SENECA ARMY DEPOT

ROMULUS, NEW YORK

SENECA OB GROUNDS

VALIDATED DATA TABLES

PHASE I AND II

AUGUST 1993

ENGINEERING-SCIENCE, INC.

BOSTON, MASSACHUSETTS

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VALIDATED RESULTS-PHASE 1

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-01	GB-01	GB-02	GB-02	GB-02	GB-2	GB-03
	DEPTH	0-6'	2-4'	0-6'	0-2'	4-6'	0-2'	0-6'
	DATE	12/03/91	12/03/91	12/04/91	12/04/91	12/04/91	12/04/91	12/05/91
	ES ID	GB01-1	GB01-3	GB02-1	GB02-2	GB02-4	GB02-4RE	GB03-1
	LAB ID	150047	150049	150184	150051	150185	150185	150382
	UNITS							
Volatile Organic Compounds								
Chloromethane	ug/kg	13 U	11 U	13 U	12 U	11 U		11 U
Bromomethane	ug/kg	13 U	11 U	13 U	12 U	11 U		11 U
Vinyl Chloride	ug/kg	13 U	11 U	13 U	12 U	11 U		11 U
Chloroethane	ug/kg	13 U	11 U	13 U	12 U	11 U		11 U
Methylene Chloride	ug/kg	7 U	6 U	6 U	6 U	6 U		6 U
Acetone	ug/kg	13 U	11 U	13 U	12 U	11 U		11 U
Carbon Disulfide	ug/kg	7 U	6 U	6 U	6 U	6 U		6 U
1,1-Dichloroethene	ug/kg	7 U	6 U	6 U	6 U	6 U		6 U
1,1-Dichloroethane	ug/kg	7 U	6 U	6 U	6 U	6 U		6 U
1,2-Dichloroethene (total)	ug/kg	7 U	6 U	6 U	6 U	6 U		6 U
Chloroform	ug/kg	7 U	6 U	6 U	6 U	10		6 U
1,2-Dichloroethane	ug/kg	7 U	6 U	6 U	6 U	6 U		6 U
2-Butanone	ug/kg	13 U	11 U	13 U	12 U	11 U		11 U
1,1,1-Trichloroethane	ug/kg	7 U	6 U	6 U	6 U	6 U		6 U
Carbon Tetrachloride	ug/kg	7 U	6 U	6 U	6 U	6 U		6 U
Vinyl Acetate	ug/kg	13 U	11 U	13 U	12 U	11 U		11 U
Bromodichloromethane	ug/kg	7 U	6 U	6 U	6 U	6 U		6 U
1,2-Dichloropropane	ug/kg	7 U	6 U	6 U	6 U	6 U		6 U
cis-1,3-Dichloropropene	ug/kg	7 U	6 U	6 U	6 U	6 U		6 U
Trichloroethene	ug/kg	7 U	6 U	6 U	6 U	6 U		6 U
Dibromochloromethane	ug/kg	7 U	6 U	6 U	6 U	6 U		6 U
1,1,2-Trichloroethane	ug/kg	7 U	6 U	6 U	6 U	6 U		6 U
Benzene	ug/kg	7 U	6 U	6 U	6 U	6 U		6 U
trans-1,3-Dichloropropene	ug/kg	7 U	6 U	6 U	6 U	6 U		6 U
Bromoform	ug/kg	7 U	6 U	6 U	6 U	6 U		6 U
4-Methyl-2-Pentanone	ug/kg	13 U	11 U	13 U	12 U	11 U		11 U
2-Hexanone	ug/kg	13 U	11 U	13 U	12 U	11 U		11 U
Tetrachloroethene	ug/kg	7 U	6 U	6 U	6 U	6 U		6 U
1,1,2,2-Tetrachloroethane	ug/kg	7 U	6 U	6 U	6 U	6 U		6 U
Toluene	ug/kg	7 U	6 U	6 U	6 U	6 U		6 U
Chlorobenzene	ug/kg	7 U	6 U	6 U	6 U	6 U		6 U
Ethylbenzene	ug/kg	7 U	6 U	6 U	6 U	6 U		6 U
Styrene	ug/kg	7 U	6 U	6 U	6 U	6 U		6 U
Xylene (total)	ug/kg	7 U	6 U	6 U	6 U	6 U		6 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VALIDATED RESULTS-PHASE 1

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-01	GB-01	GB-02	GB-02	GB-02	GB-2	GB-03
	DEPTH	0-6"	2-4'	0-6"	0-2'	4-6'	0-2'	0-6"
	DATE	12/03/91	12/03/91	12/04/91	12/04/91	12/04/91	12/04/91	12/05/91
	ES ID	GB01-1	GB01-3	GB02-1	GB02-2	GB02-4	GB02-4RE	GB03-1
	LAB ID	150047	150049	150184	150051	150185	150185	150382
	UNITS							
Semivolatiles								
Phenol	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
bis(2-Chloroethyl) ether	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
2-Chlorophenol	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
1,3-Dichlorobenzene	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
1,4-Dichlorobenzene	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
Benzyl Alcohol	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
1,2-Dichlorobenzene	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
2-Methylphenol	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
2,2'-oxybis(1-Chloropropane)	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
4-Methylphenol	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
N-Nitroso-di-n-propylamine	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
Hexachloroethane	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
Nitrobenzene	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
Isophorone	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
2-Nitrophenol	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
2,4-Dimethylphenol	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
Benzoic acid	ug/kg	3800 U	3500 U	3900 U J	3800 U	3700 U R	3700 U J	3700 U
bis(2-Chloroethoxy) methane	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
2,4-Dichlorophenol	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
1,2,4-Trichlorobenzene	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
Naphthalene	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
4-Chloroaniline	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
Hexachlorobutadiene	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
4-Chloro-3-methylphenol	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
2-Methylnaphthalene	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
Hexachlorocyclopentadiene	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
2,4,6-Trichlorophenol	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
2,4,5-Trichlorophenol	ug/kg	3800 U	3500 U	3900 U J	3800 U	3700 U R	3700 U J	3700 U
2-Chloronaphthalene	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
2-Nitroaniline	ug/kg	3800 U	3500 U	3900 U J	3800 U	3700 U R	3700 U J	3700 U
Dimethylphthalate	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
Acenaphthylene	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
2,6-Dinitrotoluene	ug/kg	780 U	730 U	790 U J	790 U	770 U R	200 J	340 J
3-Nitroaniline	ug/kg	3800 U	3500 U	3900 U J	3800 U	3700 U R	3700 U J	3700 U
Acenaphthene	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
2,4-Dinitrophenol	ug/kg	3800 U	3500 U	3900 U J	3800 U	3700 U R	3700 U J	3700 U
4-Nitrophenol	ug/kg	3800 U	3500 U	3900 U J	3800 U	3700 U R	3700 U J	3700 U
Dibenzofuran	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
2,4-Dinitrotoluene	ug/kg	780 U	730 U	2000 J	790 U	770 U R	4200 J	7000
Diethylphthalate	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
4-Chlorophenyl-phenylether	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
Fluorene	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
4-Nitroaniline	ug/kg	3800 U	3500 U	3900 U J	3800 U	3700 U R	3700 U J	3700 U
4,6-Dinitro-2-methylphenol	ug/kg	3800 U	3500 U	3900 U J	3800 U	3700 U R	3700 U J	3700 U
N-Nitrosodiphenylamine	ug/kg	780 U	730 U	340 J	790 U	770 U R	1000 J	1000
4-Bromophenyl-phenylether	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
Hexachlorobenzene	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
Pentachlorophenol	ug/kg	3800 U	3500 U	3900 U J	3800 U	3700 U R	3700 U J	3700 U
Phenanthrene	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
Anthracene	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
Carbazole	ug/kg							
Di-n-butylphthalate	ug/kg	780 U	730 U	1100 J	790 U	770 U R	1400 J	840
Fluoranthene	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
Pyrene	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
Butylbenzylphthalate	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
3,3'-Dichlorobenzidine	ug/kg	1600 U	1500 U	1600 U J	1600 U	1500 U R	1500 U J	1500 U
Benzo(a)anthracene	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
Chrysene	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
bis(2-Ethylhexyl)phthalate	ug/kg	780 U	780	790 U J	790 U	770 U R	770 U J	760 U
Di-n-octylphthalate	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
Benzo(b)fluoranthene	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
Benzo(k)fluoranthene	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
Benzo(a)pyrene	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
Indeno(1,2,3-cd)pyrene	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
Dibenz(a,h)anthracene	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U
Benzo(g,h,i)perylene	ug/kg	780 U	730 U	790 U J	790 U	770 U R	770 U J	760 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VALIDATED RESULTS-PHASE 1

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-01	GB-01	GB-02	GB-02	GB-02	GB-2	GB-03
	DEPTH	0-6"	2-4'	0-6"	O-2'	4-6'	0-2'	0-6"
	DATE	12/03/91	12/03/91	12/04/91	12/04/91	12/04/91	12/04/91	12/05/91
	ES ID	GB01-1	GB01-3	GB02-1	GB02-2	GB02-4	GB02-4RE	GB03-1
	LAB ID	150047	150049	150184	150051	150185	150185	150362
	UNITS							
Pesticides/PCBs								
alpha-BHC	ug/kg	19 U	18 U	19 U	19 U	19 U		19 U
beta-BHC	ug/kg	19 U	18 U	19 U	19 U	19 U		19 U
delta-BHC	ug/kg	19 U	18 U	19 U	19 U	19 U		19 U
gamma-BHC (Lindane)	ug/kg	19 U	18 U	19 U	19 U	19 U		19 U
Heptachlor	ug/kg	19 U	18 U	19 U	19 U	19 U		19 U
Aldrin	ug/kg	19 U	18 U	19 U	19 U	19 U		19 U
Heptachlor epoxide	ug/kg	19 U	18 U	19 U	19 U	19 U		19 U
Endosulfan I	ug/kg	19 U	18 U	19 U	19 U	19 U		19 U
Dieldrin	ug/kg	38 U	35 U	39 U	38 U	37 U		37 U
4,4'-DDE	ug/kg	38 U	35 U	39 U	38 U	37 U		32 J
Endrin	ug/kg	38 U	35 U	39 U	38 U	37 U		37 U
Endosulfan II	ug/kg	38 U	35 U	39 U	38 U	37 U		37 U
4,4'-DDD	ug/kg	38 U	35 U	39 U	38 U	37 U		37 U
Endosulfan sulfate	ug/kg	38 U	35 U	39 U	38 U	37 U		37 U
4,4'-DDT	ug/kg	38 U	35 U	39 U	38 U	37 U		37 U
Methoxychlor	ug/kg	190 U	180 U	190 U	190 U	190 U		190 U
Endrin ketone	ug/kg	38 U	35 U	39 U	38 U	37 U		37 U
Endrin aldehyde	ug/Kg							
alpha-Chlordane	ug/kg	190 U	180 U	190 U	190 U	190 U		190 U
gamma-Chlordane	ug/kg	190 U	180 U	190 U	190 U	190 U		190 U
Toxaphene	ug/kg	380 U	350 U	390 U	380 U	370 U		370 U
Aroclor-1016	ug/kg	190 U	180 U	190 U	190 U	190 U		190 U
Aroclor-1221	ug/kg	190 U	180 U	190 U	190 U	190 U		190 U
Aroclor-1232	ug/kg	190 U	180 U	190 U	190 U	190 U		190 U
Aroclor-1242	ug/kg	190 U	180 U	190 U	190 U	190 U		190 U
Aroclor-1248	ug/kg	190 U	180 U	190 U	190 U	190 U		190 U
Aroclor-1254	ug/kg	380 U	350 U	390 U	380 U	370 U		370 U
Aroclor-1260	ug/kg	380 U	350 U	390 U	380 U	370 U		370 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VALIDATED RESULTS-PHASE 1

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-01	GB-01	GB-02	GB-02	GB-02	GB-2	GB-03
	DEPTH	0-6"	2-4'	0-6"	0-2'	4-6'	0-2'	0-6"
	DATE	12/03/91	12/03/91	12/04/91	12/04/91	12/04/91	12/04/91	12/05/91
	ES ID	GB01-1	GB01-3	GB02-1	GB02-2	GB02-4	GB02-4RE	GB03-1
	LAB ID	150047	150049	150184	150051	150185	150185	150382
	UNITS							
Explosives								
HMX	ug/kg	1000 U	1000 U	1000 U	1000 U	1200 U J	950 U J	1000 U
RDX	ug/kg	120 U	120 U	120 U	120 U	150 U J	120 U J	120 U
1,3,5-Trinitrobenzene	ug/kg	120 U	120 U	82 J	120 U	150 U J	120 U J	184
1,3-Dinitrobenzene	ug/kg	120 U	120 U	120 U	120 U	150 U J	120 U J	120 U
Tetryl	ug/kg	400 U	400 U	400 U	400 U	470 U J	380 U J	400 U
2,4,6-Trinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	150 U J	120 U J	150
4-amino-2,6-Dinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	150 U J	120 U J	370
2-amino-4,6-Dinitrotoluene	ug/kg	120 U	120 U	85 J	73 J	150 U J	120 U J	370
2,6-Dinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	150 U J	120 U J	120 U
2,4-Dinitrotoluene	ug/kg	120 U	120 U	270	120 U	150 U J	120 U J	940
Metals								
Aluminum	mg/kg	12900	17500	20900	19000	16600		16600
Antimony	mg/kg	12.7 U R	11.4 U R	19.6 R	13.4 U R	10.4 U R		6.8 U R
Arsenic	mg/kg	6.6	4.7	18.5	5.3	3.8		4.9
Barium	mg/kg	226	365	2290	906	72.8		924
Beryllium	mg/kg	0.9 R	1.1 R	0.88 R	1.2 R	1.1 R		0.83 R
Cadmium	mg/kg	2.2	2.4	5.9	2.3	2.5		3.7
Calcium	mg/kg	11200	10000	8270	6250	5050		17500
Chromium	mg/kg	21.8	26.3	34.9	27.7	29.5		33.3
Cobalt	mg/kg	10.4 J	9.2 J	12.8	9.5 J	19.3		13.4
Copper	mg/kg	1010	258	1060	399	42.8		109
Iron	mg/kg	26700	32100	37700	28800	35800		30100
Lead	mg/kg	630	481	5310	3400	27.9		194
Magnesium	mg/kg	5150	6060	7190	5870	7200		6620
Manganese	mg/kg	360	449	597	380	466		511
Mercury	mg/kg	0.13	0.04 J	0.15	0.14	0.04 U		0.09 J
Nickel	mg/kg	33.8	39.6	45.4	34.6	62.4		40.1
Potassium	mg/kg	1280	2010	2340	2030	1590		2360
Selenium	mg/kg	0.16 U J	0.16 U J	0.91 J	1 U J	0.13 U J		0.16 U J
Silver	mg/kg	2.1 U	1.9 U	1.6 U	2.2 U	1.7 U		1.1 U
Sodium	mg/kg	73.5 U	66.2 U	160 J	130 J	72.3 J		82.2 J
Thallium	mg/kg	0.5 U	0.5 U	0.44 U	0.67 U	0.42 U		0.5 U
Vanadium	mg/kg	20.4	26.1	26.7	29.7	24.2		25.8
Zinc	mg/kg	383	163	780	210	94.9		676
Cyanide	mg/kg	0.67 U	0.61 U	0.7 U	0.62 U	0.51 U		0.65 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VALIDATED RESULTS-PHASE 1

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-03	GB-3	GB-04	GB-04	GB-05	GB-05	GB-05
	DEPTH	0-2'	0-2'	0-6"	6' +	0-6"	0-2'	2-4'
	DATE	12/04/91	12/04/91	12/06/91	12/05/91	12/06/91	12/05/91	12/05/91
	ES ID	GB03-2	GB03-2RE	GB04-1	GB04-5	GB05-1	GB05-2	GB-5-3
	LAB ID	150186	150186	150383	150387	150388	150389	150390
	UNITS							
Volatile Organic Compounds								
Chloromethane	ug/kg	12 U		12 U	12 U	12 U	12 U	
Bromomethane	ug/kg	12 U		12 U	12 U	12 U	12 U	
Vinyl Chloride	ug/kg	12 U		12 U	12 U	12 U	12 U	
Chloroethane	ug/kg	12 U		12 U	12 U	12 U	12 U	
Methylene Chloride	ug/kg	6 U		6 U	6 U	6 U	6 U	
Acetone	ug/kg	12 U		12 U	12 U	12 U	12 U	
Carbon Disulfide	ug/kg	6 U		6 U	6 U	6 U	6 U	
1,1-Dichloroethene	ug/kg	6 U		6 U	6 U	6 U	6 U	
1,1-Dichloroethane	ug/kg	6 U		6 U	6 U	6 U	6 U	
1,2-Dichloroethene (total)	ug/kg	6 U		6 U	6 U	6 U	6 U	
Chloroform	ug/kg	6 U		6 U	6 U	6 U	6 U	
1,2-Dichloroethane	ug/kg	6 U		6 U	6 U	6 U	6 U	
2-Butanone	ug/kg	12 U		12 U	12 U	12 U	12 U	
1,1,1-Trichloroethane	ug/kg	6 U		6 U	6 U	6 U	6 U	
Carbon Tetrachloride	ug/kg	6 U		6 U	6 U	6 U	6 U	
Vinyl Acetate	ug/kg	12 U		12 U	12 U	12 U	12 U	
Bromodichloromethane	ug/kg	6 U		6 U	6 U	6 U	6 U	
1,2-Dichloropropane	ug/kg	6 U		6 U	6 U	6 U	6 U	
cis-1,3-Dichloropropene	ug/kg	6 U		6 U	6 U	6 U	6 U	
Trichloroethene	ug/kg	6 U		6 U	6 U	6 U	6 U	
Dibromochloromethane	ug/kg	6 U		6 U	6 U	6 U	6 U	
1,1,2-Trichloroethane	ug/kg	6 U		6 U	6 U	6 U	6 U	
Benzene	ug/kg	6 U		6 U	6 U	6 U	6 U	
trans-1,3-Dichloropropene	ug/kg	6 U		6 U	6 U	6 U	6 U	
Bromoform	ug/kg	6 U		6 U	6 U	6 U	6 U	
4-Methyl-2-Pentanone	ug/kg	12 U		12 U	12 U	12 U	12 U	
2-Hexanone	ug/kg	12 U		12 U	12 U	12 U	12 U	
Tetrachloroethene	ug/kg	6 U		6 U	6 U	6 U	6 U	
1,1,2,2-Tetrachloroethane	ug/kg	6 U		6 U	6 U	6 U	6 U	
Toluene	ug/kg	6 U		6 U	6 U	6 U	6 U	
Chlorobenzene	ug/kg	6 U		6 U	6 U	6 U	6 U	
Ethylbenzene	ug/kg	6 U		6 U	6 U	6 U	6 U	
Styrene	ug/kg	6 U		6 U	6 U	6 U	6 U	
Xylene (total)	ug/kg	6 U		6 U	6 U	6 U	6 U	

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VALIDATED RESULTS-PHASE 1

COMPOUND	MATRIX LOCATION DEPTH DATE ES ID LAB ID UNITS	SOIL GB-03 0-2' 12/04/91 GB03-2 150186	SOIL GB-3 0-2' 12/04/91 GB03-2RE 150188	SOIL GB-04 0-6" 12/06/91 GB04-1 150383	SOIL GB-04 8' + 12/05/91 GB04-5 150387	SOIL GB-05 0-6" 12/06/91 GB05-1 150388	SOIL GB-05 0-2' 12/05/91 GB05-2 150389	SOIL GB-05 2-4' 12/05/91 GB-5-3 150390
Semivolatiles								
Phenol	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
bis(2-Chloroethyl) ether	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
2-Chlorophenol	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
1,3-Dichlorobenzene	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
1,4-Dichlorobenzene	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
Benzyl Alcohol	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
1,2-Dichlorobenzene	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
2-Methylphenol	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
2,2'-oxybis(1-Chloropropane)	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
4-Methylphenol	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
N-Nitroso-di-n-propylamine	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
Hexachloroethane	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
Nitrobenzene	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
Isophorone	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
2-Nitrophenol	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
2,4-Dimethylphenol	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
Benzoic acid	ug/kg	3500 U R	1700 U J	3800 U	3600 U	3900 U	3700 U	
bis(2-Chloroethoxy) methane	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
2,4-Dichlorophenol	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
1,2,4-Trichlorobenzene	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
Naphthalene	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
4-Chloroaniline	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
Hexachlorobutadiene	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
4-Chloro-3-methylphenol	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
2-Methylnaphthalene	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
Hexachlorocyclopentadiene	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
2,4,6-Trichlorophenol	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
2,4,5-Trichlorophenol	ug/kg	3500 U R	1700 U J	3800 U	3600 U	3900 U	3700 U	
2-Chloronaphthalene	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
2-Nitroaniline	ug/kg	3500 U R	1700 U J	3800 U	3600 U	3900 U	3700 U	
Dimethylphthalate	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
Acenaphthylene	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
2,6-Dinitrotoluene	ug/kg	730 U R	110 J	780 U	750 U	800 U	760 U	
3-Nitroaniline	ug/kg	3500 U R	1700 U J	3800 U	3600 U	3900 U	3700 U	
Acenaphthene	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
2,4-Dinitrophenol	ug/kg	3500 U R	1700 U J	3800 U	3600 U	3900 U	3700 U	
4-Nitrophenol	ug/kg	3500 U R	1700 U J	3800 U	3600 U	3900 U	3700 U	
Dibenzofuran	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
2,4-Dinitrotoluene	ug/kg	730 U R	2200 J	780 U	750 U	800 U	760 U	
Diethylphthalate	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
4-Chlorophenyl-phenylether	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
Fluorene	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
4-Nitroaniline	ug/kg	3500 U R	1700 U J	3800 U	3600 U	3900 U	3700 U	
4,6-Dinitro-2-methylphenol	ug/kg	3500 U R	1700 U J	3800 U	3600 U	3900 U	3700 U	
N-Nitrosodiphenylamine	ug/kg	730 U R	510 J	780 U	750 U	800 U	760 U	
4-Bromophenyl-phenylether	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
Hexachlorobenzene	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
Pentachlorophenol	ug/kg	3500 U R	1700 U J	3800 U	3600 U	3900 U	3700 U	
Phenanthrene	ug/kg	730 U R	360 U J	780 U	750 U	290 J	760 U	
Anthracene	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
Carbazole	ug/kg							
Di-n-butylphthalate	ug/kg	730 U R	1400 J	780 U	750 U	800 U	760 U	
Fluoranthene	ug/kg	730 U R	360 U J	780 U	750 U	480 J	760 U	
Pyrene	ug/kg	730 U R	360 U J	780 U	750 U	300 J	760 U	
Butylbenzylphthalate	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
3,3'-Dichlorobenzidine	ug/kg	1500 U R	720 U J	1600 U	1500 U	1600 U	1500 U	
Benzo(a)anthracene	ug/kg	730 U R	360 U J	780 U	750 U	200 J	760 U	
Chrysene	ug/kg	730 U R	360 U J	780 U	750 U	250 J	760 U	
bis(2-Ethylhexyl)phthalate	ug/kg	730 U R	360 U J	780 U	750 U	800 U	300 J	
Di-n-octylphthalate	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
Benzo(b)fluoranthene	ug/kg	730 U R	360 U J	780 U	750 U	180 J	760 U	
Benzo(k)fluoranthene	ug/kg	730 U R	360 U J	780 U	750 U	190 J	760 U	
Benzo(a)pyrene	ug/kg	730 U R	360 U J	780 U	750 U	150 J	760 U	
Indeno(1,2,3-cd)pyrene	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
Dibenz(a,h)anthracene	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	
Benzo(g,h,i)perylene	ug/kg	730 U R	360 U J	780 U	750 U	800 U	760 U	

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VALIDATED RESULTS-PHASE 1

COMPOUND	MATRIX LOCATION DEPTH DATE ES ID LAB ID UNITS	SOIL GB-03 0-2' 12/04/91 GB03-2 150186	SOIL GB-3 0-2' 12/04/91 GB03-2RE 150186	SOIL GB-04 0-6" 12/06/91 GB04-1 150383	SOIL GB-04 6' + 12/05/91 GB04-5 150387	SOIL GB-05 0-6" 12/06/91 GB05-1 150388	SOIL GB-05 0-2' 12/05/91 GB05-2 150389	SOIL GB-05 2-4' 12/05/91 GB-5-3 150390
Pesticides/PCBs								
alpha-BHC	ug/kg	18 U		19 U	18 U	19 U	18 U	
beta-BHC	ug/kg	18 U		19 U	18 U	19 U	18 U	
delta-BHC	ug/kg	18 U		19 U	18 U	19 U	18 U	
gamma-BHC (Lindane)	ug/kg	18 U		19 U	18 U	19 U	18 U	
Heptachlor	ug/kg	18 U		19 U	18 U	19 U	18 U	
Aldrin	ug/kg	18 U		19 U	18 U	19 U	18 U	
Heptachlor epoxide	ug/kg	18 U		19 U	18 U	19 U	18 U	
Endosulfan I	ug/kg	18 U		19 U	18 U	19 U	18 U	
Dieldrin	ug/kg	35 U		38 U	36 U	39 U	37 U	
4,4'-DDE	ug/kg	35 U		38 U	36 U	39 U	37 U	
Endrin	ug/kg	35 U		38 U	36 U	39 U	37 U	
Endosulfan II	ug/kg	35 U		38 U	36 U	39 U	37 U	
4,4'-DDD	ug/kg	35 U		38 U	36 U	39 U	37 U	
Endosulfan sulfate	ug/kg	35 U		38 U	36 U	39 U	37 U	
4,4'-DDT	ug/kg	35 U		38 U	36 U	39 U	37 U	
Methoxychlor	ug/kg	180 U		190 U	180 U	190 U	180 U	
Endrin ketone	ug/kg	35 U		38 U	36 U	39 U	37 U	
Endrin aldehyde	ug/Kg							
alpha-Chlordane	ug/kg	180 U		190 U	180 U	190 U	180 U	
gamma-Chlordane	ug/kg	180 U		190 U	180 U	190 U	180 U	
Toxaphene	ug/kg	350 U		360 U	360 U	390 U	370 U	
Aroclor-1016	ug/kg	180 U		190 U	180 U	190 U	180 U	
Aroclor-1221	ug/kg	180 U		190 U	180 U	190 U	180 U	
Aroclor-1232	ug/kg	180 U		190 U	180 U	190 U	180 U	
Aroclor-1242	ug/kg	180 U		190 U	180 U	190 U	180 U	
Aroclor-1248	ug/kg	180 U		190 U	180 U	190 U	180 U	
Aroclor-1254	ug/kg	350 U		360 U	360 U	390 U	370 U	
Aroclor-1260	ug/kg	350 U		360 U	360 U	390 U	370 U	

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VALIDATED RESULTS–PHASE 1

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-03	GB-3	GB-04	GB-04	GB-05	GB-05	GB-05
	DEPTH	0-2'	0-2'	0-6"	6' +	0-6"	0-2'	2-4'
	DATE	12/04/91	12/04/91	12/06/91	12/05/91	12/06/91	12/05/91	12/05/91
	ES ID	GB03-2	GB03-2RE	GB04-1	GB04-5	GB05-1	GB05-2	GB-5-3
	LAB ID	150186	150186	150383	150387	150388	150389	150390
	UNITS							
Explosives								
HMX	ug/kg	1100 U J	980 U J	1000 U	980 U	1000 U	970 U	
RDX	ug/kg	140 U J	120 U J	120 U	120 U	120 U	120 U	
1,3,5-Trinitrobenzene	ug/kg	280 J	150 J	120 U	120 U	120 U	120 U	
1,3-Dinitrobenzene	ug/kg	140 U J	120 U J	120 U	120 U	120 U	120 U	
Tetryl	ug/kg	440 U J	390 U J	400 U	390 U	400 U	390 U	
2,4,6-Trinitrotoluene	ug/kg	69 J	120 U J	120 U	120 U	120 U	120 U	
4-amino-2,6-Dinitrotoluene	ug/kg	280 J	200 J	120 U	120 U	120 U	120 U	
2-amino-4,6-Dinitrotoluene	ug/kg	300 J	200 J	120 U	120 U	120 U	120 U	
2,6-Dinitrotoluene	ug/kg	140 U J	120 U J	67 J	120 U	120 U	120 U	
2,4-Dinitrotoluene	ug/kg	850 J	630 J	120 U	120 U	120 U	120 U	
Metals								
Aluminum	mg/kg	14700		18500	15400	16100		10100
Antimony	mg/kg	9.8 U R		8 U R	11.5 U R	8.2 U R		12.6 U R
Arsenic	mg/kg	6.1		5.1	3.8	5.8		3.1
Barium	mg/kg	819		131	63.6	227		73.9
Beryllium	mg/kg	0.9 R		0.91 R	1 R	0.7 R		0.81 R
Cadmium	mg/kg	3.5		2.4	2.6	3.7		1.8
Calcium	mg/kg	22200		17700	2160	61600		90400
Chromium	mg/kg	29.7		27.9	28.6	31.6		18.1
Cobalt	mg/kg	10.6		15.1	15.9	11.8		5.1 J
Copper	mg/kg	108		34.1	34.5	730		16
Iron	mg/kg	27600		32200	34100	26700		19700
Lead	mg/kg	252		38.1	18.1	187		12.4
Magnesium	mg/kg	8070		7290	7010	11200		9360
Manganese	mg/kg	499		516	336	503		263
Mercury	mg/kg	0.14		0.04 U	0.04 U	0.04 U		0.04 U
Nickel	mg/kg	39.1		47	55.5	36.6		28.3
Potassium	mg/kg	1760		2540	1580	2150		1450
Selenium	mg/kg	0.42 J		0.12 U J	0.22 U J	0.24 U J		0.2 J
Silver	mg/kg	1.6 J		1.3 U	1.9 U	1.3 U		2 U
Sodium	mg/kg	98.8 J		78.9 J	66.7 U	160 J		142 J
Thallium	mg/kg	0.63 U		0.38 U	0.71 U	0.75 U		0.52 U
Vanadium	mg/kg	18.1		27.3	19.8	25.7		18.8
Zinc	mg/kg	445		141	51	332		56
Cyanide	mg/kg	0.58 U		0.65 U	0.6 U	0.62 U		0.69 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VALIDATED RESULTS-PHASE 1

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-06	GB-06	GB-07	GB-7	GB-07	GB-08	GB-08
	DEPTH	0-6"	6'+	0-6"	0-6"	0-2'	0-6"	0-6"
	DATE	12/06/91	12/06/91	12/09/91	12/09/91	12/09/91	12/09/91	12/09/91
	ES ID	GB06-1	GB06-5	GB-07-1	GB-07-1RE	GB-07-2	GB-08-1	GB-08-1RE
	LAB ID	150391	150395	150573	150573	150574	150577	150577
	UNITS							
Volatile Organic Compounds								
Chloromethane	ug/kg	12 U	13 U	11 U		12 U	12 U J	12 U J
Bromomethane	ug/kg	12 U	13 U	11 U		12 U	12 U J	12 U J
Vinyl Chloride	ug/kg	12 U	13 U	11 U		12 U	12 U J	12 U J
Chloroethane	ug/kg	12 U	13 U	11 U		12 U	12 U J	12 U J
Methylene Chloride	ug/kg	6 U	6 U	6 U		6 U	6 U J	6 U J
Acetone	ug/kg	12 U	13 U	11 U		12 U	12 U J	12 U J
Carbon Disulfide	ug/kg	6 U	6 U	6 U		6 U	6 U J	6 U J
1,1-Dichloroethene	ug/kg	6 U	6 U	6 U		6 U	6 U J	6 U J
1,1-Dichloroethane	ug/kg	6 U	6 U	6 U		6 U	6 U J	6 U J
1,2-Dichloroethene (total)	ug/kg	6 U	6 U	6 U		6 U	6 U J	6 U J
Chloroform	ug/kg	6 U	6 U	6 U		6 U	13 J	6 U J
1,2-Dichloroethane	ug/kg	6 U	6 U	6 U		6 U	6 U J	6 U J
2-Butanone	ug/kg	12 U	13 U	11 U		12 U	12 U J	12 U J
1,1,1-Trichloroethane	ug/kg	6 U	6 U	6 U		6 U	6 U J	6 U J
Carbon Tetrachloride	ug/kg	6 U	6 U	6 U		6 U	6 U J	6 U J
Vinyl Acetate	ug/kg	12 U	13 U	11 U		12 U	12 U J	12 U J
Bromodichloromethane	ug/kg	6 U	6 U	6 U		6 U	6 U J	6 U J
1,2-Dichloropropane	ug/kg	6 U	6 U	6 U		6 U	6 U J	6 U J
cis-1,3-Dichloropropene	ug/kg	6 U	6 U	6 U		6 U	6 U J	6 U J
Trichloroethene	ug/kg	6 U	6 U	6 U		6 U	6 U J	6 U J
Dibromochloromethane	ug/kg	6 U	6 U	6 U		6 U	6 U J	6 U J
1,1,2-Trichloroethane	ug/kg	6 U	6 U	6 U		6 U	6 U J	6 U J
Benzene	ug/kg	6 U	6 U	6 U		6 U	6 U J	6 U J
trans-1,3-Dichloropropene	ug/kg	6 U	6 U	6 U		6 U	6 U J	6 U J
Bromoform	ug/kg	6 U	6 U	6 U		6 U	6 U J	6 U J
4-Methyl-2-Pentanone	ug/kg	12 U	13 U	11 U		12 U	12 U J	12 U J
2-Hexanone	ug/kg	12 U	13 U	11 U		12 U	12 U J	12 U J
Tetrachloroethene	ug/kg	6 U	6 U	6 U		6 U	2 J	13 J
1,1,2,2-Tetrachloroethane	ug/kg	6 U	6 U	6 U		6 U	6 U J	6 U J
Toluene	ug/kg	6 U	6 U	6 U		6 U	6 U J	6 U J
Chlorobenzene	ug/kg	6 U	6 U	6 U		6 U	6 U J	6 U J
Ethylbenzene	ug/kg	6 U	6 U	6 U		6 U	6 U J	6 U J
Styrene	ug/kg	6 U	6 U	6 U		6 U	6 U J	6 U J
Xylene (total)	ug/kg	6 U	6 U	6 U		6 U	6 U J	6 U J

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VALIDATED RESULTS-PHASE 1

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-06	GB-06	GB-07	GB-7	GB-07	GB-08	GB-08
	DEPTH	0-6"	6'+	0-6"	0-6"	0-2'	0-6"	0-6"
	DATE	12/06/91	12/06/91	12/09/91	12/09/91	12/09/91	12/09/91	12/09/91
	ES ID	GB06-1	GB06-5	GB-07-1	GB-07-1RE	GB-07-2	GB-08-1	GB-08-1RE
	LAB ID	150391	150395	150573	150573	150574	150577	150577
	UNITS							
Semivolatiles								
Phenol	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
bis(2-Chloroethyl) ether	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
2-Chlorophenol	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
1,3-Dichlorobenzene	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
1,4-Dichlorobenzene	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
Benzyl Alcohol	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
1,2-Dichlorobenzene	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
2-Methylphenol	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
2,2'-oxybis(1-Chloropropane)	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
4-Methylphenol	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
N-Nitroso-di-n-propylamine	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
Hexachloroethane	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
Nitrobenzene	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
Isophorone	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
2-Nitrophenol	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
2,4-Dimethylphenol	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
Benzoic acid	ug/kg	3800 U	3900 U	4000 U R	2000 U J	3700 U	4100 U R	2000 U J
bis(2-Chloroethoxy) methane	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
2,4-Dichlorophenol	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
1,2,4-Trichlorobenzene	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
Naphthalene	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
4-Chloroaniline	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
Hexachlorobutadiene	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
4-Chloro-3-methylphenol	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
2-Methylnaphthalene	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
Hexachlorocyclopentadiene	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
2,4,6-Trichlorophenol	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
2,4,5-Trichlorophenol	ug/kg	3800 U	3900 U	4000 U R	2000 U J	3700 U	4100 U R	2000 U J
2-Chloronaphthalene	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
2-Nitroaniline	ug/kg	3800 U	3900 U	4000 U R	2000 U J	3700 U	4100 U R	2000 U J
Dimethylphthalate	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
Acenaphthylene	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
2,6-Dinitrotoluene	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
3-Nitroaniline	ug/kg	3800 U	3900 U	4000 U R	2000 U J	3700 U	4100 U R	2000 U J
Acenaphthene	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
2,4-Dinitrophenol	ug/kg	3800 U	3900 U	4000 U R	2000 U J	3700 U	4100 U R	2000 U J
4-Nitrophenol	ug/kg	3800 U	3900 U	4000 U R	2000 U J	3700 U	4100 U R	2000 U J
Dibenzofuran	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
2,4-Dinitrotoluene	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	780 J
Diethylphthalate	ug/kg	780 U	800 U	830 U R	410 U J	94 J	840 U R	410 U J
4-Chlorophenyl-phenylether	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
Fluorene	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
4-Nitroaniline	ug/kg	3800 U	3900 U	4000 U R	2000 U J	3700 U	4100 U R	2000 U J
4,6-Dinitro-2-methylphenol	ug/kg	3800 U	3900 U	4000 U R	2000 U J	3700 U	4100 U R	2000 U J
N-Nitrosodiphenylamine	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	260 J
4-Bromophenyl-phenylether	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
Hexachlorobenzene	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	90 J
Pentachlorophenol	ug/kg	3800 U	3900 U	4000 U R	2000 U J	3700 U	4100 U R	2000 U J
Phenanthrene	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
Anthracene	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
Carbazole	ug/kg							
Di-n-butylphthalate	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	73 J
Fluoranthene	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
Pyrene	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
Butylbenzylphthalate	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
3,3'-Dichlorobenzidine	ug/kg	1600 U	1600 U	1700 U R	820 U J	1500 U	1700 U R	830 U J
Benzo(a)anthracene	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
Chrysene	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
bis(2-Ethylhexyl)phthalate	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
Di-n-octylphthalate	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
Benzo(b)fluoranthene	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
Benzo(k)fluoranthene	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
Benzo(a)pyrene	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
Indeno(1,2,3-cd)pyrene	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
Dibenz(a,h)anthracene	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J
Benzo(g,h,i)perylene	ug/kg	780 U	800 U	830 U R	410 U J	770 U	840 U R	410 U J

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VALIDATED RESULTS-PHASE 1

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-06	GB-06	GB-07	GB-7	GB-07	GB-08	GB-08
	DEPTH	0-6"	6'+	0-6"	0-6"	0-2'	0-6"	0-6"
	DATE	12/06/91	12/06/91	12/09/91	12/09/91	12/09/91	12/09/91	12/09/91
	ES ID	GB06-1	GB06-5	GB-07-1	GB-07-1RE	GB-07-2	GB-08-1	GB-08-1RE
COMPOUND	LAB ID	150391	150395	150573	150573	150574	150577	150577
	UNITS							
Pesticides/PCBs								
alpha-BHC	ug/kg	19 U	19 U	20 U		19 U	20 U	
beta-BHC	ug/kg	19 U	19 U	20 U		19 U	20 U	
delta-BHC	ug/kg	19 U	19 U	20 U		19 U	20 U	
gamma-BHC (Lindane)	ug/kg	19 U	19 U	20 U		19 U	20 U	
Heptachlor	ug/kg	19 U	19 U	20 U		19 U	20 U	
Aldrin	ug/kg	19 U	19 U	20 U		19 U	20 U	
Heptachlor epoxide	ug/kg	19 U	19 U	20 U		19 U	20 U	
Endosulfan I	ug/kg	19 U	19 U	20 U		19 U	20 U	
Dieldrin	ug/kg	38 U	39 U	40 U		37 U	41 U	
4,4'-DDE	ug/kg	38 U	39 U	40 U		37 U	41 U	
Endrin	ug/kg	38 U	39 U	40 U		37 U	41 U	
Endosulfan II	ug/kg	38 U	39 U	40 U		37 U	41 U	
4,4'-DDD	ug/kg	38 U	39 U	40 U		37 U	41 U	
Endosulfan sulfate	ug/kg	38 U	39 U	40 U		37 U	41 U	
4,4'-DDT	ug/kg	38 U	39 U	40 U		37 U	41 U	
Methoxychlor	ug/kg	190 U	190 U	200 U		190 U	200 U	
Endrin ketone	ug/kg	38 U	39 U	40 U		37 U	41 U	
Endrin aldehyde	ug/Kg							
alpha-Chlordane	ug/kg	190 U	190 U	200 U		190 U	200 U	
gamma-Chlordane	ug/kg	190 U	190 U	200 U		190 U	200 U	
Toxaphene	ug/kg	380 U	390 U	400 U		370 U	410 U	
Aroclor-1016	ug/kg	190 U	190 U	200 U		190 U	200 U	
Aroclor-1221	ug/kg	190 U	190 U	200 U		190 U	200 U	
Aroclor-1232	ug/kg	190 U	190 U	200 U		190 U	200 U	
Aroclor-1242	ug/kg	190 U	190 U	200 U		190 U	200 U	
Aroclor-1248	ug/kg	190 U	190 U	200 U		190 U	200 U	
Aroclor-1254	ug/kg	380 U	390 U	400 U		370 U	410 U	
Aroclor-1260	ug/kg	380 U	390 U	400 U		370 U	240 J	

