1.9 U	2.1 U	2.1 U	2.1 U	2.2 U	2.2 U	2.2 U
Aroclor-1016	ug/kg					190 U	190 U	210 U	210 U	210 U	220 U	220 U	220 U
Aroclor-1221	ug/kg					37 U	37 U	41 U	41 U	41 U	43 U	43 U	43 U
Aroclor-1222	ug/kg					76 U	76 U	82 U	82 U	82 U	88 U	88 U	88 U
Aroclor-1242	ug/kg					37 U	37 U	41 U	41 U	41 U	43 U	43 U	43 U
Aroclor-1248	ug/kg					37 U	37 U	41 U	41 U	41 U	43 U	43 U	43 U
Aroclor-1254	ug/kg					37 U	37 U	41 U	41 U	41 U	43 U	43 U	43 U
Aroclor-1260	ug/kg					37 U	37 U	41 U	41 U	41 U	43 U	43 U	43 U
METALS													
Aluminum	mg/kg					10700	17300	17300	17300	17300	18300	18300	18300
Antimony	mg/kg					6.4 UU	4.5 U	4.5 U	4.5 U	4.5 U	4.9 U	4.9 U	4.9 U
Arsenic	mg/kg					4.9	9.5	9.5	9.5	9.5	8.5	8.5	8.5
Barium	mg/kg					58.7	82.7	82.7	82.7	82.7	114	114	114
Beryllium	mg/kg					0.56 J	0.61 J	0.61 J	0.61 J	0.61 J	0.77 J	0.77 J	0.77 J
Cadmium	mg/kg					0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.48 U	0.48 U	0.48 U
Calcium	mg/kg					16600	19200	19200	19200	19200	18700	18700	18700
Chromium	mg/kg					20.5	29.9	29.9	29.9	29.9	34.5	34.5	34.5
Cobalt	mg/kg					12.1	13.7	13.7	13.7	13.7	14.9	14.9	14.9
Copper	mg/kg					34.3	2930 J	2930 J	2930 J	2930 J	9.4 J	9.4 J	9.4 J
Iron	mg/kg					24700	35700	35700	35700	35700	26.8 J	26.8 J	26.8 J
Lead	mg/kg					28.2	1860	1860	1860	1860	19.7 J	19.7 J	19.7 J
Magnesium	mg/kg					5050	8930	8930	8930	8930	14.9	14.9	14.9
Manganese	mg/kg					382	463 J	463 J	463 J	463 J	6640	6640	6640
Mercury	mg/kg					0.03 J	0.06 J	0.06 J	0.06 J	0.06 J	0.05 J	0.05 J	0.05 J
Nickel	mg/kg					45	51.6	51.6	51.6	51.6	31.8	31.8	31.8
Potassium	mg/kg					898	2080	2080	2080	2080	2190	2190	2190
Selenium	mg/kg					0.48 J	1.1 J	1.1 J	1.1 J	1.1 J	1.2 J	1.2 J	1.2 J
Silver	mg/kg					0.81 U	0.87 U	0.87 U	0.87 U	0.87 U	0.96 U	0.96 U	0.96 U
Sodium	mg/kg					56.9 J	99 J	99 J	99 J	99 J	82.7 J	82.7 J	82.7 J
Thallium	mg/kg					0.3 J	0.27 UU	0.27 UU	0.27 UU	0.27 UU	0.96 J	0.96 J	0.96 J
Vanadium	mg/kg					26.9	31.4	31.4	31.4	31.4	32.9	32.9	32.9
Zinc	mg/kg					81.1	93.8	93.8	93.8	93.8	85.6 J	85.6 J	85.6 J
Cyanide	mg/kg					0.52 U	0.68 U	0.68 U	0.68 U	0.68 U	0.74 U	0.74 U	0.74 U
OTHER ANALYSES													
Nitrate/Nitrite-Nitrogen	mg/kg					0.4	0.02	0.02	0.02	0.02	0.46	0.46	0.46
Total Solids	%W/W					90.8	81.4	81.4	81.4	81.4	82.8	82.8	82.8
Total Petroleum Hydrocarbons	mg/kg					NS	NS	NS	NS	NS	NS	NS	NS
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-57 EXPANDED SITE INSPECTION
SOIL ANALYSIS RESULTS

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

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

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE	SOIL SEAD-57	SOIL SEAD-57	SOIL SEAD-57
	ES ID	TP57-9	TP57-10	TP57-11
	LAB ID	206075	206076	203824
	UNITS			
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
4,4'-DDT	ug/Kg	3.8 U	3.9 U	4.1 U
Methoxychlor	ug/Kg	3.8 U	3.9 U	4.1 U
Endrin ketone	ug/Kg	20 U	20 U	21 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	200 U	200 U	210 U
Toxaphene	ug/Kg	38 U	39 U	41 U
Aroclor-1016	ug/Kg	78 U	80 U	83 U
Aroclor-1221	ug/Kg	38 U	39 U	41 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	14600
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	387 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	1450
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	WATER			
		SEAD-57 02/03/94 MW57-1 210260	SEAD-57 02/03/94 MW57-2 210261	SEAD-57 02/03/94 MW57-3 210262	SEAD-57 02/03/94 MW57-4 210263 MW57-3DUP
UNITS	UNITS	UNITS	UNITS	UNITS	
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-DICHLOROETHANE	ug/L	10 U	10 U	10 U	NS
1,1-DICHLOROETHANE (total)	ug/L	10 U	10 U	10 U	NS
1,2-DICHLOROETHANE	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
1,2-DICHLOROPROPANE	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
DIAAPON	ug/L	2.7 U	2.5 U	2.5 U	NS
DICAMBIA	ug/L	0.12 U	0.11 U	0.11 U	NS
DINoseb	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 1	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 MW57-3DUJ
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	10 U	10 U	10 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-phenylether	ug/L	10 U	10 U	10 U	NS
Fluorene	ug/L	10 U	10 U	10 U	NS
4-Nitroaniline	ug/L	10 U	10 U	10 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-phenylether	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	10 U	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

WATER
SEAD-57
02/03/94
MW57-4
210263
MW57-3DUP

WATER
SEAD-57
02/03/94
MW57-3
210262

WATER
SEAD-57
02/03/94
MW57-2
210261

WATER
SEAD-57
02/03/94
MW57-1
210260

MATRIX
LOCATION
SAMPLE DATE
ES ID
LAB ID
UNITS

COMPOUND
VOLATILE ORGANICS
PESTICIDES/PCB

alpha-BHC	0.054 U	0.054 U	0.054 U	0.059 U	NS
beta-BHC	0.054 U	0.054 U	0.054 U	0.059 U	NS
delta-BHC	0.054 U	0.054 U	0.054 U	0.059 U	NS
gamma-BHC (Lindane)	0.054 U	0.054 U	0.054 U	0.059 U	NS
Heptachlor	0.054 U	0.054 U	0.054 U	0.059 U	NS
Aldrin	0.054 U	0.054 U	0.054 U	0.059 U	NS
Heptachlor epoxide	0.054 U	0.054 U	0.054 U	0.059 U	NS
Endosulfan I	0.054 U	0.054 U	0.054 U	0.059 U	NS
Dieldrin	0.11 U	0.11 U	0.11 U	0.12 U	NS
4,4'-DDE	0.11 U	0.11 U	0.11 U	0.12 U	NS
Endrin	0.11 U	0.11 U	0.11 U	0.12 U	NS
Endosulfan II	0.11 U	0.11 U	0.11 U	0.12 U	NS
4,4'-DDD	0.11 U	0.11 U	0.11 U	0.12 U	NS
Endosulfan sulfate	0.11 U	0.11 U	0.11 U	0.12 U	NS
4,4'-DDT	0.11 U	0.11 U	0.11 U	0.12 U	NS
Methoxychlor	0.54 U	0.54 U	0.54 U	0.59 U	NS
Endrin ketone	0.11 U	0.11 U	0.11 U	0.12 U	NS
alpha-Chlordane	0.054 U	0.054 U	0.054 U	0.059 U	NS
gamma-Chlordane	0.054 U	0.054 U	0.054 U	0.059 U	NS
Toxaphene	5.4 U	5.4 U	5.4 U	5.9 U	NS
Aroclor-1016	1.1 U	1.1 U	1.1 U	1.2 U	NS
Aroclor-1221	2.2 U	2.2 U	2.2 U	2.4 U	NS
Aroclor-1232	1.1 U	1.1 U	1.1 U	1.2 U	NS
Aroclor-1242	1.1 U	1.1 U	1.1 U	1.2 U	NS
Aroclor-1248	1.1 U	1.1 U	1.1 U	1.2 U	NS
Aroclor-1254	1.1 U	1.1 U	1.1 U	1.2 U	NS
Aroclor-1260	1.1 U	1.1 U	1.1 U	1.2 U	NS