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VALIDATED RESULTS-PHASE 1

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-06	GB-06	GB-07	GB-7	GB-07	GB-08	GB-08
	DEPTH	0-6"	6'+	0-6"	0-6"	0-2'	0-6"	0-6"
	DATE	12/06/91	12/06/91	12/09/91	12/09/91	12/09/91	12/09/91	12/09/91
	ES ID	GB06-1	GB06-5	GB-07-1	GB-07-1RE	GB-07-2	GB-08-1	GB-08-1RE
COMPOUND	LAB ID	150391	150395	150573	150573	150574	150577	150577
	UNITS							
Explosives								
HMX	ug/kg	1000 U	960 U	1000 U			1000 U	
RDX	ug/kg	120 U	120 U	120 U			120 U	
1,3,5-Trinitrobenzene	ug/kg	120 U	120 U	120 U			120 U	
1,3-Dinitrobenzene	ug/kg	120 U	120 U	120 U			120 U	
Tetryl	ug/kg	400 U	380 U	400 U			400 U	
2,4,6-Trinitrotoluene	ug/kg	120 U	120 U	120 U			120 U	
4-amino-2,6-Dinitrotoluene	ug/kg	120 U	120 U	120 U			86 J	
2-amino-4,6-Dinitrotoluene	ug/kg	120 U	120 U	120 U			94 J	
2,6-Dinitrotoluene	ug/kg	120 U	120 U	120 U			120 U	
2,4-Dinitrotoluene	ug/kg	120 U	120 U	120 U			120 U	
Metals								
Aluminum	mg/kg	21200	18300	17100		12800	16800	
Antimony	mg/kg	6.7 U R	12 U R	13.1 U R		11.4 U R	13.1 U R	
Arsenic	mg/kg	5.2	4.6	5.9		2.8	4.8	
Barium	mg/kg	103	94.1	199		69.2	348	
Beryllium	mg/kg	0.75 R	1.2 R	1.4 R		0.9 R	1.2 R	
Cadmium	mg/kg	1.8	2.8	2.7		1.8	3.2	
Calcium	mg/kg	2580	22700	11100		83500	5490	
Chromium	mg/kg	23.2	31.6	26.1		21.9	26.1	
Cobalt	mg/kg	10.2	25.9	21.7		10.9	11 J	
Copper	mg/kg	15.7	37.3	74.5		26.5	91.3	
Iron	mg/kg	26900	39700	36800		25100	32200	
Lead	mg/kg	12.4	22	110		18.1	184	
Magnesium	mg/kg	4360	7720	8270		13300	5380	
Manganese	mg/kg	242	1110	1650		404	533	
Mercury	mg/kg	0.05 U	0.05 U	0.07 J		0.05 U	0.32	
Nickel	mg/kg	49.6	69.3	47.3		36.2	37.4	
Potassium	mg/kg	1510	1560	1540		1460	1900	
Selenium	mg/kg	0.15 U J	0.13 U J	0.15 U J		0.12 U J	0.38 J	
Silver	mg/kg	1.1 U	2 U	2.1 U		1.8 U	2.1 U	
Sodium	mg/kg	54.5 J	69.5 U	76 U		99.4 J	75.7 U	
Thallium	mg/kg	0.46 U	0.41 U	0.49 U		0.37 U	0.68 U	
Vanadium	mg/kg	32.3	19.3	26.2		21	28.4	
Zinc	mg/kg	69.9	90.8	99.4		71.2	404	
Cyanide	mg/kg	0.63 U	0.7 U	0.7 U		0.65 U	0.67 U	

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VALIDATED RESULTS-PHASE 1

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-08	GB-09	GB-9	GB-09	GB-10	GB-10	GB-11
	DEPTH	4-6'	0-6"	0-6"	2-4'	0-6"	2-4'	0-6"
	DATE	12/09/91	12/10/91	12/10/91	12/10/91	12/11/91	12/11/91	12/10/91
	ES ID	GB-08-4	GB-09-1	GB-09-1RE	GB-09-3	GB-10-1	GB-10-3	GB-11-1
	LAB ID	150580	150582	150582	150584	150780	150782	150682
	UNITS							
Volatile Organic Compounds								
Chloromethane	ug/kg	11 U	12 U		11 U	12 U	12 U	13 U
Bromomethane	ug/kg	11 U	12 U		11 U	12 U	12 U	13 U
Vinyl Chloride	ug/kg	11 U	12 U		11 U	12 U	12 U	13 U
Chloroethane	ug/kg	11 U	12 U		11 U	12 U	12 U	13 U
Methylene Chloride	ug/kg	6 U	6 U		6 U	6 U	6 U	6 U
Acetone	ug/kg	11 U	12 U		11 U	12 U	12 U	13 U
Carbon Disulfide	ug/kg	6 U	6 U		6 U	6 U	6 U	6 U
1,1-Dichloroethene	ug/kg	6 U	6 U		6 U	6 U	6 U	6 U
1,1-Dichloroethane	ug/kg	6 U	6 U		6 U	6 U	6 U	6 U
1,2-Dichloroethene (total)	ug/kg	6 U	6 U		6 U	6 U	6 U	6 U
Chloroform	ug/kg	6 U	6 U		6 U	6 U	6 U	6 U
1,2-Dichloroethane	ug/kg	6 U	6 U		6 U	6 U	6 U	6 U
2-Butanone	ug/kg	11 U	12 U		11 U	12 U	12 U	13 U
1,1,1-Trichloroethane	ug/kg	6 U	6 U		6 U	6 U	6 U	6 U
Carbon Tetrachloride	ug/kg	6 U	6 U		6 U	6 U	6 U	6 U
Vinyl Acetate	ug/kg	11 U	12 U		11 U	12 U	12 U	13 U
Bromodichloromethane	ug/kg	6 U	6 U		6 U	6 U	6 U	6 U
1,2-Dichloropropane	ug/kg	6 U	6 U		6 U	6 U	6 U	6 U
cis-1,3-Dichloropropene	ug/kg	6 U	6 U		6 U	6 U	6 U	6 U
Trichloroethene	ug/kg	6 U	6 U		6 U	6 U	6 U	6 U
Dibromochloromethane	ug/kg	6 U	6 U		6 U	6 U	6 U	6 U
1,1,2-Trichloroethane	ug/kg	6 U	6 U		6 U	6 U	6 U	6 U
Benzene	ug/kg	6 U	6 U		6 U	6 U	6 U	6 U
trans-1,3-Dichloropropene	ug/kg	6 U	6 U		6 U	6 U	6 U	6 U
Bromoform	ug/kg	6 U	6 U		6 U	6 U	6 U	6 U
4-Methyl-2-Pentanone	ug/kg	11 U	12 U		11 U	12 U	12 U	13 U
2-Hexanone	ug/kg	11 U	12 U		11 U	12 U	12 U	13 U
Tetrachloroethene	ug/kg	6 U	6 U		6 U	6 U	6 U	6 U
1,1,2,2-Tetrachloroethane	ug/kg	6 U	6 U		6 U	6 U	6 U	6 U
Toluene	ug/kg	6 U	6 U		6 U	6 U	6 U	6 U
Chlorobenzene	ug/kg	6 U	6 U		6 U	6 U	6 U	6 U
Ethylbenzene	ug/kg	6 U	6 U		6 U	6 U	6 U	6 U
Styrene	ug/kg	6 U	6 U		6 U	6 U	6 U	6 U
Xylene (total)	ug/kg	6 U	6 U		6 U	6 U	6 U	6 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VALIDATED RESULTS-PHASE 1

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
LOCATION		GB-08	GB-09	GB-9	GB-09	GB-10	GB-10	GB-11
DEPTH		4-6'	0-6"	0-6"	2-4'	0-6"	2-4'	0-6"
DATE		12/09/91	12/10/91	12/10/91	12/10/91	12/11/91	12/11/91	12/10/91
ES ID		GB-08-4	GB-09-1	GB-09-1RE	GB-09-3	GB-10-1	GB-10-3	GB-11-1
LAB ID		150580	150582	150582	150584	150780	150782	150682
UNITS								
Semivolatiles								
Phenol	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
bis(2-Chloroethyl) ether	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
2-Chlorophenol	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
1,3-Dichlorobenzene	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
1,4-Dichlorobenzene	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
Benzyl Alcohol	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
1,2-Dichlorobenzene	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
2-Methylphenol	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
2,2'-oxybis(1-Chloropropane)	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
4-Methylphenol	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
N-Nitroso-di-n-propylamine	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
Hexachloroethane	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
Nitrobenzene	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
Isophorone	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
2-Nitrophenol	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
2,4-Dimethylphenol	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
Benzoic acid	ug/kg	3700 U	4000 U R	2000 U J	3600 U	3800 U	3500 U	4100 U J
bis(2-Chloroethoxy) methane	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
2,4-Dichlorophenol	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
1,2,4-Trichlorobenzene	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
Naphthalene	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
4-Chloroaniline	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
Hexachlorobutadiene	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
4-Chloro-3-methylphenol	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
2-Methylnaphthalene	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
Hexachlorocyclopentadiene	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
2,4,6-Trichlorophenol	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
2,4,5-Trichlorophenol	ug/kg	3700 U	4000 U R	2000 U J	3600 U	3800 U	3500 U	4100 U J
2-Chloronaphthalene	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
2-Nitroaniline	ug/kg	3700 U	4000 U R	2000 U J	3600 U	3800 U	3500 U	4100 U J
Dimethylphthalate	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
Acenaphthylene	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
2,6-Dinitrotoluene	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
3-Nitroaniline	ug/kg	3700 U	4000 U R	2000 U J	3600 U	3800 U	3500 U	4100 U J
Acenaphthene	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
2,4-Dinitrophenol	ug/kg	3700 U	4000 U R	2000 U J	3600 U	3800 U	3500 U	4100 U J
4-Nitrophenol	ug/kg	3700 U	4000 U R	2000 U J	3600 U	3800 U	3500 U	4100 U J
Dibenzofuran	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
2,4-Dinitrotoluene	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
Diethylphthalate	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
4-Chlorophenyl-phenylether	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
Fluorene	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
4-Nitroaniline	ug/kg	3700 U	4000 U R	2000 U J	3600 U	3800 U	3500 U	4100 U J
4,6-Dinitro-2-methylphenol	ug/kg	3700 U	4000 U R	2000 U J	3600 U	3800 U	3500 U	4100 U J
N-Nitrosodiphenylamine	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
4-Bromophenyl-phenylether	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
Hexachlorobenzene	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
Pentachlorophenol	ug/kg	3700 U	4000 U R	2000 U J	3600 U	3800 U	3500 U	4100 U J
Phenanthrene	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
Anthracene	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
Carbazole	ug/kg							
Di-n-butylphthalate	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
Fluoranthene	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
Pyrene	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
Butylbenzylphthalate	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
3,3'-Dichlorobenzidine	ug/kg	1500 U	1600 U R	820 U J	1500 U	1600 U	1500 U	1700 U J
Benzo(a)anthracene	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
Chrysene	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
bis(2-Ethylhexyl)phthalate	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
Di-n-octylphthalate	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
Benzo(b)fluoranthene	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
Benzo(k)fluoranthene	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
Benzo(a)pyrene	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
Indeno(1,2,3-cd)pyrene	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
Dibenz(a,h)anthracene	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J
Benzo(g,h,i)perylene	ug/kg	760 U	820 U R	410 U J	730 U	790 U	730 U	850 U J

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VALIDATED RESULTS-PHASE 1

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-08	GB-09	GB-9	GB-09	GB-10	GB-10	GB-11
	DEPTH	4-6'	0-6"	0-6"	2-4'	0-6"	2-4'	0-6"
	DATE	12/09/91	12/10/91	12/10/91	12/10/91	12/11/91	12/11/91	12/10/91
	ES ID	GB-08-4	GB-09-1	GB-09-1RE	GB-09-3	GB-10-1	GB-10-3	GB-11-1
COMPOUND	LAB ID	150580	150582	150582	150584	150780	150782	150682
	UNITS							
Pesticides/PCBs								
alpha-BHC	ug/kg	18 U	20 U		18 U	19 U	18 U	21 U
beta-BHC	ug/kg	18 U	20 U		18 U	19 U	18 U	21 U
delta-BHC	ug/kg	18 U	20 U		18 U	19 U	18 U	21 U
gamma-BHC (Lindane)	ug/kg	18 U	20 U		18 U	19 U	18 U	21 U
Heptachlor	ug/kg	18 U	20 U		18 U	19 U	18 U	21 U
Aldrin	ug/kg	18 U	20 U		18 U	19 U	18 U	21 U
Heptachlor epoxide	ug/kg	18 U	20 U		18 U	19 U	18 U	21 U
Endosulfan I	ug/kg	18 U	20 U		18 U	19 U	18 U	21 U
Dieldrin	ug/kg	37 U	40 U		36 U	38 U	35 U	41 U
4,4'-DDE	ug/kg	37 U	40 U		36 U	38 U	35 U	41 U
Endrin	ug/kg	37 U	40 U		36 U	38 U	35 U	41 U
Endosulfan II	ug/kg	37 U	40 U		36 U	38 U	35 U	41 U
4,4'-DDD	ug/kg	37 U	40 U		36 U	38 U	35 U	41 U
Endosulfan sulfate	ug/kg	37 U	40 U		36 U	38 U	35 U	41 U
4,4'-DDT	ug/kg	37 U	40 U		36 U	38 U	35 U	41 U
Methoxychlor	ug/kg	180 U	200 U		180 U	190 U	180 U	210 U
Endrin ketone	ug/kg	37 U	40 U		36 U	38 U	35 U	41 U
Endrin aldehyde	ug/Kg							
alpha-Chlordane	ug/kg	180 U	200 U		180 U	190 U	180 U	210 U
gamma-Chlordane	ug/kg	180 U	200 U		180 U	190 U	180 U	210 U
Toxaphene	ug/kg	370 U	400 U		360 U	380 U	350 U	410 U
Aroclor-1016	ug/kg	180 U	200 U		180 U	190 U	180 U	210 U
Aroclor-1221	ug/kg	180 U	200 U		180 U	190 U	180 U	210 U
Aroclor-1232	ug/kg	180 U	200 U		180 U	190 U	180 U	210 U
Aroclor-1242	ug/kg	180 U	200 U		180 U	190 U	180 U	210 U
Aroclor-1248	ug/kg	180 U	200 U		180 U	190 U	180 U	210 U
Aroclor-1254	ug/kg	370 U	400 U		360 U	380 U	350 U	410 U
Aroclor-1260	ug/kg	370 U	400 U		360 U	380 U	350 U	410 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VALIDATED RESULTS–PHASE 1

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-08	GB-09	GB-9	GB-09	GB-10	GB-10	GB-11
	DEPTH	4-6'	0-6"	0-6"	2-4'	0-6"	2-4'	0-6"
	DATE	12/09/91	12/10/91	12/10/91	12/10/91	12/11/91	12/11/91	12/10/91
	ES ID	GB-08-4	GB-09-1	GB-09-1RE	GB-09-3	GB-10-1	GB-10-3	GB-11-1
	LAB ID	150580	150582	150582	150584	150780	150782	150682
	UNITS							
Explosives								
HMX	ug/kg		1000 U			1000 U	1000 U	1000 U
RDX	ug/kg		120 U			120 U	120 U	120 U
1,3,5-Trinitrobenzene	ug/kg		120 U			120 U	120 U	120 U
1,3-Dinitrobenzene	ug/kg		120 U			120 U	120 U	120 U
Tetryl	ug/kg		400 U			400 U	400 U	400 U
2,4,6-Trinitrotoluene	ug/kg		120 U			120 U	120 U	120 U
4-amino-2,6-Dinitrotoluene	ug/kg		120 U			120 U	120 U	120 U
2-amino-4,6-Dinitrotoluene	ug/kg		120 U			120 U	120 U	120 U
2,6-Dinitrotoluene	ug/kg		120 U			120 U	120 U	120 U
2,4-Dinitrotoluene	ug/kg		120 U			120 U	120 U	120 U
Metals								
Aluminum	mg/kg	16500	17700		14000	25300	16700	24600
Antimony	mg/kg	11.3 U R	13.3 U R		11.6 U R	12.2 U R	5.4 U R	10.8 U R
Arsenic	mg/kg	4.1	4.6		3.7	6.8 J	3.5 J	5.5 J
Barium	mg/kg	169	131		166	208 J	81.3 J	154 J
Beryllium	mg/kg	1.1 R	1.2 R		0.94 R	1.1 R	0.79 R	1.3 R
Cadmium	mg/kg	2	3.2		2.3	3.4	3.4	3.6
Calcium	mg/kg	31700	6040		74700	4480 J	60300 J	3630 J
Chromium	mg/kg	24.5	25.2		23.7	30.2	25.6	32.3
Cobalt	mg/kg	8.8 J	11.9 J		26.6	10.3 J	16.1	17.4
Copper	mg/kg	37.8	77.6		30.9	29.6 J	23 J	24.8
Iron	mg/kg	27900	32000		30000	30800 J	31600 J	36900 J
Lead	mg/kg	182	31.7		14.4	35.2	18	14.1
Magnesium	mg/kg	6950	5500		9370	6870	8660	5730
Manganese	mg/kg	471	663		1550	581	545	841
Mercury	mg/kg	0.11 J	0.96		0.04 U	0.05 J	0.04 U	0.05 U
Nickel	mg/kg	37.2	37.9		58.7	34.8	46.1	46.6
Potassium	mg/kg	2400	2050		1880	3140	1470	2480
Selenium	mg/kg	0.1 U J	0.2 J		0.11 U J	0.16 U J	0.11 U J	0.2 U J
Silver	mg/kg	1.8 U	2.2 U		1.9 U	2 U	0.88 U	1.8 U
Sodium	mg/kg	92 J	77.1 U		133 J	101 J	110 J	62.6 U
Thallium	mg/kg	0.32 U	0.43 U		0.34 U	0.5 U	0.34 U	0.64 U
Vanadium	mg/kg	25	26.8		21.6	38.6	20.3	36.3
Zinc	mg/kg	123	397		120	79.2 J	65.6 J	96.1 J
Cyanide	mg/kg	0.66 U	0.74 U		0.63 U	0.73 U	0.63 U	0.7 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VALIDATED RESULTS-PHASE 1

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-11	GB-11	GB-12	GB-12	GB-12	GB-12	GB-12
	DEPTH	0-6"	2-4'	0-6"	0-6"	0-2'	0-2'	0-2'
	DATE	12/10/91	12/10/91	12/16/91	12/16/91	12/16/91	12/16/91	12/16/91
	ES ID	GB-11-1RE	GB-11-3	GB-12-1	GB-12-1A	GB-12-2	GB-12-2RE	GB-12-2A
	LAB ID	150882	150884	151121	151122	151123	151123	151124
	UNITS							
Volatile Organic Compounds								
Chloromethane	ug/kg		11 U	12 U	12 U	12 U		13 U
Bromomethane	ug/kg		11 U	12 U	12 U	12 U		13 U
Vinyl Chloride	ug/kg		11 U	12 U	12 U	12 U		13 U
Chloroethane	ug/kg		11 U	12 U	12 U	12 U		13 U
Methylene Chloride	ug/kg		5 U	6 U	6 U	6 U		6 U
Acetone	ug/kg		11 U	12 U	12 U	12 U		13 U
Carbon Disulfide	ug/kg		5 U	6 U	6 U	6 U		6 U
1,1-Dichloroethane	ug/kg		5 U	6 U	6 U	6 U		6 U
1,1-Dichloroethene	ug/kg		5 U	6 U	6 U	6 U		6 U
1,2-Dichloroethene (total)	ug/kg		5 U	6 U	6 U	6 U		6 U
Chloroform	ug/kg		5 U	6 U	8	6 U		6 U
1,2-Dichloroethane	ug/kg		5 U	6 U	6 U	6 U		6 U
2-Butanone	ug/kg		11 U	12 U	12 U	12 U		13 U
1,1,1-Trichloroethane	ug/kg		5 U	6 U	6 U	6 U		6 U
Carbon Tetrachloride	ug/kg		5 U	6 U	6 U	6 U		6 U
Vinyl Acetate	ug/kg		11 U	12 U	12 U	12 U		13 U
Bromodichloromethane	ug/kg		5 U	6 U	6 U	6 U		6 U
1,2-Dichloropropane	ug/kg		5 U	6 U	6 U	6 U		6 U
cis-1,3-Dichloropropene	ug/kg		5 U	6 U	6 U	6 U		6 U
Trichloroethene	ug/kg		5 U	6 U	3 J	6 U		6 U
Dibromochloromethane	ug/kg		5 U	6 U	6 U	6 U		6 U
1,1,2-Trichloroethane	ug/kg		5 U	6 U	6 U	6 U		6 U
Benzene	ug/kg		5 U	6 U	6 U	6 U		6 U
trans-1,3-Dichloropropene	ug/kg		5 U	6 U	6 U	6 U		6 U
Bromoform	ug/kg		5 U	6 U	6 U	6 U		6 U
4-Methyl-2-Pentanone	ug/kg		11 U	12 U	12 U	12 U		13 U
2-Hexanone	ug/kg		11 U	12 U	12 U	12 U		13 U
Tetrachloroethane	ug/kg		5 U	6 U	3 J	6 U		6 U
1,1,2,2-Tetrachloroethane	ug/kg		5 U	6 U	6 U	6 U		6 U
Toluene	ug/kg		5 U	6 U	6 U	6 U		6 U
Chlorobenzene	ug/kg		5 U	6 U	6 U	6 U		6 U
Ethylbenzene	ug/kg		5 U	6 U	6 U	6 U		6 U
Styrene	ug/kg		5 U	6 U	6 U	6 U		6 U
Xylene (total)	ug/kg		5 U	6 U	6 U	6 U		6 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VALIDATED RESULTS-PHASE 1

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-11	GB-11	GB-12	GB-12	GB-12	GB-12	GB-12
	DEPTH	0-6"	2-4'	0-6"	0-6"	0-2'	0-2'	0-2'
	DATE	12/10/91	12/10/91	12/16/91	12/16/91	12/16/91	12/16/91	12/16/91
	ES ID	GB-11-1RE	GB-11-3	GB-12-1	GB-12-1A	GB-12-2	GB-12-2RE	GB-12-2A
	LAB ID	150682	150684	151121	151122	151123	151123	151124
	UNITS							
Semivolatiles								
Phenol	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
bis(2-Chloroethyl) ether	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
2-Chlorophenol	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
1,3-Dichlorobenzene	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
1,4-Dichlorobenzene	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
Benzyl Alcohol	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
1,2-Dichlorobenzene	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
2-Methylphenol	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
2,2'-oxybis(1-Chloropropane)	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
4-Methylphenol	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
N-Nitroso-di-n-propylamine	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
Hexachloroethane	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
Nitrobenzene	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
Isophorone	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
2-Nitrophenol	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
2,4-Dimethylphenol	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
Benzoic acid	ug/kg	2000 U R	3400 U	3800 U	4000 U	3900 U J	3900 U R	3900 U
bis(2-Chloroethoxy) methane	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
2,4-Dichlorophenol	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
1,2,4-Trichlorobenzene	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
Naphthalene	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
4-Chloroaniline	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
Hexachlorobutadiene	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
4-Chloro-3-methylphenol	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
2-Methylnaphthalene	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
Hexachlorocyclopentadiene	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
2,4,6-Trichlorophenol	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
2,4,5-Trichlorophenol	ug/kg	2000 U R	3400 U	3800 U	4000 U	3900 U J	3900 U R	3900 U
2-Chloronaphthalene	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
2-Nitroaniline	ug/kg	2000 U R	3400 U	3800 U	4000 U	3900 U J	3900 U R	3900 U
Dimethylphthalate	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
Acenaphthylene	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
2,6-Dinitrotoluene	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
3-Nitroaniline	ug/kg	2000 U R	3400 U	3800 U	4000 U	3900 U J	3900 U R	3900 U
Acenaphthene	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
2,4-Dinitrophenol	ug/kg	2000 U R	3400 U	3800 U	4000 U	3900 U J	3900 U R	3900 U
4-Nitrophenol	ug/kg	2000 U R	3400 U	3800 U	4000 U	3900 U J	3900 U R	3900 U
Dibenzofuran	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
2,4-Dinitrotoluene	ug/kg	420 U R	700 U	130 J	820 U	810 U J	810 U R	790 U
Diethylphthalate	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
4-Chlorophenyl-phenylether	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
Fluorene	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
4-Nitroaniline	ug/kg	2000 U R	3400 U	3800 U	4000 U	3900 U J	3900 U R	3900 U
4,6-Dinitro-2-methylphenol	ug/kg	2000 U R	3400 U	3800 U	4000 U	3900 U J	3900 U R	3900 U
N-Nitrosodiphenylamine	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
4-Bromophenyl-phenylether	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
Hexachlorobenzene	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
Pentachlorophenol	ug/kg	2000 U R	3400 U	3800 U	4000 U	3900 U J	3900 U R	3900 U
Phenanthrene	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
Anthracene	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
Carbazole	ug/kg							
Di-n-butylphthalate	ug/kg	420 U R	700 U	490 J	460 J	86 J	810 U R	180 J
Fluoranthene	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
Pyrene	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
Butylbenzylphthalate	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
3,3'-Dichlorobenzidine	ug/kg	840 U R	1400 U	1600 U	1600 U	1600 U J	1600 U R	1600 U
Benzo(a)anthracene	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
Chrysene	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
bis(2-Ethylhexyl)phthalate	ug/kg	420 U R	700 U	260 J	820 U	810 U J	810 U R	790 U
Di-n-octylphthalate	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
Benzo(b)fluoranthene	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
Benzo(k)fluoranthene	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
Benzo(a)pyrene	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
Indeno(1,2,3-cd)pyrene	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
Dibenz(a,h)anthracene	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U
Benzo(g,h,i)perylene	ug/kg	420 U R	700 U	790 U	820 U	810 U J	810 U R	790 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VALIDATED RESULTS-PHASE 1

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-11	GB-11	GB-12	GB-12	GB-12	GB-12	GB-12
	DEPTH	0-6"	2-4'	0-6"	0-6"	0-2'	0-2'	0-2'
	DATE	12/10/91	12/10/91	12/16/91	12/16/91	12/16/91	12/16/91	12/16/91
	ES ID	GB-11-1RE	GB-11-3	GB-12-1	GB-12-1A	GB-12-2	GB-12-2RE	GB-12-2A
COMPOUND	LAB ID	150682	150684	151121	151122	151123	151123	151124
	UNITS							
Pesticides/PCBs								
alpha-BHC	ug/kg		17 U	19 U	20 U	20 U		19 U
beta-BHC	ug/kg		17 U	19 U	20 U	20 U		19 U
delta-BHC	ug/kg		17 U	19 U	20 U	20 U		19 U
gamma-BHC (Lindane)	ug/kg		17 U	19 U	20 U	20 U		19 U
Heptachlor	ug/kg		17 U	19 U	20 U	20 U		19 U
Aldrin	ug/kg		17 U	19 U	20 U	20 U		19 U
Heptachlor epoxide	ug/kg		17 U	19 U	20 U	20 U		19 U
Endosulfan I	ug/kg		17 U	19 U	20 U	20 U		19 U
Dieldrin	ug/kg		34 U	38 U	40 U	39 U		39 U
4,4'-DDE	ug/kg		34 U	38 U	40 U	39 U		39 U
Endrin	ug/kg		34 U	38 U	40 U	39 U		39 U
Endosulfan II	ug/kg		34 U	38 U	40 U	39 U		39 U
4,4'-DDD	ug/kg		34 U	38 U	40 U	39 U		39 U
Endosulfan sulfate	ug/kg		34 U	38 U	40 U	39 U		39 U
4,4'-DDT	ug/kg		34 U	38 U	40 U	39 U		39 U
Methoxychlor	ug/kg		170 U	190 U	200 U	200 U		190 U
Endrin ketone	ug/kg		34 U	38 U	40 U	39 U		39 U
Endrin aldehyde	ug/Kg							
alpha-Chlordane	ug/kg		170 U	190 U	200 U	200 U		190 U
gamma-Chlordane	ug/kg		170 U	190 U	200 U	200 U		190 U
Toxaphene	ug/kg		340 U	380 U	400 U	390 U		390 U
Aroclor-1016	ug/kg		170 U	190 U	200 U	200 U		190 U
Aroclor-1221	ug/kg		170 U	190 U	200 U	200 U		190 U
Aroclor-1232	ug/kg		170 U	190 U	200 U	200 U		190 U
Aroclor-1242	ug/kg		170 U	190 U	200 U	200 U		190 U
Aroclor-1248	ug/kg		170 U	190 U	200 U	200 U		190 U
Aroclor-1254	ug/kg		340 U	380 U	400 U	390 U		390 U
Aroclor-1260	ug/kg		340 U	380 U	400 U	390 U		390 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VALIDATED RESULTS-PHASE 1

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-11	GB-11	GB-12	GB-12	GB-12	GB-12	GB-12
	DEPTH	0-6"	2-4'	0-6"	0-6"	0-2'	0-2'	0-2'
	DATE	12/10/91	12/10/91	12/15/91	12/16/91	12/16/91	12/16/91	12/16/91
	ES ID	GB-11-1RE	GB-11-3	GB-12-1	GB-12-1A	GB-12-2	GB-12-2RE	GB-12-2A
	LAB ID	150682	150684	151121	151122	151123	151123	151124
	UNITS							
Explosives								
HMX	ug/kg	1000 U	1000 U	1000 U	1000 U		1000 U	
RDX	ug/kg	120 U	120 U	120 U	120 U		120 U	
1,3,5-Trinitrobenzene	ug/kg	120 U	120 U	120 U	120 U		120 U	
1,3-Dinitrobenzene	ug/kg	120 U	120 U	120 U	120 U		120 U	
Tetryl	ug/kg	400 U	400 U	400 U	400 U		400 U	
2,4,6-Trinitrotoluene	ug/kg	120 U	120 U	120 U	120 U		120 U	
4-amino-2,6-Dinitrotoluene	ug/kg	120 U	120 U	120 U	120 U		120 U	
2-amino-4,6-Dinitrotoluene	ug/kg	120 U	120 U	120 U	120 U		120 U	
2,6-Dinitrotoluene	ug/kg	120 U	120 U	120 U	120 U		120 U	
2,4-Dinitrotoluene	ug/kg	120 J	120 U	64 J	120 U		120 U	
Metals								
Aluminum	mg/kg	18000	13200	15200	19100		19700	
Antimony	mg/kg	5.4 U R	40 R	6.4 R	8 U R		8 U R	
Arsenic	mg/kg	7.1 J	4.8 J	4.7 J	4.6 J		4.2 J	
Barium	mg/kg	77.1 J	397 J	365 J	249 J		168 J	
Beryllium	mg/kg	0.97 R	0.74 R	0.87 R	0.79 R		0.84 R	
Cadmium	mg/kg	4	3	2.5	2.9		3.5	
Calcium	mg/kg	37800 J	3990 J	4450 J	2840 J		2850 J	
Chromium	mg/kg	29.1	23.1	23.4	23.3		26.5	
Cobalt	mg/kg	23.4	12.9	11.5	14.1		12.4	
Copper	mg/kg	26.5	345	233	79.9		89.8	
Iron	mg/kg	35400 J	30700 J	25800 J	26900 J		29900 J	
Lead	mg/kg	13.5	6230 J	872 J	171 J		185 J	
Magnesium	mg/kg	7830	4420	5230	4700		5540	
Manganese	mg/kg	874	582	585	359		423	
Mercury	mg/kg	0.04 U	0.06 J	0.08	0.05 J		0.05 J	
Nickel	mg/kg	55.3	30.1	36.1	26.6		33.9	
Potassium	mg/kg	1410	1000	1200	1580		1750	
Selenium	mg/kg	0.11 U J	0.19 J	0.13 J	0.22 J		0.16 J	
Silver	mg/kg	0.88 U	0.95 U	1 U	0.97 U		0.98 U	
Sodium	mg/kg	62.1 J	34 U	37.1 U	48.2 J		43.1 J	
Thallium	mg/kg	0.36 U	0.37 U	0.37 U	0.38 U		0.34 U	
Vanadium	mg/kg	21.4	19.7	22.6	29.5		27.4	
Zinc	mg/kg	102 J	284 J	232 J	112 J		138 J	
Cyanide	mg/kg	0.53 U	0.67 U	0.66 U	0.53 U		0.67 U	

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VALIDATED RESULTS-PHASE 1

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-13	GB-13	GB-13	GB-14	GB-14	GB-14	GB-14
	DEPTH	0-6"	0-6"	0-2'	0-6"	0-6"	0-6"	0-2'
	DATE	01/23/92	01/23/92	01/23/92	12/16/91	12/16/91	12/17/91	12/16/91
	ES ID	GB-13-1	GB-13-1RE	GB-13-2	GB-14-1	GB-14-1A	GB-14-1ARE	GB-14-2
	LAB ID	152902	152902	152903	151131	151132	151132	151133
	UNITS							
Volatile Organic Compounds								
Chloromethane	ug/kg	18 U		12 U	11 U	12 U		12 U
Bromomethane	ug/kg	18 U		12 U	11 U	12 U		12 U
Vinyl Chloride	ug/kg	18 U		12 U	11 U	12 U		12 U
Chloroethane	ug/kg	18 U		12 U	11 U	12 U		12 U
Methylene Chloride	ug/kg	9 U		7 U	6 U	6 U		6 U
Acetone	ug/kg	18 U		12 U	14 U	12 U		12 U
Carbon Disulfide	ug/kg	9 U		6 U	6 U	6 U		6 U
1,1-Dichloroethene	ug/kg	9 U		6 U	6 U	6 U		6 U
1,1-Dichloroethane	ug/kg	9 U		6 U	6 U	6 U		6 U
1,2-Dichloroethene (total)	ug/kg	9 U		6 U	6 U	6 U		6 U
Chloroform	ug/kg	9 U		6 U	6 U	6 U		6 U
1,2-Dichloroethane	ug/kg	9 U		6 U	6 U	6 U		6 U
2-Butanone	ug/kg	18 U		12 U	11 U	12 U		12 U
1,1,1-Trichloroethane	ug/kg	9 U		6 U	6 U	6 U		6 U
Carbon Tetrachloride	ug/kg	9 U		6 U	6 U	6 U		6 U
Vinyl Acetate	ug/kg	18 U		12 U	11 U	12 U		12 U
Bromodichloromethane	ug/kg	9 U		6 U	6 U	6 U		6 U
1,2-Dichloropropane	ug/kg	9 U		6 U	6 U	6 U		6 U
cis-1,3-Dichloropropene	ug/kg	9 U		6 U	6 U	6 U		6 U
Trichloroethene	ug/kg	9 U		6 U	6 U	6 U		6 U
Dibromochloromethane	ug/kg	9 U		6 U	6 U	6 U		6 U
1,1,2-Trichloroethane	ug/kg	9 U		6 U	6 U	6 U		6 U
Benzene	ug/kg	9 U		6 U	6 U	6 U		6 U
trans-1,3-Dichloropropene	ug/kg	9 U		6 U	6 U	6 U		6 U
Bromoform	ug/kg	9 U		6 U	6 U	6 U		6 U
4-Methyl-2-Pentanone	ug/kg	18 U		12 U	11 U	12 U		12 U
2-Hexanone	ug/kg	18 U		12 U	11 U	12 U		12 U
Tetrachloroethene	ug/kg	9 U		6 U	6 U	6 U		6 U
1,1,2,2-Tetrachloroethane	ug/kg	9 U		6 U	6 U	6 U		6 U
Toluene	ug/kg	9 U		6 U	6 U	6 U		6 U
Chlorobenzene	ug/kg	9 U		6 U	6 U	6 U		6 U
Ethylbenzene	ug/kg	9 U		6 U	6 U	6 U		6 U
Styrene	ug/kg	9 U		6 U	6 U	6 U		6 U
Xylene (total)	ug/kg	9 U		6 U	6 U	6 U		6 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VALIDATED RESULTS-PHASE 1

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-13	GB-13	GB-13	GB-14	GB-14	GB-14	GB-14
	DEPTH	0-6"	0-6"	0-2'	0-6"	0-6"	0-6"	0-2'
	DATE	01/23/92	01/23/92	01/23/92	12/16/91	12/16/91	12/17/91	12/16/91
	ES ID	GB-13-1	GB-13-1RE	GB-13-2	GB-14-1	GB-14-1A	GB-14-1ARE	GB-14-2
	LAB ID	152902	152902	152903	151131	151132	151132	151133
	UNITS							
Semivolatiles								
Phenol	ug/kg	1000 U		810 U	740 U	730 U	730 U R	770 U
bis(2-Chloroethyl) ether	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
2-Chlorophenol	ug/kg	1000 U		810 U	740 U	730 U	730 U R	770 U
1,3-Dichlorobenzene	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
1,4-Dichlorobenzene	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
Benzyl Alcohol	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
1,2-Dichlorobenzene	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
2-Methylphenol	ug/kg	1000 U		810 U	740 U	730 U	730 U R	770 U
2,2'-oxybis(1-Chloropropane)	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
4-Methylphenol	ug/kg	1000 U		810 U	740 U	730 U	730 U R	770 U
N-Nitroso-di-n-propylamine	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
Hexachloroethane	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
Nitrobenzene	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
Isophorone	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
2-Nitrophenol	ug/kg	1000 U		810 U	740 U	730 U	730 U R	770 U
2,4-Dimethylphenol	ug/kg	1000 U		810 U	740 U	730 U	730 U R	770 U
Benzoic acid	ug/kg	5000 U		3900 U	3600 U	3500 U J	3500 U R	3800 U
bis(2-Chloroethoxy) methane	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
2,4-Dichlorophenol	ug/kg	1000 U		810 U	740 U	730 U	730 U R	770 U
1,2,4-Trichlorobenzene	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
Naphthalene	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
4-Chloroaniline	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
Hexachlorobutadiene	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
4-Chloro-3-methylphenol	ug/kg	1000 U		810 U	740 U	730 U	730 U R	770 U
2-Methylnaphthalene	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
Hexachlorocyclopentadiene	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
2,4,6-Trichlorophenol	ug/kg	1000 U		810 U	740 U	730 U	730 U R	770 U
2,4,5-Trichlorophenol	ug/kg	5000 U		3900 U	3600 U	3500 U	3500 U R	3800 U
2-Chloronaphthalene	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
2-Nitroaniline	ug/kg	5000 U		3900 U	3600 U	3500 U J	3500 U R	3800 U
Dimethylphthalate	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
Acenaphthylene	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
2,6-Dinitrotoluene	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
3-Nitroaniline	ug/kg	5000 U		3900 U	3600 U	3500 U J	3500 U R	3800 U
Acenaphthene	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
2,4-Dinitrophenol	ug/kg	5000 U		3900 U	3600 U	3500 U	3500 U R	3800 U
4-Nitrophenol	ug/kg	5000 U		3900 U	3600 U	3500 U	3500 U R	3800 U
Dibenzofuran	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
2,4-Dinitrotoluene	ug/kg	260 J		810 U	150 J	730 U J	260 R	770 U
Diethylphthalate	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
4-Chlorophenyl-phenylether	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
Fluorene	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
4-Nitroaniline	ug/kg	5000 U		3900 U	3600 U	3500 U J	3500 U R	3800 U
4,6-Dinitro-2-methylphenol	ug/kg	5000 U		3900 U	3600 U	3500 U	3500 U R	3800 U
N-Nitrosodiphenylamine	ug/kg	130 J		810 U	740 U	730 U J	730 U R	770 U
4-Bromophenyl-phenylether	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
Hexachlorobenzene	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
Pentachlorophenol	ug/kg	5000 U		3900 U	3600 U	3500 U	3500 U R	3800 U
Phenanthrene	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
Anthracene	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
Carbazole	ug/kg							
Di-n-butylphthalate	ug/kg	1000 U		110 J	740 U	730 U J	730 U R	770 U
Fluoranthene	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
Pyrene	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
Butylbenzylphthalate	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
3,3'-Dichlorobenzidine	ug/kg	2100 U		1600 U	1500 U	1500 U J	1500 U R	1500 U
Benzo(a)anthracene	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
Chrysene	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
bis(2-Ethylhexyl)phthalate	ug/kg	520 J		290 J	740 U	730 U J	730 U R	770 U
Di-n-octylphthalate	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
Benzo(b)fluoranthene	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
Benzo(k)fluoranthene	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
Benzo(a)pyrene	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
Indeno(1,2,3-cd)pyrene	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
Dibenz(a,h)anthracene	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U
Benzo(g,h,i)perylene	ug/kg	1000 U		810 U	740 U	730 U J	730 U R	770 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VALIDATED RESULTS-PHASE 1