METALS

Aluminum	4200	6540	482	NS
Antimony	44.7 J R	21.6 UJ	35.7 J R	NS
Arsenic	1.4 U	1.4 U	1.4 U	NS
Barium	36.5 J	83.5 J	65.5 J	NS
Beryllium	0.4 U	0.63 J	0.4 U	NS
Cadmium	2.1 U	3.1 J	2.1 U	NS
Calcium	82000	288000	97900	NS
Chromium	7.7 J	14.5	3.7 J	NS
Cobalt	4.4 U	14.8 J	4.4 U	NS
Copper	3.1 U	5.2 J R	3.1 U	NS
Iron	6360	9260	652	NS
Lead	2.1 J R	2.2 J R	1.1 J R	NS
Magnesium	11400	36900	21100	NS
Manganese	245	327	122	NS
Mercury	0.04 U	0.04 U	0.04 U	NS
Nickel	8.2 J	18.8 J	4 U	NS
Potassium	3860 J	4600 J	2150 J	NS
Selenium	0.69 U	2.2 J	0.7 U	NS
Silver	4.2 U	4.2 U	4.2 U	NS
Sodium	4090 J R	8920 R	5540 R	NS
Thallium	1.2 U	1.2 U	1.2 U	NS
Vanadium	7.6 J	9.2 J	4.5 J	NS
Zinc	57.4	85.1	51.2 R	NS
Cyanide	5 U	5 U	5 U	NS

OTHER ANALYSES

Nitrate/Nitrite-Nitrogen	mg/L	0.25	NS	NS
Total Petroleum Hydrocarbons	mg/L	NS	NS	NS
Fluoride	mg/L	7.72	NS	NS
pH	standard units	7.23	NS	NS
Specific Conductance	umhos/cm	255	900	350
Turbidity	NTU	31.6	27.4	8.9