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-13	GB-13	GB-13	GB-14	GB-14	GB-14	GB-14
	DEPTH	0-6"	0-6"	0-2'	0-6"	0-6"	0-6"	0-2'
	DATE	01/23/92	01/23/92	01/23/92	12/16/91	12/16/91	12/17/91	12/16/91
	ES ID	GB-13-1	GB-13-1RE	GB-13-2	GB-14-1	GB-14-1A	GB-14-1ARE	GB-14-2
	LAB ID	152902	152902	152903	151131	151132	151132	151133
	UNITS							
Pesticides/PCBs								
alpha-BHC	ug/kg	25 U J	25 U J	20 U	18 U	18 U		19 U
beta-BHC	ug/kg	25 U J	25 U J	20 U	18 U	18 U		19 U
delta-BHC	ug/kg	25 U J	25 U J	20 U	18 U	18 U		19 U
gamma-BHC (Lindane)	ug/kg	25 U J	25 U J	20 U	18 U	18 U		19 U
Heptachlor	ug/kg	25 U J	25 U J	20 U	18 U	18 U		19 U
Aldrin	ug/kg	25 U J	25 U J	20 U	18 U	18 U		19 U
Heptachlor epoxide	ug/kg	25 U J	25 U J	20 U	18 U	18 U		19 U
Endosulfan I	ug/kg	25 U J	25 U J	20 U	18 U	18 U		19 U
Dieldrin	ug/kg	50 U J	51 U J	39 U	36 U	35 U		38 U
4,4'-DDE	ug/kg	50 U J	51 U J	39 U	36 U	35 U		38 U
Endrin	ug/kg	50 U J	51 U J	39 U	36 U	35 U		38 U
Endosulfan II	ug/kg	50 U J	51 U J	39 U	36 U	35 U		38 U
4,4'-DDD	ug/kg	50 U J	51 U J	39 U	36 U	35 U		38 U
Endosulfan sulfate	ug/kg	50 U J	51 U J	39 U	36 U	35 U		38 U
4,4'-DDT	ug/kg	50 U J	51 U J	39 U	36 U	35 U		38 U
Methoxychlor	ug/kg	250 U J	250 U J	200 U	180 U	180 U		190 U
Endrin ketone	ug/kg	50 U J	51 U J	39 U	36 U	35 U		38 U
Endrin aldehyde	ug/Kg							
alpha-Chlordane	ug/kg	250 U J	250 U J	200 U	180 U	180 U		190 U
gamma-Chlordane	ug/kg	250 U J	250 U J	200 U	180 U	180 U		190 U
Toxaphene	ug/kg	500 U J	510 U J	390 U	360 U	350 U		380 U
Aroclor-1016	ug/kg	250 U J	250 U J	200 U	180 U	180 U		190 U
Aroclor-1221	ug/kg	250 U J	250 U J	200 U	180 U	180 U		190 U
Aroclor-1232	ug/kg	250 U J	250 U J	200 U	180 U	180 U		190 U
Aroclor-1242	ug/kg	250 U J	250 U J	200 U	180 U	180 U		190 U
Aroclor-1248	ug/kg	250 U J	250 U J	200 U	180 U	180 U		190 U
Aroclor-1254	ug/kg	500 U J	510 U J	390 U	360 U	350 U		380 U
Aroclor-1260	ug/kg	500 U J	510 U J	390 U	360 U	350 U		380 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VALIDATED RESULTS–PHASE 1

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-13	GB-13	GB-13	GB-14	GB-14	GB-14	GB-14
	DEPTH	0-6"	0-6"	0-2'	0-6"	0-6"	0-6"	0-2'
	DATE	01/23/92	01/23/92	01/23/92	12/16/91	12/16/91	12/17/91	12/16/91
	ES ID	GB-13-1	GB-13-1RE	GB-13-2	GB-14-1	GB-14-1A	GB-14-1ARE	GB-14-2
	LAB ID	152902	152902	152903	151131	151132	151132	151133
	UNITS							
Explosives								
HMX	ug/kg	1000 U J		1000 U	1000 U	1000 U		1000 U
RDX	ug/kg	120 U J		120 U	120 U	120 U		120 U
1,3,5-Trinitrobenzene	ug/kg	120 U J		120 U	120 U	120 U		120 U
1,3-Dinitrobenzene	ug/kg	120 U J		120 U	120 U	120 U		120 U
Tetryl	ug/kg	400 U J		400 U	400 U	400 U		400 U
2,4,6-Trinitrotoluene	ug/kg	120 U J		120 U	120 U	120 U		120 U
4-amino-2,6-Dinitrotoluene	ug/kg	120 U J		120 U	120 U	120 U		120 U
2-amino-4,6-Dinitrotoluene	ug/kg	120 U J		120 U	120 U	120 U		120 U
2,6-Dinitrotoluene	ug/kg	120 U J		120 U	120 U	120 U		120 U
2,4-Dinitrotoluene	ug/kg	100 J		120 U	120 U	120 U		120 U
Metals								
Aluminum	mg/kg	20300 J		18600 J	13000	10800		21000
Antimony	mg/kg	8.3 U J		6.8 U J	6 U R	5.9 U R		5.7 U R
Arsenic	mg/kg	5.8		5.8	3.9 J	3.9 J		4.3 J
Barium	mg/kg	622 R		325 R	78.5 J	51.5 J		148 J
Beryllium	mg/kg	0.97		0.93	0.78 R	0.68 R		0.97 R
Cadmium	mg/kg	7		3.8	2.5	2.2		3.4
Calcium	mg/kg	8000 J		6130 J	12300 J	12100 J		5790 J
Chromium	mg/kg	29.9 J		27.9 J	23.5	19.8		27.6
Cobalt	mg/kg	14.1		14.7	13.3	10.9		12.9
Copper	mg/kg	863		234	65.3	49.8		57.8
Iron	mg/kg	35600		32600	25200 J	22000 J		29900 J
Lead	mg/kg	2440		1060	49.8	68.5		137
Magnesium	mg/kg	6140 J		6210 J	5990	5270		5510
Manganese	mg/kg	745		620	349	317		419
Mercury	mg/kg	0.15		0.11	0.06 J	0.08 J		0.07 J
Nickel	mg/kg	62.1		40.7	43.4	37.5		40.2
Potassium	mg/kg	1980		1710	1110	872		2130
Selenium	mg/kg	0.33 J		0.28 J	0.46 J	0.39 J		0.14 J
Silver	mg/kg	1.4 U		1.1 U	0.98 U	0.96 U		0.92 U
Sodium	mg/kg	46.2 U		39.4 U	34.8 U	34.3 U		43.1 J
Thallium	mg/kg	0.65 J		0.5 J	0.37	0.39		0.33 U
Vanadium	mg/kg	28.2		27.7	21.8	16.2		30.7
Zinc	mg/kg	900 J		491 J	251 J	173 J		113 J
Cyanide	mg/kg	0.95 U		0.73 U	0.66 U	0.66 U		0.55 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VALIDATED RESULTS--PHASE 1

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-14	GB-15	GB-15	GB-16	GB-16	GB-17/MW21	GB-17/MW21
	DEPTH	0-2'	0-6"	0-2'	0-6"	0-2'	0-6"	0-2'
	DATE	12/16/91	01/23/92	01/23/92	01/23/92	01/23/92	01/14/92	11/01/91
	ES ID	GB-14-2A	GB-15-1	GB-15-2	GB-16-1	GB-16-2	GB-17-1	S110105
	LAB ID	151134	152906	152907	152910	152911	152459	147955
	UNITS							
Volatile Organic Compounds								
Chloromethane	ug/kg	12 U	14 U	12 U	12 U	12 U	12 U	11 U
Bromomethane	ug/kg	12 U	14 U	12 U	12 U	12 U	12 U	11 U
Vinyl Chloride	ug/kg	12 U	14 U	12 U	12 U	12 U	12 U	11 U
Chloroethane	ug/kg	12 U	14 U	12 U	12 U	12 U	12 U	11 U
Methylene Chloride	ug/kg	6 U	7 U	6 U	7 U	10 U	6 U	6 U
Acetone	ug/kg	12 U	14 U	12 U	12 U	12 U	12 U	11 U
Carbon Disulfide	ug/kg	6 U	7 U	6 U	6 U	6 U	6 U	6 U
1,1-Dichloroethene	ug/kg	6 U	7 U	6 U	6 U	6 U	6 U	6 U
1,1-Dichloroethane	ug/kg	6 U	7 U	6 U	6 U	6 U	6 U	6 U
1,2-Dichloroethane (total)	ug/kg	6 U	7 U	6 U	6 U	6 U	6 U	6 U
Chloroform	ug/kg	6 U	2 J	6 U	6 U	6 U	6 U	6 U
1,2-Dichloroethane	ug/kg	6 U	7 U	6 U	6 U	6 U	6 U	6 U
2-Butanone	ug/kg	12 U	14 U	12 U	12 U	12 U	12 U	11 U
1,1,1-Trichloroethane	ug/kg	6 U	7 U	6 U	6 U	6 U	6 U	6 U
Carbon Tetrachloride	ug/kg	6 U	7 U	6 U	6 U	6 U	6 U	6 U
Vinyl Acetate	ug/kg	12 U	14 U	12 U	12 U	12 U	12 U	11 U
Bromodichloromethane	ug/kg	6 U	7 U	6 U	6 U	6 U	6 U	6 U
1,2-Dichloropropane	ug/kg	6 U	7 U	6 U	6 U	6 U	6 U	6 U
cis-1,3-Dichloropropene	ug/kg	6 U	7 U	6 U	6 U	6 U	6 U	6 U
Trichloroethene	ug/kg	6 U	7 U	6 U	6 U	6 U	6 U	6 U
Dibromochloromethane	ug/kg	6 U	7 U	6 U	6 U	6 U	6 U	6 U
1,1,2-Trichloroethane	ug/kg	6 U	7 U	6 U	6 U	6 U	6 U	6 U
Benzene	ug/kg	6 U	7 U	6 U	6 U	6 U	6 U	6 U
trans-1,3-Dichloropropene	ug/kg	6 U	7 U	6 U	6 U	6 U	6 U	6 U
Bromoform	ug/kg	6 U	7 U	6 U	6 U	6 U	6 U	6 U
4-Methyl-2-Pentanone	ug/kg	12 U	14 U	12 U	12 U	12 U	12 U	11 U
2-Hexanone	ug/kg	12 U	14 U	12 U	12 U	12 U	12 U	11 U
Tetrachloroethene	ug/kg	6 U	7 U	6 U	6 U	6 U	6 U	6 U
1,1,2,2-Tetrachloroethane	ug/kg	6 U	7 U	6 U	6 U	6 U	6 U	6 U
Toluene	ug/kg	6 U	7 U	6 U	6 U	6 U	6 U	2 J
Chlorobenzene	ug/kg	6 U	7 U	6 U	6 U	6 U	6 U	6 U
Ethylbenzene	ug/kg	6 U	7 U	6 U	6 U	6 U	6 U	6 U
Styrene	ug/kg	6 U	7 U	6 U	6 U	6 U	6 U	6 U
Xylene (total)	ug/kg	6 U	7 U	6 U	6 U	6 U	6 U	6 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VALIDATED RESULTS-PHASE 1

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-14	GB-15	GB-15	GB-16	GB-16	GB-17/MW21	GB-17/MW21
	DEPTH	0-2'	0-6"	0-2'	0-6"	0-2'	0-6"	0-2'
	DATE	12/18/91	01/23/92	01/23/92	01/23/92	01/23/92	01/14/92	11/01/91
	ES ID	GB-14-2A	GB-15-1	GB-15-2	GB-16-1	GB-16-2	GB-17-1	S110105
	LAB ID	151134	152906	152907	152910	152911	152459	147955
	UNITS							
Semivolatiles								
Phenol	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
bis(2-Chloroethyl) ether	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
2-Chlorophenol	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
1,3-Dichlorobenzene	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
1,4-Dichlorobenzene	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
Benzyl Alcohol	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
1,2-Dichlorobenzene	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
2-Methylphenol	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
2,2'-oxybis(1-Chloropropane)	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
4-Methylphenol	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
N-Nitroso-di-n-propylamine	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
Hexachloroethane	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
Nitrobenzene	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
Isophorone	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
2-Nitrophenol	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
2,4-Dimethylphenol	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
Benzoic acid	ug/kg	3700 U	4300 U	3700 U	4200 U	3800 U	3900 U	3600 U
bis(2-Chloroethoxy) methane	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
2,4-Dichlorophenol	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
1,2,4-Trichlorobenzene	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
Naphthalene	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
4-Chloroaniline	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
Hexachlorobutadiene	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
4-Chloro-3-methylphenol	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
2-Methylnaphthalene	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
Hexachlorocyclopentadiene	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
2,4,6-Trichlorophenol	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
2,4,5-Trichlorophenol	ug/kg	3700 U	4300 U	3700 U	4200 U	3800 U	3900 U	3600 U
2-Chloronaphthalene	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
2-Nitroaniline	ug/kg	3700 U	4300 U	3700 U	4200 U	3800 U	3900 U	3600 U
Dimethylphthalate	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
Acenaphthylene	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
2,6-Dinitrotoluene	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
3-Nitroaniline	ug/kg	3700 U	4300 U	3700 U	4200 U	3800 U	3900 U	3600 U
Acenaphthene	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
2,4-Dinitrophenol	ug/kg	3700 U	4300 U	3700 U	4200 U	3800 U	3900 U	3600 U
4-Nitrophenol	ug/kg	3700 U	4300 U	3700 U	4200 U	3800 U	3900 U	3600 U
Dibenzofuran	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
2,4-Dinitrotoluene	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
Diethylphthalate	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
4-Chlorophenyl-phenylether	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
Fluorene	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
4-Nitroaniline	ug/kg	3700 U	4300 U	3700 U	4200 U	3800 U	3900 U	3600 U
4,6-Dinitro-2-methylphenol	ug/kg	3700 U	4300 U	3700 U	4200 U	3800 U	3900 U	3600 U
N-Nitrosodiphenylamine	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
4-Bromophenyl-phenylether	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
Hexachlorobenzene	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
Pentachlorophenol	ug/kg	3700 U	4300 U	3700 U	4200 U	3800 U	3900 U	3600 U
Phenanthrene	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
Anthracene	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
Carbazole	ug/kg							
Di-n-butylphthalate	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
Fluoranthene	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
Pyrene	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
Butylbenzylphthalate	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
3,3'-Dichlorobenzidine	ug/kg	1500 U	1800 U	1500 U	1700 U	1600 U	1600 U	1500 U
Benzo(a)anthracene	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
Chrysene	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
bis(2-Ethylhexyl)phthalate	ug/kg	760 U	620 J	970	430 J	860	810 U	730 U
Di-n-octylphthalate	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
Benzo(b)fluoranthene	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
Benzo(k)fluoranthene	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
Benzo(a)pyrene	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
Indeno(1,2,3-cd)pyrene	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
Dibenz(a,h)anthracene	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U
Benzo(g,h,i)perylene	ug/kg	760 U	880 U	770 U	870 U	790 U	810 U	730 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VALIDATED RESULTS-PHASE 1

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-14	GB-15	GB-15	GB-16	GB-16	GB-17/MW21	GB-17/MW21
	DEPTH	0-2'	0-6"	0-2'	0-6"	0-2'	0-6"	0-2'
	DATE	12/16/91	01/23/92	01/23/92	01/23/92	01/23/92	01/14/92	11/01/91
	ES ID	GB-14-2A	GB-15-1	GB-15-2	GB-16-1	GB-16-2	GB-17-1	S110105
	LAB ID	151134	152906	152907	152910	152911	152459	147955
	UNITS							
Pesticides/PCBs								
alpha-BHC	ug/kg	18 U	21 U	19 U	21 U	19 U	20 U	18 U
beta-BHC	ug/kg	18 U	21 U	19 U	21 U	19 U	20 U	18 U
delta-BHC	ug/kg	18 U	21 U	19 U	21 U	19 U	20 U	18 U
gamma-BHC (Lindane)	ug/kg	18 U	21 U	19 U	21 U	19 U	20 U	18 U
Heptachlor	ug/kg	18 U	21 U	19 U	21 U	19 U	20 U	18 U
Aldrin	ug/kg	18 U	21 U	19 U	21 U	19 U	20 U	18 U
Heptachlor epoxide	ug/kg	18 U	21 U	19 U	21 U	19 U	20 U	18 U
Endosulfan I	ug/kg	18 U	21 U	19 U	21 U	19 U	20 U	18 U
Dieldrin	ug/kg	37 U	43 U	37 U	42 U	38 U	39 U	36 U
4,4'-DDE	ug/kg	37 U	43 U	37 U	42 U	38 U	39 U	36 U
Endrin	ug/kg	37 U	43 U	37 U	42 U	38 U	39 U	36 U
Endosulfan II	ug/kg	37 U	43 U	37 U	42 U	38 U	39 U	36 U
4,4'-DDD	ug/kg	37 U	43 U	37 U	42 U	38 U	39 U	36 U
Endosulfan sulfate	ug/kg	37 U	43 U	37 U	42 U	38 U	39 U	36 U
4,4'-DDT	ug/kg	37 U	43 U	37 U	42 U	38 U	39 U	36 U
Methoxychlor	ug/kg	180 U	210 U	190 U	210 U	190 U	200 U	180 U
Endrin ketone	ug/kg	37 U	43 U	37 U	42 U	38 U	39 U	36 U
Endrin aldehyde	ug/Kg							
alpha-Chlordane	ug/kg	180 U	210 U	190 U	210 U	190 U	200 U	180 U
gamma-Chlordane	ug/kg	180 U	210 U	190 U	210 U	190 U	200 U	180 U
Toxaphene	ug/kg	370 U	430 U	370 U	420 U	380 U	390 U	360 U
Aroclor-1016	ug/kg	180 U	210 U	190 U	210 U	190 U	200 U	180 U
Aroclor-1221	ug/kg	180 U	210 U	190 U	210 U	190 U	200 U	180 U
Aroclor-1232	ug/kg	180 U	210 U	190 U	210 U	190 U	200 U	180 U
Aroclor-1242	ug/kg	180 U	210 U	190 U	210 U	190 U	200 U	180 U
Aroclor-1248	ug/kg	180 U	210 U	190 U	210 U	190 U	200 U	180 U
Aroclor-1254	ug/kg	370 U	430 U	370 U	420 U	380 U	390 U	360 U
Aroclor-1260	ug/kg	370 U	430 U	370 U	420 U	380 U	390 U	360 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VALIDATED RESULTS-PHASE 1

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-14	GB-15	GB-15	GB-16	GB-16	GB-17/MW21	GB-17/MW21
	DEPTH	0-2'	0-6"	0-2'	0-6"	0-2'	0-6"	0-2'
	DATE	12/16/91	01/23/92	01/23/92	01/23/92	01/23/92	01/14/92	11/01/91
	ES ID	GB-14-2A	GB-15-1	GB-15-2	GB-16-1	GB-16-2	GB-17-1	S110105
	LAB ID	151134	152908	152907	152910	152911	152459	147955
	UNITS							
Explosives								
HMX	ug/kg	1000 U	1000 U J	1000 U	1000 U J	1000 U	1000 U	120 U
RDX	ug/kg	120 U	90 J	120 U	120 U J	120 U	120 U	120 U
1,3,5-Trinitrobenzene	ug/kg	120 U	120 U J	120 U	120 U J	120 U	120 U	120 U
1,3-Dinitrobenzene	ug/kg	120 U	120 U J	120 U	120 U J	120 U	120 U	120 U
Tetryl	ug/kg	400 U	400 U J	400 U	400 U J	400 U	400 U	120 U
2,4,6-Trinitrotoluene	ug/kg	120 U	120 U J	120 U	120 U J	120 U	120 U	120 U
4-amino-2,6-Dinitrotoluene	ug/kg	120 U	99 J	120 U	120 U J	120 U	120 U	120 U
2-amino-4,6-Dinitrotoluene	ug/kg	120 U	130 J	120 U	120 U J	120 U	120 U	120 U
2,6-Dinitrotoluene	ug/kg	120 U	120 U J	120 U	120 U J	120 U	120 U	120 U
2,4-Dinitrotoluene	ug/kg	120 U	120 U J	120 U	120 U J	120 U	120 U	120 U
Metals								
Aluminum	mg/kg	17600	18900 J	18600 J	18500 J	13600 J	19000	18300
Antimony	mg/kg	6 U R	7 U J	9.2 J	6.8 U J	6.2 U J	6.4 U J	9.7 U J
Arsenic	mg/kg	5.1 J	5.9	3	4.4	4.1	5.3	6.2
Barium	mg/kg	92.7 J	384 R	255 R	929 R	127 R	551 R	77.1
Beryllium	mg/kg	0.73 R	0.97	0.84	0.91	0.72	1.6 R	0.84 J
Cadmium	mg/kg	3	2.4	2	2.7	1.8	3.9 J	2.3
Calcium	mg/kg	8130 J	3820 J	18600 J	10200 J	43600 J	4040	7540
Chromium	mg/kg	25.9	24.6 J	22.3 J	25.5 J	17.1 J	25.9 J	30
Cobalt	mg/kg	13.9	12.4	9	9.7	9.1	18.9	17.2
Copper	mg/kg	42	345	81.6 J	51.6 J	21.4 J	39.1	28.1
Iron	mg/kg	28000 J	28300	26800	27200	20800	31700	39700
Lead	mg/kg	77.5	2340	985	30.5 R	10.8 R	98.4	18.5
Magnesium	mg/kg	5620	5470 J	5890 J	6190 J	9610 J	6490	7930
Manganese	mg/kg	490	624	478	510	448	620	617
Mercury	mg/kg	0.06 J	0.1 J	0.04 J	0.35	0.02 U	0.17 R	0.06 R
Nickel	mg/kg	37.9	33.8	34.8	31.1	24.7	39.2	50.7 J
Potassium	mg/kg	1620	1900	1820	1670	1500	1430 J	1490
Selenium	mg/kg	0.19 J	0.33 J	0.15 J	1.2 U J	0.86 U J	0.19 U J	0.13 U J
Silver	mg/kg	0.97 U	1.1 U	0.98 U	1.1 U	1 U	0.41 U	1.4 U
Sodium	mg/kg	52.4 J	40.7 U	34.9 U	39.4 U	36 U	88.2 J	74 U
Thallium	mg/kg	0.32 U	0.53 U	0.31 J	0.67 J	0.41 U	0.46 U	0.35 U
Vanadium	mg/kg	24.3	28.7	23.6	28.9	22.2	26.2 J	25.7
Zinc	mg/kg	102 J	150 J	123 J	308 J	72.1 J	149	71.2
Cyanide	mg/kg	0.64 U	0.7 U	0.56 U	0.72 U	0.54 U	0.57 U	0.66 U

OB GROUNDS - PHASE II
GRID BORING SOILS
SUMMARY OF VALIDATED RESULTS

COMPOUND	MATRIX LOCATION DEPTH DATE ES ID LAB ID UNITS	SOIL GB-16/MW19 0-6" 01/14/92 GB-16-1 152460	SOIL GB-16/MW19 5-5.5' 10/31/91 S103104 147937	SOIL GB-19 0-6" 01/14/92 GB-19-1 152461	SOIL GB-20/MW29 0-6" 01/14/92 GB-20-1 152462	SOIL GB20/MW29 2-4' 11/13/91 S1311106 148877	SOIL GB21/MW30 0-2' 11/14/91 S1411110MW30 149073	SOIL MW-31 0-2' 11/15/92 S1511115MW31 149078
Volatile Organic Compounds								
Chloromethane	ug/kg	13 U	11 U J	13 U	13 U	11 U	12 U	12 U
Bromomethane	ug/kg	13 U	11 U J	13 U	13 U	11 U	12 U	12 U
Vinyl Chloride	ug/kg	13 U	11 U J	13 U	13 U	11 U	12 U	12 U
Chloroethane	ug/kg	13 U	11 U J	13 U	13 U	11 U	12 U	12 U
Methylene Chloride	ug/kg	7 U	5 U J	6 U	6 U	6 U	6 U	6 U
Acetone	ug/kg	13 U	11 U J	13 U	13 U	11 U	18 U	17 U
Carbon Disulfide	ug/kg	7 U	5 U J	6 U	6 U	6 U	6 U	6 U
1,1-Dichloroethene	ug/kg	7 U	5 U J	6 U	6 U	6 U	6 U	6 U
1,1-Dichloroethane	ug/kg	7 U	5 U J	6 U	6 U	6 U	6 U	6 U
1,2-Dichloroethene (total)	ug/kg	7 U	5 U J	6 U	6 U	6 U	6 U	6 U
Chloroform	ug/kg	7 U	5 U J	6 U	5 J	6 U	6 U	6 U
1,2-Dichloroethane	ug/kg	7 U	5 U J	6 U	6 U	6 U	6 U	6 U
2-Butanone	ug/kg	13 U	11 U J	13 U	13 U	11 U	12 U	12 U
1,1,1-Trichloroethane	ug/kg	7 U	5 U J	6 U	6 U	6 U	6 U	6 U
Carbon Tetrachloride	ug/kg	7 U	5 U J	6 U	6 U	6 U	6 U	6 U
Vinyl Acetate	ug/kg	13 U	11 U J	13 U	13 U	11 U	12 U	12 U
Bromodichloromethane	ug/kg	7 U	5 U J	6 U	6 U	6 U	6 U	6 U
1,2-Dichloropropane	ug/kg	7 U	5 U J	6 U	6 U	6 U	6 U	6 U
cis-1,3-Dichloropropene	ug/kg	7 U	5 U J	6 U	6 U	6 U	6 U	6 U
Trichloroethene	ug/kg	7 U	5 U J	6 U	6 U	6 U	6 U	6 U
Dibromochloromethane	ug/kg	7 U	5 U J	6 U	6 U	6 U	6 U	6 U
1,1,2-Trichloroethane	ug/kg	7 U	5 U J	6 U	6 U	6 U	6 U	6 U
Benzene	ug/kg	7 U	5 U J	6 U	6 U	6 U	6 U	6 U
trans-1,3-Dichloropropene	ug/kg	7 U	5 U J	6 U	6 U	6 U	6 U	6 U
Bromoform	ug/kg	7 U	5 U J	6 U	6 U	6 U	6 U	6 U
4-Methyl-2-Pentanone	ug/kg	13 U	11 U J	13 U	13 U	11 U	12 U	12 U
2-Hexanone	ug/kg	13 U	11 U J	13 U	13 U	11 U	12 U	12 U
Tetrachloroethene	ug/kg	7 U	5 U J	6 U	6 U	6 U	6 U	6 U
1,1,2,2-Tetrachloroethane	ug/kg	7 U	5 U J	6 U	6 U	6 U	6 U	6 U
Toluene	ug/kg	7 U	2 J	6 U	6 U	6 U	6 U	6 U
Chlorobenzene	ug/kg	7 U	5 U J	6 U	6 U	6 U	6 U	6 U
Ethylbenzene	ug/kg	7 U	5 U J	6 U	6 U	6 U	6 U	6 U
Styrene	ug/kg	7 U	5 U J	6 U	6 U	6 U	6 U	6 U
Xylene (total)	ug/kg	7 U	5 U J	6 U	6 U	6 U	6 U	6 U

OB GROUNDS - PHASE II
GRID BORING SOILS
SUMMARY OF VALIDATED RESULTS

COMPOUND	MATRIX LOCATION DEPTH DATE ES ID LAB ID UNITS	SOIL GB-18/MW19 0-6' 01/14/92 GB-18-1 152460	SOIL GB-18/MW19 5-5.5' 10/31/91 S103104 147937	SOIL GB-19 0-6' 01/14/92 GB-19-1 152461	SOIL GB-20/MW29 0-6' 01/14/92 GB-20-1 152462	SOIL GB20/MW29 2-4' 11/13/91 S1311106 148877	SOIL GB21/MW30 0-2' 11/14/91 S1411110MW30 149073	SOIL MW-31 0-2' 11/15/92 S1511115MW31 149078
Semivolatiles								
Phenol	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
bis(2-Chloroethyl) ether	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
2-Chlorophenol	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
1,3-Dichlorobenzene	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
1,4-Dichlorobenzene	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
Benzyl Alcohol	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
1,2-Dichlorobenzene	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
2-Methylphenol	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
2,2'-oxybis(1-Chloropropane)	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
4-Methylphenol	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
N-Nitroso-di-n-propylamine	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
Hexachloroethane	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
Nitrobenzene	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
Isophorone	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
2-Nitrophenol	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
2,4-Dimethylphenol	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
Benzoic acid	ug/kg	4700 U	3400 U	4400 U	4400 U	3600 U	3900 U	
bis(2-Chloroethoxy) methane	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
2,4-Dichlorophenol	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
1,2,4-Trichlorobenzene	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
Naphthalene	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
4-Chloroaniline	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
Hexachlorobutadiene	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
4-Chloro-3-methylphenol	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
2-Methylnaphthalene	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
Hexachlorocyclopentadiene	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
2,4,6-Trichlorophenol	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
2,4,5-Trichlorophenol	ug/kg	4700 U	3400 U	4400 U	4400 U	3600 U	3900 U	
2-Chloronaphthalene	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
2-Nitroaniline	ug/kg	4700 U	3400 U	4400 U	4400 U	3600 U	3900 U	
Dimethylphthalate	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
Acenaphthylene	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
2,6-Dinitrotoluene	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
3-Nitroaniline	ug/kg	4700 U	3400 U	4400 U	4400 U	3600 U	3900 U	
Acenaphthene	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
2,4-Dinitrophenol	ug/kg	4700 U	3400 U	4400 U	4400 U	3600 U	3900 U	
4-Nitrophenol	ug/kg	4700 U	3400 U	4400 U	4400 U	3600 U	3900 U	
Dibenzofuran	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
2,4-Dinitrotoluene	ug/kg	960 U	710 U	280 J	900 U	750 U	790 U	
Diethylphthalate	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
4-Chlorophenyl-phenylether	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
Fluorene	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
4-Nitroaniline	ug/kg	4700 U	3400 U	4400 U	4400 U	3600 U	3900 U	
4,6-Dinitro-2-methylphenol	ug/kg	4700 U	3400 U	4400 U	4400 U	3600 U	3900 U	
N-Nitrosodiphenylamine	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
4-Bromophenyl-phenylether	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
Hexachlorobenzene	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
Pentachlorophenol	ug/kg	4700 U	3400 U	4400 U	4400 U	3600 U	3900 U	
Phenanthrene	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
Anthracene	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
Carbazole	ug/kg							
Di-n-butylphthalate	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
Fluoranthene	ug/kg	960 U	710 U	900 U	900 U	750 U	78 J	
Pyrene	ug/kg	960 U	710 U	900 U	900 U	750 U	120 J	
Butylbenzylphthalate	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
3,3'-Dichlorobenzidine	ug/kg	1900 U	1400 U	1800 U	1800 U	1500 U	1600 U	
Benzo(a)anthracene	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
Chrysene	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
bis(2-Ethylhexyl)phthalate	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
Di-n-octylphthalate	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
Benzo(b)fluoranthene	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
Benzo(k)fluoranthene	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
Benzo(a)pyrene	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
Indeno(1,2,3-cd)pyrene	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
Dibenz(a,h)anthracene	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	
Benzo(g,h,i)perylene	ug/kg	960 U	710 U	900 U	900 U	750 U	790 U	

OB GROUNDS - PHASE II
GRID BORING SOILS
SUMMARY OF VALIDATED RESULTS

COMPOUND	MATRIX LOCATION DEPTH DATE ES ID LAB ID UNITS	SOIL GB-18/MW19 0-6" 01/14/92 GB-18-1 152460	SOIL GB-18/MW19 5-5.5' 10/31/91 S103104 147937	SOIL GB-19 0-6" 01/14/92 GB-19-1 152461	SOIL GB-20/MW29 0-6" 01/14/92 GB-20-1 152462	SOIL GB20/MW29 2-4' 11/13/91 S1311106 148877	SOIL GB21/MW30 0-2' 11/14/91 S1411110MW30 149073	SOIL MW-31 0-2' 11/15/92 S1511115MW31 149078
Pesticides/PCBs								
alpha-BHC	ug/kg	23 U	17 U	22 U	22 U	18 U	19 U	
beta-BHC	ug/kg	23 U	17 U	22 U	22 U	18 U	19 U	
delta-BHC	ug/kg	23 U	17 U	22 U	22 U	18 U	19 U	
gamma-BHC (Lindane)	ug/kg	23 U	17 U	22 U	22 U	18 U	19 U	
Heptachlor	ug/kg	23 U	17 U	22 U	22 U	18 U	19 U	
Aldrin	ug/kg	23 U	17 U	22 U	22 U	18 U	19 U	
Heptachlor epoxide	ug/kg	23 U	17 U	22 U	22 U	18 U	19 U	
Endosulfan I	ug/kg	23 U	17 U	22 U	22 U	18 U	19 U	
Dieldrin	ug/kg	47 U	34 U	44 U	44 U	36 U	39 U	
4,4'-DDE	ug/kg	47 U	34 U	44 U	44 U	36 U	20 J	
Endrin	ug/kg	47 U	34 U	44 U	44 U	36 U	39 U	
Endosulfan II	ug/kg	47 U	34 U	44 U	44 U	36 U	39 U	
4,4'-DDD	ug/kg	47 U	34 U	44 U	44 U	36 U	39 U	
Endosulfan sulfate	ug/kg	47 U	34 U	44 U	44 U	36 U	39 U	
4,4'-DDT	ug/kg	47 U	34 U	44 U	44 U	36 U	39 U	
Methoxychlor	ug/kg	230 U	170 U	220 U	220 U	180 U	190 U	
Endrin ketone	ug/kg	47 U	34 U	44 U	44 U	36 U	39 U	
Endrin aldehyde	ug/Kg							
alpha-Chlordane	ug/kg	230 U	170 U	220 U	220 U	180 U	190 U	
gamma-Chlordane	ug/kg	230 U	170 U	220 U	220 U	180 U	190 U	
Toxaphene	ug/kg	470 U	340 U	440 U	440 U	360 U	390 U	
Aroclor-1016	ug/kg	230 U	170 U	220 U	220 U	180 U	190 U	
Aroclor-1221	ug/kg	230 U	170 U	220 U	220 U	180 U	190 U	
Aroclor-1232	ug/kg	230 U	170 U	220 U	220 U	180 U	190 U	
Aroclor-1242	ug/kg	230 U	170 U	220 U	220 U	180 U	190 U	
Aroclor-1248	ug/kg	230 U	170 U	220 U	220 U	180 U	190 U	
Aroclor-1254	ug/kg	470 U	340 U	440 U	440 U	360 U	390 U	
Aroclor-1260	ug/kg	470 U	340 U	440 U	440 U	360 U	390 U	

OB GROUNDS – PHASE II
GRID BORING SOILS
SUMMARY OF VALIDATED RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-18/MW19	GB-18/MW19	GB-19	GB-20/MW29	GB20/MW29	GB21/MW30	MW-31
	DEPTH	0-6"	5-5.5'	0-6"	0-6"	2-4'	0-2'	0-2'
	DATE	01/14/92	10/31/91	01/14/92	01/14/92	11/13/91	11/14/91	11/15/92
	ES ID	GB-18-1	S103104	GB-19-1	GB-20-1	S1311106	S1411110MW30	S1511115MW31
	LAB ID	152460	147937	152461	152462	148877	149073	149078
	UNITS							
Explosives								
HMX	ug/kg	1000 U	120 U	1000 U	1000 U	120 U	120 U	
RDX	ug/kg	120 U	120 U	120 U	120 U	120 U	240	
1,3,5-Trinitrobenzene	ug/kg	120 U	120 U	120 U	66 J	120 U	120 U	
1,3-Dinitrobenzene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	
Tetryl	ug/kg	400 U	120 U	400 U	400 U	120 U	120 U	
2,4,6-Trinitrotoluene	ug/kg	120 U	120 U	120 U	350	120 U	120 U	
4-amino-2,6-Dinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	120 U	130	
2-amino-4,6-Dinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	120 U	110 J	
2,6-Dinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	
2,4-Dinitrotoluene	ug/kg	120 U	120 U	160	120 U	120 U	120 U	
Metals								
Aluminum	mg/kg	19100	17500	19200	21200	16900	16000	
Antimony	mg/kg	7.3 U J	8.1 U J	8.2 J	7 U J	11.4 U J	6.4 U J	
Arsenic	mg/kg	5	9.1	12.5	5.1	6.5	4	
Barium	mg/kg	1740	96.9	1190	211 R	95.2	253	
Beryllium	mg/kg	1.1 R	0.88	1.1 R	1.2 R	1.1	0.94	
Cadmium	mg/kg	5.2 J	2.5	3.9 J	3.9 J	2.5	2.7	
Calcium	mg/kg	8680	59100	6020	9770	86100	9150	
Chromium	mg/kg	25.6 J	28.5	27 J	29.3 J	25.1	23.1	
Cobalt	mg/kg	13.1	15.8	11.2	14.2	10.9	11.5	
Copper	mg/kg	62.4	27	619	50	28.7	74.7	
Iron	mg/kg	29800	34900	28800	31600	26600	27900	
Lead	mg/kg	173	22.3	2370	82.6	16.1	316	
Magnesium	mg/kg	5710	9870	6170	7010	8590	4790	
Manganese	mg/kg	1100	546	796	695	498	620	
Mercury	mg/kg	1.1	0.04 U	0.19 R	0.13 R	0.04 U	0.16 R	
Nickel	mg/kg	26.8	52.9 J	31.3	40.4	59 J	30.9 J	
Potassium	mg/kg	1950 J	2650	2460 J	2660 J	3170	2040	
Selenium	mg/kg	0.32 J	0.19 U J	0.64 J	0.36 J	0.16 U J	0.23 U J	
Silver	mg/kg	0.46 U	1.2 U	0.44 U	0.45 U	1.7 U	0.96 U	
Sodium	mg/kg	59 J	147 J	66.5 J	64 J	196 J	52.8 J	
Thallium	mg/kg	0.69 U	0.53 U	0.8 J	0.57 J	0.48 U	0.64 U	
Vanadium	mg/kg	30.1 J	26.8	29.6 J	30.2 J	27.4	25.7	
Zinc	mg/kg	621	100	399	175	86.3	220	
Cyanide	mg/kg	0.84 U	0.6 U	0.75 U	0.6 U	0.68 U	0.7 U	

OB GROUNDS - PHASE II
GRID BORING SOILS
SUMMARY OF VALIDATED RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	MW-32	MW-34	MW-34	OB	OB	OB	OB
	DEPTH	0-2'	0-2'	0-2'	0-2	2-4	0-2	0-2
	DATE	11/19/91	11/20/91	11/20/91	01/18/93	01/18/93	01/18/93	01/18/93
	ES ID	S1911118MW32	S2011121MW34	S2011121MW34RE	GB23-1	GB23-2	GB23-6	GB24-1
	LAB ID	149328	149410	149410RE	177409	177410	177411	177412
	UNITS						DUP GB23-1	
Volatile Organic Compounds								
Chloromethane	ug/kg	12 U	12 U		12 U	12 U	13 U	12 U
Bromomethane	ug/kg	12 U	12 U		12 U	12 U	13 U	12 U
Vinyl Chloride	ug/kg	12 U	12 U		12 U	12 U	13 U	12 U
Chloroethane	ug/kg	12 U	12 U		12 U	12 U	13 U	12 U
Methylene Chloride	ug/kg	6 U	6 U		12 U	12 U	13 U	12 U
Acetone	ug/kg	12 U	12 U		12 U	12 U	13 U	12 U
Carbon Disulfide	ug/kg	6 U	6 U		12 U	12 U	13 U	12 U
1,1-Dichloroethene	ug/kg	6 U	6 U		12 U	12 U	13 U	12 U
1,1-Dichloroethane	ug/kg	6 U	6 U		12 U	12 U	13 U	12 U
1,2-Dichloroethene (total)	ug/kg	6 U	6 U		12 U	12 U	13 U	12 U
Chloroform	ug/kg	6 U	6 U		12 U	12 U	13 U	12 U
1,2-Dichloroethane	ug/kg	6 U	6 U		12 U	12 U	13 U	12 U
2-Butanone	ug/kg	12 U	12 U		12 U	12 U	13 U	12 U
1,1,1-Trichloroethane	ug/kg	6 U	6 U		12 U	12 U	13 U	12 U
Carbon Tetrachloride	ug/kg	6 U	6 U		12 U	12 U	13 U	12 U
Vinyl Acetate	ug/kg	12 U	12 U					
Bromodichloromethane	ug/kg	6 U	6 U		12 U	12 U	13 U	12 U
1,2-Dichloropropane	ug/kg	6 U	6 U		12 U	12 U	13 U	12 U
cis-1,3-Dichloropropene	ug/kg	6 U	6 U		12 U	12 U	13 U	12 U
Trichloroethene	ug/kg	6 U	6 U		12 U	12 U	13 U	12 U
Dibromochloromethane	ug/kg	6 U	6 U		12 U	12 U	13 U	12 U
1,1,2-Trichloroethane	ug/kg	6 U	6 U		12 U	12 U	13 U	12 U
Benzene	ug/kg	6 U	6 U		12 U	12 U	13 U	12 U
trans-1,3-Dichloropropene	ug/kg	6 U	6 U		12 U	12 U	13 U	12 U
Bromoform	ug/kg	6 U	6 U		12 U	12 U	13 U	12 U
4-Methyl-2-Pentanone	ug/kg	12 U	12 U		12 U	12 U	13 U	12 U
2-Hexanone	ug/kg	12 U	12 U		12 U	12 U	13 U	12 U
Tetrachloroethene	ug/kg	6 U	6 U		2 J	12 U	15 J	12 U
1,1,2,2-Tetrachloroethane	ug/kg	6 U	6 U		12 U	12 U	13 U	12 U
Toluene	ug/kg	6 U	6 U		12 U	12 U	13 U	12 U
Chlorobenzene	ug/kg	6 U	6 U		12 U	12 U	13 U	12 U
Ethylbenzene	ug/kg	6 U	6 U		12 U	12 U	13 U	12 U
Styrene	ug/kg	6 U	6 U		12 U	12 U	13 U	12 U
Xylene (total)	ug/kg	6 U	6 U		12 U	12 U	13 U	12 U
							DUP GB23-1	