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-11 01/24/94 MW11-3R 209336	WATER SEAD-11 01/24/94 MW11-3RRE 209336	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 204866	WATER SEAD-17 10/27/93 SB17-2.2R 202504
COMPOUND							
UNIT							
VOLATILE ORGANICS							
Chloromethane	10 U	10 U	NS	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	NS	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	NS	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	NS	10 U	10 U	10 U	10 U
Methylene Chloride	10 U	10 U	NS	10 U	10 U	10 U	10 U
Aceton	10 U	16	NS	10 U	10 U	10 U	10 U
Carbon Disulfide	10 U	10 U	NS	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10 U	10 U	NS	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10 U	10 U	NS	10 U	10 U	10 U	10 U
1,2-Dichloroethane (total)	10 U	10 U	NS	10 U	10 U	10 U	10 U
Chloroform	10 U	10 U	NS	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10 U	10 U	NS	10 U	10 U	10 U	10 U
2-Butanone	10 U	4 J	NS	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	10 U	10 U	NS	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10 U	10 U	NS	10 U	10 U	10 U	10 U
Bromodichloromethane	10 U	10 U	NS	10 U	10 U	10 U	10 U
1,2-Dichloropropane	10 U	10 U	NS	10 U	10 U	10 U	10 U
cis-1,2-Dichloropropene	10 U	10 U	NS	10 U	10 U	10 U	10 U
Trichloroethane	10 U	10 U	NS	10 U	10 U	10 U	10 U
Dibromochloromethane	10 U	10 U	NS	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10 U	10 U	NS	10 U	10 U	10 U	10 U
Benzene	10 U	10 U	NS	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	10 U	10 U	NS	10 U	10 U	10 U	10 U
Bromoform	10 U	10 U	NS	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10 U	10 U	NS	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	NS	10 U	10 U	10 U	10 U
Tetrachloroethane	10 U	10 U	NS	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10 U	10 U	NS	10 U	10 U	10 U	10 U
Toluene	10 U	10 U	NS	10 U	10 U	10 U	10 U
Chlorobenzene	10 U	10 U	NS	10 U	10 U	10 U	10 U
Ethylbenzene	10 U	10 U	NS	10 U	10 U	10 U	10 U
Xylene (total)	10 U	10 U	NS	10 U	10 U	10 U	10 U
MTBE	10 U	10 U	NS	10 U	10 U	10 U	10 U
HERBICIDES							
2,4-D	1.1 U	1.1 U	NS	1.1 U	1.1 U	1.2 U	1.2 U
2,4-DB	1.1 U	1.1 U	NS	1.1 U	1.1 U	1.2 U	1.2 U
2,4,5-T	0.1 U	0.1 U	NS	0.1 U	0.1 U	0.1 U	0.1 U
2,4,5-TP (Silvex)	0.1 U	0.1 U	NS	0.1 U	0.1 U	0.1 U	0.1 U
Deqpon	2.5 U	2.4 U	NS	2.4 U	2.4 U	2.6 U	2.6 U
Diamba	0.1 U	0.1 U	NS	0.1 U	0.1 U	0.1 U	0.1 U
Dichloroprop	1.1 U	1.1 U	NS	1.1 U	1.1 U	1.2 U	1.2 U
Dinoseb	0.5 U	0.5 U	NS	0.5 U	0.5 U	0.5 U	0.5 U
MCPA	110.0 U	110 U	NS	110 U	110 U	120 U	120 U
MCPP	110.0 U	110 U	NS	110 U	110 U	120 U	120 U
NITROAROMATICS							
HMX	0.13 U	0.13 U	NS	0.13 U	0.13 U	0.13 U	0.13 U
RDX	0.13 U	0.13 U	NS	0.13 U	0.13 U	0.13 U	0.13 U
1,3,5-Trinitrobenzene	0.13 U	0.13 U	NS	0.13 U	0.13 U	0.13 U	0.13 U
1,3-Dinitrobenzene	0.13 U	0.13 U	NS	0.13 U	0.13 U	0.13 U	0.13 U
Tetryl	0.13 U	0.13 U	NS	0.13 U	0.13 U	0.13 U	0.13 U
2,4,6-Trinitrotoluene	0.13 U	0.13 U	NS	0.13 U	0.13 U	0.13 U	0.13 U
4-amino-2,6-Dinitrotoluene	0.13 U	0.13 U	NS	0.13 U	0.13 U	0.13 U	0.13 U
2,6-Dinitrotoluene	0.13 U	0.13 U	NS	0.13 U	0.13 U	0.13 U	0.13 U
2,4-Dinitrotoluene	0.13 U	0.13 U	NS	0.13 U	0.13 U	0.13 U	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

COMPOUND	MATRIX LOCATION SAMPLE DATE	WATER SEAD-4 12/05/93 SB4-4.1R 206143	WATER SEAD-11 01/24/94 MW11-3R 206336	WATER SEAD-11 01/24/94 MW11-3RRE 206336	WATER SEAD-13 12/07/93 SB13-7.1R 206404	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									
Bis(2-Chloroethyl) ether	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
2-Chloroethyl	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
1,3-Dichlorobenzene	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
1,4-Dichlorobenzene	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
2-Methylphenol	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
2,2'-oxybis(1-Chloropropane)	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
4-Methylphenol	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
N-Nitroso-d-n-propylamine	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Hexachloroethane	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Nitrobenzene	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Isophorone	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
2-Nitrophenol	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
2,4-Dimethylphenol	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
bis(2-Chloroethoxy) methane	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
2,4-Dichlorophenol	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
1,2,4-Trichlorobenzene	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Naphthalene	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
4-Chloroaniline	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Hexachlorobutadiene	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
4-Chloro-3-methylphenol	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
2-Methylnaphthalene	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Hexachlorocyclopentadiene	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
2,4,6-Trichlorophenol	ugL	26 U	26 U	NS	26 U	26 U	26 U	26 U	27 U
2,4,5-Trichlorophenol	ugL	26 U	26 U	NS	26 U	26 U	26 U	26 U	27 U
2-Chloronaphthalene	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Dimethylphthalate	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Acetylphenylene	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
5-Dinitrotoluene	ugL	26 U	26 U	NS	26 U	26 U	26 U	26 U	27 U
Nitrobenzene	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Acenaphthene	ugL	26 U	26 U	NS	26 U	26 U	26 U	26 U	27 U
2,4-Dinitrophenol	ugL	26 U	26 U	NS	26 U	26 U	26 U	26 U	27 U
Dibenzofuran	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
2,4-Dinitrotoluene	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Dibenzophthalate	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
4-Chlorophenyl-phenylether	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Fluorene	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
4-Nitroaniline	ugL	26 U	26 U	NS	26 U	26 U	26 U	26 U	27 U
4,6-Dinitro-2-methylphenol	ugL	26 U	26 U	NS	26 U	26 U	26 U	26 U	27 U
N-Nitrosodiphenylamine	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
4-Bromophenyl-phenylether	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Hexachlorobenzene	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Pentachlorophenol	ugL	26 U	26 U	NS	26 U	26 U	26 U	26 U	27 U
Phenanthrene	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Anthracene	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Carbazole	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Di-n-butylphthalate	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Fluoranthene	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Pyrene	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Butylbenzylphthalate	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
3,3'-Dichlorobenzidine	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Benzo(a)anthracene	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Chrysene	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Di(2-Ethylhexyl)phthalate	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Di-n-octylphthalate	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Benzo(b)fluoranthene	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Benzo(k)fluoranthene	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Indeno(1,2,3-cd)pyrene	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Dibenz(a,h)anthracene	ugL	10 U	10 U	NS	10 U	10 U	10 U	10 U	11 U
Benzo(g,h,i)perylene	ugL	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
RINSEATE BLANKS