OB GROUNDS - PHASE II
GRID BORING SOILS
SUMMARY OF VALIDATED RESULTS

COMPOUND	MATRIX LOCATION DEPTH DATE ES ID LAB ID UNITS	SOIL MW-32 0-2' 11/19/91 S1911118MW32 149328	SOIL MW-34 0-2' 11/20/91 S2011121MW34 149410	SOIL MW-34 0-2' 11/20/91 S2011121MW34RE 149410RE	SOIL OB 0-2 01/18/93 GB23-1 177409	SOIL OB 2-4 01/18/93 GB23-2 177410	SOIL OB 0-2 01/18/93 GB23-6 177411 DUP GB23-1	SOIL OB 0-2 01/18/93 GB24-1 177412
Semivolatiles								
Phenol	ug/kg		730 U		420 U	410 U	420 U	390 U
bis(2-Chloroethyl) ether	ug/kg		730 U		420 U	410 U	420 U	390 U
2-Chlorophenol	ug/kg		730 U		420 U	410 U	420 U	390 U
1,3-Dichlorobenzene	ug/kg		730 U		420 U	410 U	420 U	390 U
1,4-Dichlorobenzene	ug/kg		730 U		420 U	410 U	420 U	390 U
Benzyl Alcohol	ug/kg		730 U					
1,2-Dichlorobenzene	ug/kg		730 U		420 U	410 U	420 U	390 U
2-Methylphenol	ug/kg		730 U		420 U	410 U	420 U	390 U
2,2'-oxybis(1-Chloropropane)	ug/kg		730 U		420 U	410 U	420 U	390 U
4-Methylphenol	ug/kg		730 U		420 U	410 U	420 U	390 U
N-Nitroso-di-n-propylamine	ug/kg		730 U		420 U	410 U	420 U	390 U
Hexachloroethane	ug/kg		730 U		420 U	410 U	420 U	390 U
Nitrobenzene	ug/kg		730 U		420 U	410 U	420 U	390 U
Isophorone	ug/kg		730 U		420 U	410 U	420 U	390 U
2-Nitrophenol	ug/kg		730 U		420 U	410 U	420 U	390 U
2,4-Dimethylphenol	ug/kg		730 U		420 U	410 U	420 U	390 U
Benzoic acid	ug/kg		3500 U					
bis(2-Chloroethoxy) methane	ug/kg		730 U		420 U	410 U	420 U	390 U
2,4-Dichlorophenol	ug/kg		730 U		420 U	410 U	420 U	390 U
1,2,4-Trichlorobenzene	ug/kg		730 U		420 U	410 U	420 U	390 U
Naphthalene	ug/kg		730 U		420 U	410 U	420 U	390 U
4-Chloroaniline	ug/kg		730 U		420 U	410 U	420 U	390 U
Hexachlorobutadiene	ug/kg		730 U		420 U	410 U	420 U	390 U
4-Chloro-3-methylphenol	ug/kg		730 U		420 U	410 U	420 U	390 U
2-Methylnaphthalene	ug/kg		730 U		420 U	410 U	420 U	390 U
Hexachlorocyclopentadiene	ug/kg		730 U		420 U	410 U	420 U	390 U
2,4,6-Trichlorophenol	ug/kg		730 U		420 U	410 U	420 U	390 U
2,4,5-Trichlorophenol	ug/kg		3500 U		1000 U	990 U	1000 U	950 U
2-Chloronaphthalene	ug/kg		730 U		420 U	410 U	420 U	390 U
2-Nitroaniline	ug/kg		3500 U		1000 U	990 U	1000 U	950 U
Dimethylphthalate	ug/kg		730 U		420 U	410 U	420 U	390 U
Acenaphthylene	ug/kg		730 U		420 U	410 U	420 U	390 U
2,6-Dinitrotoluene	ug/kg		730 U		41 J	410 U	290 J	210 J
3-Nitroaniline	ug/kg		3500 U		1000 U	990 U	1000 U	950 U
Acenaphthene	ug/kg		730 U		420 U	410 U	420 U	390 U
2,4-Dinitrophenol	ug/kg		3500 U		1000 U	990 U	1000 U	950 U
4-Nitrophenol	ug/kg		3500 U		1000 U	990 U	1000 U	950 U
Dibenzofuran	ug/kg		730 U		420 U	410 U	420 U	390 U
2,4-Dinitrotoluene	ug/kg		730 U		330 J	410 U	3400	2300
Diethylphthalate	ug/kg		730 U		420 U	410 U	67 J	390 U
4-Chlorophenyl-phenylether	ug/kg		730 U		420 U	410 U	420 U	390 U
Fluorene	ug/kg		730 U		420 U	410 U	420 U	390 U
4-Nitroaniline	ug/kg		3500 U		1000 U	990 U	1000 U	950 U
4,6-Dinitro-2-methylphenol	ug/kg		3500 U		1000 U	990 U	1000 U	950 U
N-Nitrosodiphenylamine	ug/kg		730 U		190 J	410 U	380 J	260 J
4-Bromophenyl-phenylether	ug/kg		730 U		420 U	410 U	420 U	390 U
Hexachlorobenzene	ug/kg		730 U		22 J	410 U	20 J	390 U
Pentachlorophenol	ug/kg		3500 U		1000 U	990 U	1000 U	950 U
Phenanthrene	ug/kg		730 U		420 U	410 U	420 U	390 U
Anthracene	ug/kg		730 U		420 U	410 U	420 U	18 J
Carbazole	ug/kg				420 U	410 U	420 U	390 U
Di-n-butylphthalate	ug/kg		730 U		1000	68 J	1500	380 J
Fluoranthene	ug/kg		730 U		420 U	410 U	420 U	390 U
Pyrene	ug/kg		730 U		420 U	410 U	420 U	390 U
Butylbenzylphthalate	ug/kg		730 U		420 U	64 J	420 U	390 U
3,3'-Dichlorobenzidine	ug/kg		1500 U		420 U	410 U	420 U	390 U
Benzo(a)anthracene	ug/kg		730 U		420 U	410 U	420 U	390 U
Chrysene	ug/kg		730 U		420 U	410 U	420 U	390 U
bis(2-Ethylhexyl)phthalate	ug/kg		730 U		400 J	380 J	460	290 J
Di-n-octylphthalate	ug/kg		730 U		420 U	19 J	420 U	390 U
Benzo(b)fluoranthene	ug/kg		730 U		420 U	410 U	420 U	390 U
Benzo(k)fluoranthene	ug/kg		730 U		420 U	410 U	420 U	390 U
Benzo(a)pyrene	ug/kg		730 U		420 U	410 U	420 U	390 U
Indeno(1,2,3-cd)pyrene	ug/kg		730 U		420 U	410 U	420 U	390 U
Dibenz(a,h)anthracene	ug/kg		730 U		420 U	410 U	420 U	390 U
Benzo(g,h,i)perylene	ug/kg		730 U		420 U	410 U	420 U	390 U

OB GROUNDS - PHASE II
GRID BORING SOILS
SUMMARY OF VALIDATED RESULTS

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	MW-32	MW-34	MW-34	OB	OB	OB	OB
	DEPTH	0-2'	0-2'	0-2'	0-2	2-4	0-2	0-2
	DATE	11/19/91	11/20/91	11/20/91	01/18/93	01/18/93	01/18/93	01/18/93
	ES ID	S1911118MW32	S2011121MW34	S2011121MW34RE	GB23-1	GB23-2	GB23-6	GB24-1
COMPOUND	LAB ID	149328	149410	149410RE	177409	177410	177411	177412
	UNITS						DUP GB23-1	
Pesticides/PCBs								
alpha-BHC	ug/kg		18 U	18 U R	2.2 U	2.1 U	2.2 U	2 U
beta-BHC	ug/kg		18 U	18 U R	2.2 U	2.1 U	2.2 U	2 U
delta-BHC	ug/kg		18 U	18 U R	2.2 U	2.1 U	2.2 U	2 U
gamma-BHC (Lindane)	ug/kg		18 U	18 U R	2.2 U	2.1 U	2.2 U	2 U
Heptachlor	ug/kg		18 U	18 U R	2.2 U	2.1 U	2.2 U	2 U
Aldrin	ug/kg		18 U	18 U R	2.2 U	2.1 U	2.2 U	2 U
Heptachlor epoxide	ug/kg		18 U	18 U R	2.2 U	2.1 U	2.2 U	2 U
Endosulfan I	ug/kg		18 U	18 U R	2.2 U	2.1 U	1.3 J	2 U
Dieldrin	ug/kg		35 U	36 U R	4.2 U	4 U	4.2 U	3.9 U
4,4'-DDE	ug/kg		35 U	36 U R	4.2 U	4 U	4.2 U	5.8
Endrin	ug/kg		35 U	36 U R	4.2 U	4 U	4.2 U	3.9 U
Endosulfan II	ug/kg		35 U	36 U R	4.2 U	4 U	4.2 U	3.9 U
4,4'-DDD	ug/kg		35 U	36 U R	4.2 U	4 U	4.2 U	4.2
Endosulfan sulfate	ug/kg		35 U	36 U R	4.2 U	4 U	4.2 U	3.9 U
4,4'-DDT	ug/kg		35 U	36 U R	4.2 U	4 U	4.2 U	3.9 J
Methoxychlor	ug/kg		180 U	180 U R	22 U	21 U	22 U	20 U
Endrin ketone	ug/kg		35 U	36 U R	4.2 U	4 U	4.2 U	3.9 U
Endrin aldehyde	ug/Kg				4.2 U	4 U	4.2 U	3.9 U
alpha-Chlordane	ug/kg		180 U	180 U R	2.2 U	2.1 U	2.2 U	2 U
gamma-Chlordane	ug/kg		180 U	180 U R	2.2 U	2.1 U	2.2 U	2 U
Toxaphene	ug/kg		350 U	360 U R	220 U	210 U	220 U	200 U
Aroclor-1016	ug/kg		180 U	180 U R	42 U	40 U	42 U	39 U
Aroclor-1221	ug/kg		180 U	180 U R	86 U	81 U	86 U	79 U
Aroclor-1232	ug/kg		180 U	180 U R	42 U	40 U	42 U	39 U
Aroclor-1242	ug/kg		1400 U	180 U R	42 U	40 U	42 U	39 U
Aroclor-1248	ug/kg		180 U	180 U R	42 U	40 U	42 U	39 U
Aroclor-1254	ug/kg		350 U	360 U R	42 U	40 U	430 J	39 U
Aroclor-1260	ug/kg		350 U	360 U R	42 U	40 U	42 U	39 U

OB GROUNDS – PHASE II
GRID BORING SOILS
SUMMARY OF VALIDATED RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	MW-32	MW-34	MW-34	OB	OB	OB	OB
	DEPTH	0-2'	0-2'	0-2'	0-2	2-4	0-2	0-2
	DATE	11/19/91	11/20/91	11/20/91	01/18/93	01/18/93	01/18/93	01/18/93
	ES ID	S1911118MW32	S2011121MW34	S2011121MW34RE	GB23-1	GB23-2	GB23-6	GB24-1
	LAB ID	149326	149410	149410RE	177409	177410	177411	177412
	UNITS						DUP GB23-1	
Explosives								
HMX	ug/kg	120 U		120 U	120 U	120 U	120 U	120 U
RDX	ug/kg	120 U		120 U	100 J	120 U	120 U	120 U
1,3,5-Trinitrobenzene	ug/kg	120 U		260	120 U	200	120 U	120 U
1,3-Dinitrobenzene	ug/kg	120 U		120 U	120 U	120 U	120 U	120 U
Tetryl	ug/kg	120 U		120 U	120 U	120 U	120 U	120 U
2,4,6-Trinitrotoluene	ug/kg	120 U		100 J	120 U	57 J	120 U	120 U
4-amino-2,6-Dinitrotoluene	ug/kg	120 U		430	120 U	280 J	64 J	
2-amino-4,6-Dinitrotoluene	ug/kg	120 U		370	120 U	270	140	
2,6-Dinitrotoluene	ug/kg	120 U		120 U	120 U	120 U	120 U	120 U
2,4-Dinitrotoluene	ug/kg	120 U		2400 J	120 U	1200 J	260	
Metals								
Aluminum	mg/kg	16100		20500	17100	17700	19100	
Antimony	mg/kg	5.7 J		26.6 J	6.3 UJ	18.5 J	7.3 J	
Arsenic	mg/kg	6.3 U		7.7 J	4.1 J	5.9 J	4.2 J	
Barium	mg/kg	67.5		4520	175 J	3070	1480	
Beryllium	mg/kg	0.86		0.74	0.77	0.69	0.9	
Cadmium	mg/kg	2.3		5.5	0.38 J	5.9	1	
Calcium	mg/kg	29600		8600	9950	9120	5780	
Chromium	mg/kg	26.6		35.4	30.7	31.4	34.3	
Cobalt	mg/kg	17		12.9	14.8	10.5	13.1	
Copper	mg/kg	32.7		1660	74.2	869	1400	
Iron	mg/kg	35000		36100	33000	30400	32700	
Lead	mg/kg	11.9		5200	163	3200	1310	
Magnesium	mg/kg	6850		7510	7290	6290	7190	
Manganese	mg/kg	803		365	434	385	655	
Mercury	mg/kg	0.07 R		0.41	0.11 J	0.27	0.2	
Nickel	mg/kg	49.3 J		39.5	55.1	39.7	49.1	
Potassium	mg/kg	1290		1770	1360	1340	2060	
Selenium	mg/kg	0.18 U J		1.5 J	0.9 J	0.45 J	0.88 J	
Silver	mg/kg	0.87 J		1 R	0.39 R	0.71 R	3.7	
Sodium	mg/kg	55.2 J		227 J	106 J	158 J	89.5 J	
Thallium	mg/kg	0.51 U		0.48 U	0.61 U	0.45 U	0.53 U	
Vanadium	mg/kg	22.3		28.3	24.7	26.5	30.4	
Zinc	mg/kg	95.7		1200	123	992	375	
Cyanide	mg/kg	0.54 U		0.77 U	0.73 U	0.78 U	0.7 U	

OB GROUNDS - PHASE II
GRID BORING SOILS
SUMMARY OF VALIDATED RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB	OB
	DEPTH	2-4	0-2	2-4	0-2	2-4	0-2	0-2
	DATE	01/18/93	01/18/93	01/18/93	01/19/93	01/19/93	01/19/93	01/19/93
	ES ID	GB24-2	GB25-1	GB25-2	GB26-1	GB26-2	GB26-4	GB27-1
	LAB ID	177413	177414	177415	177516	177518	177520	177521
	UNITS						DUP GB26-1	
Volatile Organic Compounds								
Chloromethane	ug/kg	12 U	12 U	12 U	13 U	12 U	12 U	12 U
Bromomethane	ug/kg	12 U	12 U	12 U	13 U	12 U	12 U	12 U
Vinyl Chloride	ug/kg	12 U	12 U	12 U	13 U	12 U	12 U	12 U
Chloroethane	ug/kg	12 U	12 U	12 U	13 U	12 U	12 U	12 U
Methylene Chloride	ug/kg	12 U	12 U	12 U	13 U	12 U	12 U	12 U
Acetone	ug/kg	12 U	12 U	12 U	13 U	12 U	12 U	12 U
Carbon Disulfide	ug/kg	12 U	12 U	12 U	13 U	12 U	12 U	12 U
1,1-Dichloroethene	ug/kg	12 U	12 U	12 U	13 U	12 U	12 U	12 U
1,1-Dichloroethane	ug/kg	12 U	12 U	12 U	13 U	12 U	12 U	12 U
1,2-Dichloroethene (total)	ug/kg	12 U	12 U	12 U	13 U	12 U	12 U	12 U
Chloroform	ug/kg	12 U	12 U	12 U	13 U	12 U	12 U	12 U
1,2-Dichloroethane	ug/kg	12 U	12 U	12 U	13 U	12 U	12 U	12 U
2-Butanone	ug/kg	12 U	12 U	12 U	13 U	12 U	12 U	12 U
1,1,1-Trichloroethane	ug/kg	12 U	12 U	12 U	13 U	12 U	12 U	12 U
Carbon Tetrachloride	ug/kg	12 U	12 U	12 U	13 U	12 U	12 U	12 U
Vinyl Acetate	ug/kg							
Bromodichloromethane	ug/kg	12 U	12 U	12 U	13 U	12 U	12 U	12 U
1,2-Dichloropropane	ug/kg	12 U	12 U	12 U	13 U	12 U	12 U	12 U
cis-1,3-Dichloropropene	ug/kg	12 U	12 U	12 U	13 U	12 U	12 U	12 U
Trichloroethene	ug/kg	12 U	100	78	13 U	12 U	12 U	12 U
Dibromochloromethane	ug/kg	12 U	12 U	12 U	13 U	12 U	12 U	12 U
1,1,2-Trichloroethane	ug/kg	12 U	12 U	12 U	13 U	12 U	12 U	12 U
Benzene	ug/kg	12 U	12 U	12 U	13 U	12 U	12 U	12 U
trans-1,3-Dichloropropene	ug/kg	12 U	12 U	12 U	13 U	12 U	12 U	12 U
Bromoform	ug/kg	12 U	12 U	12 U	13 U	12 U	12 U	12 U
4-Methyl-2-Pentanone	ug/kg	12 U	12 U	12 U	13 U	12 U	12 U	12 U
2-Hexanone	ug/kg	12 U	12 U	12 U	13 U	12 U	12 U	12 U
Tetrachloroethene	ug/kg	12 U	12 U	12 U	13 U	12 U	12 U	12 U
1,1,2,2-Tetrachloroethane	ug/kg	12 U	12 U	12 U	13 U	12 U	12 U	12 U
Toluene	ug/kg	12 U	12 U	12 U	13 U	12 U	12 U	12 U
Chlorobenzene	ug/kg	12 U	12 U	12 U	13 U	12 U	12 U	12 U
Ethylbenzene	ug/kg	12 U	12 U	12 U	13 U	12 U	12 U	12 U
Styrene	ug/kg	12 U	12 U	12 U	13 U	12 U	12 U	12 U
Xylene (total)	ug/kg	12 U	12 U	12 U	13 U	12 U	12 U	12 U
							DUP GB26-1	

OB GROUNDS - PHASE II
GRID BORING SOILS
SUMMARY OF VALIDATED RESULTS

COMPOUND	MATRIX LOCATION DEPTH DATE ES ID LAB ID UNITS	SOIL OB 2-4 01/18/93 GB24-2 177413	SOIL OB 0-2 01/18/93 GB25-1 177414	SOIL OB 2-4 01/18/93 GB25-2 177415	SOIL OB 0-2 01/19/93 GB26-1 177516	SOIL OB 2-4 01/19/93 GB26-2 177518	SOIL OB 0-2 01/19/93 GB26-4 177520 DUP GB26-1	SOIL OB 0-2 01/19/93 GB27-1 177521
Semivolatiles								
Phenol	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
bis(2-Chloroethyl) ether	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
2-Chlorophenol	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
1,3-Dichlorobenzene	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
1,4-Dichlorobenzene	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
Benzyl Alcohol	ug/kg							
1,2-Dichlorobenzene	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
2-Methylphenol	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
2,2'-oxybis(1-Chloropropane)	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
4-Methylphenol	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
N-Nitroso-di-n-propylamine	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
Hexachloroethane	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
Nitrobenzene	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
Isophorone	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
2-Nitrophenol	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
2,4-Dimethylphenol	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
Benzoic acid	ug/kg							
bis(2-Chloroethoxy) methane	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
2,4-Dichlorophenol	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
1,2,4-Trichlorobenzene	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
Naphthalene	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
4-Chloroaniline	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
Hexachlorobutadiene	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
4-Chloro-3-methylphenol	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
2-Methylnaphthalene	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
Hexachlorocyclopentadiene	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
2,4,6-Trichlorophenol	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
2,4,5-Trichlorophenol	ug/kg	880 U	970 U	890 U	980 U	980 U	990 U	950 U
2-Chloronaphthalene	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
2-Nitroaniline	ug/kg	880 U	970 U	890 U	980 U	980 U	990 U	950 U
Dimethylphthalate	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
Acenaphthylene	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
2,6-Dinitrotoluene	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
3-Nitroaniline	ug/kg	880 U	970 U	890 U	980 U	980 U	990 U	950 U
Acenaphthene	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
2,4-Dinitrophenol	ug/kg	880 U	970 U	890 U	980 U	980 U	990 U	950 U
4-Nitrophenol	ug/kg	880 U	970 U	890 U	980 U	980 U	990 U	950 U
Dibenzofuran	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
2,4-Dinitrotoluene	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
Diethylphthalate	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
4-Chlorophenyl-phenylether	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
Fluorene	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
4-Nitroaniline	ug/kg	880 U	970 U	890 U	980 U	980 U	990 U	950 U
4,6-Dinitro-2-methylphenol	ug/kg	880 U	970 U	890 U	980 U	980 U	990 U	950 U
N-Nitrosodiphenylamine	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
4-Bromophenyl-phenylether	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
Hexachlorobenzene	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
Pentachlorophenol	ug/kg	880 U	970 U	890 U	980 U	140 J	990 U	950 U
Phenanthrene	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
Anthracene	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
Carbazole	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
Di-n-butylphthalate	ug/kg	34 J	260 J	78 J	400 U	400 U	410 U	390 U
Fluoranthene	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
Pyrene	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
Butylbenzylphthalate	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
3,3'-Dichlorobenzidine	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
Benzo(a)anthracene	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
Chrysene	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
bis(2-Ethylhexyl)phthalate	ug/kg	120 J	420	190 J	870	400 U	1400	870
Di-n-octylphthalate	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
Benzo(b)fluoranthene	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
Benzo(k)fluoranthene	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
Benzo(a)pyrene	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
Indeno(1,2,3-cd)pyrene	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
Dibenz(a,h)anthracene	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U
Benzo(g,h,i)perylene	ug/kg	360 U	400 U	370 U	400 U	400 U	410 U	390 U

OB GROUNDS – PHASE II
GRID BORING SOILS
SUMMARY OF VALIDATED RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB	OB
	DEPTH	2-4	0-2	2-4	0-2	2-4	0-2	0-2
	DATE	01/18/93	01/18/93	01/18/93	01/19/93	01/19/93	01/19/93	01/19/93
	ES ID	GB24-2	GB25-1	GB25-2	GB26-1	GB26-2	GB26-4	GB27-1
	LAB ID	177413	177414	177415	177516	177518	177520	177521
	UNITS						DUP GB26-1	
Pesticides/PCBs								
alpha-BHC	ug/kg	1.8 U	2 U	1.9 U	2.1 U	2.1 U	2.1 U	2 U
beta-BHC	ug/kg	1.8 U	2 U	1.9 U	2.1 U	2.1 U	2.1 U	2 U
delta-BHC	ug/kg	1.8 U	2 U	1.9 U	2.1 U	2.1 U	2.1 U	2 U
gamma-BHC (Lindane)	ug/kg	1.8 U	2 U	1.9 U	2.1 U	2.1 U	2.1 U	2 U
Heptachlor	ug/kg	1.8 U	2 U	1.9 U	2.1 U	2.1 U	2.1 U	2 U
Aldrin	ug/kg	1.8 U	2 U	1.9 U	2.1 U	2.1 U	2.1 U	2 U
Heptachlor epoxide	ug/kg	1.8 U	2 U	1.9 U	2.1 U	2.1 U	2.1 U	2 U
Endosulfan I	ug/kg	1.8 U	2 U	1.9 U	2.1 U	2.1 U	2.1 U	2 U
Dieldrin	ug/kg	3.6 U	4 U	3.6 U	4 U	4.1 U	4.1 U	3.9 U
4,4'-DDE	ug/kg	3.6 U	4 U	3.6 U	4 U	4.1 U	4.1 U	3.9 U
Endrin	ug/kg	3.6 U	4 U	3.6 U	4 U	4.1 U	4.1 U	3.9 U
Endosulfan II	ug/kg	3.6 U	4 U	3.6 U	4 U	4.1 U	4.1 U	3.9 U
4,4'-DDD	ug/kg	3.6 U	4 U	3.6 U	4 U	4.1 U	4.1 U	3.9 U
Endosulfan sulfate	ug/kg	3.6 U	4 U	3.6 U	4 U	4.1 U	4.1 U	3.9 U
4,4'-DDT	ug/kg	3.6 U	4 U	3.6 U	4 U	4.1 U	4.1 U	3.9 U
Methoxychlor	ug/kg	18 U	20 U	19 U	21 U	21 U	21 U	20 U
Endrin ketone	ug/kg	3.6 U	4 U	3.6 U	4 U	4.1 U	4.1 U	3.9 U
Endrin aldehyde	ug/Kg	3.6 U	4 U	3.6 U	4 U	4.1 U	4.1 U	3.9 U
alpha-Chlordane	ug/kg	1.8 U	2 U	1.9 U	2.1 U	2.1 U	2.1 U	2 U
gamma-Chlordane	ug/kg	1.8 U	2 U	1.9 U	2.1 U	2.1 U	2.1 U	2 U
Toxaphene	ug/kg	180 U	200 U	190 U	210 U	210 U	210 U	200 U
Aroclor-1016	ug/kg	36 U	40 U	36 U	40 U	41 U	41 U	39 U
Aroclor-1221	ug/kg	73 U	80 U	73 U	82 U	84 U	83 U	80 U
Aroclor-1232	ug/kg	36 U	40 U	36 U	40 U	41 U	41 U	39 U
Aroclor-1242	ug/kg	36 U	40 U	36 U	40 U	41 U	41 U	39 U
Aroclor-1248	ug/kg	36 U	40 U	36 U	40 U	41 U	41 U	39 U
Aroclor-1254	ug/kg	36 U	40 U	36 U	40 U	41 U	41 U	39 U
Aroclor-1260	ug/kg	36 U	40 U	36 U	40 U	41 U	41 U	39 U

OB GROUNDS – PHASE II
GRID BORING SOILS
SUMMARY OF VALIDATED RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB	OB
	DEPTH	2-4	0-2	2-4	0-2	2-4	0-2	0-2
	DATE	01/18/93	01/18/93	01/18/93	01/19/93	01/19/93	01/19/93	01/19/93
	ES ID	GB24-2	GB25-1	GB25-2	GB26-1	GB26-2	GB26-4	GB27-1
	LAB ID	177413	177414	177415	177516	177518	177520	177521
	UNITS						DUP GB26-1	
Explosives								
HMX	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
RDX	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
1,3,5-Trinitrobenzene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
1,3-Dinitrobenzene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Tetryl	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
2,4,6-Trinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
4-amino-2,6-Dinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
2-amino-4,6-Dinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
2,6-Dinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
2,4-Dinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Metals								
Aluminum	mg/kg	7440	15000	14900	16500	11900	17400	14500
Antimony	mg/kg	5.8 UJ	6.6 UJ	5.4 UJ	6.5 UJ	5.9 UJ	6.1 UJ	5.6 UJ
Arsenic	mg/kg	1.5 J	4.1 J	2.2 J	6.5	5.2	5.4	5.9
Barium	mg/kg	42.5 J	103 J	75.9 J	120	73.3	176	90.9
Beryllium	mg/kg	0.4 J	0.7	0.66	0.91	0.57	0.89	0.71
Cadmium	mg/kg	0.33 U	0.37 U	0.31 U	0.37 U	0.34 U	0.35 U	0.32 U
Calcium	mg/kg	1060	38100	22900	4010	4070	4370	5680
Chromium	mg/kg	14.1	25.4	27.1	26.4	21.8	28.7	24.5
Cobalt	mg/kg	13.6	10.8	15.8	13.2	11.4	16.5	12.4
Copper	mg/kg	27.4	39.1	41.7	30.1	40.8	41.2	32.3
Iron	mg/kg	16100	29100	31400	31900	27600	34400	28200
Lead	mg/kg	17.9	57.2	22.1	67.5	21.5	32.7	16.8
Magnesium	mg/kg	3460	7800	6830	5490	4800	6100	5790
Manganese	mg/kg	346	416	362	422 J	498	1270 J	659
Mercury	mg/kg	0.03 J	0.04 J	0.04 J	0.06 J	0.03 U	0.06 J	0.06 J
Nickel	mg/kg	32.7	45.4	54.7	40.9	41.2	49	45.6
Potassium	mg/kg	592	1440	1300	1580	948	1740	1320
Selenium	mg/kg	0.3 J	0.75 J	0.58 J	0.15 UJ	0.16 UJ	0.27 UJ	0.22 UJ
Silver	mg/kg	0.34 U	0.38 U	0.32 U	0.38 U	0.35 U	0.36 U	0.33 U
Sodium	mg/kg	32.2 U	93.5 J	82.6 J	65.2 J	53.6 J	71.7 J	60.2 J
Thallium	mg/kg	0.57 U	0.54 U	0.51 U	0.34 U	0.36 U	0.65 U	0.52 U
Vanadium	mg/kg	10	22.6	20.2	27.5	20.3	29.3	22.9
Zinc	mg/kg	45.4	103	56.7	90.3	87.9	93.4	99.4
Cyanide	mg/kg	0.63 U	0.73 U	0.62 U	0.75 U	0.77 U	0.81 U	0.7 U

OB GROUNDS – PHASE II
GRID BORING SOILS
SUMMARY OF VALIDATED RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB	OB
	DEPTH	4-6	0-2	2-4	0-2	2-4	0-2	0-2
	DATE	01/19/93	01/14/93	01/14/93	01/19/93	01/19/93	01/19/93	01/18/93
	ES ID	GB27-3	GB28-1	GB28-2	GB29-1	GB29-2	GB29-4	GB30-1
	LAB ID	177523	177356	177358	177416	177417	177418	177419
	UNITS						DUP GB29-1	
Volatile Organic Compounds								
Chloromethane	ug/kg	12 U	11 U	12 U	12 U	11 U	12 U	12 U
Bromomethane	ug/kg	12 U	11 U	12 U	12 U	11 U	12 U	12 U
Vinyl Chloride	ug/kg	12 U	11 U	12 U	12 U	11 U	12 U	12 U
Chloroethane	ug/kg	12 U	11 U	12 U	12 U	11 U	12 U	12 U
Methylene Chloride	ug/kg	12 U	4 J	12 U	12 U	11 U	12 U	12 U
Acetone	ug/kg	12 U	11 U	12 U	12 U	11 U	12 U	12 U
Carbon Disulfide	ug/kg	12 U	11 U	12 U	12 U	11 U	12 U	12 U
1,1-Dichloroethene	ug/kg	12 U	11 U	12 U	12 U	11 U	12 U	12 U
1,1-Dichloroethane	ug/kg	12 U	11 U	12 U	12 U	11 U	12 U	12 U
1,2-Dichloroethene (total)	ug/kg	12 U	11 U	12 U	12 U	11 U	12 U	12 U
Chloroform	ug/kg	12 U	11 U	12 U	12 U	11 U	12 U	12 U
1,2-Dichloroethane	ug/kg	12 U	11 U	12 U	12 U	11 U	12 U	12 U
2-Butanone	ug/kg	12 U	11 U	12 U	12 U	11 U	12 U	12 U
1,1,1-Trichloroethane	ug/kg	12 U	11 U	12 U	12 U	11 U	12 U	12 U
Carbon Tetrachloride	ug/kg	12 U	11 U	12 U	12 U	11 U	12 U	12 U
Vinyl Acetate	ug/kg							
Bromodichloromethane	ug/kg	12 U	11 U	12 U	12 U	11 U	12 U	12 U
1,2-Dichloropropane	ug/kg	12 U	11 U	12 U	12 U	11 U	12 U	12 U
cis-1,3-Dichloropropene	ug/kg	12 U	11 U	12 U	12 U	11 U	12 U	12 U
Trichloroethene	ug/kg	12 U	11 U	12 U	12 U	11 U	12 U	12 U
Dibromochloromethane	ug/kg	12 U	11 U	12 U	12 U	11 U	12 U	12 U
1,1,2-Trichloroethane	ug/kg	12 U	11 U	12 U	12 U	11 U	12 U	12 U
Benzene	ug/kg	12 U	11 U	12 U	12 U	11 U	12 U	12 U
trans-1,3-Dichloropropene	ug/kg	12 U	11 U	12 U	12 U	11 U	12 U	12 U
Bromoform	ug/kg	12 U	11 U	12 U	12 U	11 U	12 U	12 U
4-Methyl-2-Pentanone	ug/kg	12 U	11 U	12 U	12 U	11 U	12 U	12 U
2-Hexanone	ug/kg	12 U	11 U	12 U	12 U	11 U	12 U	12 U
Tetrachloroethene	ug/kg	12 U	11 U	12 U	12 U	11 U	12 U	12 U
1,1,2,2-Tetrachloroethane	ug/kg	12 U	11 U	12 U	12 U	11 U	12 U	12 U
Toluene	ug/kg	12 U	11 U	12 U	12 U	11 U	12 U	12 U
Chlorobenzene	ug/kg	12 U	11 U	12 U	12 U	11 U	12 U	12 U
Ethylbenzene	ug/kg	12 U	11 U	12 U	12 U	11 U	12 U	12 U
Styrene	ug/kg	12 U	11 U	12 U	12 U	11 U	12 U	12 U
Xylene (total)	ug/kg	12 U	11 U	12 U	12 U	11 U	12 U DUP GB29-1	12 U

OB GROUNDS - PHASE II
GRID BORING SOILS
SUMMARY OF VALIDATED RESULTS

COMPOUND	MATRIX LOCATION DEPTH DATE ES ID LAB ID UNITS	SOIL OB 4-6 01/19/93 GB27-3 177523	SOIL OB 0-2 01/14/93 GB28-1 177356	SOIL OB 2-4 01/14/93 GB28-2 177358	SOIL OB 0-2 01/19/93 GB29-1 177416	SOIL OB 2-4 01/19/93 GB29-2 177417	SOIL OB 0-2 01/19/93 GB29-4 177418 DUP GB29-1	SOIL OB 0-2 01/18/93 GB30-1 177419
Semivolatiles								
Phenol	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
bis(2-Chloroethyl) ether	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
2-Chlorophenol	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
1,3-Dichlorobenzene	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
1,4-Dichlorobenzene	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
Benzyl Alcohol	ug/kg							
1,2-Dichlorobenzene	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
2-Methylphenol	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
2,2'-oxybis(1-Chloropropane)	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
4-Methylphenol	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
N-Nitroso-di-n-propylamine	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
Hexachloroethane	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
Nitrobenzene	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
Isophorone	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
2-Nitrophenol	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
2,4-Dimethylphenol	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
Benzoic acid	ug/kg							
bis(2-Chloroethoxy) methane	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
2,4-Dichlorophenol	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
1,2,4-Trichlorobenzene	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
Naphthalene	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
4-Chloroaniline	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
Hexachlorobutadiene	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
4-Chloro-3-methylphenol	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
2-Methylnaphthalene	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
Hexachlorocyclopentadiene	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
2,4,6-Trichlorophenol	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
2,4,5-Trichlorophenol	ug/kg	940 U	920 U	890 U	1000 U	920 U	950 U	950 U
2-Chloronaphthalene	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
2-Nitroaniline	ug/kg	940 U	920 U	890 U	1000 U	920 U	950 U	950 U
Dimethylphthalate	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
Acenaphthylene	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
2,6-Dinitrotoluene	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
3-Nitroaniline	ug/kg	940 U	920 U	890 U	1000 U	920 U	950 U	950 U
Acenaphthene	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
2,4-Dinitrophenol	ug/kg	940 U	920 U	890 U	1000 U	920 U	950 U	950 U
4-Nitrophenol	ug/kg	940 U	920 U	890 U	1000 U	920 U	950 U	950 U
Dibenzofuran	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
2,4-Dinitrotoluene	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
Diethylphthalate	ug/kg	390 U	380 U	370 U	420 U	380 U	30 J	26 J
4-Chlorophenyl-phenylether	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
Fluorene	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
4-Nitroaniline	ug/kg	940 U	920 U	890 U	1000 U	920 U	950 U	950 U
4,6-Dinitro-2-methylphenol	ug/kg	940 U	920 U	890 U	1000 U	920 U	950 U	950 U
N-Nitrosodiphenylamine	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
4-Bromophenyl-phenylether	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
Hexachlorobenzene	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
Pentachlorophenol	ug/kg	940 U	920 U	890 U	1000 U	920 U	950 U	950 U
Phenanthrene	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
Anthracene	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
Carbazole	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
Di-n-butylphthalate	ug/kg	390 U	380 U	25 J	30 J	61 J	22 J	37 J
Fluoranthene	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
Pyrene	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
Butylbenzylphthalate	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
3,3'-Dichlorobenzidine	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
Benzo(a)anthracene	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
Chrysene	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
bis(2-Ethylhexyl)phthalate	ug/kg	700	380 U	370 U	280 J	230 J	140 J	150 J
Di-n-octylphthalate	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
Benzo(b)fluoranthene	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
Benzo(k)fluoranthene	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
Benzo(a)pyrene	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
Indeno(1,2,3-cd)pyrene	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
Dibenz(a,h)anthracene	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U
Benzo(g,h,i)perylene	ug/kg	390 U	380 U	370 U	420 U	380 U	390 U	390 U

OB GROUNDS – PHASE II
GRID BORING SOILS
SUMMARY OF VALIDATED RESULTS

COMPOUND	MATRIX LOCATION DEPTH DATE ES ID LAB ID UNITS	SOIL OB 4-6 01/19/93 GB27-3 177523	SOIL OB 0-2 01/14/93 GB28-1 177356	SOIL OB 2-4 01/14/93 GB28-2 177358	SOIL OB 0-2 01/19/93 GB29-1 177416	SOIL OB 2-4 01/19/93 GB29-2 177417	SOIL OB 0-2 01/19/93 GB29-4 177418 DUP GB29-1	SOIL OB 0-2 01/18/93 GB30-1 177419
Pesticides/PCBs								
alpha-BHC	ug/kg	2 U	1.9 U	1.9 U	2.2 U	1.9 U	2 U	2 U
beta-BHC	ug/kg	2 U	1.9 U	1.9 U	2.2 U	1.9 U	2 U	2 U
delta-BHC	ug/kg	2 U	1.9 U	1.9 U	2.2 U	1.9 U	2 U	2 U
gamma-BHC (Lindane)	ug/kg	2 U	1.9 U	1.9 U	2.2 U	1.9 U	2 U	2 U
Heptachlor	ug/kg	2 U	1.9 U	1.9 U	2.2 U	1.9 U	2 U	2 U
Aldrin	ug/kg	2 U	1.9 U	1.9 U	2.2 U	1.9 U	2 U	2 U
Heptachlor epoxide	ug/kg	2 U	1.9 U	1.9 U	2.2 U	1.9 U	2 U	2 U
Endosulfan I	ug/kg	2 U	1.9 U	1.9 U	2.2 U	1.9 U	2 U	2 U
Dieldrin	ug/kg	3.9 U	3.7 U	3.7 U	4.2 U	3.8 U	3.9 U	3.9 U
4,4'-DDE	ug/kg	3.9 U	3.7 U	3.7 U	4.2 U	3.8 U	3.9 U	3.9 U
Endrin	ug/kg	3.9 U	3.7 U	3.7 U	4.2 U	3.8 U	3.9 U	3.9 U
Endosulfan II	ug/kg	3.9 U	3.7 U	3.7 U	4.2 U	3.8 U	3.9 U	3.9 U
4,4'-DDD	ug/kg	3.9 U	3.7 U	3.7 U	4.2 U	3.8 U	3.9 U	3.9 U
Endosulfan sulfate	ug/kg	3.9 U	3.7 U	3.7 U	4.2 U	3.8 U	3.9 U	3.9 U
4,4'-DDT	ug/kg	3.9 U	3.7 U	3.7 U	4.2 U	3.8 U	3.9 U	3.9 U
Methoxychlor	ug/kg	20 U	19 U	19 U	22 U	19 U	20 U	20 U
Endrin ketone	ug/kg	3.9 U	3.7 U	3.7 U	4.2 U	3.8 U	3.9 U	3.9 U
Endrin aldehyde	ug/Kg	3.9 U	3.7 U	3.7 U	4.2 U	3.8 U	3.9 U	3.9 U
alpha-Chlordane	ug/kg	2 U	1.9 U	1.9 U	2.2 U	1.9 U	2 U	2 U
gamma-Chlordane	ug/kg	2 U	1.9 U	1.9 U	2.2 U	1.9 U	2 U	2 U
Toxaphene	ug/kg	200 U	190 U	190 U	220 U	190 U	200 U	200 U
Aroclor-1016	ug/kg	39 U	37 U	37 U	42 U	38 U	39 U	39 U
Aroclor-1221	ug/kg	78 U	78 U	75 U	85 U	77 U	80 U	80 U
Aroclor-1232	ug/kg	39 U	37 U	37 U	42 U	38 U	39 U	39 U
Aroclor-1242	ug/kg	39 U	37 U	37 U	42 U	38 U	39 U	39 U
Aroclor-1248	ug/kg	39 U	37 U	37 U	42 U	38 U	39 U	39 U
Aroclor-1254	ug/kg	39 U	37 U	37 U	42 U	38 U	39 U	39 U
Aroclor-1260	ug/kg	39 U	37 U	37 U	42 U	38 U	39 U	39 U

OB GROUNDS - PHASE II
GRID BORING SOILS
SUMMARY OF VALIDATED RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB	OB
	DEPTH	4-6	0-2	2-4	0-2	2-4	0-2	0-2
	DATE	01/19/93	01/14/93	01/14/93	01/19/93	01/19/93	01/19/93	01/18/93
	ES ID	GB27-3	GB28-1	GB28-2	GB29-1	GB29-2	GB29-4	GB30-1
	LAB ID	177523	177356	177358	177416	177417	177418	177419
	UNITS						DUP GB29-1	
Explosives								
HMX	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
RDX	ug/kg	120 U	120 U	120 U	98 J	120 U	120 U	120 U
1,3,5-Trinitrobenzene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
1,3-Dinitrobenzene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Tetryl	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
2,4,6-Trinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
4-amino-2,6-Dinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
2-amino-4,6-Dinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
2,6-Dinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
2,4-Dinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Metals								
Aluminum	mg/kg	13800	11000	11600	14200	11400	13000	10900
Antimony	mg/kg	6.2 UJ	5.9 UJ	5.3 UJ	6.6 J	6.1 UJ	6.4 UJ	5.6 UJ
Arsenic	mg/kg	4.6	2.2 J	3.3 J	6.4 J	5 J	5.3 J	5.2 J
Barium	mg/kg	71.5	73.4 J	72.9 J	395 J	44.6 J	293 J	100 J
Beryllium	mg/kg	0.64	0.55	0.55	0.71	0.49 J	0.56 J	0.55
Cadmium	mg/kg	0.35 U	0.34 U	0.31 U	0.35 U	0.35 U	0.37 U	0.33 U
Calcium	mg/kg	41700	75800	54300	23500	1480	25200	99000
Chromium	mg/kg	24.7	17.4	20.4	23.6	21	20.6	17.6
Cobalt	mg/kg	11.8	10.3	9.6	13	12.8	9.6	8.4
Copper	mg/kg	33.1	24.6	30.3	179	27.5	104	19.5
Iron	mg/kg	26400	21200	24700	28100	24400	23500	21100
Lead	mg/kg	17.7	12.9	15.2	457	26.2	209	11.4
Magnesium	mg/kg	8600	11300	8030	7920	5250	6780	12300
Manganese	mg/kg	421	440	363	721	233	476	475
Mercury	mg/kg	0.03 U	0.05 J	0.04 J	0.04 J	0.04 J	0.06 J	0.03 U
Nickel	mg/kg	41.3	34.4	37.9	41.6	45	32.6	28.9
Potassium	mg/kg	1640	1270	1050	1440	909	1280	1230
Selenium	mg/kg	0.16 UJ	0.63 J	0.73 J	0.52 J	0.22 UJ	0.22 UJ	0.23 UJ
Silver	mg/kg	0.36 U	0.35 U	0.32 U	0.36 U	0.36 U	0.44 R	0.35 R
Sodium	mg/kg	113 J	165 J	120 J	87 J	38.6 J	85 J	188 J
Thallium	mg/kg	0.38 U	0.38 U	0.45 U	0.51 U	0.52 U	0.51 U	0.54 U
Vanadium	mg/kg	20.7	17.5	17.7	24.5	15.8	21.9	17.5
Zinc	mg/kg	93.9	70.3	84.9	152 J	83.8	684 J	68.9
Cyanide	mg/kg	0.71 U	0.65 U	0.59 U	0.75 U	0.69 U	0.72 U	0.71 U

OB GROUNDS - PHASE II
GRID BORING SOILS
SUMMARY OF VALIDATED RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB	OB
	DEPTH	4-6	0-2	2-4	0-2	4-5	0-2	2-4
	DATE	01/18/93	01/15/93	01/15/93	01/15/93	01/15/93	01/18/93	01/18/93
	ES ID	GB30-3	GB31-1	GB31-2	GB32-1	GB32-3	GB33-1	GB33-2
	LAB ID	177421	177359	177360	177361	177363	177422	177423
	UNITS							
Volatile Organic Compounds								
Chloromethane	ug/kg	11 U	12 U	12 U	12 U	12 U	12 U	11 U
Bromomethane	ug/kg	11 U	12 U	12 U	12 U	12 U	12 U	11 U
Vinyl Chloride	ug/kg	11 U	12 U	12 U	12 U	12 U	12 U	11 U
Chloroethane	ug/kg	11 U	12 U	12 U	12 U	12 U	12 U	11 U
Methylene Chloride	ug/kg	11 U	12 U	12 U	12 U	2 J	12 U	11 U
Acetone	ug/kg	11 U	12 U	12 U	12 U	12 U	12 U	11 U
Carbon Disulfide	ug/kg	11 U	12 U	12 U	12 U	12 U	12 U	11 U
1,1-Dichloroethene	ug/kg	11 U	12 U	12 U	12 U	12 U	12 U	11 U
1,1-Dichloroethane	ug/kg	11 U	12 U	12 U	12 U	12 U	12 U	11 U
1,2-Dichloroethene (total)	ug/kg	11 U	12 U	12 U	12 U	12 U	12 U	11 U
Chloroform	ug/kg	11 U	12 U	12 U	12 U	12 U	12 U	11 U
1,2-Dichloroethane	ug/kg	11 U	12 U	12 U	12 U	12 U	12 U	11 U
2-Butanone	ug/kg	11 U	12 U	12 U	12 U	12 U	12 U	11 U
1,1,1-Trichloroethane	ug/kg	11 U	12 U	12 U	12 U	12 U	12 U	11 U
Carbon Tetrachloride	ug/kg	11 U	12 U	12 U	12 U	12 U	12 U	11 U
Vinyl Acetate	ug/kg							
Bromodichloromethane	ug/kg	11 U	12 U	12 U	12 U	12 U	12 U	11 U
1,2-Dichloropropane	ug/kg	11 U	12 U	12 U	12 U	12 U	12 U	11 U
cis-1,3-Dichloropropene	ug/kg	11 U	12 U	12 U	12 U	12 U	12 U	11 U
Trichloroethene	ug/kg	11 U	12 U	12 U	12 U	12 U	12 U	11 U
Dibromochloromethane	ug/kg	11 U	12 U	12 U	12 U	12 U	12 U	11 U
1,1,2-Trichloroethane	ug/kg	11 U	12 U	12 U	12 U	12 U	12 U	11 U
Benzene	ug/kg	11 U	12 U	12 U	12 U	12 U	12 U	11 U
trans-1,3-Dichloropropene	ug/kg	11 U	12 U	12 U	12 U	12 U	12 U	11 U
Bromoform	ug/kg	11 U	12 U	12 U	12 U	12 U	12 U	11 U
4-Methyl-2-Pentanone	ug/kg	11 U	12 U	12 U	12 U	12 U	12 U	11 U
2-Hexanone	ug/kg	11 U	12 U	12 U	12 U	12 U	12 U	11 U
Tetrachloroethene	ug/kg	11 U	12 U	12 U	12 U	12 U	12 U	11 U
1,1,2,2-Tetrachloroethane	ug/kg	11 U	12 U	12 U	12 U	12 U	12 U	11 U
Toluene	ug/kg	11 U	12 U	12 U	12 U	12 U	12 U	11 U
Chlorobenzene	ug/kg	11 U	12 U	12 U	12 U	12 U	12 U	11 U
Ethylbenzene	ug/kg	11 U	12 U	12 U	12 U	12 U	12 U	11 U
Styrene	ug/kg	11 U	12 U	12 U	12 U	12 U	12 U	11 U
Xylene (total)	ug/kg	11 U	12 U	12 U	12 U	12 U	12 U	11 U

OB GROUNDS – PHASE II
GRID BORING SOILS
SUMMARY OF VALIDATED RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB	OB
	DEPTH	4-6	0-2	2-4	0-2	4-5	0-2	2-4
	DATE	01/18/93	01/15/93	01/15/93	01/15/93	01/15/93	01/18/93	01/18/93
	ES ID	GB30-3	GB31-1	GB31-2	GB32-1	GB32-3	GB33-1	GB33-2
	LAB ID	177421	177359	177360	177361	177363	177422	177423
	UNITS							
Semivolatiles								
Phenol	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
bis(2-Chloroethyl) ether	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
2-Chlorophenol	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
1,3-Dichlorobenzene	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
1,4-Dichlorobenzene	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
Benzyl Alcohol	ug/kg							
1,2-Dichlorobenzene	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
2-Methylphenol	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
2,2'-oxybis(1-Chloropropane)	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
4-Methylphenol	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
N-Nitroso-di-n-propylamine	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
Hexachloroethane	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
Nitrobenzene	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
Isophorone	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
2-Nitrophenol	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
2,4-Dimethylphenol	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
Benzoic acid	ug/kg							
bis(2-Chloroethoxy) methane	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
2,4-Dichlorophenol	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
1,2,4-Trichlorobenzene	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
Naphthalene	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
4-Chloroaniline	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
Hexachlorobutadiene	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
4-Chloro-3-methylphenol	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
2-Methylnaphthalene	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
Hexachlorocyclopentadiene	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
2,4,6-Trichlorophenol	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
2,4,5-Trichlorophenol	ug/kg	870 U	960 U	990 U	980 U	880 U	930 U	880 U
2-Chloronaphthalene	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
2-Nitroaniline	ug/kg	870 U	960 U	990 U	980 U	880 U	930 U	880 U
Dimethylphthalate	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
Acenaphthylene	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
2,6-Dinitrotoluene	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
3-Nitroaniline	ug/kg	870 U	960 U	990 U	980 U	880 U	930 U	880 U
Acenaphthene	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
2,4-Dinitrophenol	ug/kg	870 U	960 U	990 U	980 U	880 U	930 U	880 U
4-Nitrophenol	ug/kg	870 U	960 U	990 U	980 U	880 U	930 U	880 U
Dibenzofuran	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
2,4-Dinitrotoluene	ug/kg	360 U	410	410 U	410 U	360 U	380 U	360 U
Diethylphthalate	ug/kg	23 J	400 U	410 U	410 U	360 U	21 J	360 U
4-Chlorophenyl-phenylether	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
Fluorene	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
4-Nitroaniline	ug/kg	870 U	960 U	990 U	980 U	880 U	930 U	880 U
4,6-Dinitro-2-methylphenol	ug/kg	870 U	960 U	990 U	980 U	880 U	930 U	880 U
N-Nitrosodiphenylamine	ug/kg	360 U	100 J	410 U	410 U	360 U	380 U	360 U
4-Bromophenyl-phenylether	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
Hexachlorobenzene	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
Pentachlorophenol	ug/kg	870 U	960 U	990 U	980 U	880 U	930 U	880 U
Phenanthrene	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
Anthracene	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
Carbazole	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
Di-n-butylphthalate	ug/kg	60 J	23 J	120 J	410 U	24 J	22 J	33 J
Fluoranthene	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
Pyrene	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
Butylbenzylphthalate	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
3,3'-Dichlorobenzidine	ug/kg	380 U	400 U	410 U	410 U	360 U	380 U	360 U
Benzo(a)anthracene	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
Chrysene	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
bis(2-Ethylhexyl)phthalate	ug/kg	200 J	400 U	610	410 U	360 U	360 J	180 J
Di-n-octylphthalate	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
Benzo(b)fluoranthene	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
Benzo(k)fluoranthene	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
Benzo(a)pyrene	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
Indeno(1,2,3-cd)pyrene	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
Dibenz(a,h)anthracene	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U
Benzo(g,h,i)perylene	ug/kg	360 U	400 U	410 U	410 U	360 U	380 U	360 U

OB GROUNDS - PHASE II
GRID BORING SOILS
SUMMARY OF VALIDATED RESULTS

COMPOUND	MATRIX LOCATION DEPTH DATE ES ID LAB ID UNITS	SOIL OB 4-6 01/18/93 GB30-3 177421	SOIL OB 0-2 01/15/93 GB31-1 177359	SOIL OB 2-4 01/15/93 GB31-2 177360	SOIL OB 0-2 01/15/93 GB32-1 177361	SOIL OB 4-5 01/15/93 GB32-3 177363	SOIL OB 0-2 01/18/93 GB33-1 177422	SOIL OB 2-4 01/18/93 GB33-2 177423
Pesticides/PCBs								
alpha-BHC	ug/kg	1.8 U	2.1 U	2.1 U	2.1 U	1.9 U	2 U	1.9 U
beta-BHC	ug/kg	1.8 U	2.1 U	2.1 U	2.1 U	1.9 U	2 U	1.9 U
delta-BHC	ug/kg	1.8 U	2.1 U	2.1 U	2.1 U	1.9 U	2 U	1.9 U
gamma-BHC (Lindane)	ug/kg	1.8 U	2.1 U	2.1 U	2.1 U	1.9 U	2 U	1.9 U
Heptachlor	ug/kg	1.8 U	2.1 U	2.1 U	2.1 U	1.9 U	2 U	1.9 U
Aldrin	ug/kg	1.8 U	2.1 U	2.1 U	2.1 U	1.9 U	2 U	1.9 U
Heptachlor epoxide	ug/kg	1.8 U	2.1 U	2.1 U	2.1 U	1.9 U	2 U	1.9 U
Endosulfan I	ug/kg	1.8 U	2.1 U	2.1 U	2.1 U	1.9 U	2 U	1.9 U
Dieldrin	ug/kg	3.6 U	4 U	4.1 U	4 U	3.7 U	3.9 U	3.6 U
4,4'-DDE	ug/kg	3.6 U	2.4 J	4.1 U	4 U	3.7 U	3.9 U	3.6 U
Endrin	ug/kg	3.6 U	4 U	4.1 U	4 U	3.7 U	3.9 U	3.6 U
Endosulfan II	ug/kg	3.6 U	4 U	4.1 U	4 U	3.7 U	3.9 U	3.6 U
4,4'-DDD	ug/kg	3.6 U	4 U	4.1 U	4 U	3.7 U	3.9 U	3.6 U
Endosulfan sulfate	ug/kg	3.6 U	4 U	4.1 U	4 U	3.7 U	3.9 U	3.6 U
4,4'-DDT	ug/kg	3.6 U	4 U	4.1 U	4 U	3.7 U	3.9 U	3.6 U
Methoxychlor	ug/kg	18 U	21 U	21 U	21 U	19 U	20 U	19 U
Endrin ketone	ug/kg	3.6 U	4 U	4.1 U	4 U	3.7 U	3.9 U	3.6 U
Endrin aldehyde	ug/Kg	3.6 U	4 U	4.1 U	4 U	3.7 U	3.9 U	3.6 U
alpha-Chlordane	ug/kg	1.8 U	2.1 U	2.1 U	2.1 U	1.9 U	2 U	1.9 U
gamma-Chlordane	ug/kg	1.8 U	2.1 U	2.1 U	2.1 U	1.9 U	2 U	1.9 U
Toxaphene	ug/kg	180 U	210 U	210 U	210 U	190 U	200 U	190 U
Aroclor-1016	ug/kg	36 U	40 U	41 U	40 U	37 U	39 U	36 U
Aroclor-1221	ug/kg	73 U	81 U	83 U	82 U	76 U	78 U	73 U
Aroclor-1232	ug/kg	36 U	40 U	41 U	40 U	37 U	39 U	36 U
Aroclor-1242	ug/kg	36 U	40 U	41 U	40 U	37 U	39 U	36 U
Aroclor-1248	ug/kg	36 U	40 U	41 U	40 U	37 U	39 U	36 U
Aroclor-1254	ug/kg	36 U	40 U	41 U	40 U	37 U	39 U	36 U
Aroclor-1260	ug/kg	36 U	40 U	41 U	40 U	37 U	39 U	36 U

OB GROUNDS – PHASE II
GRID BORING SOILS
SUMMARY OF VALIDATED RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB	OB
	DEPTH	4-6	0-2	2-4	0-2	4-5	0-2	2-4
	DATE	01/18/93	01/15/93	01/15/93	01/15/93	01/15/93	01/18/93	01/18/93
	ES ID	GB30-3	GB31-1	GB31-2	GB32-1	GB32-3	GB33-1	GB33-2
	LAB ID	177421	177359	177360	177361	177363	177422	177423
	UNITS							
Explosives								
HMX	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
RDX	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
1,3,5-Trinitrobenzene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
1,3-Dinitrobenzene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Tetryl	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
2,4,6-Trinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
4-amino-2,6-Dinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
2-amino-4,6-Dinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
2,6-Dinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
2,4-Dinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Metals								
Aluminum	mg/kg	15000	9880	16400	15200	9750	10700	8670
Antimony	mg/kg	5.4 UJ	6.4 UJ	5.7 J	6.2 UJ	6.1 UJ	5.9 UJ	6 UJ
Arsenic	mg/kg	4 J	7.3 J	2.5 J	6.5 J	4.6 J	4.9 J	4.7 J
Barium	mg/kg	56 J	97.6 J	83.2 J	196 J	65.7 J	70.4 J	75.4 J
Beryllium	mg/kg	0.67	0.6	0.79	0.74	0.44 J	0.51 J	0.42 J
Cadmium	mg/kg	0.31 U	0.37 U	0.32 U	0.35 U	0.35 U	0.34 U	0.34 U
Calcium	mg/kg	6610	1960	10400	60900	61600	82600	77900
Chromium	mg/kg	27.2	14.4	30.2	21.3	17.4	17.1	14.1
Cobalt	mg/kg	16	10.1	16.7	10.8	7.3	9.1	7.1
Copper	mg/kg	36.5	20.2	33.4	33.7	22.2	23.1	20.7
Iron	mg/kg	31600	20600	34100	27000	19400	21400	18300
Lead	mg/kg	23.1	33.6 R	36.5 R	54.6	26.1 R	17.1	8.7
Magnesium	mg/kg	7400	3050	7040	16000	8670	7820	13200
Manganese	mg/kg	381	511	630	737	304	455	355
Mercury	mg/kg	0.04 J	0.06 J	0.03 J	0.04 J	0.04 J	0.03 J	0.04 J
Nickel	mg/kg	61.8	20.1	54.1	32.6	30.3	32.5	29.1
Potassium	mg/kg	1230	646	1100	1250	1050	1260	1190
Selenium	mg/kg	0.19 UJ	0.7 J	0.69 J	0.66 J	0.77 J	0.19 UJ	0.17 UJ
Silver	mg/kg	0.33 R	0.44 R	0.33 U	0.36 U	0.48 R	0.35 U	0.35 U
Sodium	mg/kg	66.9 J	35.2 U	52.5 J	149 J	139 J	160 J	154 J
Thallium	mg/kg	0.45 U	0.4 U	0.62 U	0.42 U	0.53 U	0.45 U	0.41 U
Vanadium	mg/kg	20.8	18.2	22	26.7	14.4	17.1	14.3
Zinc	mg/kg	171	44.4	75.6	89.4	52.7	68.9	75.2
Cyanide	mg/kg	0.62 U	0.72 U	0.72 U	0.72 U	0.64 U	0.7 U	0.66 U

OB GROUNDS - PHASE II
GRID BORING SOILS
SUMMARY OF VALIDATED RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB	OB
	DEPTH	0-2	6-8	0-2	2-4	0-2	0-2	2-4
	DATE	01/19/93	01/19/93	01/20/93	01/20/93	01/20/93	01/20/93	01/20/93
	ES ID	GB34-1	GB34-4	GB35-1	GB35-2	GB35-6	GB36-1	GB36-2
	LAB ID	177525	177528	177529	177530	177531	177532	177533
	UNITS					DUP GB35-1		
Volatile Organic Compounds								
Chloromethane	ug/kg	12 U	11 U	12 U	11 U	13 U	12 U	11 U
Bromomethane	ug/kg	12 U	11 U	12 U	11 U	13 U	12 U	11 U
Vinyl Chloride	ug/kg	12 U	11 U	12 U	11 U	13 U	12 U	11 U
Chloroethane	ug/kg	12 U	11 U	12 U	11 U	13 U	12 U	11 U
Methylene Chloride	ug/kg	12 U	11 U	12 U	11 U	13 U	12 U	11 U
Acetone	ug/kg	12 U	11 U	12 U	11 U	13 U	12 U	11 U
Carbon Disulfide	ug/kg	12 U	11 U	12 U	11 U	13 U	12 U	11 U
1,1-Dichloroethene	ug/kg	12 U	11 U	12 U	11 U	13 U	12 U	11 U
1,1-Dichloroethane	ug/kg	12 U	11 U	12 U	11 U	13 U	12 U	11 U
1,2-Dichloroethene (total)	ug/kg	12 U	11 U	12 U	11 U	13 U	12 U	11 U
Chloroform	ug/kg	12 U	11 U	12 U	11 U	13 U	12 U	11 U
1,2-Dichloroethane	ug/kg	12 U	11 U	12 U	11 U	13 U	12 U	11 U
2-Butanone	ug/kg	12 U	11 U	12 U	11 U	13 U	12 U	11 U
1,1,1-Trichloroethane	ug/kg	12 U	11 U	12 U	11 U	13 U	12 U	11 U
Carbon Tetrachloride	ug/kg	12 U	11 U	12 U	11 U	13 U	12 U	11 U
Vinyl Acetate	ug/kg							
Bromodichloromethane	ug/kg	12 U	11 U	12 U	11 U	13 U	12 U	11 U
1,2-Dichloropropane	ug/kg	12 U	11 U	12 U	11 U	13 U	12 U	11 U
cis-1,3-Dichloropropene	ug/kg	12 U	11 U	12 U	11 U	13 U	12 U	11 U
Trichloroethene	ug/kg	12 U	11 U	12 U	11 U	13 U	12 U	11 U
Dibromochloromethane	ug/kg	12 U	11 U	12 U	11 U	13 U	12 U	11 U
1,1,2-Trichloroethane	ug/kg	12 U	11 U	12 U	11 U	13 U	12 U	11 U
Benzene	ug/kg	12 U	11 U	12 U	11 U	13 U	12 U	11 U
trans-1,3-Dichloropropene	ug/kg	12 U	11 U	12 U	11 U	13 U	12 U	11 U
Bromoform	ug/kg	12 U	11 U	12 U	11 U	13 U	12 U	11 U
4-Methyl-2-Pentanone	ug/kg	12 U	11 U	12 U	11 U	13 U	12 U	11 U
2-Hexanone	ug/kg	12 U	11 U	12 U	11 U	13 U	12 U	11 U
Tetrachloroethene	ug/kg	12 U	11 U	12 U	11 U	13 U	12 U	11 U
1,1,2,2-Tetrachloroethane	ug/kg	12 U	11 U	12 U	11 U	13 U	12 U	11 U
Toluene	ug/kg	12 U	11 U	12 U	11 U	13 U	12 U	11 U
Chlorobenzene	ug/kg	12 U	11 U	12 U	11 U	13 U	12 U	11 U
Ethylbenzene	ug/kg	12 U	11 U	12 U	11 U	13 U	12 U	11 U
Styrene	ug/kg	12 U	11 U	12 U	11 U	13 U	12 U	11 U
Xylene (total)	ug/kg	12 U	11 U	12 U	11 U	13 U	12 U	11 U
						DUP GB35-1		

OB GROUNDS - PHASE II
GRID BORING SOILS
SUMMARY OF VALIDATED RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB	OB
	DEPTH	0-2	6-8	0-2	2-4	0-2	0-2	2-4
	DATE	01/19/93	01/19/93	01/20/93	01/20/93	01/20/93	01/20/93	01/20/93
	ES ID	GB34-1	GB34-4	GB35-1	GB35-2	GB35-6	GB36-1	GB36-2
	LAB ID	177525	177528	177529	177530	177531	177532	177533
	UNITS					DUP GB35-1		
Semivolatiles								
Phenol	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
bis(2-Chloroethyl) ether	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
2-Chlorophenol	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
1,3-Dichlorobenzene	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
1,4-Dichlorobenzene	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
Benzyl Alcohol	ug/kg							
1,2-Dichlorobenzene	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
2-Methylphenol	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
2,2'-oxybis(1-Chloropropane)	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
4-Methylphenol	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
N-Nitroso-di-n-propylamine	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
Hexachloroethane	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
Nitrobenzene	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
Isophorone	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
2-Nitrophenol	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
2,4-Dimethylphenol	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
Benzoic acid	ug/kg							
bis(2-Chloroethoxy) methane	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
2,4-Dichlorophenol	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
1,2,4-Trichlorobenzene	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
Naphthalene	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
4-Chloroaniline	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
Hexachlorobutadiene	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
4-Chloro-3-methylphenol	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
2-Methylnaphthalene	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
Hexachlorocyclopentadiene	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
2,4,6-Trichlorophenol	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
2,4,5-Trichlorophenol	ug/kg	950 U	880 U	1000 U	880 U	1000 U	940 U	840 U
2-Chloronaphthalene	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
2-Nitroaniline	ug/kg	950 U	880 U	1000 U	880 U	1000 U	940 U	840 U
Dimethylphthalate	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
Acenaphthylene	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
2,6-Dinitrotoluene	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
3-Nitroaniline	ug/kg	950 U	880 U	1000 U	880 U	1000 U	940 U	840 U
Acenaphthene	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
2,4-Dinitrophenol	ug/kg	950 U	880 U	1000 U	880 U	1000 U	940 U	840 U
4-Nitrophenol	ug/kg	950 U	880 U	1000 U	880 U	1000 U	940 U	840 U
Dibenzofuran	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
2,4-Dinitrotoluene	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
Diethylphthalate	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
4-Chlorophenyl-phenylether	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
Fluorene	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
4-Nitroaniline	ug/kg	950 U	880 U	1000 U	880 U	1000 U	940 U	840 U
4,6-Dinitro-2-methylphenol	ug/kg	950 U	880 U	1000 U	880 U	1000 U	940 U	840 U
N-Nitrosodiphenylamine	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
4-Bromophenyl-phenylether	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
Hexachlorobenzene	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
Pentachlorophenol	ug/kg	950 U	880 U	1000 U	880 U	1000 U	940 U	840 U
Phenanthrene	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
Anthracene	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
Carbazole	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
Di-n-butylphthalate	ug/kg	33 J	63 J	420 U	12 J	15 J	390 U	350 U
Fluoranthene	ug/kg	390 U	360 U	420 U	360 U	24 J	390 U	350 U
Pyrene	ug/kg	390 U	360 U	420 U	360 U	16 J	390 U	350 U
Butylbenzylphthalate	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
3,3'-Dichlorobenzidine	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
Benzo(a)anthracene	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
Chrysene	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
bis(2-Ethylhexyl)phthalate	ug/kg	500	440	400 J	360 U	420 U	390 U	350 U
Di-n-octylphthalate	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
Benzo(b)fluoranthene	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
Benzo(k)fluoranthene	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
Benzo(a)pyrene	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
Indeno(1,2,3-cd)pyrene	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
Dibenz(a,h)anthracene	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U
Benzo(g,h,i)perylene	ug/kg	390 U	360 U	420 U	360 U	420 U	390 U	350 U

OB GROUNDS - PHASE II
GRID BORING SOILS
SUMMARY OF VALIDATED RESULTS

COMPOUND	MATRIX LOCATION DEPTH DATE ES ID LAB ID UNITS	SOIL OB 0-2 01/19/93 GB34-1 177525	SOIL OB 6-8 01/19/93 GB34-4 177528	SOIL OB 0-2 01/20/93 GB35-1 177529	SOIL OB 2-4 01/20/93 GB35-2 177530	SOIL OB 0-2 01/20/93 GB35-6 177531 DUP GB35-1	SOIL OB 0-2 01/20/93 GB36-1 177532	SOIL OB 2-4 01/20/93 GB36-2 177533
Pesticides/PCBs								
alpha-BHC	ug/kg	2 U	1.9 U	2.1 U	1.9 U	2.2 U	2 U	1.8 U
beta-BHC	ug/kg	2 U	1.9 U	2.1 U	1.9 U	2.2 U	2 U	1.8 U
delta-BHC	ug/kg	2 U	1.9 U	2.1 U	1.9 U	2.2 U	2 U	1.8 U
gamma-BHC (Lindane)	ug/kg	2 U	1.9 U	2.1 U	1.9 U	2.2 U	2 U	1.8 U
Heptachlor	ug/kg	2 U	1.9 U	2.1 U	1.9 U	2.2 U	2 U	1.8 U
Aldrin	ug/kg	2 U	2.5 J	2.1 U	1.9 U	2.2 U	2 U	1.8 U
Heptachlor epoxide	ug/kg	2 U	1.9 U	2.1 U	1.9 U	2.2 U	2 U	1.8 U
Endosulfan I	ug/kg	2 U	1.9 U	2.1 U	1.9 U	2.2 U	2 U	1.8 U
Dieldrin	ug/kg	3.9 U	3.6 U	4.2 U	3.6 U	4.2 U	3.9 U	3.5 U
4,4'-DDE	ug/kg	12	3.6 U	4.2 U	3.6 U	4.2 U	3.9 U	3.5 U
Endrin	ug/kg	3.9 U	3.6 U	4.2 U	3.6 U	4.2 U	3.9 U	3.5 U
Endosulfan II	ug/kg	3.9 U	3.6 U	4.2 U	3.6 U	4.2 U	3.9 U	3.5 U
4,4'-DDD	ug/kg	3.9 U	3.6 U	4.2 U	3.6 U	4.2 U	3.9 U	3.5 U
Endosulfan sulfate	ug/kg	3.9 U	3.6 U	4.2 U	3.6 U	4.2 U	3.9 U	3.5 U
4,4'-DDT	ug/kg	5.3	3.6 U	4.2 U	3.6 U	4.2 U	3.9 U	3.5 U
Methoxychlor	ug/kg	20 U	19 U	21 U	19 U	22 U	20 U	18 U
Endrin ketone	ug/kg	3.9 U	3.6 U	4.2 U	3.6 U	4.2 U	3.9 U	3.5 U
Endrin aldehyde	ug/Kg	3.9 U	3.6 U	4.2 U	3.6 U	4.2 U	3.9 U	3.5 U
alpha-Chlordane	ug/kg	2 U	1.9 U	2.1 U	1.9 U	2.2 U	2 U	1.8 U
gamma-Chlordane	ug/kg	2 U	1.9 U	2.1 U	1.9 U	2.2 U	2 U	1.8 U
Toxaphene	ug/kg	200 U	190 U	210 U	190 U	220 U	200 U	180 U
Aroclor-1016	ug/kg	39 U	36 U	42 U	36 U	42 U	39 U	35 U
Aroclor-1221	ug/kg	80 U	74 U	85 U	74 U	85 U	79 U	71 U
Aroclor-1232	ug/kg	39 U	36 U	42 U	36 U	42 U	39 U	35 U
Aroclor-1242	ug/kg	39 U	36 U	42 U	36 U	42 U	39 U	35 U
Aroclor-1248	ug/kg	39 U	36 U	42 U	36 U	42 U	39 U	35 U
Aroclor-1254	ug/kg	39 U	36 U	42 U	36 U	42 U	39 U	35 U
Aroclor-1260	ug/kg	39 U	36 U	42 U	36 U	42 U	39 U	35 U

OB GROUNDS - PHASE II
GRID BORING SOILS
SUMMARY OF VALIDATED RESULTS

COMPOUND	MATRIX LOCATION DEPTH DATE ES ID LAB ID UNITS	SOIL OB 0-2 01/19/93 GB34-1 177525	SOIL OB 6-8 01/19/93 GB34-4 177528	SOIL OB 0-2 01/20/93 GB35-1 177529	SOIL OB 2-4 01/20/93 GB35-2 177530	SOIL OB 0-2 01/20/93 GB35-6 177531 DUP GB35-1	SOIL OB 0-2 01/20/93 GB36-1 177532	SOIL OB 2-4 01/20/93 GB36-2 177533
Explosives								
HMX	ug/kg	120 U	120 U	75 J	120 U	120 U	120 U	120 U
RDX	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
1,3,5-Trinitrobenzene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
1,3-Dinitrobenzene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Tetryl	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
2,4,6-Trinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
4-amino-2,6-Dinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
2-amino-4,6-Dinitrotoluene	ug/kg	68 J	120 U	120 U	120 U	120 U	120 U	120 U
2,6-Dinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
2,4-Dinitrotoluene	ug/kg	82 J	120 U	120 U	120 U	120 U	120 U	120 U
Metals								
Aluminum	mg/kg	16100	11300	18000	17600	16200	18100	16200
Antimony	mg/kg	10.1 J	5.8 UJ	5.8 UJ	6.8 J	6.3 J	5.9 J	5.8 UJ
Arsenic	mg/kg	11.6	5.5	6.2	7.7	5.3	4.6	9.7
Barium	mg/kg	1050	87.3	93.6	61.7	61.7	74.8	50.8
Beryllium	mg/kg	0.71	0.52 J	0.86	0.74	0.77	0.77	0.65
Cadmium	mg/kg	1.3	0.33 U	0.33 U	0.31 U	0.35 U	0.3 U	0.33 U
Calcium	mg/kg	9790	68200	1590	17700	1370	1660	22900
Chromium	mg/kg	25.4	19.2	23.5	29.3	25.1	24.8	27.4
Cobalt	mg/kg	11.2	11	9.4	16.3	10.3	20.4	13.2
Copper	mg/kg	462	29	17.5	24.5	17.2	17.7	17.5
Iron	mg/kg	26900	22100	25200	34200	30800	26100	30700
Lead	mg/kg	1350	22.8	14.4	5.4	19.1	12.7	6.2
Magnesium	mg/kg	5810	8990	3850	7790	4490	4490	7150
Manganese	mg/kg	501	415	701	848	775	426	507
Mercury	mg/kg	0.24 J	0.02 J	0.06 J	0.03 U	0.07 J	0.02 J	0.02 J
Nickel	mg/kg	32.4	37.8	26.3	48.7	28.3	28.3	42.8
Potassium	mg/kg	1710	1580	1110	1110	975	1400	1100
Selenium	mg/kg	0.26 UJ	0.24 UJ	0.23 UJ	0.23 UJ	0.21 UJ	0.2 UJ	0.18 UJ
Silver	mg/kg	0.38 U	0.34 U	0.34 U	0.32 U	0.36 U	0.31 U	0.34 U
Sodium	mg/kg	89.5 J	154 J	35.8 J	77.5 J	34.6 J	46.6 J	97.8 J
Thallium	mg/kg	0.62 U	0.58 U	0.55 U	0.54 U	0.5 U	0.46 U	0.43 U
Vanadium	mg/kg	25.4	17	27.1	22.3	26.1	27.8	19.7
Zinc	mg/kg	312	75.5	55	63.4	53.1	59.2	74.1
Cyanide	mg/kg	0.72 U	0.71 U	0.78 U	0.71 U	0.82 U	0.7 U	0.68 U

OB GROUNDS - PHASE II
GRID BORING SOILS
SUMMARY OF VALIDATED RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB	OB
	DEPTH	0-2	4-5.5	0-2	0-2	2-4	0-2	4-6
	DATE	01/11/93	01/11/93	01/11/93	01/11/93	01/11/93	01/08/93	01/08/93
	ES ID	MW36-1	MW36-3	MW36-6	MW37-1	MW37-2	MW38-1	MW38-3
	LAB ID	177145	177147	177148	177149	177150	177065	177067
	UNITS			DUP MW36-1				
Volatile Organic Compounds								
Chloromethane	ug/kg	12 U	11 U	12 U	12 U	12 U	12 U	11 U
Bromomethane	ug/kg	12 U	11 U	12 U	12 U	12 U	12 U	11 U
Vinyl Chloride	ug/kg	12 U	11 U	12 U	12 U	12 U	12 U	11 U
Chloroethane	ug/kg	12 U	11 U	12 U	12 U	12 U	12 U	11 U
Methylene Chloride	ug/kg	12 U	11 U	12 U	12 U	12 U	12 U	11 U
Acetone	ug/kg	12 U	11 U	12 U	12 U	12 U	12 U	11 U
Carbon Disulfide	ug/kg	12 U	11 U	12 U	12 U	12 U	12 U	11 U
1,1-Dichloroethene	ug/kg	12 U	11 U	12 U	12 U	12 U	12 U	11 U
1,1-Dichloroethane	ug/kg	12 U	11 U	12 U	12 U	12 U	12 U	11 U
1,2-Dichloroethene (total)	ug/kg	12 U	11 U	12 U	12 U	12 U	12 U	11 U
Chloroform	ug/kg	12 U	11 U	12 U	12 U	12 U	12 U	11 U
1,2-Dichloroethane	ug/kg	12 U	11 U	12 U	12 U	12 U	12 U	11 U
2-Butanone	ug/kg	12 U	11 U	12 U	12 U	12 U	12 U	11 U
1,1,1-Trichloroethane	ug/kg	12 U	11 U	12 U	12 U	12 U	12 U	11 U
Carbon Tetrachloride	ug/kg	12 U	11 U	12 U	12 U	12 U	12 U	11 U
Vinyl Acetate	ug/kg							
Bromodichloromethane	ug/kg	12 U	11 U	12 U	12 U	12 U	12 U	11 U
1,2-Dichloropropane	ug/kg	12 U	11 U	12 U	12 U	12 U	12 U	11 U
cis-1,3-Dichloropropene	ug/kg	12 U	11 U	12 U	12 U	12 U	12 U	11 U
Trichloroethene	ug/kg	12 U	11 U	12 U	12 U	12 U	12 U	11 U
Dibromochloromethane	ug/kg	12 U	11 U	12 U	12 U	12 U	12 U	11 U
1,1,2-Trichloroethane	ug/kg	12 U	11 U	12 U	12 U	12 U	12 U	11 U
Benzene	ug/kg	12 U	11 U	12 U	12 U	12 U	12 U	11 U
trans-1,3-Dichloropropene	ug/kg	12 U	11 U	12 U	12 U	12 U	12 U	11 U
Bromoform	ug/kg	12 U	11 U	12 U	12 U	12 U	12 U	11 U
4-Methyl-2-Pentanone	ug/kg	12 U	11 U	12 U	12 U	12 U	12 U	11 U
2-Hexanone	ug/kg	12 U	11 U	12 U	12 U	12 U	12 U	11 U
Tetrachloroethene	ug/kg	12 U	11 U	12 U	12 U	12 U	12 U	11 U
1,1,2,2-Tetrachloroethane	ug/kg	12 U	11 U	12 U	12 U	12 U	12 U	11 U
Toluene	ug/kg	12 U	11 U	12 U	12 U	12 U	12 U	11 U
Chlorobenzene	ug/kg	12 U	11 U	12 U	12 U	12 U	12 U	11 U
Ethylbenzene	ug/kg	12 U	11 U	12 U	12 U	12 U	12 U	11 U
Styrene	ug/kg	12 U	11 U	12 U	12 U	12 U	12 U	11 U
Xylene (total)	ug/kg	12 U	11 U	12 U	12 U	12 U	12 U	11 U
				DUP MW36-1				

OB GROUNDS - PHASE II
GRID BORING SOILS
SUMMARY OF VALIDATED RESULTS

COMPOUND	MATRIX LOCATION DEPTH DATE ES ID LAB ID UNITS	SOIL OB 0-2 01/11/93 MW36-1 177145	SOIL OB 4-5.5 01/11/93 MW36-3 177147	SOIL OB 0-2 01/11/93 MW36-6 177148 DUP MW36-1	SOIL OB 0-2 01/11/93 MW37-1 177149	SOIL OB 2-4 01/11/93 MW37-2 177150	SOIL OB 0-2 01/08/93 MW38-1 177065	SOIL OB 4-6 01/08/93 MW38-3 177067
Semivolatiles								
Phenol	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
bis(2-Chloroethyl) ether	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
2-Chlorophenol	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
1,3-Dichlorobenzene	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
1,4-Dichlorobenzene	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
Benzyl Alcohol	ug/kg							
1,2-Dichlorobenzene	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
2-Methylphenol	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
2,2'-oxybis(1-Chloropropane)	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
4-Methylphenol	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
N-Nitroso-di-n-propylamine	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
Hexachloroethane	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
Nitrobenzene	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
Isophorone	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
2-Nitrophenol	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
2,4-Dimethylphenol	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
Benzoic acid	ug/kg							
bis(2-Chloroethoxy) methane	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
2,4-Dichlorophenol	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
1,2,4-Trichlorobenzene	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
Naphthalene	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
4-Chloroaniline	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
Hexachlorobutadiene	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
4-Chloro-3-methylphenol	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
2-Methylnaphthalene	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
Hexachlorocyclopentadiene	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
2,4,6-Trichlorophenol	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
2,4,5-Trichlorophenol	ug/kg	880 U	860 U	970 U	910 U	940 U	980 U	930 U
2-Chloronaphthalene	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
2-Nitroaniline	ug/kg	880 U	860 U	970 U	910 U	940 U	980 U	930 U
Dimethylphthalate	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
Acenaphthylene	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
2,6-Dinitrotoluene	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
3-Nitroaniline	ug/kg	880 U	860 U	970 U	910 U	940 U	980 U	930 U
Acenaphthene	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
2,4-Dinitrophenol	ug/kg	880 U	860 U	970 U	910 U	940 U	980 U	930 U
4-Nitrophenol	ug/kg	880 U	860 U	970 U	910 U	940 U	980 U	930 U
Dibenzofuran	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
2,4-Dinitrotoluene	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
Diethylphthalate	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	55 J
4-Chlorophenyl-phenylether	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
Fluorene	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
4-Nitroaniline	ug/kg	880 U	860 U	970 U	910 U	940 U	980 U	930 U
4,6-Dinitro-2-methylphenol	ug/kg	880 U	860 U	970 U	910 U	940 U	980 U	930 U
N-Nitrosodiphenylamine	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
4-Bromophenyl-phenylether	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
Hexachlorobenzene	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
Pentachlorophenol	ug/kg	880 U	860 U	970 U	910 U	940 U	980 U	930 U
Phenanthrene	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
Anthracene	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
Carbazole	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
Di-n-butylphthalate	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
Fluoranthene	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
Pyrene	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
Butylbenzylphthalate	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
3,3'-Dichlorobenzidine	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
Benzo(a)anthracene	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
Chrysene	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
bis(2-Ethylhexyl)phthalate	ug/kg	290 J	220 J	520	340 J	540	420 U	600 U
Di-n-octylphthalate	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
Benzo(b)fluoranthene	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
Benzo(k)fluoranthene	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
Benzo(a)pyrene	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
Indeno(1,2,3-cd)pyrene	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
Dibenz(a,h)anthracene	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U
Benzo(g,h,i)perylene	ug/kg	360 U	350 U	400 U	370 U	390 U	400 U	380 U