COMPOUND	MATRIX LOCATION SAMPLE DATE	WATER SEAD-4 SB4-1.1R 206256	WATER SEAD-4 SB4-4.1R 206143	WATER SEAD-11 MW11-3R 206336	WATER SEAD-11 MW11-3RRE 206336	WATER SEAD-13 SB13-7.1R 206404	WATER SEAD-13 SB13-9.1R 207030	WATER SEAD-13 SB13-10.1R 207185	WATER SEAD-16 MW16-2R 204986	WATER SEAD-17 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	0.054 U	0.058 U
beta-BHC	ug/L	0.05 UJ	0.058 U	0.052 U	NS	0.05 UJ	0.05 U	0.056 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	0.054 U	0.058 U
gamma-BHC (Lindane)	ug/L	0.05 UJ	0.058 U	0.052 U	NS	0.05 UJ	0.05 U	0.056 U	0.054 U	0.058 U
Heptachlor	ug/L	0.05 UJ	0.058 U	0.052 U	NS	0.05 UJ	0.05 U	0.056 U	0.054 U	0.058 U
Aldrin	ug/L	0.05 UJ	0.058 U	0.052 U	NS	0.05 UJ	0.05 U	0.056 U	0.054 U	0.058 U
Heptachlor epoxide	ug/L	0.05 UJ	0.058 U	0.052 U	NS	0.05 UJ	0.05 U	0.056 U	0.054 U	0.058 U
Endosulfan I	ug/L	0.1 UJ	0.12 U	0.1 U	NS	0.1 UJ	0.1 U	0.11 U	0.11 U	0.12 U
Dieldrin	ug/L	0.1 UJ	0.12 U	0.1 U	NS	0.1 UJ	0.1 U	0.11 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	0.11 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	0.11 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	0.11 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	0.11 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	0.11 U	0.12 U
4-DDD	ug/L	0.1 UJ	0.12 U	0.1 U	NS	0.1 UJ	0.1 U	0.11 U	0.11 U	0.12 U
Methoxychlor	ug/L	0.52 U	0.58 U	0.52 U	NS	0.52 U	0.52 U	0.56 U	0.54 U	0.58 U
Endrin-stone	ug/L	0.1 UJ	0.12 U	0.1 U	NS	0.1 UJ	0.1 U	0.11 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	0.11 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	0.054 U	0.058 U
gamma-Chlordane	ug/L	0.05 UJ	0.058 U	0.052 U	NS	0.05 UJ	0.05 U	0.056 U	0.054 U	0.058 U
Toxaphene	ug/L	5 U	5.8 U	5 U	NS	5 U	5 U	5.6 U	5.4 U	5.8 U
Aroclor-1016	ug/L	1 UJ	1.2 U	1 U	NS	1 UJ	1 U	1.1 U	1.1 U	1.2 U
Aroclor-1221	ug/L	2 UJ	2.3 U	2 U	NS	2 UJ	2 U	2.2 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	1.1 U	1.2 U
Aroclor-1242	ug/L	1 UJ	1.2 U	1 U	NS	1 UJ	1 U	1.1 U	1.1 U	1.2 U
Aroclor-1248	ug/L	1 UJ	1.2 U	1 U	NS	1 UJ	1 U	1.1 U	1.1 U	1.2 U
Aroclor-1254	ug/L	1 UJ	1.2 U	1 U	NS	1 UJ	1 U	1.1 U	1.1 U	1.2 U
Aroclor-1260	ug/L	1 UJ	1.2 U	1 U	NS	1 UJ	1 U	1.1 U	1.1 U	1.2 U
METALS										
Aluminum	ug/L	88.1 J	109 J	41.9 U	NS	41.9 U	44.5 U	41.9 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	21.5 U	21.5 U
Arsenic	ug/L	0.79 U	1.9 J	0.8 U	NS	0.79 U	0.8 U	0.8 U	0.8 U	0.8 U
Barium	ug/L	3.5 U	3.5 U	3.5 U	NS	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Beryllium	ug/L	0.4 U	0.4 U	0.4 U	NS	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Cadmium	ug/L	2.1 U	2.1 U	2.1 U	NS	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Calcium	ug/L	128 U	184 J	127 U	NS	127 U	127 U	128 U	128 U	128 U
Chromium	ug/L	4.7 J	2.6 U	2.6 U	NS	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Cobalt	ug/L	4.4 U	4.4 U	4.4 U	NS	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U
Copper	ug/L	5.4 J	3.1 U	3.1 U	NS	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Iron	ug/L	130 U	157 U	56 U	NS	43.9 J	40.6 J	12.9 J	27.6 J	81.7 J
Lead	ug/L	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Magnesium	ug/L	114 U	114 U	114 U	NS	114 U	114 U	114 U	114 U	114 U
Manganese	ug/L	3 U	1.1 U	1.1 U	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Mercury	ug/L	0.08 J	0.07 J	0.04 U	NS	0.04 U	0.04 U	0.04 U	0.07 UJ	0.07 U
Nickel	ug/L	4 U	4 U	4 U	NS	4 U	4 U	4 U	4 U	4 U
Potassium	ug/L	962 U	949 U	908 U	NS	962 U	962 U	962 U	962 U	962 U
Selenium	ug/L	0.69 U	0.7 U	0.7 U	NS	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
Silver	ug/L	4.2 U	4.2 U	4.2 U	NS	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U
Sodium	ug/L	4100 J	3870 J	1540 J	NS	3860 J	3860 J	3860 J	3860 J	3860 J
Thallium	ug/L	1.2 U	3.7 U	1.2 U	NS	1.2 U	1.2 U	1.2 U	1.2 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	3.7 U	3.7 U
Zinc	ug/L	4.9 J	1.9 U	121 J R	NS	1.9 U	4.7 U	4.7 U	3.1 U	13.1 J
Cyanide	ug/L	5 U	6 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
OTHER ANALYSES										
Nitrate/Nitrite-Nitrogen	mg/L	0.01 U	0.01 U	0.01 U	NS	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Total Petroleum Hydrocarbons	mg/L	0.39 U	0.39 U	0.37 U	NS	0.37 U	0.41 U	0.41 U	0.15	0.15
Fluoride	mg/L	NS	NS	NS	NS	NS	NS	NS	0.1	0.1
pH	standard units	NS	NS	NS	NS	NS	0.13	0.13	NS	NS