OB GROUNDS - PHASE II
GRID BORING SOILS
SUMMARY OF VALIDATED RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB	OB
	DEPTH	0-2	4-5.5	0-2	0-2	2-4	0-2	4-6
	DATE	01/11/93	01/11/93	01/11/93	01/11/93	01/11/93	01/08/93	01/08/93
	ES ID	MW36-1	MW36-3	MW36-6	MW37-1	MW37-2	MW38-1	MW38-3
	LAB ID	177145	177147	177148	177149	177150	177065	177067
	UNITS			DUP MW36-1				
Pesticides/PCBs								
alpha-BHC	ug/kg	2 U	1.9 U	2 U	1.9 U	2 U	2.1 U	2 U
beta-BHC	ug/kg	2 U	1.9 U	2 U	1.9 U	2 U	2.1 U	2 U
delta-BHC	ug/kg	2 U	1.9 U	2 U	1.9 U	2 U	2.1 U	2 U
gamma-BHC (Lindane)	ug/kg	2 U	1.9 U	2 U	1.9 U	2 U	2.1 U	2 U
Heptachlor	ug/kg	2 U	1.9 U	2 U	1.9 U	2 U	2.1 U	2 U
Aldrin	ug/kg	2 U	1.9 U	2 U	1.9 U	2 U	2.1 U	2 U
Heptachlor epoxide	ug/kg	2 U	1.9 U	2 U	1.9 U	2 U	2.1 U	2 U
Endosulfan I	ug/kg	2 U	1.9 U	2 U	1.9 U	2 U	2.1 U	2 U
Dieldrin	ug/kg	3.8 U	3.6 U	4 U	3.8 U	3.9 U	4.1 U	3.8 U
4,4'-DDE	ug/kg	3.8 U	3.6 U	4 U	3.8 U	3.9 U	4.1 U	3.8 U
Endrin	ug/kg	3.8 U	3.6 U	4 U	3.8 U	3.9 U	4.1 U	3.8 U
Endosulfan II	ug/kg	3.8 U	3.6 U	4 U	3.8 U	3.9 U	4.1 U	3.8 U
4,4'-DDD	ug/kg	3.8 U	3.6 U	4 U	3.8 U	3.9 U	4.1 U	3.8 U
Endosulfan sulfate	ug/kg	3.8 U	3.6 U	4 U	3.8 U	3.9 U	4.1 U	3.8 U
4,4'-DDT	ug/kg	3.8 U	3.6 U	4 U	3.8 U	3.9 U	4.1 U	3.8 U
Methoxychlor	ug/kg	20 U	19 U	20 U	19 U	20 U	21 U	20 U
Endrin ketone	ug/kg	3.8 U	3.6 U	4 U	3.8 U	3.9 U	4.1 U	3.8 U
Endrin aldehyde	ug/Kg	3.8 U	3.6 U	4 U	3.8 U	3.9 U	4.1 U	3.8 U
alpha-Chlordane	ug/kg	2 U	1.9 U	2 U	1.9 U	2 U	2.1 U	2 U
gamma-Chlordane	ug/kg	2 U	1.9 U	2 U	1.9 U	2 U	2.1 U	2 U
Toxaphene	ug/kg	200 U	190 U	200 U	190 U	200 U	210 U	200 U
Aroclor-1016	ug/kg	38 U	36 U	40 U	38 U	39 U	41 U	38 U
Aroclor-1221	ug/kg	77 U	73 U	80 U	76 U	79 U	83 U	77 U
Aroclor-1232	ug/kg	38 U	36 U	40 U	38 U	39 U	41 U	38 U
Aroclor-1242	ug/kg	38 U	36 U	40 U	38 U	39 U	41 U	38 U
Aroclor-1248	ug/kg	38 U	36 U	40 U	38 U	39 U	41 U	38 U
Aroclor-1254	ug/kg	38 U	36 U	40 U	38 U	39 U	41 U	38 U
Aroclor-1260	ug/kg	38 U	36 U	40 U	38 U	39 U	41 U	38 U

OB GROUNDS – PHASE II
GRID BORING SOILS
SUMMARY OF VALIDATED RESULTS

COMPOUND	MATRIX LOCATION DEPTH DATE ES ID LAB ID UNITS	SOIL OB 0-2 01/11/93 MW36-1 177145	SOIL OB 4-5.5 01/11/93 MW36-3 177147	SOIL OB 0-2 01/11/93 MW36-6 177148 DUP MW36-1	SOIL OB 0-2 01/11/93 MW37-1 177149	SOIL OB 2-4 01/11/93 MW37-2 177150	SOIL OB 0-2 01/08/93 MW38-1 177065	SOIL OB 4-6 01/08/93 MW38-3 177067
Explosives								
HMX	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
RDX	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
1,3,5-Trinitrobenzene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
1,3-Dinitrobenzene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Tetryl	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
2,4,6-Trinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
4-amino-2,6-Dinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
2-amino-4,6-Dinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
2,6-Dinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
2,4-Dinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Metals								
Aluminum	mg/kg	17900	12700	17900	12600	15400	25100	16700
Antimony	mg/kg	6.4 UJ	5.7 UJ	6.4 UJ	5.5 UJ	5.9 UJ	6.2 UJ	6.2 UJ
Arsenic	mg/kg	5.2 J	2.9 J	5.4 J	4.9 J	6 J	4.1 J	4 J
Barium	mg/kg	118 J	46.9 J	95.6 J	58.6 J	115 J	118 J	65.9 J
Beryllium	mg/kg	0.94	0.59	0.81	0.58	0.83	1.5	0.85
Cadmium	mg/kg	0.36 U	0.33 U	0.37 U	0.32 U	0.34 U	0.35 U	0.35 U
Calcium	mg/kg	19800	4170	9720	6080	11100	2690	10000
Chromium	mg/kg	27.5 J	23.3 J	24.9 J	17.8 J	25.1 J	34.6 J	27.7 J
Cobalt	mg/kg	13.6	18.6	8.2	12.3	11.2	15.9	16.3
Copper	mg/kg	30.3 J	19.2 J	26.8 J	20.1 J	32 J	40.8 J	42 J
Iron	mg/kg	33700	27500	32800	23300	28900	32800	31100
Lead	mg/kg	14.5	20.2	15.9	15.7	17.8	18.9	38.6
Magnesium	mg/kg	6820	5750	5040	3770	7480	6450	6240
Manganese	mg/kg	508	540	311	437	647	297	379
Mercury	mg/kg	0.04 J	0.02 J	0.07 J	0.08 J	0.03 J	0.06 J	0.04 J
Nickel	mg/kg	46.1 J	43.3 J	28.2 J	23.2 J	42.7 J	49.8 J	50.4 J
Potassium	mg/kg	1350	754	1220	827	1180	2950	1800
Selenium	mg/kg	0.19 UJ	0.19 UJ	0.22 UJ	0.22 UJ	0.23 UJ	0.21 UJ	0.21 UJ
Silver	mg/kg	0.38 J	0.34 U	0.38 U	0.33 U	0.49 J	0.36 U	0.37 U
Sodium	mg/kg	56.2 J	31.6 U	35.2 U	30.6 U	44.4 J	64.3 J	67.4 J
Thallium	mg/kg	0.45 U	0.45 U	0.53 U	0.52 U	0.54 U	0.49 U	0.5 U
Vanadium	mg/kg	29.2 J	16.2 J	30.8 J	20.9 J	24.3 J	38.1 J	24.8 J
Zinc	mg/kg	97.6 J	34.7 J	56 J	63.3 J	87 J	90.6 J	120 J
Cyanide	mg/kg	0.56 U	0.58 U	0.6 U	0.58 U	2.6	0.62 U	0.58 U

OB GROUNDS - PHASE II
GRID BORING SOILS
SUMMARY OF VALIDATED RESULTS

COMPOUND	MATRIX LOCATION DEPTH DATE ES ID LAB ID UNITS	SOIL OB 0-2 01/07/93 MW39-1 177068	SOIL OB 4-6 01/07/93 MW39-3 177070	SOIL OB 0-2 01/07/93 MW40-1 177071	SOIL OB 2-4 01/07/93 MW40-2 177072	SOIL OB 0-2 01/12/93 MW41-1 177192	SOIL OB 2-4 01/12/93 MW41-2 177193
Volatile Organic Compounds							
Chloromethane	ug/kg	13 U	12 U	12 U	12 U	13 U	12 U
Bromomethane	ug/kg	13 U	12 U	12 U	12 U	13 U	12 U
Vinyl Chloride	ug/kg	13 U	12 U	12 U	12 U	13 U	12 U
Chloroethane	ug/kg	13 U	12 U	12 U	12 U	13 U	12 U
Methylene Chloride	ug/kg	13 U	12 U	12 U	12 U	13 U	12 U
Acetone	ug/kg	13 U	12 U	12 U	12 U	13 U	12 U
Carbon Disulfide	ug/kg	13 U	12 U	12 U	12 U	13 U	12 U
1,1-Dichloroethene	ug/kg	13 U	12 U	12 U	12 U	13 U	12 U
1,1-Dichloroethane	ug/kg	13 U	12 U	12 U	12 U	13 U	12 U
1,2-Dichloroethene (total)	ug/kg	13 U	12 U	12 U	12 U	13 U	12 U
Chloroform	ug/kg	13 U	12 U	12 U	12 U	13 U	12 U
1,2-Dichloroethane	ug/kg	13 U	12 U	12 U	12 U	13 U	12 U
2-Butanone	ug/kg	13 U	12 U	12 U	12 U	13 U	12 U
1,1,1-Trichloroethane	ug/kg	13 U	12 U	12 U	12 U	13 U	12 U
Carbon Tetrachloride	ug/kg	13 U	12 U	12 U	12 U	13 U	12 U
Vinyl Acetate	ug/kg						
Bromodichloromethane	ug/kg	13 U	12 U	12 U	12 U	13 U	12 U
1,2-Dichloropropane	ug/kg	13 U	12 U	12 U	12 U	13 U	12 U
cis-1,3-Dichloropropene	ug/kg	13 U	12 U	12 U	12 U	13 U	12 U
Trichloroethene	ug/kg	13 U	12 U	12 U	12 U	13 U	12 U
Dibromochloromethane	ug/kg	13 U	12 U	12 U	12 U	13 U	12 U
1,1,2-Trichloroethane	ug/kg	13 U	12 U	12 U	12 U	13 U	12 U
Benzene	ug/kg	13 U	12 U	12 U	12 U	13 U	12 U
trans-1,3-Dichloropropene	ug/kg	13 U	12 U	12 U	12 U	13 U	12 U
Bromoform	ug/kg	13 U	12 U	12 U	12 U	13 U	12 U
4-Methyl-2-Pentanone	ug/kg	13 U	12 U	12 U	12 U	13 U	12 U
2-Hexanone	ug/kg	13 U	12 U	12 U	12 U	13 U	12 U
Tetrachloroethene	ug/kg	13 U	12 U	12 U	12 U	13 U	12 U
1,1,2,2-Tetrachloroethane	ug/kg	13 U	12 U	12 U	12 U	13 U	12 U
Toluene	ug/kg	13 U	12 U	12 U	12 U	13 U	3 J
Chlorobenzene	ug/kg	13 U	12 U	12 U	12 U	13 U	12 U
Ethylbenzene	ug/kg	13 U	12 U	12 U	12 U	13 U	12 U
Styrene	ug/kg	13 U	12 U	12 U	12 U	13 U	12 U
Xylene (total)	ug/kg	13 U	12 U	12 U	12 U	13 U	12 U

OB GROUNDS - PHASE II
GRID BORING SOILS
SUMMARY OF VALIDATED RESULTS

COMPOUND	MATRIX LOCATION DEPTH DATE ES ID LAB ID UNITS	SOIL OB 0-2 01/07/93 MW39-1 177068	SOIL OB 4-6 01/07/93 MW39-3 177070	SOIL OB 0-2 01/07/93 MW40-1 177071	SOIL OB 2-4 01/07/93 MW40-2 177072	SOIL OB 0-2 01/12/93 MW41-1 177192	SOIL OB 2-4 01/12/93 MW41-2 177193
Semivolatiles							
Phenol	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
bis(2-Chloroethyl) ether	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
2-Chlorophenol	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
1,3-Dichlorobenzene	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
1,4-Dichlorobenzene	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
Benzyl Alcohol	ug/kg						
1,2-Dichlorobenzene	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
2-Methylphenol	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
2,2'-oxybis(1-Chloropropane)	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
4-Methylphenol	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
N-Nitroso-di-n-propylamine	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
Hexachloroethane	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
Nitrobenzene	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
Isophorone	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
2-Nitrophenol	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
2,4-Dimethylphenol	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
Benzoic acid	ug/kg						
bis(2-Chloroethoxy) methane	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
2,4-Dichlorophenol	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
1,2,4-Trichlorobenzene	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
Naphthalene	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
4-Chloroaniline	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
Hexachlorobutadiene	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
4-Chloro-3-methylphenol	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
2-Methylnaphthalene	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
Hexachlorocyclopentadiene	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
2,4,6-Trichlorophenol	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
2,4,5-Trichlorophenol	ug/kg	1000 U	900 U	990 U	1000 U	1100 U	940 U
2-Chloronaphthalene	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
2-Nitroaniline	ug/kg	1000 U	900 U	990 U	1000 U	1100 U	940 U
Dimethylphthalate	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
Acenaphthylene	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
2,6-Dinitrotoluene	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
3-Nitroaniline	ug/kg	1000 U	900 U	990 U	1000 U	1100 U	940 U
Acenaphthene	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
2,4-Dinitrophenol	ug/kg	1000 U	900 U	990 U	1000 U	1100 U	940 U
4-Nitrophenol	ug/kg	1000 U	900 U	990 U	1000 U	1100 U	940 U
Dibenzofuran	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
2,4-Dinitrotoluene	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
Diethylphthalate	ug/kg	50 J	370 U	16 J	16 J	440 U	20 J
4-Chlorophenyl-phenylether	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
Fluorene	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
4-Nitroaniline	ug/kg	1000 U	900 U	990 U	1000 U	1100 U	940 U
4,6-Dinitro-2-methylphenol	ug/kg	1000 U	900 U	990 U	1000 U	1100 U	940 U
N-Nitrosodiphenylamine	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
4-Bromophenyl-phenylether	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
Hexachlorobenzene	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
Pentachlorophenol	ug/kg	1000 U	900 U	990 U	1000 U	1100 U	940 U
Phenanthrene	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
Anthracene	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
Carbazole	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
Di-n-butylphthalate	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
Fluoranthene	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
Pyrene	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
Butylbenzylphthalate	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
3,3'-Dichlorobenzidine	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
Benzo(a)anthracene	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
Chrysene	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
bis(2-Ethylhexyl)phthalate	ug/kg	850 U	380 U	640 U	560 U	440 U	240 J
Di-n-octylphthalate	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
Benzo(b)fluoranthene	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
Benzo(k)fluoranthene	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
Benzo(a)pyrene	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
Indeno(1,2,3-cd)pyrene	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
Dibenz(a,h)anthracene	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U
Benzo(g,h,i)perylene	ug/kg	420 U	370 U	410 U	410 U	440 U	390 U

OB GROUNDS – PHASE II
GRID BORING SOILS
SUMMARY OF VALIDATED RESULTS

COMPOUND	MATRIX LOCATION DEPTH DATE ES ID LAB ID UNITS	SOIL OB 0-2 01/07/93 MW39-1 177068	SOIL OB 4-6 01/07/93 MW39-3 177070	SOIL OB 0-2 01/07/93 MW40-1 177071	SOIL OB 2-4 01/07/93 MW40-2 177072	SOIL OB 0-2 01/12/93 MW41-1 177192	SOIL OB 2-4 01/12/93 MW41-2 177193
Pesticides/PCBs							
alpha-BHC	ug/kg	2.2 U	1.9 U	2.2 U	2.2 U	2.2 U	2 U
beta-BHC	ug/kg	2.2 U	1.9 U	2.2 U	2.2 U	2.2 U	2 U
delta-BHC	ug/kg	2.2 U	1.9 U	2.2 U	2.2 U	2.2 U	2 U
gamma-BHC (Lindane)	ug/kg	2.2 U	1.9 U	2.2 U	2.2 U	2.2 U	2 U
Heptachlor	ug/kg	2.2 U	1.9 U	2.2 U	2.2 U	2.2 U	2 U
Aldrin	ug/kg	2.2 U	1.9 U	2.2 U	2.2 U	2.2 U	2 U
Heptachlor epoxide	ug/kg	2.2 U	1.9 U	2.2 U	2.2 U	2.2 U	2 U
Endosulfan I	ug/kg	2.2 U	1.9 U	2.2 U	2.2 U	2.2 U	2 U
Dieldrin	ug/kg	4.3 U	3.7 U	4.2 U	4.2 U	4.4 U	3.9 U
4,4'-DDE	ug/kg	4.3 U	3.7 U	4.2 U	4.2 U	4.4 U	3.9 U
Endrin	ug/kg	4.3 U	3.7 U	4.2 U	4.2 U	4.4 U	3.9 U
Endosulfan II	ug/kg	4.3 U	3.7 U	4.2 U	4.2 U	4.4 U	3.9 U
4,4'-DDD	ug/kg	4.3 U	3.7 U	4.2 U	4.2 U	4.4 U	3.9 U
Endosulfan sulfate	ug/kg	4.3 U	3.7 U	4.2 U	4.2 U	4.4 U	3.9 U
4,4'-DDT	ug/kg	4.3 U	3.7 U	4.2 U	4.2 U	4.4 U	3.9 U
Methoxychlor	ug/kg	22 U	19 U	22 U	22 U	22 U	20 U
Endrin ketone	ug/kg	4.3 U	3.7 U	4.2 U	4.2 U	4.4 U	3.9 U
Endrin aldehyde	ug/Kg	4.3 U	3.7 U	4.2 U	4.2 U	4.4 U	3.9 U
alpha-Chlordane	ug/kg	2.2 U	1.9 U	2.2 U	2.2 U	2.2 U	2 U
gamma-Chlordane	ug/kg	2.2 U	1.9 U	2.2 U	2.2 U	2.2 U	2 U
Toxaphene	ug/kg	220 U	190 U	220 U	220 U	220 U	200 U
Aroclor-1016	ug/kg	43 U	37 U	42 U	42 U	44 U	39 U
Aroclor-1221	ug/kg	88 U	76 U	85 U	85 U	88 U	78 U
Aroclor-1232	ug/kg	43 U	37 U	42 U	42 U	44 U	39 U
Aroclor-1242	ug/kg	43 U	37 U	42 U	42 U	44 U	39 U
Aroclor-1248	ug/kg	43 U	37 U	42 U	42 U	44 U	39 U
Aroclor-1254	ug/kg	43 U	37 U	42 U	42 U	44 U	39 U
Aroclor-1260	ug/kg	43 U	37 U	42 U	42 U	44 U	39 U

OB GROUNDS - PHASE II
GRID BORING SOILS
SUMMARY OF VALIDATED RESULTS

COMPOUND	MATRIX LOCATION DEPTH DATE ES ID LAB ID UNITS	SOIL OB 0-2 01/07/93 MW39-1 177068	SOIL OB 4-6 01/07/93 MW39-3 177070	SOIL OB 0-2 01/07/93 MW40-1 177071	SOIL OB 2-4 01/07/93 MW40-2 177072	SOIL OB 0-2 01/12/93 MW41-1 177192	SOIL OB 2-4 01/12/93 MW41-2 177193
Explosives							
HMX	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U
RDX	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U
1,3,5-Trinitrobenzene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U
1,3-Dinitrobenzene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U
Tetryl	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U
2,4,6-Trinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U
4-amino-2,6-Dinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U
2-amino-4,6-Dinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U
2,6-Dinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U
2,4-Dinitrotoluene	ug/kg	120 U	120 U	120 U	120 U	120 U	120 U
Metals							
Aluminum	mg/kg	20200	14400	20200	17700	13700	16500
Antimony	mg/kg	6 UJ	5.2 UJ	6.3 UJ	6.2 UJ	6.7 UJ	6.4 UJ
Arsenic	mg/kg	4.6 J	4.7 J	5.1 J	5.1 J	3.5 J	5 J
Barium	mg/kg	147 J	60.2 J	152 J	78 J	53 J	79.2 J
Beryllium	mg/kg	1	0.66	0.99	0.89	0.76	0.81
Cadmium	mg/kg	0.34 U	0.3 U	0.36 U	0.35 U	0.38 U	0.36 U
Calcium	mg/kg	4700	2330	3650	3420	1170	9540
Chromium	mg/kg	28.4 J	26.6 J	32.6 J	33.1 J	20.7 J	29.1 J
Cobalt	mg/kg	12.8	13.9	18.2	15.6	15.7	15.2
Copper	mg/kg	35.3 J	54.7 J	57.1 J	72.1 J	24.2 J	42.1 J
Iron	mg/kg	31400	30600	38000	37700	27000	34800
Lead	mg/kg	39	34.1	42	42	30.6	32.2
Magnesium	mg/kg	5260	6170	6620	7400	3990	7000
Manganese	mg/kg	574	395	1480	611	497	423
Mercury	mg/kg	0.36	0.03 U	0.44	0.05 J	0.13	0.07 J
Nickel	mg/kg	38.9 J	57 J	76 J	73.9 J	26.4 J	59.5 J
Potassium	mg/kg	1920	1580	2130	1810	770	1020
Selenium	mg/kg	0.52 J	0.94 J	0.27 J	0.25 UJ	0.23 UJ	0.19 UJ
Silver	mg/kg	0.35 U	0.31 U	0.39 J	0.4 J	0.4 U	0.38 U
Sodium	mg/kg	48.4 J	52.1 J	44 J	67.7 J	37 U	35.7 J
Thallium	mg/kg	0.55 U	0.56 U	0.56 J	0.6 U	0.55 U	0.46 U
Vanadium	mg/kg	33.4 J	23.4 J	35.2 J	32.7 J	22.7 J	24.3 J
Zinc	mg/kg	91.6 J	74.8 J	99.3 J	114 J	54.5 J	78.7 J
Cyanide	mg/kg	0.67 U	0.57 U	0.63 U	0.65 U	0.78 U	0.71 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD A	PAD-A	PAD-A	PAD-A	PAD-A	PAD-B	PAD-B
	DEPTH	0-6"	0-6"	0-2'	0-2'	0-2'	0-6"	0-6"
	DATE	12/16/91	12/16/91	12/16/91	12/16/91	12/16/91	12/11/91	12/11/91
	ES ID	PB-A-1	PB-A-1A	PB-A-2	PB-A-2A	PB-A-2ARE	PB-B-1-1	PB-B-1-1RE
	LAB ID	151145	151146	151147	151148	151148	150783	150783
	UNITS							
Volatile Organic Compounds								
Chloromethane	ug/Kg	11 U	11 U	13 U	13 U J	13 U J	11 U J	10 U J
Bromomethane	ug/Kg	11 U	11 U	13 U	13 U J	13 U J	11 U J	10 U J
Vinyl Chloride	ug/Kg	11 U	11 U	13 U	13 U J	13 U J	11 U J	10 U J
Chloroethane	ug/Kg	11 U	11 U	13 U	13 U J	13 U J	11 U J	10 U J
Methylene Chloride	ug/Kg	5 U	6 U	6 U	7 U J	7 U J	6 U J	5 U J
Acetone	ug/Kg	11 U	11 U	13 U	13 U J	13 U J	11 U J	10 U J
Carbon Disulfide	ug/Kg	5 U	6 U	6 U	7 U J	7 U J	6 U J	5 U J
1,1-Dichloroethene	ug/Kg	5 U	6 U	6 U	7 U J	7 U J	6 U J	5 U J
1,1-Dichloroethane	ug/Kg	5 U	6 U	6 U	7 U J	7 U J	6 U J	5 U J
1,2-Dichloroethene (total)	ug/Kg	5 U	6 U	6 U	7 U J	7 U J	6 U J	5 U J
Chloroform	ug/Kg	5 U	6 U	6 U	7 U J	7 U J	6 U J	5 U J
1,2-Dichloroethane	ug/Kg	5 U	6 U	6 U	7 U J	7 U J	6 U J	5 U J
2-Butanone	ug/Kg	11 U	11 U	13 U	13 U J	13 U J	11 U J	10 U J
1,1,1-Trichloroethane	ug/Kg	5 U	6 U	6 U	7 U J	7 U J	6 U J	5 U J
Carbon Tetrachloride	ug/Kg	5 U	6 U	6 U	7 U J	7 U J	6 U J	5 U J
Vinyl Acetate	ug/Kg	11 U	11 U	13 U	13 U J	13 U J	11 U J	10 U J
Bromodichloromethane	ug/Kg	5 U	6 U	6 U	7 U J	7 U J	6 U J	5 U J
1,2-Dichloropropane	ug/Kg	5 U	6 U	6 U	7 U J	7 U J	6 U J	5 U J
cis-1,3-Dichloropropene	ug/Kg	5 U	6 U	6 U	7 U J	7 U J	6 U J	5 U J
Trichloroethene	ug/Kg	5 U	6 U	6 U	7 U J	7 U J	6 U J	5 U J
Dibromochloromethane	ug/Kg	5 U	6 U	6 U	7 U J	7 U J	6 U J	5 U J
1,1,2-Trichloroethane	ug/Kg	5 U	6 U	6 U	7 U J	7 U J	6 U J	5 U J
Benzene	ug/Kg	5 U	6 U	6 U	7 U J	7 U J	6 U J	5 U J
trans-1,3-Dichloropropene	ug/Kg	5 U	6 U	6 U	7 U J	7 U J	6 U J	5 U J
Bromoform	ug/Kg	5 U	6 U	6 U	7 U J	7 U J	6 U J	5 U J
4-Methyl-2-Pentanone	ug/Kg	11 U	11 U	13 U	13 U J	13 U J	11 U J	10 U J
2-Hexanone	ug/Kg	11 U	11 U	13 U	13 U J	13 U J	11 U J	10 U J
Tetrachloroethene	ug/Kg	5 U	6 U	6 U	7 U J	7 U J	6 U J	5 U J
1,1,2,2-Tetrachloroethane	ug/Kg	5 U	6 U	6 U	7 U J	7 U J	6 U J	5 U J
Toluene	ug/Kg	5 U	2 J	6 U	7 U J	7 U J	6 U J	5 U J
Chlorobenzene	ug/Kg	5 U	4 J	6 U	7 U J	7 U J	6 U J	5 U J
Ethylbenzene	ug/Kg	5 U	6 U	6 U	7 U J	7 U J	6 U J	5 U J
Styrene	ug/Kg	5 U	6 U	6 U	7 U J	7 U J	6 U J	5 U J
Xylene (total)	ug/Kg	5 U	6 U	6 U	7 U J	7 U J	6 U J	5 U J

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS -- PHASE I and II

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
LOCATION		PAD A	PAD-A	PAD-A	PAD-A	PAD-A	PAD-B	PAD-B
DEPTH		0-6"	0-6"	0-2'	0-2'	0-2'	0-6"	0-6"
DATE		12/16/91	12/16/91	12/16/91	12/16/91	12/16/91	12/11/91	12/11/91
ES ID		PB-A-1	PB-A-1A	PB-A-2	PB-A-2A	PB-A-2ARE	PB-B-1-1	PB-B-1-1RE
LAB ID		151145	151146	151147	151148	151148	150783	150783
	UNITS							
Semivolatiles								
Phenol	ug/Kg	730 U	710 U	720 U	750 U		960 U	
bis(2-Chloroethyl) ether	ug/Kg	730 U	710 U	720 U	750 U		960 U	
2-Chlorophenol	ug/Kg	730 U	710 U	720 U	750 U		960 U	
1,3-Dichlorobenzene	ug/Kg	730 U	710 U	720 U	750 U		960 U	
1,4-Dichlorobenzene	ug/Kg	730 U	710 U	720 U	750 U		960 U	
Benzyl Alcohol	ug/Kg	730 U	710 U	720 U	750 U		960 U	
1,2-Dichlorobenzene	ug/Kg	730 U	710 U	720 U	750 U		960 U	
2-Methylphenol	ug/Kg	730 U	710 U	720 U	750 U		960 U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	730 U	710 U	720 U	750 U		960 U	
4-Methylphenol	ug/Kg	730 U	710 U	720 U	750 U		960 U	
N-Nitroso-di-n-propylamine	ug/Kg	730 U	710 U	720 U	750 U		960 U	
Hexachloroethane	ug/Kg	730 U	710 U	720 U	750 U		960 U	
Nitrobenzene	ug/Kg	730 U	710 U	720 U	750 U		960 U	
Isophorone	ug/Kg	730 U	710 U	720 U	750 U		960 U	
2-Nitrophenol	ug/Kg	730 U	710 U	720 U	750 U		960 U	
2,4-Dimethylphenol	ug/Kg	730 U	710 U	720 U	750 U		960 U	
Benzoic acid	ug/Kg	3500 U	3400 U	3500 U	3600 U		4700 U	
bis(2-Chloroethoxy) methane	ug/Kg	730 U	710 U	720 U	750 U		960 U	
2,4-Dichlorophenol	ug/Kg	730 U	710 U	720 U	750 U		960 U	
1,2,4-Trichlorobenzene	ug/Kg	730 U	710 U	720 U	750 U		960 U	
Naphthalene	ug/Kg	730 U	710 U	720 U	750 U		160 J	
4-Chloroaniline	ug/Kg	730 U	710 U	720 U	750 U		960 U	
Hexachlorobutadiene	ug/Kg	730 U	710 U	720 U	750 U		960 U	
4-Chloro-3-methylphenol	ug/Kg	730 U	710 U	720 U	750 U		960 U	
2-Methylnaphthalene	ug/Kg	88 J	67 J	67 J	100 J		960 U	
Hexachlorocyclopentadiene	ug/Kg	730 U	710 U	720 U	750 U		960 U	
2,4,6-Trichlorophenol	ug/Kg	730 U	710 U	720 U	750 U		960 U	
2,4,5-Trichlorophenol	ug/Kg	3500 U	3400 U	3500 U	3600 U		4700 U	
2-Chloronaphthalene	ug/Kg	730 U	710 U	720 U	750 U		130 J	
2-Nitroaniline	ug/Kg	3500 U	3400 U	3500 U	3600 U		4700 U	
Dimethylphthalate	ug/Kg	730 U	710 U	720 U	750 U		960 U	
Acenaphthylene	ug/Kg	730 U	710 U	720 U	750 U		960 U	
2,6-Dinitrotoluene	ug/Kg	730 U	710 U	720 U	750 U		960 U	
3-Nitroaniline	ug/Kg	3500 U	3400 U	3500 U	3600 U		4700 U	
Acenaphthene	ug/Kg	730 U	710 U	720 U	750 U		960 U	
2,4-Dinitrophenol	ug/Kg	3500 U	3400 U	3500 U	3600 U		4700 U	
4-Nitrophenol	ug/Kg	3500 U	3400 U	3500 U	3600 U		4700 U	
Dibenzofuran	ug/Kg	730 U	710 U	720 U	750 U		960 U	
2,4-Dinitrotoluene	ug/Kg	470 J	310 J	860 J	1500 J		960 U	
Diethylphthalate	ug/Kg	730 U	250 J	720 U	750 U		960 U	
4-Chlorophenyl-phenylether	ug/Kg	730 U	710 U	720 U	750 U		960 U	
Fluorene	ug/Kg	730 U	710 U	720 U	750 U		960 U	
4-Nitroaniline	ug/Kg	3500 U	3400 U	3500 U	3600 U		4700 U	
4,6-Dinitro-2-methylphenol	ug/Kg	3500 U	3400 U	3500 U	3600 U		4700 U	
N-Nitrosodiphenylamine	ug/Kg	730 U	710 U	720 U	750 U		960 U	
4-Bromophenyl-phenylether	ug/Kg	730 U	710 U	720 U	750 U		960 U	
Hexachlorobenzene	ug/Kg	730 U	710 U	720 U	750 U		960 U	
Pentachlorophenol	ug/Kg	3500 U	3400 U	3500 U	3600 U		4700 U	
Phenanthrene	ug/Kg	79 J	73 J	78 J	80 J		960 U	
Anthracene	ug/Kg	730 U	710 U	720 U	750 U		960 U	
Carbazole	ug/Kg							
Di-n-butylphthalate	ug/Kg	730 U	160 J	720 U	750 U		960 U	
Fluoranthene	ug/Kg	730 U	100 J	720 U	750 U		960 U	
Pyrene	ug/Kg	730 U	86 J	720 U	750 U		960 U	
Butylbenzylphthalate	ug/Kg	730 U	140 J	720 U	750 U		960 U	
3,3'-Dichlorobenzidine	ug/Kg	1500 U	1400 U	1400 U	1500 U		1900 U	
Benzo(a)anthracene	ug/Kg	730 U	120 J	720 U	750 U		960 U	
Chrysene	ug/Kg	730 U	120 J	720 U	750 U		960 U	
bis(2-Ethylhexyl)phthalate	ug/Kg	730 U	190 J	720 U	750 U		960 U	
Di-n-octylphthalate	ug/Kg	730 U	140 J	720 U	750 U		960 U	
Benzo(b)fluoranthene	ug/Kg	730 U	130 J	720 U	750 U		960 U	
Benzo(k)fluoranthene	ug/Kg	730 U	120 J	720 U	750 U		960 U	
Benzo(a)pyrene	ug/Kg	730 U	120 J	720 U	750 U		960 U	
Indeno(1,2,3-cd)pyrene	ug/Kg	730 U	87 J	720 U	750 U		960 U	
Dibenz(a,h)anthracene	ug/Kg	730 U	74 J	720 U	750 U		960 U	
Benzo(g,h,i)perylene	ug/Kg	730 U	86 J	720 U	750 U		960 U	

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD A	PAD-A	PAD-A	PAD-A	PAD-A	PAD-B	PAD-B
	DEPTH	0-6"	0-6"	0-2'	0-2'	0-2'	0-6"	0-6"
	DATE	12/16/91	12/16/91	12/16/91	12/16/91	12/16/91	12/11/91	12/11/91
	ES ID	PB-A-1	PB-A-1A	PB-A-2	PB-A-2A	PB-A-2ARE	PB-B-1-1	PB-B-1-1RE
	LAB ID	151145	151146	151147	151148	151148	150783	150783
COMPOUND	UNITS							
Pesticides/PCBs								
alpha-BHC	ug/kg	88 U	52 U	17 U	18 U		180 U	
beta-BHC	ug/kg	88 U	52 U	17 U	18 U		180 U	
delta-BHC	ug/kg	88 U	52 U	17 U	18 U		180 U	
gamma-BHC (Lindane)	ug/kg	88 U	52 U	17 U	18 U		180 U	
Heptachlor	ug/kg	88 U	52 U	17 U	18 U		180 U	
Aldrin	ug/kg	88 U	52 U	17 U	18 U		180 U	
Heptachlor epoxide	ug/kg	88 U	52 U	17 U	18 U		180 U	
Endosulfan I	ug/kg	88 U	52 U	17 U	18 U		180 U	
Dieldrin	ug/kg	180 U	100 U	35 U	36 U		350 U	
4,4'-DDE	ug/kg	140 J	100 J	21 J	28 J		350 U	
Endrin	ug/kg	180 U	100 U	35 U	36 U		350 U	
Endosulfan II	ug/kg	180 U	100 U	35 U	36 U		350 U	
4,4'-DDD	ug/kg	180 U	100 U	35 U	36 U		350 U	
Endosulfan sulfate	ug/kg	180 U	100 U	35 U	36 U		350 U	
4,4'-DDT	ug/kg	180 U	100 U	35 U	36 U		350 U	
Methoxychlor	ug/kg	880 U	520 U	170 U	180 U		1800 U	
Endrin ketone	ug/kg	180 U	100 U	35 U	36 U		350 U	
Endrin aldehyde	ug/kg							
alpha-Chlordane	ug/kg	880 U	520 U	170 U	180 U		1800 U	
gamma-Chlordane	ug/kg	880 U	520 U	170 U	180 U		1800 U	
Toxaphene	ug/kg	1800 U	1000 U	350 U	360 U		3500 U	
Aroclor-1016	ug/kg	880 U	520 U	170 U	180 U		1800 U	
Aroclor-1221	ug/kg	880 U	520 U	170 U	180 U		1800 U	
Aroclor-1232	ug/kg	880 U	520 U	170 U	180 U		1800 U	
Aroclor-1242	ug/kg	880 U	520 U	170 U	180 U		1800 U	
Aroclor-1248	ug/kg	880 U	520 U	170 U	180 U		1800 U	
Aroclor-1254	ug/kg	1800 U	1000 U	350 U	360 U		3500 U	
Aroclor-1260	ug/kg	1800 U	1000 U	350 U	360 U		3500 U	

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

COMPOUND	MATRIX LOCATION DEPTH DATE ES ID LAB ID UNITS	SOIL PAD A 0-6" 12/16/91 PB-A-1 151145	SOIL PAD-A 0-6" 12/16/91 PB-A-1A 151146	SOIL PAD-A 0-2' 12/16/91 PB-A-2 151147	SOIL PAD-A 0-2' 12/16/91 PB-A-2A 151148	SOIL PAD-A 0-2' 12/16/91 PB-A-2ARE 151148	SOIL PAD-B 0-6" 12/11/91 PB-B-1-1 150783	SOIL PAD-B 0-6" 12/11/91 PB-B-1-1RE 150783
Explosives								
HMX	ug/Kg	1000 U	1000 U	1000 U	1000 U		1000 U	
RDX	ug/Kg	120 U	120 U	120 U	120 U		120 U	
1,3,5-Trinitrobenzene	ug/Kg	120 U	120 U	120 U	120 U		120 U	
1,3-Dinitrobenzene	ug/Kg	120 U	120 U	120 U	120 U		120 U	
Tetryl	ug/Kg	400 U	400 U	400 U	400 U		400 U	
2,4,6-Trinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U		120 U	
4-amino-2,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U		120 U	
2-amino-4,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U		120 U	
2,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U		120 U	
2,4-Dinitrotoluene	ug/Kg	1400	1500	1600	600		120 U	
Metals								
Aluminum	mg/Kg	14800	15000	15800	13300		15700	
Antimony	mg/Kg	15.3	5.7 J	18.7	13.5		9.9 U R	
Arsenic	mg/Kg	4	4.4	10.3	7.1		8 J	
Barium	mg/Kg	1290	1910	1540	1820		14700 J	
Beryllium	mg/Kg	0.72 R	0.74 R	0.6 R	0.54 R		0.74 R	
Cadmium	mg/Kg	3.3	2.6	9.6	5.9		9.5	
Calcium	mg/Kg	37200	30500	36200	17700		24300 J	
Chromium	mg/Kg	26.1	25.9	46.4	35.9		47.7	
Cobalt	mg/Kg	15.3	13.5	15.5	11.2		15.5	
Copper	mg/Kg	962	1660	3160	2090		1150 J	
Iron	mg/Kg	41300	28300	49700	43900		48100 J	
Lead	mg/Kg	1980	1560	2530	1220		231 J	
Magnesium	mg/Kg	8450	8480	9370	8760		7010	
Manganese	mg/Kg	447	417	1620 J	502 J		693	
Mercury	mg/Kg	0.13 J	0.04 J	0.04 U	0.05 J		0.07 J	
Nickel	mg/Kg	57.7	46.4	53.2	42.3		64.8	
Potassium	mg/Kg	1260	1450	3160	1810		3150	
Selenium	mg/Kg	0.52 U	0.53 U	0.19 J	0.21 J		0.32 J	
Silver	mg/Kg	0.99 U	0.87 U	0.86 U	0.94 U		2.3	
Sodium	mg/Kg	64.4 J	63.4 J	331 J	141 J		337 J	
Thallium	mg/Kg	0.33 U	0.34 U	0.34 U	0.36 U		0.4 U	
Vanadium	mg/Kg	16.2	18.6	21.9	16.7		36.2	
Zinc	mg/Kg	222	350	2150	926		2610 J	
Cyanide	mg/Kg	0.49 U	0.64 U	0.58 U	0.62 U		0.61 U	

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD-B	PAD-B	PAD C	PAD C	PAD C	PAD C	PAD C
	DEPTH	6-8'	6-8'	0-6"	0-6"	0-6"	2-4'	2-4'
	DATE	12/11/91	12/11/91	01/07/92	01/07/92	01/07/92	01/07/92	01/07/92
	ES ID	PBB-1-5	PBB-1-5RE	PBC-1-1	PBC-1-1A	PBC-1-1ARE	PBC-1-3	PBC-1-3DL
	LAB ID	150787	150787	151999	152000	152000	152003	152003
	UNITS							
Volatile Organic Compounds								
Chloromethane	ug/Kg	11 U J	11 U J	11 U J	11 U J	11 U J	11 U R	56 U
Bromomethane	ug/Kg	11 U J	11 U J	11 U J	11 U J	11 U J	11 U R	56 U
Vinyl Chloride	ug/Kg	11 U J	11 U J	11 U J	11 U J	11 U J	11 U R	56 U
Chloroethane	ug/Kg	11 U J	11 U J	11 U J	11 U J	11 U J	11 U R	56 U
Methylene Chloride	ug/Kg	6 U J	6 U J	6 U J	6 U J	5 U J	6 U R	28 U
Acetone	ug/Kg	11 U J	11 U J	11 U J	11 U J	11 U J	11 U R	56 U
Carbon Disulfide	ug/Kg	6 U J	6 U J	5 U J	6 U J	5 U J	2 R	28 U
1,1-Dichloroethene	ug/Kg	6 U J	6 U J	5 U J	6 U J	5 U J	6 U R	28 U
1,1-Dichloroethane	ug/Kg	6 U J	6 U J	5 U J	6 U J	5 U J	6 U R	28 U
1,2-Dichloroethene (total)	ug/Kg	6 U J	6 U J	5 U J	6 U J	5 U J	6 U R	28 U
Chloroform	ug/Kg	6 U J	6 U J	5 U J	6 U J	5 U J	6 U R	28 U
1,2-Dichloroethane	ug/Kg	6 U J	6 U J	5 U J	6 U J	5 U J	6 U R	28 U
2-Butanone	ug/Kg	11 U J	11 U J	11 U J	11 U J	11 U J	11 U R	56 U
1,1,1-Trichloroethane	ug/Kg	6 U J	6 U J	5 U J	6 U J	5 U J	6 U R	28 U
Carbon Tetrachloride	ug/Kg	6 U J	6 U J	5 U J	6 U J	5 U J	6 U R	28 U
Vinyl Acetate	ug/Kg	11 U J	11 U J	11 U J	11 U J	11 U J	11 U R	56 U
Bromodichloromethane	ug/Kg	6 U J	6 U J	5 U J	6 U J	5 U J	6 U R	28 U
1,2-Dichloropropane	ug/Kg	6 U J	6 U J	5 U J	6 U J	5 U J	6 U R	28 U
cis-1,3-Dichloropropene	ug/Kg	6 U J	6 U J	5 U J	6 U J	5 U J	6 U R	28 U
Trichloroethene	ug/Kg	6 U J	6 U J	5 U J	6 U J	5 U J	6 U R	28 U
Dibromochloromethane	ug/Kg	6 U J	6 U J	5 U J	6 U J	5 U J	6 U R	28 U
1,1,2-Trichloroethane	ug/Kg	6 U J	6 U J	5 U J	6 U J	5 U J	6 U R	28 U
Benzene	ug/Kg	6 U J	6 U J	5 U J	6 U J	5 U J	6 U R	28 U
trans-1,3-Dichloropropene	ug/Kg	6 U J	6 U J	5 U J	6 U J	5 U J	6 U R	28 U
Bromoform	ug/Kg	6 U J	6 U J	5 U J	6 U J	5 U J	6 U R	28 U
4-Methyl-2-Pentanone	ug/Kg	11 U J	11 U J	11 U J	11 U J	11 U J	11 U R	56 U
2-Hexanone	ug/Kg	11 U J	11 U J	11 U J	11 U J	11 U J	11 U R	56 U
Tetrachloroethene	ug/Kg	6 U J	6 U J	5 U J	6 U J	5 U J	6 U R	28 U
1,1,2,2-Tetrachloroethane	ug/Kg	6 U J	6 U J	5 U J	6 U J	5 U J	6 U R	28 U
Toluene	ug/Kg	6 U J	3 J	5 U J	6 U J	5 U J	6 U R	28 U
Chlorobenzene	ug/Kg	6 U J	6 U J	5 U J	6 U J	5 U J	6 U R	28 U
Ethylbenzene	ug/Kg	6 U J	6 U J	5 U J	6 U J	5 U J	6 U R	28 U
Styrene	ug/Kg	6 U J	6 U J	5 U J	6 U J	5 U J	6 U R	28 U
Xylene (total)	ug/Kg	6 U J	6 U J	5 U J	6 U J	5 U J	6 U R	28 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD-B	PAD-B	PAD C	PAD C	PAD C	PAD C	PAD C
	DEPTH	6-8'	6-8'	0-6"	0-6"	0-6"	2-4'	2-4'
	DATE	12/11/91	12/11/91	01/07/92	01/07/92	01/07/92	01/07/92	01/07/92
	ES ID	PBB-1-5	PBB-1-5RE	PBC-1-1	PBC-1-1A	PBC-1-1ARE	PBC-1-3	PBC-1-3DL
	LAB ID	150787	150787	151999	152000	152000	152003	152003
COMPOUND	UNITS							
Semivolatiles								
Phenol	ug/Kg	740 U		710 U	710 U			
bis(2-Chloroethyl) ether	ug/Kg	740 U		710 U	710 U			
2-Chlorophenol	ug/Kg	740 U		710 U	710 U			
1,3-Dichlorobenzene	ug/Kg	740 U		710 U	710 U			
1,4-Dichlorobenzene	ug/Kg	740 U		710 U	710 U			
Benzyl Alcohol	ug/Kg	740 U		710 U	710 U			
1,2-Dichlorobenzene	ug/Kg	740 U		710 U	710 U			
2-Methylphenol	ug/Kg	740 U		710 U	710 U			
2,2'-oxybis(1-Chloropropane)	ug/Kg	740 U		710 U	710 U			
4-Methylphenol	ug/Kg	740 U		710 U	710 U			
N-Nitroso-di-n-propylamine	ug/Kg	740 U		710 U	710 U			
Hexachloroethane	ug/Kg	740 U		710 U	710 U			
Nitrobenzene	ug/Kg	740 U		710 U	710 U			
Isophorone	ug/Kg	740 U		710 U	710 U			
2-Nitrophenol	ug/Kg	740 U		710 U	710 U			
2,4-Dimethylphenol	ug/Kg	740 U		710 U	710 U			
Benzoic acid	ug/Kg	3600 U		3400 U	3400 U			
bis(2-Chloroethoxy) methane	ug/Kg	740 U		710 U	710 U			
2,4-Dichlorophenol	ug/Kg	740 U		710 U	710 U			
1,2,4-Trichlorobenzene	ug/Kg	740 U		710 U	710 U			
Naphthalene	ug/Kg	740 U		710 U	710 U			
4-Chloroaniline	ug/Kg	740 U		710 U	710 U			
Hexachlorobutadiene	ug/Kg	740 U		710 U	710 U			
4-Chloro-3-methylphenol	ug/Kg	740 U		710 U	710 U			
2-Methylnaphthalene	ug/Kg	740 U		710 U	710 U			
Hexachlorocyclopentadiene	ug/Kg	740 U		710 U	710 U			
2,4,6-Trichlorophenol	ug/Kg	740 U		710 U	710 U			
2,4,5-Trichlorophenol	ug/Kg	3600 U		3400 U	3400 U			
2-Chloronaphthalene	ug/Kg	740 U		710 U	710 U			
2-Nitroaniline	ug/Kg	3600 U		3400 U	3400 U			
Dimethylphthalate	ug/Kg	740 U		710 U	710 U			
Acenaphthylene	ug/Kg	740 U		710 U	710 U			
2,6-Dinitrotoluene	ug/Kg	740 U		710 U	710 U			
3-Nitroaniline	ug/Kg	3600 U		3400 U	3400 U			
Acenaphthene	ug/Kg	740 U		710 U	710 U			
2,4-Dinitrophenol	ug/Kg	3600 U		3400 U	3400 U			
4-Nitrophenol	ug/Kg	3600 U		3400 U	3400 U			
Dibenzofuran	ug/Kg	740 U		710 U	710 U			
2,4-Dinitrotoluene	ug/Kg	740 U		710 U	710 U			
Diethylphthalate	ug/Kg	740 U		710 U	710 U			
4-Chlorophenyl-phenylether	ug/Kg	740 U		710 U	710 U			
Fluorene	ug/Kg	740 U		710 U	710 U			
4-Nitroaniline	ug/Kg	3600 U		3400 U	3400 U			
4,6-Dinitro-2-methylphenol	ug/Kg	3600 U		3400 U	3400 U			
N-Nitrosodiphenylamine	ug/Kg	740 U		710 U	710 U			
4-Bromophenyl-phenylether	ug/Kg	740 U		710 U	710 U			
Hexachlorobenzene	ug/Kg	740 U		710 U	710 U			
Pentachlorophenol	ug/Kg	3600 U		3400 U	3400 U			
Phenanthrene	ug/Kg	740 U		710 U	710 U			
Anthracene	ug/Kg	740 U		710 U	710 U			
Carbazole	ug/Kg							
Di-n-butylphthalate	ug/Kg	740 U		710 U	710 U			
Fluoranthene	ug/Kg	740 U		710 U	710 U			
Pyrene	ug/Kg	740 U		710 U	710 U			
Butylbenzylphthalate	ug/Kg	740 U		710 U	710 U			
3,3'-Dichlorobenzidine	ug/Kg	1500 U		1400 U	1400 U			
Benzo(a)anthracene	ug/Kg	740 U		710 U	710 U			
Chrysene	ug/Kg	740 U		710 U	710 U			
bis(2-Ethylhexyl)phthalate	ug/Kg	740 U		710 U	710 U			
Di-n-octylphthalate	ug/Kg	740 U		710 U	710 U			
Benzo(b)fluoranthene	ug/Kg	740 U		710 U	710 U			
Benzo(k)fluoranthene	ug/Kg	740 U		710 U	710 U			
Benzo(a)pyrene	ug/Kg	740 U		710 U	710 U			
Indeno(1,2,3-cd)pyrene	ug/Kg	740 U		710 U	710 U			
Dibenz(a,h)anthracene	ug/Kg	740 U		710 U	710 U			
Benzo(g,h,i)perylene	ug/Kg	740 U		710 U	710 U			

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD-B	PAD-B	PAD C	PAD C	PAD C	PAD C	PAD C
	DEPTH	6-8'	6-8'	0-6"	0-6"	0-6"	2-4'	2-4'
	DATE	12/11/91	12/11/91	01/07/92	01/07/92	01/07/92	01/07/92	01/07/92
	ES ID	PBB-1-5	PBB-1-5RE	PBC-1-1	PBC-1-1A	PBC-1-1ARE	PBC-1-3	PBC-1-3DL
	LAB ID	150787	150787	151999	152000	152000	152003	152003
COMPOUND	UNITS							
Pesticides/PCBs								
alpha-BHC	ug/kg	18 U		17 U	17 U			
beta-BHC	ug/kg	18 U		17 U	17 U			
delta-BHC	ug/kg	18 U		17 U	17 U			
gamma-BHC (Lindane)	ug/kg	18 U		17 U	17 U			
Heptachlor	ug/kg	18 U		17 U	17 U			
Aldrin	ug/kg	18 U		17 U	17 U			
Heptachlor epoxide	ug/kg	18 U		17 U	17 U			
Endosulfan I	ug/kg	18 U		17 U	17 U			
Dieldrin	ug/kg	36 U		34 U	34 U			
4,4'-DDE	ug/kg	36 U		34 U	34 U			
Endrin	ug/kg	36 U		34 U	34 U			
Endosulfan II	ug/kg	36 U		34 U	34 U			
4,4'-DDD	ug/kg	36 U		34 U	34 U			
Endosulfan sulfate	ug/kg	36 U		34 U	34 U			
4,4'-DDT	ug/kg	36 U		34 U	34 U			
Methoxychlor	ug/kg	180 U		170 U	170 U			
Endrin ketone	ug/kg	36 U		34 U	34 U			
Endrin aldehyde	ug/kg							
alpha-Chlordane	ug/kg	180 U		170 U	170 U			
gamma-Chlordane	ug/kg	180 U		170 U	170 U			
Toxaphene	ug/kg	360 U		340 U	340 U			
Aroclor-1016	ug/kg	180 U		170 U	170 U			
Aroclor-1221	ug/kg	180 U		170 U	170 U			
Aroclor-1232	ug/kg	180 U		170 U	170 U			
Aroclor-1242	ug/kg	180 U		170 U	170 U			
Aroclor-1248	ug/kg	180 U		170 U	170 U			
Aroclor-1254	ug/kg	360 U		340 U	340 U			
Aroclor-1260	ug/kg	360 U		340 U	340 U			

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

COMPOUND	MATRIX / LOCATION / DEPTH / DATE / ES ID / LAB ID	UNITS	SOIL PAD-B 6-8' 12/11/91 PBB-1-5 150787	SOIL PAD-B 6-8' 12/11/91 PBB-1-5RE 150787	SOIL PAD C 0-6" 01/07/92 PBC-1-1 151999	SOIL PAD C 0-6" 01/07/92 PBC-1-1A 152000	SOIL PAD C 0-6" 01/07/92 PBC-1-1ARE 152000	SOIL PAD C 2-4' 01/07/92 PBC-1-3 152003	SOIL PAD C 2-4' 01/07/92 PBC-1-3DL 152003
Explosives									
HMX		ug/Kg	1000 U		1000 U	1000 U			
RDX		ug/Kg	120 U		120 U	120 U			
1,3,5-Trinitrobenzene		ug/Kg	120 U		120 U	120 U			
1,3-Dinitrobenzene		ug/Kg	120 U		120 U	120 U			
Tetryl		ug/Kg	400 U		400 U	400 U			
2,4,6-Trinitrotoluene		ug/Kg	120 U		120 U	120 U			
4-amino-2,6-Dinitrotoluene		ug/Kg	120 U		120 U	120 U			
2-amino-4,6-Dinitrotoluene		ug/Kg	120 U		120 U	120 U			
2,6-Dinitrotoluene		ug/Kg	120 U		120 U	120 U			
2,4-Dinitrotoluene		ug/Kg	120 U		120 U	120 U			
Metals									
Aluminum		mg/kg	16600		13100	15100			
Antimony		mg/kg	17.8 R		4.9 U J	5.2 U J			
Arsenic		mg/kg	5.6 J		6.1 J	5.3 J			
Barium		mg/kg	6040 J		102	166			
Beryllium		mg/kg	0.67 R		0.66 R	0.77 R			
Cadmium		mg/kg	5		4.5	3.6			
Calcium		mg/kg	33400 J		22400	27800			
Chromium		mg/kg	27		26 J	26.2 J			
Cobalt		mg/kg	11.6		12.7	13.6			
Copper		mg/kg	6890 J		93.7 J	1330 J			
Iron		mg/kg	39100 J		30400	36500			
Lead		mg/kg	3180 J		373	146			
Magnesium		mg/kg	13400		6330	7700			
Manganese		mg/kg	420		342	374			
Mercury		mg/kg	0.08		0.1 R	0.25 R			
Nickel		mg/kg	42.8		53 J	51.6 J			
Potassium		mg/kg	1850		1580 J	1930 J			
Selenium		mg/kg	0.2 J		0.45 J	0.4 J			
Silver		mg/kg	0.95 U		1.2	0.54 J			
Sodium		mg/kg	149 J		105 J	110 J			
Thallium		mg/kg	0.31 U		0.76 J	0.51 J			
Vanadium		mg/kg	21.6		19 R	20.6			
Zinc		mg/kg	712 J		613	1540			
Cyanide		mg/kg	0.52		0.6 U	0.55 U			

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD C	PAD C	PAD C	PAD C	OB	OB	OB
	DEPTH	2-4'	2-4'	2-4'	2-4'	0-2	0-2	0-2
	DATE	01/07/92	01/07/92	01/07/92	01/07/92	03/11/93	03/11/93	03/11/93
	ES ID	PBC-1-3A	PBC-1-3ADL	PBC-1-4	PBC-1-4A	PBC-2-1	PBC-2-2	PBC2-2RE
	LAB ID	152004	152004	152005	152006	179886	179887	179887R1
	UNITS							
Volatile Organic Compounds								
Chloromethane	ug/Kg	12 U J	1500 U R			11 U	11 U	11 U
Bromomethane	ug/Kg	12 U J	1500 U R			11 U	11 U	11 U
Vinyl Chloride	ug/Kg	12 U J	1500 U R			11 U	11 U	11 U
Chloroethane	ug/Kg	12 U J	1500 U R			11 U	11 U	11 U
Methylene Chloride	ug/Kg	6 U J	950 U R			21	11 U	11 U
Acetone	ug/Kg	15 U J	1500 U R			11 U	11 U	11 U
Carbon Disulfide	ug/Kg	6 U J	740 U R			11 U	11 U	11 U
1,1-Dichloroethene	ug/Kg	6 U J	740 U R			11 U	11 U	11 U
1,1-Dichloroethane	ug/Kg	6 U J	740 U R			11 U	11 U	11 U
1,2-Dichloroethene (total)	ug/Kg	6 U J	740 U R			11 U	11 U	11 U
Chloroform	ug/Kg	6 U J	740 U R			11 U	11 U	11 U
1,2-Dichloroethane	ug/Kg	6 U J	740 U R			11 U	11 U	11 U
2-Butanone	ug/Kg	12 U J	1500 U R			11 U	11 U	11 U
1,1,1-Trichloroethane	ug/Kg	6 U J	740 U R			11 U	11 U	11 U
Carbon Tetrachloride	ug/Kg	6 U J	740 U R			11 U	11 U	11 U
Vinyl Acetate	ug/Kg	12 U J	1500 U R					
Bromodichloromethane	ug/Kg	6 U J	740 U R			11 U	11 U	11 U
1,2-Dichloropropane	ug/Kg	6 U J	740 U R			11 U	11 U	11 U
cis-1,3-Dichloropropene	ug/Kg	6 U J	740 U R			11 U	11 U	11 U
Trichloroethene	ug/Kg	6 U J	740 U R			11 U	11 U	11 U
Dibromochloromethane	ug/Kg	6 U J	740 U R			11 U	11 U	11 U
1,1,2-Trichloroethane	ug/Kg	6 U J	740 U R			11 U	11 U	11 U
Benzene	ug/Kg	2 J	180 R			11 U	11 U	11 U
trans-1,3-Dichloropropene	ug/Kg	6 U J	740 U R			11 U	11 U	11 U
Bromoform	ug/Kg	6 U J	740 U R			11 U	11 U	11 U
4-Methyl-2-Pentanone	ug/Kg	12 U J	1500 U R			11 U	11 U	11 U
2-Hexanone	ug/Kg	12 U J	1500 U R			11 U	11 U	11 U
Tetrachloroethene	ug/Kg	6 U J	740 U R			11 U	11 U	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	6 U J	740 U R			11 U	11 U	11 U
Toluene	ug/Kg	2 J	740 U R			11 U	11 U	11 U
Chlorobenzene	ug/Kg	6 U J	740 U R			11 U	11 U	11 U
Ethylbenzene	ug/Kg	6 U J	740 U R			11 U	11 U	11 U
Styrene	ug/Kg	6 U J	740 U R			11 U	11 U	11 U
Xylene (total)	ug/Kg	6 U J	740 U R			11 U	11 U	11 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD C	PAD C	PAD C	PAD C	OB	OB	OB
	DEPTH	2-4'	2-4'	2-4'	2-4'	0-2	0-2	0-2
	DATE	01/07/92	01/07/92	01/07/92	01/07/92	03/11/93	03/11/93	03/11/93
	ES ID	PBC-1-3A	PBC-1-3ADL	PBC-1-4	PBC-1-4A	PBC-2-1	PBC-2-2	PBC2-2RE
	LAB ID	152004	152004	152005	152006	179886	179887	179887R1
COMPOUND	UNITS							
Semivolatiles								
Phenol	ug/Kg			360 J	360 J	360 U	360 U	
bis(2-Chloroethyl) ether	ug/Kg			780 U	750 U	360 U	360 U	
2-Chlorophenol	ug/Kg			780 U	750 U	360 U	360 U	
1,3-Dichlorobenzene	ug/Kg			780 U	750 U	360 U	360 U	
1,4-Dichlorobenzene	ug/Kg			780 U	750 U	360 U	360 U	
Benzyl Alcohol	ug/Kg			780 U	750 U			
1,2-Dichlorobenzene	ug/Kg			780 U	750 U	360 U	360 U	
2-Methylphenol	ug/Kg			650 J	760	360 U	360 U	
2,2'-oxybis(1-Chloropropane)	ug/Kg			780 U	750 U	360 U	360 U	
4-Methylphenol	ug/Kg			1100	1300	360 U	360 U	
N-Nitroso-di-n-propylamine	ug/Kg			780 U	750 U	360 U	360 U	
Hexachloroethane	ug/Kg			780 U	750 U	360 U	360 U	
Nitrobenzene	ug/Kg			780 U	750 U	360 U	360 U	
Isophorone	ug/Kg			760 U	750 U	360 U	360 U	
2-Nitrophenol	ug/Kg			760 U	750 U	360 U	360 U	
2,4-Dimethylphenol	ug/Kg			120 J	630 J	360 U	360 U	
Benzoic acid	ug/Kg			3800 U	3600 U			
bis(2-Chloroethoxy) methane	ug/Kg			780 U	750 U	360 U	360 U	
2,4-Dichlorophenol	ug/Kg			780 U	750 U	360 U	360 U	
1,2,4-Trichlorobenzene	ug/Kg			780 U	750 U	360 U	360 U	
Naphthalene	ug/Kg			84 J	80 J	55 J	59 J	
4-Chloroaniline	ug/Kg			780 U	750 U	360 U	360 U	
Hexachlorobutadiene	ug/Kg			780 U	750 U	360 U	360 U	
4-Chloro-3-methylphenol	ug/Kg			780 U	750 U	360 U	360 U	
2-Methylnaphthalene	ug/Kg			360 J	330 J	240 J	180 J	
Hexachlorocyclopentadiene	ug/Kg			780 U	750 U	360 U	360 U	
2,4,6-Trichlorophenol	ug/Kg			780 U	750 U	360 U	360 U	
2,4,5-Trichlorophenol	ug/Kg			3800 U	3600 U	870 U	880 U	
2-Chloronaphthalene	ug/Kg			780 U	750 U	360 U	360 U	
2-Nitroaniline	ug/Kg			3800 U	3600 U	870 U	880 U	
Dimethylphthalate	ug/Kg			780 U	750 U	360 U	360 U	
Acenaphthylene	ug/Kg			780 U	750 U	360 U	360 U	
2,6-Dinitrotoluene	ug/Kg			780 U	750 U	360 U	360 U	
3-Nitroaniline	ug/Kg			3800 U	3600 U	870 U	880 U	
Acenaphthene	ug/Kg			780 U	750 U	360 U	360 U	
2,4-Dinitrophenol	ug/Kg			3800 U	3600 U	870 U	880 U	
4-Nitrophenol	ug/Kg			3800 U	3600 U	870 U	880 U	
Dibenzofuran	ug/Kg			780 U	750 U	360 U	360 U	
2,4-Dinitrotoluene	ug/Kg			670 J	750 U	360 U	360 U	
Diethylphthalate	ug/Kg			780 U	750 U	360 U	360 U	
4-Chlorophenyl-phenylether	ug/Kg			780 U	750 U	360 U	360 U	
Fluorene	ug/Kg			780 U	750 U	360 U	360 U	
4-Nitroaniline	ug/Kg			3800 U	3600 U	870 U	880 U	
4,6-Dinitro-2-methylphenol	ug/Kg			3800 U	3600 U	870 U	880 U	
N-Nitrosodiphenylamine	ug/Kg			1100 J	510 J	360 U	360 U	
4-Bromophenyl-phenylether	ug/Kg			780 U	750 U	360 U	360 U	
Hexachlorobenzene	ug/Kg			780 U	750 U	360 U	360 U	
Pentachlorophenol	ug/Kg			3800 U	3600 U	870 U	880 U	
Phenanthrene	ug/Kg			220 J	200 J	100 J	88 J	
Anthracene	ug/Kg			780 U	750 U	360 U	360 U	
Carbazole	ug/Kg					360 U	360 U	
Di-n-butylphthalate	ug/Kg			780 U	750 U	360 U	360 U	
Fluoranthene	ug/Kg			780 U	750 U	20 J	19 J	
Pyrene	ug/Kg			780 U	750 U	120 J	97 J	
Butylbenzylphthalate	ug/Kg			780 U	750 U	360 U	360 U	
3,3'-Dichlorobenzidine	ug/Kg			1600 U	1500 U	360 U	360 U	
Benzo(a)anthracene	ug/Kg			780 U	750 U	77 J	56 J	
Chrysene	ug/Kg			780 U	750 U	180 J	130 J	
bis(2-Ethylhexyl)phthalate	ug/Kg			290 J	240 J	260 J	290 J	
Di-n-octylphthalate	ug/Kg			780 U	750 U	360 U	360 U	
Benzo(b)fluoranthene	ug/Kg			780 U	750 U	79 J	55 J	
Benzo(k)fluoranthene	ug/Kg			780 U	750 U	360 U	360 U	
Benzo(a)pyrene	ug/Kg			780 U	750 U	160 J	120 J	
Indeno(1,2,3-cd)pyrene	ug/Kg			780 U	750 U	63 J	46 J	
Dibenz(a,h)anthracene	ug/Kg			780 U	750 U	360 U	360 U	
Benzo(g,h,i)perylene	ug/Kg			780 U	750 U	350 J	320 J	

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD C	PAD C	PAD C	PAD C	OB	OB	OB
	DEPTH	2-4'	2-4'	2-4'	2-4'	0-2	0-2	0-2
	DATE	01/07/92	01/07/92	01/07/92	01/07/92	03/11/93	03/11/93	03/11/93
	ES ID	PBC-1-3A	PBC-1-3ADL	PBC-1-4	PBC-1-4A	PBC-2-1	PBC-2-2	PBC2-2RE
	LAB ID	152004	152004	152005	152006	179886	179887	179887R1
COMPOUND	UNITS							
Pesticides/PCBs								
alpha-BHC	ug/kg			19 U	18 U	1.8 U	1.9 U	
beta-BHC	ug/kg			19 U	18 U	1.8 U	1.9 U	
delta-BHC	ug/kg			19 U	18 U	1.8 U	1.9 U	
gamma-BHC (Lindane)	ug/kg			19 U	18 U	1.8 U	1.9 U	
Heptachlor	ug/kg			19 U	18 U	1.8 U	1.9 U	
Aldrin	ug/kg			19 U	18 U	3.7	3.8	
Heptachlor epoxide	ug/kg			19 U	18 U	1.8 U	1.9 U	
Endosulfan I	ug/kg			19 U	18 U	1.8 U	2.6 J	
Dieldrin	ug/kg			38 U	36 U	3.6 U	3.6 U	
4,4'-DDE	ug/kg			38 U	36 U	3.6 U	3.6 U	
Endrin	ug/kg			38 U	36 U	3.6 U	3.6 U	
Endosulfan II	ug/kg			38 U	36 U	3.6 U	2.6 J	
4,4'-DDD	ug/kg			38 U	36 U	3.7	3.6 J	
Endosulfan sulfate	ug/kg			38 U	36 U	3.9	3.6 U	
4,4'-DDT	ug/kg			38 U	36 U	3.6 U	3.6 J	
Methoxychlor	ug/kg			190 U	180 U	18 U	19 U	
Endrin ketone	ug/kg			38 U	36 U	3.6 U	3.6 U	
Endrin aldehyde	ug/kg					3.6 U	4.5 J	
alpha-Chlordane	ug/kg			190 U	180 U	1.8 U	1.9 U	
gamma-Chlordane	ug/kg			190 U	180 U	1.8 U	1.9 U	
Toxaphene	ug/kg			380 U	360 U	180 U	190 U	
Aroclor-1016	ug/kg			190 U	180 U	36 U	36 U	
Aroclor-1221	ug/kg			190 U	180 U	72 U	74 U	
Aroclor-1232	ug/kg			190 U	180 U	36 U	36 U	
Aroclor-1242	ug/kg			190 U	180 U	36 U	36 U	
Aroclor-1248	ug/kg			190 U	180 U	36 U	36 U	
Aroclor-1254	ug/kg			380 U	360 U	36 U	36 U	
Aroclor-1260	ug/kg			380 U	360 U	36 U	36 U	

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD C	PAD C	PAD C	PAD C	OB	OB	OB
	DEPTH	2-4'	2-4'	2-4'	2-4'	0-2	0-2	0-2
	DATE	01/07/92	01/07/92	01/07/92	01/07/92	03/11/93	03/11/93	03/11/93
	ES ID	PBC-1-3A	PBC-1-3ADL	PBC-1-4	PBC-1-4A	PBC-2-1	PBC-2-2	PBC2-2RE
	LAB ID	152004	152004	152005	152006	179886	179887	179887R1
COMPOUND	UNITS							
Explosives								
HMX	ug/Kg			1000 U	1000 U	120 U	120 U	
RDX	ug/Kg			120 U	120 U	120 U	120 U	
1,3,5-Trinitrobenzene	ug/Kg			120 U	120 U	120 U	120 U	
1,3-Dinitrobenzene	ug/Kg			120 U	120 U	120 U	120 U	
Tetryl	ug/Kg			400 U	400 U	120 U	120 U	
2,4,6-Trinitrotoluene	ug/Kg			120 U	120 U	120 U	120 U	
4-amino-2,6-Dinitrotoluene	ug/Kg			120 U	120 U	120 U	120 U	
2-amino-4,6-Dinitrotoluene	ug/Kg			120 U	120 U	120 U	120 U	
2,6-Dinitrotoluene	ug/Kg			120 U	120 U	120 U	120 U	
2,4-Dinitrotoluene	ug/Kg			120 U	120 U	180	620	
Metals								
Aluminum	mg/kg			16900	15700	13900	12600	
Antimony	mg/kg			6.4 U J	6 U J	4.6 J	3.5 UJ	
Arsenic	mg/kg			3.8 J	5 J	4.6	3.6	
Barium	mg/kg			911	566	124	102	
Beryllium	mg/kg			0.9 R	0.9 R	0.67 J	0.55 J	
Cadmium	mg/kg			3.9	3.3	1	5	
Calcium	mg/kg			23600	20600	22200	25200	
Chromium	mg/kg			32.1 J	27.3 J	26.3	31.6	
Cobalt	mg/kg			12.3	11.9	12.7	13.7	
Copper	mg/kg			522	261	2600	204	
Iron	mg/kg			37000	31800	29300	42600	
Lead	mg/kg			256	475	256	108	
Magnesium	mg/kg			7280	6210	7050	6580	
Manganese	mg/kg			475	562	322	377	
Mercury	mg/kg			0.16 R	0.13 R	0.04 U	0.04 U	
Nickel	mg/kg			46.9 J	42.1 J	50.6 J	66.1 J	
Potassium	mg/kg			2470 J	2030 J	1570	1420	
Selenium	mg/kg			0.21 J	0.34 J	0.22 UJ	0.29 J	
Silver	mg/kg			0.46 J	0.38 U	0.69 U	0.58 U	
Sodium	mg/kg			217 J	195 J	100 J	99.5 J	
Thallium	mg/kg			0.5 U	0.33 U	0.51 U	0.45 U	
Vanadium	mg/kg			23.9	23.1	20.1	18.7	
Zinc	mg/kg			578	440	579	2030	
Cyanide	mg/kg			0.71 U	0.6 U	0.65 U	0.65 U	

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	PAD D	PAD D	PAD D	PAD D
	DEPTH	0-2	0-2	0-2	0-6"	0-6"	0-6"	0-6"
	DATE	03/11/93	03/11/93	03/11/93	01/07/92	01/07/92	01/07/92	01/07/92
	ES ID	PBC-3-1	PBC-4-1	PBC-5-1	PBD-1-1	PBD-1-1RE	PBD-1-1A	PBD-1-1ARE
	LAB ID	179888	179889	179890	152009	152009	152010	152010
COMPOUND	UNITS							
Volatile Organic Compounds								
Chloromethane	ug/Kg	11 U	28 U	11 U	10 U J	11 U J	11 U J	11 U J
Bromomethane	ug/Kg	11 U	28 U	11 U	10 U J	11 U J	11 U J	11 U J
Vinyl Chloride	ug/Kg	11 U	28 U	11 U	10 U J	11 U J	11 U J	11 U J
Chloroethane	ug/Kg	11 U	28 U	11 U	10 U J	11 U J	11 U J	11 U J
Methylene Chloride	ug/Kg	11 U	28 U	11 U	5 U J	7 U J	9 U J	5 U J
Acetone	ug/Kg	11 U	28 U	11 U	10 U J	11 U J	11 U J	11 U J
Carbon Disulfide	ug/Kg	11 U	28 U	11 U	5 U J	5 U J	5 U J	5 U J
1,1-Dichloroethene	ug/Kg	11 U	28 U	11 U	5 U J	5 U J	5 U J	5 U J
1,1-Dichloroethane	ug/Kg	11 U	28 U	11 U	5 U J	5 U J	5 U J	5 U J
1,2-Dichloroethene (total)	ug/Kg	11 U	28 U	11 U	5 U J	5 U J	5 U J	5 U J
Chloroform	ug/Kg	11 U	7 J	11 U	5 U J	5 U J	5 U J	5 U J
1,2-Dichloroethane	ug/Kg	11 U	28 U	11 U	5 U J	5 U J	5 U J	5 U J
2-Butanone	ug/Kg	11 U	28 U	11 U	10 U J	11 U J	11 U J	11 U J
1,1,1-Trichloroethane	ug/Kg	11 U	28 U	11 U	5 U J	5 U J	5 U J	5 U J
Carbon Tetrachloride	ug/Kg	11 U	28 U	11 U	5 U J	5 U J	5 U J	5 U J
Vinyl Acetate	ug/Kg				10 U J	11 U J	11 U J	11 U J
Bromodichloromethane	ug/Kg	11 U	28 U	11 U	5 U J	5 U J	5 U J	5 U J
1,2-Dichloropropane	ug/Kg	11 U	28 U	11 U	5 U J	5 U J	5 U J	5 U J
cis-1,3-Dichloropropene	ug/Kg	11 U	28 U	11 U	5 U J	5 U J	5 U J	5 U J
Trichloroethene	ug/Kg	11 U	28 U	11 U	5 U J	5 U J	5 U J	5 U J
Dibromochloromethane	ug/Kg	11 U	28 U	11 U	5 U J	5 U J	5 U J	5 U J
1,1,2-Trichloroethane	ug/Kg	11 U	28 U	11 U	5 U J	5 U J	5 U J	5 U J
Benzene	ug/Kg	11 U	28 U	11 U	5 U J	5 U J	5 U J	5 U J
trans-1,3-Dichloropropene	ug/Kg	11 U	28 U	11 U	5 U J	5 U J	5 U J	5 U J
Bromoform	ug/Kg	11 U	28 U	11 U	5 U J	5 U J	5 U J	5 U J
4-Methyl-2-Pentanone	ug/Kg	11 U	28 U	11 U	10 U J	11 U J	11 U J	11 U J
2-Hexanone	ug/Kg	11 U	28 U	11 U	10 U J	11 U J	11 U J	11 U J
Tetrachloroethene	ug/Kg	11 U	28 U	11 U	5 U J	5 U J	5 U J	5 U J
1,1,2,2-Tetrachloroethane	ug/Kg	11 U	28 U	11 U	5 U J	5 U J	5 U J	5 U J
Toluene	ug/Kg	11 U	28 U	11 U	5 U J	5 U J	5 U J	5 U J
Chlorobenzene	ug/Kg	11 U	28 U	11 U	5 U J	5 U J	5 U J	5 U J
Ethylbenzene	ug/Kg	11 U	28 U	11 U	5 U J	5 U J	5 U J	5 U J
Styrene	ug/Kg	11 U	28 U	11 U	5 U J	5 U J	5 U J	5 U J
Xylene (total)	ug/Kg	11 U	28 U	11 U	5 U J	5 U J	5 U J	5 U J

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	PAD D	PAD D	PAD D	PAD D
	DEPTH	0-2	0-2	0-2	0-6"	0-6"	0-6"	0-6"
	DATE	03/11/93	03/11/93	03/11/93	01/07/92	01/07/92	01/07/92	01/07/92
	ES ID	PBC-3-1	PBC-4-1	PBC-5-1	PBD-1-1	PBD-1-1RE	PBD-1-1A	PBD-1-1ARE
	LAB ID	179888	179889	179890	152009	152009	152010	152010
COMPOUND	UNITS							
Semivolatiles								
Phenol	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
bis(2-Chloroethyl) ether	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
2-Chlorophenol	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
1,3-Dichlorobenzene	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
1,4-Dichlorobenzene	ug/Kg	350 U	1600 U	3600 U	700 U		710 U	
Benzyl Alcohol	ug/Kg				700 U		710 U	
1,2-Dichlorobenzene	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
2-Methylphenol	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
4-Methylphenol	ug/Kg	350 U	1600 U	3600 U	700 U		710 U	
N-Nitroso-di-n-propylamine	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
Hexachloroethane	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
Nitrobenzene	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
Isophorone	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
2-Nitrophenol	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
2,4-Dimethylphenol	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
Benzoic acid	ug/Kg				3400 U		3500 U	
bis(2-Chloroethoxy) methane	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
2,4-Dichlorophenol	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
1,2,4-Trichlorobenzene	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
Naphthalene	ug/Kg	20 J	1800 U	3600 U	700 U		710 U	
4-Chloroaniline	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
Hexachlorobutadiene	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
4-Chloro-3-methylphenol	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
2-Methylnaphthalene	ug/Kg	35 J	270 J	3600 U	700 U		710 U	
Hexachlorocyclopentadiene	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
2,4,6-Trichlorophenol	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
2,4,5-Trichlorophenol	ug/Kg	850 U	4300 U	8700 U	3400 U		3500 U	
2-Chloronaphthalene	ug/Kg	18 J	1800 U	3600 U	700 U		710 U	
2-Nitroaniline	ug/Kg	850 U	4300 U	8700 U	3400 U		3500 U	
Dimethylphthalate	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
Acenaphthylene	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
2,6-Dinitrotoluene	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
3-Nitroaniline	ug/Kg	850 U	4300 U	8700 U	3400 U		3500 U	
Acenaphthene	ug/Kg	350 U	1600 U	3600 U	700 U		710 U	
2,4-Dinitrophenol	ug/Kg	850 U	4300 U	8700 U	3400 U		3500 U	
4-Nitrophenol	ug/Kg	850 U	4300 U	8700 U	3400 U		3500 U	
Dibenzofuran	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
2,4-Dinitrotoluene	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
Diethylphthalate	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
4-Chlorophenyl-phenylether	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
Fluorene	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
4-Nitroaniline	ug/Kg	850 U	4300 U	8700 U	3400 U		3500 U	
4,6-Dinitro-2-methylphenol	ug/Kg	850 U	4300 U	8700 U	3400 U		3500 U	
N-Nitrosodiphenylamine	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
4-Bromophenyl-phenylether	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
Hexachlorobenzene	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
Pentachlorophenol	ug/Kg	850 U	4300 U	8700 U	3400 U		3500 U	
Phenanthrene	ug/Kg	22 J	540 J	3600 U	700 U		710 U	
Anthracene	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
Carbazole	ug/Kg	350 U	1800 U	3600 U				
Di-n-butylphthalate	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
Fluoranthene	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
Pyrene	ug/Kg	350 U	120 J	3600 U	700 U		710 U	
Butylbenzylphthalate	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
3,3'-Dichlorobenzidine	ug/Kg	350 U	1800 U	3600 U	1400 U		1400 U	
Benzo(a)anthracene	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
Chrysene	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
bis(2-Ethylhexyl)phthalate	ug/Kg	350 U	750 J	410 J	700 U		710 U	
Di-n-octylphthalate	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
Benzo(b)fluoranthene	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
Benzo(k)fluoranthene	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
Benzo(a)pyrene	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
Indeno(1,2,3-cd)pyrene	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	
Dibenz(a,h)anthracene	ug/Kg	350 U	1600 U	3600 U	700 U		710 U	
Benzo(g,h,i)perylene	ug/Kg	350 U	1800 U	3600 U	700 U		710 U	

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	PAD D	PAD D	PAD D	PAD D
	DEPTH	0-2	0-2	0-2	0-6"	0-6"	0-6"	0-6"
	DATE	03/11/93	03/11/93	03/11/93	01/07/92	01/07/92	01/07/92	01/07/92
	ES ID	PBC-3-1	PBC-4-1	PBC-5-1	PBD-1-1	PBD-1-1RE	PBD-1-1A	PBD-1-1ARE
	LAB ID	179888	179889	179890	152009	152009	152010	152010
COMPOUND	UNITS							
Pesticides/PCBs								
alpha-BHC	ug/kg	9.1 U	3.7 U	19 U	17 U		17 U	
beta-BHC	ug/kg	9.1 U	3.7 U	19 U	17 U		17 U	
delta-BHC	ug/kg	9.1 U	3.7 U	19 U	17 U		17 U	
gamma-BHC (Lindane)	ug/kg	9.1 U	3.7 U	9.6 J	17 U		17 U	
Heptachlor	ug/kg	32 J	3.7 U	19 U	17 U		17 U	
Aldrin	ug/kg	9.1 U	4 J	19 U	17 U		17 U	
Heptachlor epoxide	ug/kg	9.1 U	3.7 U	19 U	17 U		17 U	
Endosulfan I	ug/kg	9.1 U	1.9 J	19 U	17 U		17 U	
Dieldrin	ug/kg	18 U	7.2 U	36 U	34 U		35 U	
4,4'-DDE	ug/kg	18 U	7.2 U	36 U	34 U		35 U	
Endrin	ug/kg	18 U	7.2 U	36 U	34 U		35 U	
Endosulfan II	ug/kg	18 U	7.2 U	110	34 U		35 U	
4,4'-DDD	ug/kg	18 U	7.2 U	36 U	34 U		35 U	
Endosulfan sulfate	ug/kg	18 U	4.3 J	36 U	34 U		35 U	
4,4'-DDT	ug/kg	18 U	7.2 U	36 U	34 U		35 U	
Methoxychlor	ug/kg	91 U	37 U	190 U	170 U		170 U	
Endrin ketone	ug/kg	18 U	7.2 U	36 U	34 U		35 U	
Endrin aldehyde	ug/kg	18 U	7.2 U	36 U				
alpha-Chlordane	ug/kg	69 J	6.1 J	270 J	170 U		170 U	
gamma-Chlordane	ug/kg	9.1 U	3.7 U	19 U	170 U		170 U	
Toxaphene	ug/kg	910 U	370 U	1900 U	340 U		350 U	
Aroclor-1016	ug/kg	180 U	72 U	360 U	170 U		170 U	
Aroclor-1221	ug/kg	360 U	150 U	740 U	170 U		170 U	
Aroclor-1232	ug/kg	180 U	72 U	360 U	170 U		170 U	
Aroclor-1242	ug/kg	180 U	72 U	360 U	170 U		170 U	
Aroclor-1248	ug/kg	180 U	72 U	360 U	170 U		170 U	
Aroclor-1254	ug/kg	180 U	72 U	360 U	340 U		350 U	
Aroclor-1260	ug/kg	180 U	72 U	360 U	340 U		350 U	