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

MATRIX LOCATION SAMPLE DATE LAB ID UNITS	WATER SEAD-17 10/22/93 SS17-18R 202056	WATER SEAD-24 11/30/93 SB24-11R 205881	WATER SEAD-24 11/30/93 SB24-11RRE 205881	WATER SEAD-24 10/22/93 SS24-9R 202088	WATER 25 02/06/94 MV25-1R 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 DISTILLED WATER 01/06/94 DDW-01 207962
SEMIVOLATILE ORGANICS											
Phenol	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
bis(2-Chloroethyl) ether	ug/L	ug/L	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
2-Methylphenol	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
2,2-oxybis(1-Chloropropane)	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
N-Nitrophenol	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
2-Nitrophenol	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
bis(2-Chloroethoxy) methane	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
4-Chloroaniline	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	25 U	26 U	NS	25 U	26 U	27 U	26 U	28 U	26 U	26 U	26 U
2,4,5-Trichlorophenol	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
2-Chloronaphthalene	25 U	26 U	NS	25 U	26 U	27 U	26 U	28 U	26 U	26 U	26 U
2-Nitroaniline	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
Dimethylphthalate	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
2,6-Dinitrotoluene	25 U	26 U	NS	25 U	26 U	27 U	26 U	28 U	26 U	26 U	26 U
3-Nitroaniline	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
Acenaphthene	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
2,4-Dinitrophenol	25 U	26 U	NS	25 U	26 U	27 U	26 U	28 U	26 U	26 U	26 U
1-Nitrophenol	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
Benzofuran	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
2-Nitrotoluene	25 U	26 U	NS	25 U	26 U	27 U	26 U	28 U	26 U	26 U	26 U
Diethylphthalate	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
Fluorene	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
4-Nitroaniline	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
4,6-Dinitro-2-methylphenol	25 U	26 U	NS	25 U	26 U	27 U	26 U	28 U	26 U	26 U	26 U
N-Nitrosodiphenylamine	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
Pentachlorophenol	25 U	26 U	NS	25 U	26 U	27 U	26 U	28 U	26 U	26 U	26 U
Phenanthrene	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
Anthracene	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
Carbazole	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
Pyrene	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
Butylbenzylphthalate	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
3,3-Dichlorobenzidine	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
Benzofluoranthene	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
Chrysene	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
Benzofluoranthene	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
Benzofluoranthene	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
Benzofluoranthene	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U
Dibenzo(g,h)perylene	10 U	10 U	NS	10 U	10 U	11 U	10 U	11 U	10 U	10 U	10 U

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

MATRIX LOCATION SAMPLE DATE ES ID LAB ID UNITS	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	
CHLOROMETHANE	11/01/93 TB11-1 202945	11/02/93 TB11-2 203214	11/03/93 TB11-3 203413	11/15/93 TB11-16 204635	11/16/93 TB11-16 204659	11/17/93 TB11-17 204981	11/18/93 TB11-18 205064	11/19/93 TB11-19 205060	11/30/93 TB11-30 205882	12/05/93 TB12-5 206189
BROMOMETHANE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
VINYL CHLORIDE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
CHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
METHYLENE CHLORIDE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
ACETONE	10 U	10 U	10 U	5 J	17	10 U	10 U	10 U	10 U	10 U
CARBON DISULFIDE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U
1,1-DICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
CHLOROFORM	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-BUTANONE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-TRICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
CARBON TETRACHLORIDE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BROMODICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROPROPANE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-DICHLOROPROPENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
TRICHLOROETHENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
DIBROMOCHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-TRICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BENZENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-DICHLOROPROPENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BROMOFORM	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-METHYL-2-PENTANONE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-HEXANONE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
TETRACHLOROETHENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-TETRACHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
TOLUENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
CHLOROBENZENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
ETHYLBENZENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
STYRENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
XYLENE (total)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
MTBE	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 SAMPLE DATE	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
ES ID	12/07/93	12/15/93	12/16/93	12/17/93	01/06/94	01/20/94	01/22/94	01/23/94	
LAB ID	TB12-7	TB12-15	TB12-16	TB12-17	TB1-6	TB1-20	TB1-22	TB1-23	
UNITS	206422	207100	207032	207189	207953	209095	209262	209263	
VOLATILE ORGANICS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	17								
Acetone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane (total)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene (total)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
MTBE	10 U	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
SAMPLE DATE	01/24/94	01/25/94	02/01/94	02/02/94	02/03/94	02/04/94	02/05/94	02/06/94	02/11/94
ES ID	TB1-24	TB1-25	TB2-1	TB2-2	TB2-3	TB2-4	TB2-5	TB2-6M	TB2-11
LAB ID	209338	209342	210064	210196	210264	210500	210483	210546	209096
UNITS									
COMPOUND									
VOLATILE ORGANICS									
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	18	18	19	18	19	21	24	24	19
Carbon Disulfide	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane (total)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	4 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoforn	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene (total)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
MTBE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	NA	NA	NA	NA	NA	NA	NA	ND	NA