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	PAD D	PAD D	PAD D	PAD D
	DEPTH	0-2	0-2	0-2	0-6"	0-6"	0-6"	0-6"
	DATE	03/11/93	03/11/93	03/11/93	01/07/92	01/07/92	01/07/92	01/07/92
	ES ID	PBC-3-1	PBC-4-1	PBC-5-1	PBD-1-1	PBD-1-1RE	PBD-1-1A	PBD-1-1ARE
	LAB ID	179888	179889	179890	152009	152009	152010	152010
COMPOUND	UNITS							
Explosives								
HMX	ug/Kg	120 U	120 U	120 U	1000 U		1000 U	
RDX	ug/Kg	120 U	88 J	120 U	120 U		120 U	
1,3,5-Trinitrobenzene	ug/Kg	120 U	120 U	130 J	120 U		120 U	
1,3-Dinitrobenzene	ug/Kg	120 U	120 U	120 U	120 U		120 U	
Tetryl	ug/Kg	120 U	120 U	120 U	400 U		400 U	
2,4,6-Trinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U		120 U	
4-amino-2,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U		120 U	
2-amino-4,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U		120 U	
2,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U		120 U	
2,4-Dinitrotoluene	ug/Kg	120 U	360	980	120 U		120 U	
Metals								
Aluminum	mg/kg	10800	13300	14700	6880		14600	
Antimony	mg/kg	6.4 J	143 J	34.1 J	5.4 U J		4.9 U J	
Arsenic	mg/kg	3.9	4.1	5.6	4.7 J		4 J	
Barium	mg/kg	727	209	1190	48.5 J		195 J	
Beryllium	mg/kg	0.48 J	0.4 J	0.6 J	0.47 R		0.76 R	
Cadmium	mg/kg	2.8	7.2	3.1	2.4		4.7	
Calcium	mg/kg	31100	24500	27800	10400		19600	
Chromium	mg/kg	21.4	17.6	27.4	14.3 J		31.2 J	
Cobalt	mg/kg	12	8.4 J	14.4	8.7		14.4	
Copper	mg/kg	1430	583	13000	56.2		141	
Iron	mg/kg	23000	18700	29700	19400		36600	
Lead	mg/kg	837	603	4280	123		233	
Magnesium	mg/kg	5690	4460	7270	3230		6750	
Manganese	mg/kg	369	250	447	186		471	
Mercury	mg/kg	0.04 U	0.03 J	0.11	0.08 R		0.07 R	
Nickel	mg/kg	39.9 J	33.3 J	49.9 J	30.2 J		56.2 J	
Potassium	mg/kg	1110	878 J	1920	799 J		2280 J	
Selenium	mg/kg	0.15 UJ	0.37 J	0.21 UJ	0.34 J		0.34 J	
Silver	mg/kg	0.72 J	0.78 U	1.4	0.38 J		1.2 J	
Sodium	mg/kg	175 J	93.4 U	200 J	50.3 J		162 J	
Thallium	mg/kg	0.34 U	0.61 U	0.48 U	0.54 J		0.44 J	
Vanadium	mg/kg	18	12.8	21	10.9 R		21.6	
Zinc	mg/kg	799	127000	3180	427		959	
Cyanide	mg/kg	0.63 U	0.65 U	0.66 U	0.63 U		0.6 U	

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

COMPOUND	MATRIX LOCATION DEPTH DATE ES ID LAB ID UNITS	SOIL PAD D 2-4' 01/07/92 PBD-1-3 152013	SOIL PAD D 2-4' 01/07/92 PBD-1-3A 152014	SOIL PAD E 0-6" 01/08/92 PBE-1-1 152094	SOIL PAD E 0-6" 01/08/92 PBE-1-1R 152094	SOIL PAD E 2-4' 01/08/92 PBE-1-3 152096	SOIL OB 0-2 03/11/93 PBE-2-1 179891	SOIL OB 0-2 03/11/93 PBE-3-1 179892
Volatile Organic Compounds								
Chloromethane	ug/Kg	11 U J	11 U J	10 U J	11 U J	12 U	11 U	11 U
Bromomethane	ug/Kg	11 U J	11 U J	10 U J	11 U J	12 U	11 U	11 U
Vinyl Chloride	ug/Kg	11 U J	11 U J	10 U J	11 U J	12 U	11 U	11 U
Chloroethane	ug/Kg	11 U J	11 U J	10 U J	11 U J	12 U	11 U	11 U
Methylene Chloride	ug/Kg	6 U J	7 U J	8 U J	6 U J	7 U	11 U	11 U
Acetone	ug/Kg	11 U J	11 U J	10 U J	11 U J	24 U	11 U	11 U
Carbon Disulfide	ug/Kg	5 U J	6 U J	5 U J	5 U J	6 U	11 U	11 U
1,1-Dichloroethene	ug/Kg	5 U J	6 U J	5 U J	5 U J	6 U	11 U	11 U
1,1-Dichloroethane	ug/Kg	5 U J	6 U J	5 U J	5 U J	6 U	11 U	11 U
1,2-Dichloroethene (total)	ug/Kg	5 U J	6 U J	5 U J	5 U J	6 U	11 U	11 U
Chloroform	ug/Kg	5 U J	6 U J	5 U J	5 U J	6 U	11 U	11 U
1,2-Dichloroethane	ug/Kg	5 U J	6 U J	5 U J	5 U J	6 U	11 U	11 U
2-Butanone	ug/Kg	11 U J	11 U J	10 U J	11 U J	12 U	11 U	11 U
1,1,1-Trichloroethane	ug/Kg	5 U J	6 U J	5 U J	5 U J	6 U	11 U	11 U
Carbon Tetrachloride	ug/Kg	5 U J	6 U J	5 U J	5 U J	6 U	11 U	11 U
Vinyl Acetate	ug/Kg	11 U J	11 U J	10 U J	11 U J	12 U		
Bromodichloromethane	ug/Kg	5 U J	6 U J	5 U J	5 U J	6 U	11 U	11 U
1,2-Dichloropropane	ug/Kg	5 U J	6 U J	5 U J	5 U J	6 U	11 U	11 U
cis-1,3-Dichloropropene	ug/Kg	5 U J	6 U J	5 U J	5 U J	6 U	11 U	11 U
Trichloroethene	ug/Kg	5 U J	6 U J	5 U J	5 U J	6 U	11 U	11 U
Dibromochloromethane	ug/Kg	5 U J	6 U J	5 U J	5 U J	6 U	11 U	11 U
1,1,2-Trichloroethane	ug/Kg	5 U J	6 U J	5 U J	5 U J	6 U	11 U	11 U
Benzene	ug/Kg	3 J	3 J	5 U J	5 U J	6 U	11 U	11 U
trans-1,3-Dichloropropene	ug/Kg	5 U J	6 U J	5 U J	5 U J	6 U	11 U	11 U
Bromoform	ug/Kg	5 U J	6 U J	5 U J	5 U J	6 U	11 U	11 U
4-Methyl-2-Pentanone	ug/Kg	11 U J	11 U J	10 U J	11 U J	12 U	11 U	11 U
2-Hexanone	ug/Kg	11 U J	11 U J	10 U J	11 U J	12 U	11 U	11 U
Tetrachloroethene	ug/Kg	5 U J	6 U J	5 U J	5 U J	6 U	11 U	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	5 U J	6 U J	5 U J	5 U J	6 U	11 U	11 U
Toluene	ug/Kg	2 J	6 U J	4 J	3 J	6 U	11 U	11 U
Chlorobenzene	ug/Kg	5 U J	6 U J	5 U J	5 U J	6 U	11 U	11 U
Ethylbenzene	ug/Kg	5 U J	6 U J	5 U J	5 U J	6 U	11 U	11 U
Styrene	ug/Kg	5 U J	6 U J	5 U J	5 U J	6 U	11 U	11 U
Xylene (total)	ug/Kg	5 U J	6 U J	5 U J	5 U J	6 U	11 U	11 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD D	PAD D	PAD E	PAD E	PAD E	OB	OB
	DEPTH	2-4'	2-4'	0-6"	0-6"	2-4'	0-2	0-2
	DATE	01/07/92	01/07/92	01/08/92	01/08/92	01/08/92	03/11/93	03/11/93
	ES ID	PBD-1-3	PBD-1-3A	PBE-1-1	PBE-1-1R	PBE-1-3	PBE-2-1	PBE-3-1
	LAB ID	152013	152014	152094	152094	152096	179891	179892
COMPOUND	UNITS							
Semivolatiles								
Phenol	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
bis(2-Chloroethyl) ether	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
2-Chlorophenol	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
1,3-Dichlorobenzene	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
1,4-Dichlorobenzene	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
Benzyl Alcohol	ug/Kg	720 U	720 U	680 U	780 U			
1,2-Dichlorobenzene	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
2-Methylphenol	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
4-Methylphenol	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
N-Nitroso-di-n-propylamine	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
Hexachloroethane	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
Nitrobenzene	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
Isophorone	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
2-Nitrophenol	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
2,4-Dimethylphenol	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
Benzoic acid	ug/Kg	3500 U	3500 U	3300 U	3800 U			
bis(2-Chloroethoxy) methane	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
2,4-Dichlorophenol	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
1,2,4-Trichlorobenzene	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
Naphthalene	ug/Kg	210 J	190 J	680 U	780 U	34 J	20 J	
4-Chloroaniline	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
Hexachlorobutadiene	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
4-Chloro-3-methylphenol	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
2-Methylnaphthalene	ug/Kg	220 J	160 J	680 U	780 U	120 J	30 J	
Hexachlorocyclopentadiene	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
2,4,6-Trichlorophenol	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
2,4,5-Trichlorophenol	ug/Kg	3500 U	3500 U	3300 U	3800 U	870 U	900 U	
2-Chloronaphthalene	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
2-Nitroaniline	ug/Kg	3500 U	3500 U	3300 U	3800 U	870 U	900 U	
Dimethylphthalate	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
Acenaphthylene	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
2,6-Dinitrotoluene	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
3-Nitroaniline	ug/Kg	3500 U	3500 U	3300 U	3800 U	870 U	900 U	
Acenaphthene	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
2,4-Dinitrophenol	ug/Kg	3500 U	3500 U	3300 U	3800 U	870 U	900 U	
4-Nitrophenol	ug/Kg	3500 U	3500 U	3300 U	3800 U	870 U	900 U	
Dibenzofuran	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
2,4-Dinitrotoluene	ug/Kg	720 U	720 U	680 U	160 J	360 U	370 U	
Diethylphthalate	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
4-Chlorophenyl-phenylether	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
Fluorene	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
4-Nitroaniline	ug/Kg	3500 U	3500 U	3300 U	3800 U	870 U	900 U	
4,6-Dinitro-2-methylphenol	ug/Kg	3500 U	3500 U	3300 U	3800 U	870 U	900 U	
N-Nitrosodiphenylamine	ug/Kg	720 U	720 U	660 U	290 J	360 U	370 U	
4-Bromophenyl-phenylether	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
Hexachlorobenzene	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
Pentachlorophenol	ug/Kg	3500 U	3500 U	3300 U	3800 U	870 U	900 U	
Phenanthrene	ug/Kg	160 J	180 J	680 U	780 U	65 J	20 J	
Anthracene	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
Carbazole	ug/Kg					360 U	370 U	
Di-n-butylphthalate	ug/Kg	720 U	720 U	680 U	660 J	360 U	370 U	
Fluoranthene	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
Pyrene	ug/Kg	720 U	720 U	680 U	780 U	18 J	370 U	
Butylbenzylphthalate	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
3,3'-Dichlorobenzidine	ug/Kg	1400 U	1400 U	1400 U	1600 U	360 U	370 U	
Benzo(a)anthracene	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
Chrysene	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
bis(2-Ethylhexyl)phthalate	ug/Kg	420 J	290 J	680 U	780 U	360 U	370 U	
Di-n-octylphthalate	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
Benzo(b)fluoranthene	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
Benzo(k)fluoranthene	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
Benzo(a)pyrene	ug/Kg	720 U	720 U	680 U	780 U	360 U	18 J	
Indeno(1,2,3-cd)pyrene	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
Dibenz(a,h)anthracene	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	
Benzo(g,h,i)perylene	ug/Kg	720 U	720 U	680 U	780 U	360 U	370 U	

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD D	PAD D	PAD E	PAD E	PAD E	OB	OB
	DEPTH	2-4'	2-4'	0-6"	0-6"	2-4'	0-2	0-2
	DATE	01/07/92	01/07/92	01/08/92	01/08/92	01/08/92	03/11/93	03/11/93
	ES ID	PBD-1-3	PBD-1-3A	PBE-1-1	PBE-1-1R	PBE-1-3	PBE-2-1	PBE-3-1
	LAB ID	152013	152014	152094	152094	152096	179891	179892
COMPOUND	UNITS							
Pesticides/PCBs								
alpha-BHC	ug/kg	18 U	17 U	17 U		19 U	3.7 U	19 U
beta-BHC	ug/kg	18 U	17 U	17 U		19 U	3.7 U	19 U
delta-BHC	ug/kg	18 U	17 U	17 U		19 U	3.7 U	19 U
gamma-BHC (Lindane)	ug/kg	18 U	17 U	17 U		19 U	3.7 U	19 U
Heptachlor	ug/kg	18 U	17 U	17 U		19 U	3.7 U	19 U
Aldrin	ug/kg	18 U	17 U	17 U		19 U	3.7 U	19 U
Heptachlor epoxide	ug/kg	18 U	17 U	17 U		19 U	3.7 U	19 U
Endosulfan I	ug/kg	18 U	17 U	17 U		19 U	3.7 U	19 U
Dieldrin	ug/kg	35 U	35 U	33 U		38 U	7.3 U	37 U
4,4'-DDE	ug/kg	35 U	35 U	33 U		38 U	7.3 U	37 U
Endrin	ug/kg	35 U	35 U	33 U		38 U	7.3 U	37 U
Endosulfan II	ug/kg	35 U	35 U	33 U		38 U	4.6 J	37 U
4,4'-DDD	ug/kg	35 U	35 U	33 U		38 U	7.3 U	37 U
Endosulfan sulfate	ug/kg	35 U	35 U	33 U		38 U	3.9 J	37 U
4,4'-DDT	ug/kg	35 U	35 U	33 U		38 U	7.3 U	37 U
Methoxychlor	ug/kg	180 U	170 U	170 U		190 U	37 U	190 U
Endrin ketone	ug/kg	35 U	35 U	33 U		38 U	7.3 U	37 U
Endrin aldehyde	ug/kg						7.3 U	37 U
alpha-Chlordane	ug/kg	180 U	170 U	170 U		190 U	5.4	19 U
gamma-Chlordane	ug/kg	180 U	170 U	170 U		190 U	3.7 U	19 U
Toxaphene	ug/kg	350 U	350 U	330 U		380 U	370 U	1900 U
Aroclor-1016	ug/kg	180 U	170 U	170 U		190 U	73 U	370 U
Aroclor-1221	ug/kg	180 U	170 U	170 U		190 U	150 U	750 U
Aroclor-1232	ug/kg	180 U	170 U	170 U		190 U	73 U	370 U
Aroclor-1242	ug/kg	180 U	170 U	170 U		190 U	73 U	370 U
Aroclor-1248	ug/kg	180 U	170 U	170 U		190 U	73 U	370 U
Aroclor-1254	ug/kg	350 U	350 U	330 U		380 U	73 U	370 U
Aroclor-1260	ug/kg	350 U	350 U	330 U		380 U	73 U	370 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD D	PAD D	PAD E	PAD E	PAD E	OB	OB
	DEPTH	2-4'	2-4'	0-6"	0-6"	2-4'	0-2	0-2
	DATE	01/07/92	01/07/92	01/08/92	01/08/92	01/08/92	03/11/93	03/11/93
	ES ID	PBD-1-3	PBD-1-3A	PBE-1-1	PBE-1-1R	PBE-1-3	PBE-2-1	PBE-3-1
	LAB ID	152013	152014	152094	152094	152096	179691	179892
	UNITS							
Explosives								
HMX	ug/Kg	1000 U	1000 U	1000 U		1000 U	120 U	120 U
RDX	ug/Kg	120 U	190 J	120 U		120 U	120 U	120 U
1,3,5-Trinitrobenzene	ug/Kg	120 U	120 U	120 U		120 U	120 U	120 U
1,3-Dinitrobenzene	ug/Kg	120 U	120 U	120 U		120 U	120 U	120 U
Tetryl	ug/Kg	400 U	400 U	400 U		400 U	120 U	120 U
2,4,6-Trinitrotoluene	ug/Kg	120 U	120 U	120 U		120 U	120 U	120 U
4-amino-2,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U		120 U	120 U	120 U
2-amino-4,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U		120 U	120 U	120 U
2,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U		120 U	120 U	120 U
2,4-Dinitrotoluene	ug/Kg	130 U	120 U	120 U		510	240	120
Metals								
Aluminum	mg/kg	10600	10700	15500		20200	15700	14200
Antimony	mg/kg	75.6 J	21.6 J	5.1 UJ		5.8 UJ	5.4 UJ	13.3 J
Arsenic	mg/kg	8.6 J	8.2 J	4.5 J		5.8 J	5.2	4.8
Barium	mg/kg	1970 J	359 J	38		211	143	309
Beryllium	mg/kg	0.5 R	0.62 R	0.78 R		0.79 R	0.69 J	0.57
Cadmium	mg/kg	17.6	15.2	2.9		3.2	1.4	2.8
Calcium	mg/kg	124000 J	39800 J	25100		8720	22500	24500
Chromium	mg/kg	40 J	22 J	27.4 J		28.5 J	29.5	32.7
Cobalt	mg/kg	7.7	9.9	14.3		10.5	14.8	12.6
Copper	mg/kg	1640 J	254 J	37.9		133	125	235
Iron	mg/kg	24300	25000	35700		33200	33400	26800
Lead	mg/kg	16000 J	3930 J	30.4 R		205	140	224
Magnesium	mg/kg	7540	6010	7700		5810	7670	6570
Manganese	mg/kg	480	322	313		549	404	374
Mercury	mg/kg	0.06 R	0.1 R	0.07 R		0.09 R	0.06 J	0.05 J
Nickel	mg/kg	28.9 J	39.8 J	58.5 J		34.6 J	55.2 J	56.5 J
Potassium	mg/kg	2380 J	1410 J	1490 J		2170 J	2160	1550
Selenium	mg/kg	0.46 J	0.59 J	0.39 J		0.19 J	0.26 J	0.4 J
Silver	mg/kg	0.97 J	0.42 J	0.51 J		0.37 U	0.85 U	0.84 J
Sodium	mg/kg	324 J	130 J	93.7 J		322 J	141 J	197 J
Thallium	mg/kg	0.44	0.47	0.47 U		0.35 U	0.46 U	0.55 U
Vanadium	mg/kg	17.9	14.4 R	19.9		28.8	21.8	18.6
Zinc	mg/kg	1060	457	195		158	374 J	1060
Cyanide	mg/kg	0.58 U	0.63 U	0.6 U		0.61 U	0.66 U	0.67 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	PAD-F	PAD-F	OB
	DEPTH	0-2	0-2	0-2	0-2	0-6"	4-6'	0-2
	DATE	03/11/93	03/11/93	03/11/93	03/11/93	12/11/91	12/12/91	01/13/93
	ES ID	PBE3-1RE	PBE-4-1	PBE4-1RE	PBE-5-1	PB-F-1-1	PB-F-1-4	PBF-2-1
	LAB ID	179892R1	179893	179893R1	179894	150788	150791	177256
COMPOUND	UNITS							
Volatile Organic Compounds								
Chloromethane	ug/Kg	11 U	14 U	14 U	11 U	11 U	11 U	12 U
Bromomethane	ug/Kg	11 U	14 U	14 U	11 U	11 U	11 U	12 U
Vinyl Chloride	ug/Kg	11 U	14 U	14 U	11 U	11 U	11 U	12 U
Chloroethane	ug/Kg	11 U	14 U	14 U	11 U	11 U	11 U	12 U
Methylene Chloride	ug/Kg	11 U	14 U	14 U	11 U	6 U	6 U	12 U
Acetone	ug/Kg	11 U	14 U	14 U	11 U	11 U	36 U	22 U
Carbon Disulfide	ug/Kg	11 U	14 U	14 U	11 U	6 U	6 U	12 U
1,1-Dichloroethene	ug/Kg	11 U	14 U	14 U	11 U	6 U	6 U	12 U
1,1-Dichloroethane	ug/Kg	11 U	14 U	14 U	11 U	6 U	6 U	12 U
1,2-Dichloroethene (total)	ug/Kg	11 U	14 U	14 U	11 U	6 U	6 U	12 U
Chloroform	ug/Kg	11 U	14 U	14 U	11 U	6 U	6 U	12 U
1,2-Dichloroethane	ug/Kg	11 U	14 U	14 U	11 U	6 U	6 U	12 U
2-Butanone	ug/Kg	11 U	14 U	14 U	11 U	11 U	11 U	12 U
1,1,1-Trichloroethane	ug/Kg	11 U	14 U	14 U	11 U	6 U	6 U	12 U
Carbon Tetrachloride	ug/Kg	11 U	14 U	14 U	11 U	6 U	6 U	12 U
Vinyl Acetate	ug/Kg					11 U	11 U	
Bromodichloromethane	ug/Kg	11 U	14 U	14 U	11 U	6 U	6 U	12 U
1,2-Dichloropropane	ug/Kg	11 U	14 U	14 U	11 U	6 U	6 U	12 U
cis-1,3-Dichloropropene	ug/Kg	11 U	14 U	14 U	11 U	6 U	6 U	12 U
Trichloroethene	ug/Kg	11 U	14 U	14 U	11 U	6 U	6 U	12 U
Dibromochloromethane	ug/Kg	11 U	14 U	14 U	11 U	6 U	6 U	12 U
1,1,2-Trichloroethane	ug/Kg	11 U	14 U	14 U	11 U	6 U	6 U	12 U
Benzene	ug/Kg	11 U	14 U	14 U	11 U	6 U	6 U	12 U
trans-1,3-Dichloropropene	ug/Kg	11 U	14 U	14 U	11 U	6 U	6 U	12 U
Bromoform	ug/Kg	11 U	14 U	14 U	11 U	6 U	6 U	12 U
4-Methyl-2-Pentanone	ug/Kg	11 U	14 U	14 U	11 U	11 U	11 U	12 U
2-Hexanone	ug/Kg	11 U	14 U	14 U	11 U	11 U	11 U	12 U
Tetrachloroethene	ug/Kg	11 U	14 U	14 U	11 U	6 U	6 U	12 U
1,1,2,2-Tetrachloroethane	ug/Kg	11 U	14 U	14 U	11 U	6 U	6 U	12 U
Toluene	ug/Kg	11 U	14 U	14 U	11 U	6 U	2 J	12 U
Chlorobenzene	ug/Kg	11 U	14 U	14 U	11 U	6 U	6 U	12 U
Ethylbenzene	ug/Kg	11 U	14 U	14 U	11 U	6 U	6 U	12 U
Styrene	ug/Kg	11 U	14 U	14 U	11 U	6 U	6 U	12 U
Xylene (total)	ug/Kg	11 U	14 U	14 U	11 U	6 U	6 U	12 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	PAD-F	PAD-F	OB
	DEPTH	0-2	0-2	0-2	0-2	0-6"	4-6'	0-2
	DATE	03/11/93	03/11/93	03/11/93	03/11/93	12/11/91	12/12/91	01/13/93
	ES ID	PBE3-1RE	PBE-4-1	PBE4-1RE	PBE-5-1	PB-F-1-1	PB-F-1-4	PBF-2-1
	LAB ID	179892R1	179893	179893R1	179894	150788	150791	177256
COMPOUND	UNITS							
Semivolatiles								
Phenol	ug/Kg		390 U		360 U	730 U	730 U	360 U
bis(2-Chloroethyl) ether	ug/Kg		390 U		360 U	730 U	730 U	360 U
2-Chlorophenol	ug/Kg		390 U		360 U	730 U	730 U	360 U
1,3-Dichloroberzene	ug/Kg		390 U		360 U	730 U	730 U	360 U
1,4-Dichloroberzene	ug/Kg		390 U		360 U	730 U	730 U	360 U
Benzyl Alcohol	ug/Kg					730 U	730 U	
1,2-Dichloroberzene	ug/Kg		390 U		360 U	730 U	730 U	360 U
2-Methylphenol	ug/Kg		390 U		360 U	730 U	730 U	360 U
2,2'-oxybis(1-Chloropropane)	ug/Kg		390 U		360 U	730 U	730 U	360 U
4-Methylphenol	ug/Kg		390 U		360 U	730 U	730 U	360 U
N-Nitroso-di-n-propylamine	ug/Kg		390 U		360 U	730 U	730 U	360 U
Hexachloroethane	ug/Kg		390 U		360 U	730 U	730 U	360 U
Nitrobenzene	ug/Kg		390 U		360 U	730 U	730 U	360 U
Isophorone	ug/Kg		390 U		360 U	730 U	730 U	360 U
2-Nitrophenol	ug/Kg		390 U		360 U	730 U	730 U	360 U
2,4-Dimethylphenol	ug/Kg		390 U		360 U	730 U	730 U	360 U
Benzoic acid	ug/Kg					3500 U	3600 U	
bis(2-Chloroethoxy) methane	ug/Kg		390 U		360 U	730 U	730 U	360 U
2,4-Dichlorophenol	ug/Kg		390 U		360 U	730 U	730 U	360 U
1,2,4-Trichloroberzene	ug/Kg		390 U		360 U	730 U	730 U	360 U
Naphthalene	ug/Kg		390 U		360 U	730 U	730 U	21 J
4-Chloroaniline	ug/Kg		390 U		360 U	730 U	730 U	360 U
Hexachlorobutadiene	ug/Kg		390 U		360 U	730 U	730 U	360 U
4-Chloro-3-methylphenol	ug/Kg		390 U		360 U	730 U	730 U	360 U
2-Methylnaphthalene	ug/Kg		390 U		31 J	100 J	730 U	82 J
Hexachlorocyclopentadiene	ug/Kg		390 U		360 U	730 U	730 U	360 U
2,4,6-Trichlorophenol	ug/Kg		390 U		360 U	730 U	730 U	360 U
2,4,5-Trichlorophenol	ug/Kg		940 U		870 U	3500 U	3600 U	870 U
2-Chloronaphthalene	ug/Kg		390 U		360 U	730 U	730 U	360 U
2-Nitroaniline	ug/Kg		940 U		870 U	3500 U	3600 U	870 U
Dimethylphthalate	ug/Kg		390 U		360 U	730 U	730 U	360 U
Acenaphthylene	ug/Kg		390 U		360 U	730 U	730 U	360 U
2,6-Dinitrotoluene	ug/Kg		390 U		360 U	730 U	730 U	360 U
3-Nitroaniline	ug/Kg		940 U		870 U	3500 U	3600 U	870 U
Acenaphthene	ug/Kg		390 U		360 U	730 U	730 U	360 U
2,4-Dinitrophenol	ug/Kg		940 U		870 U	3500 U	3600 U	870 U
4-Nitrophenol	ug/Kg		940 U		870 U	3500 U	3600 U	870 U
Dibenzofuran	ug/Kg		390 U		360 U	730 U	730 U	360 U
2,4-Dinitrotoluene	ug/Kg		390 U		360 U	730 U	730 U	100 J
Diethylphthalate	ug/Kg		390 U		360 U	730 U	730 U	360 U
4-Chlorophenyl-phenylether	ug/Kg		390 U		360 U	730 U	730 U	360 U
Fluorene	ug/Kg		390 U		360 U	730 U	730 U	360 U
4-Nitroaniline	ug/Kg		940 U		870 U	3500 U	3600 U	870 U
4,6-Dinitro-2-methylphenol	ug/Kg		940 U		870 U	3500 U	3600 U	870 U
N-Nitrosodiphenylamine	ug/Kg		390 U		360 U	730 U	730 U	360 U
4-Bromophenyl-phenylether	ug/Kg		390 U		360 U	730 U	730 U	360 U
Hexachloroberzene	ug/Kg		390 U		360 U	730 U	730 U	360 U
Pentachlorophenol	ug/Kg		940 U		870 U	3500 U	3600 U	870 U
Phenanthrene	ug/Kg		390 U		360 U	730 U	730 U	34 J
Anthracene	ug/Kg		390 U		360 U	730 U	730 U	360 U
Carbazole	ug/Kg		390 U		360 U			360 U
Di-n-butylphthalate	ug/Kg		390 U		360 U	730 U	730 U	270 J
Fluoranthene	ug/Kg		390 U		360 U	730 U	730 U	21 J
Pyrene	ug/Kg		390 U		360 U	730 U	730 U	360 U
Butylbenzylphthalate	ug/Kg		390 U		360 U	730 U	730 U	360 U
3,3'-Dichlorobenzidine	ug/Kg		390 U		360 U	1500 U	1500 U	360 U
Benzo(a)anthracene	ug/Kg		390 U		360 U	730 U	730 U	360 U
Chrysene	ug/Kg		390 U		360 U	730 U	730 U	360 U
bis(2-Ethylhexyl)phthalate	ug/Kg		390 U		360 U	730 U	730 U	620
Di-n-octylphthalate	ug/Kg		390 U		360 U	730 U	730 U	360 U
Benzo(b)fluoranthene	ug/Kg		390 U		360 U	730 U	730 U	360 U
Benzo(k)fluoranthene	ug/Kg		390 U		360 U	730 U	730 U	360 U
Benzo(a)pyrene	ug/Kg		390 U		360 U	730 U	730 U	360 U
Indeno(1,2,3-cd)pyrene	ug/Kg		390 U		360 U	730 U	730 U	360 U
Dibenz(a,h)anthracene	ug/Kg		390 U		360 U	730 U	730 U	360 U
Benzo(g,h,i)perylene	ug/Kg		390 U		360 U	730 U	730 U	360 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	PAD-F	PAD-F	OB
	DEPTH	0-2	0-2	0-2	0-2	0-6"	4-6'	0-2
	DATE	03/11/93	03/11/93	03/11/93	03/11/93	12/11/91	12/12/91	01/13/93
	ES ID	PBE3-1RE	PBE-4-1	PBE4-1RE	PBE-5-1	PB-F-1-1	PB-F-1-4	PBF-2-1
	LAB ID	179892R1	179893	179893R1	179894	150788	150791	177256
COMPOUND	UNITS							
Pesticides/PCBs								
alpha-BHC	ug/kg		2 U		1.8 U	18 U	18 U	1.9 U
beta-BHC	ug/kg		2 U		1.8 U	18 U	18 U	1.9 U
delta-BHC	ug/kg		2 U		1.8 U	18 U	18 U	1.9 U
gamma-BHC (Lindane)	ug/kg		2 U		1.8 U	18 U	18 U	1.9 U
Heptachlor	ug/kg		2 U		1.8 U	18 U	18 U	1.9 U
Aldrin	ug/kg		2 U		0.96 J	18 U	18 U	1.9 U
Heptachlor epoxide	ug/kg		2 U		1.8 U	18 U	18 U	1.9 U
Endosulfan I	ug/kg		2 U		1.8 U	18 U	18 U	1.9 U
Dieldrin	ug/kg		3.9 U		3.6 U	35 U	36 U	3.6 U
4,4'-DDE	ug/kg		3.9 U		3.6 U	35 U	36 U	1.5 J
Endrin	ug/kg		3.9 U		3.6 U	35 U	36 U	2.4 J
Endosulfan II	ug/kg		3.9 U		3.6 U	35 U	36 U	3.6 U
4,4'-DDD	ug/kg		3.9 U		3.6 U	35 U	36 U	2.3 J
Endosulfan sulfate	ug/kg		3.9 U		3.6 U	35 U	36 U	3.6 U
4,4'-DDT	ug/kg		3.9 U		3.6 U	35 U	36 U	3.6 U
Methoxychlor	ug/kg		20 U		18 U	180 U	180 U	19 U
Endrin ketone	ug/kg		3.9 U		3.6 U	35 U	36 U	3.6 U
Endrin aldehyde	ug/kg		3.9 U		3.6 U			3.6 U
alpha-Chlordane	ug/kg		2 U		1.4 J	180 U	180 U	1.9 U
gamma-Chlordane	ug/kg		2 U		1.8 U	180 U	180 U	1.9 U
Toxaphene	ug/kg		200 U		180 U	350 U	360 U	190 U
Aroclor-1016	ug/kg		39 U		36 U	180 U	180 U	36 U
Aroclor-1221	ug/kg		80 U		73 U	180 U	180 U	74 U
Aroclor-1232	ug/kg		39 U		36 U	180 U	180 U	36 U
Aroclor-1242	ug/kg		39 U		36 U	180 U	180 U	36 U
Aroclor-1248	ug/kg		39 U		36 U	180 U	180 U	36 U
Aroclor-1254	ug/kg		39 U		36 U	350 U	360 U	36 U
Aroclor-1260	ug/kg		39 U		36 U	350 U	360 U	36 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	PAD-F	PAD-F	OB
	DEPTH	0-2	0-2	0-2	0-2	0-6'	4-6'	0-2
	DATE	03/11/93	03/11/93	03/11/93	03/11/93	12/11/91	12/12/91	01/13/93
	ES ID	PBE3-1RE	PBE-4-1	PBE4-1RE	PBE-5-1	PB-F-1-1	PB-F-1-4	PBF-2-1
	LAB ID	179892R1	179893	179893R1	179894	150788	150791	177256
COMPOUND	UNITS							
Explosives								
HMX	ug/Kg		120 U		120 U	1000 U	1000 U	120 U
RDX	ug/Kg		120 U		120 U	280	120 U	120 U
1,3,5-Trinitrobenzene	ug/Kg		120 U		120 U	160	120 U	120 U
1,3-Dinitrobenzene	ug/Kg		120 U		120 U	120 U	120 U	120 U
Tetryl	ug/Kg		120 U		120 U	400 U	400 U	120 U
2,4,6-Trinitrotoluene	ug/Kg		120 U		120 U	590	120 U	120 U
4-amino-2,6-Dinitrotoluene	ug/Kg		120 U		120 U	2500	120 U	120 U
2-amino-4,6-Dinitrotoluene	ug/Kg		120 U		120 U	2700	120 U	120 U
2,6-Dinitrotoluene	ug/Kg		120 U		120 U	120 U	120 U	120 U
2,4-Dinitrotoluene	ug/Kg		120 U		120 U	570	120 U	1700
Metals								
Aluminum	mg/kg		12600		12900	16100	16100	12300
Antimony	mg/kg		5 UJ		5.1 UJ	9.7 R	5.7 R	14.3 J
Arsenic	mg/kg		5.6		4.1	4.1 J	3.5 J	6.7 J
Barium	mg/kg		96.8		61.4	1560 J	178 J	991
Beryllium	mg/kg		0.58 J		0.61 J	0.64 R	0.69 R	0.58
Cadmium	mg/kg		0.36 U		0.37 U	8.8	3.3	1.6
Calcium	mg/kg		19400		19200	105000 J	42300 J	17100
Chromium	mg/kg		24.2		24.2	24.2	24.4	29.5
Cobalt	mg/kg		14.9		13.5	9.1	11.2	11.5
Copper	mg/kg		39.9		36.2	90.9 J	52 J	492
Iron	mg/kg		27100		29000	22900 J	28300 J	29900
Lead	mg/kg		26.2		180	2320 J	59.6	2850
Magnesium	mg/kg		6410		6340	10600	7830	5410
Manganese	mg/kg		317		290	385	389	399
Mercury	mg/kg		0.05 U		0.03 J	0.17	0.03 U	0.09 J
Nickel	mg/kg		50.5 J		51.9 J	37	39.8	37.1
Potassium	mg/kg		1490		1620	3030	1780	1360
Selenium	mg/kg		0.46 J		0.41 J	0.2 J	0.11 U J	0.16 J
Silver	mg/kg		0.78 U		0.8 U	1.6 U	0.92 U	0.47 J
Sodium	mg/kg		98.3 J		102 J	191 J	97.3 J	88.5 J
Thallium	mg/kg		0.51 U		0.45 U	0.65 U	0.35 U	0.34 U
Vanadium	mg/kg		18.7		18.1	20.2	22.3	17.6
Zinc	mg/kg		187 J		143 J	494 J	114 J	465
Cyanide	mg/kg		0.56 U		0.53 U	1.1	0.68 U	0.67 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB	OB
	DEPTH	4-6	6-8	0-2	0-2	0-2	0-2	0-2
	DATE	01/13/93	01/13/93	01/13/93	03/12/93	03/12/93	03/12/93	03/12/93
	ES ID	PBF-2-3	PBF-2-4	PBF-2-6	PBF-3-1	PBF-3-2	PBF-4-1	PBF-5-1
	LAB ID	177258	177259	177261	179982	179983	179984	179985
COMPOUND	UNITS			DUP PBF-2-1				
Volatile Organic Compounds								
Chloromethane	ug/Kg		60 U	12 U	11 U	11 U	11 U	11 U
Bromomethane	ug/Kg		60 U	12 U	11 U	11 U	11 U	11 U
Vinyl Chloride	ug/Kg		60 U	12 U	11 U	11 U	11 U	11 U
Chloroethane	ug/Kg		60 U	12 U	11 U	11 U	11 U	11 U
Methylene Chloride	ug/Kg		60 U	12 U	11 U	11 U	11 U	11 U
Acetone	ug/Kg		52 J	43 U	11 U	11 U	11 U	11 U
Carbon Disulfide	ug/Kg		60 U	12 U	11 U	11 U	11 U	11 U
1,1-Dichloroethene	ug/Kg		60 U	12 U	11 U	11 U	11 U	11 U
1,1-Dichloroethane	ug/Kg		60 U	12 U	11 U	11 U	11 U	11 U
1,2-Dichloroethene (total)	ug/Kg		60 U	12 U	11 U	11 U	11 U	1 J
Chloroform	ug/Kg		60 U	12 U	11 U	11 U	11 U	11 U
1,2-Dichloroethane	ug/Kg		60 U	12 U	11 U	11 U	11 U	11 U
2-Butanone	ug/Kg		60 U	9 J	11 U	11 U	11 U	11 U
1,1,1-Trichloroethane	ug/Kg		60 U	12 U	11 U	11 U	11 U	11 U
Carbon Tetrachloride	ug/Kg		60 U	12 U	11 U	11 U	11 U	11 U
Vinyl Acetate	ug/Kg							
Bromodichloromethane	ug/Kg		60 U	12 U	11 U	11 U	11 U	11 U
1,2-Dichloropropane	ug/Kg		60 U	12 U	11 U	11 U	11 U	11 U
cis-1,3-Dichloropropene	ug/Kg		60 U	12 U	11 U	11 U	11 U	11 U
Trichloroethene	ug/Kg		60 U	12 U	11 U	11 U	11 U	2 J
Dibromochloromethane	ug/Kg		60 U	12 U	11 U	11 U	11 U	11 U
1,1,2-Trichloroethane	ug/Kg		60 U	12 U	11 U	11 U	11 U	11 U
Benzene	ug/Kg		60 U	12 U	11 U	11 U	11 U	11 U
trans-1,3-Dichloropropene	ug/Kg		60 U	12 U	11 U	11 U	11 U	11 U
Bromoform	ug/Kg		60 U	12 U	11 U	11 U	11 U	11 U
4-Methyl-2-Pentanone	ug/Kg		60 U	12 U	11 U	11 U	11 U	11 U
2-Hexanone	ug/Kg		60 U	12 U	11 U	11 U	11 U	11 U
Tetrachloroethene	ug/Kg		60 U	12 U	11 U	11 U	11 U	4 J
1,1,2,2-Tetrachloroethane	ug/Kg		60 U	12 U	11 U	11 U	11 U	11 U
Toluene	ug/Kg		60 U	12 U	11 U	11 U	11 U	11 U
Chlorobenzene	ug/Kg		60 U	12 U	11 U	11 U	11 U	11 U
Ethylbenzene	ug/Kg		60 U	12 U	11 U	11 U	11 U	11 U
Styrene	ug/Kg		60 U	12 U	11 U	11 U	11 U	11 U
Xylene (total)	ug/Kg		60 U	12 U	11 U	11 U	8 J	11 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB	OB
	DEPTH	4-6	6-8	0-2	0-2	0-2	0-2	0-2
	DATE	01/13/93	01/13/93	01/13/93	03/12/93	03/12/93	03/12/93	03/12/93
	ES ID	PBF-2-3	PBF-2-4	PBF-2-6	PBF-3-1	PBF-3-2	PBF-4-1	PBF-5-1
	LAB ID	177258	177259	177261	179982	179983	179984	179985
COMPOUND	UNITS			DUP PBF-2-1				
Semivolatiles								
Phenol	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
bis(2-Chloroethyl) ether	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
2-Chlorophenol	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
1,3-Dichlorobenzene	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
1,4-Dichlorobenzene	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
Benzyl Alcohol	ug/Kg							
1,2-Dichlorobenzene	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
2-Methylphenol	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
4-Methylphenol	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
N-Nitroso-di-n-propylamine	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
Hexachloroethane	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
Nitrobenzene	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
Isophorone	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
2-Nitrophenol	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
2,4-Dimethylphenol	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
Benzoic acid	ug/Kg							
bis(2-Chloroethoxy) methane	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
2,4-Dichlorophenol	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
1,2,4-Trichlorobenzene	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
Naphthalene	ug/Kg	94 J		510 U	23 J	20 J	3400 U	360 U
4-Chloroaniline	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
Hexachlorobutadiene	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
4-Chloro-3-methylphenol	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
2-Methylnaphthalene	ug/Kg	660		110 J	66 J	63 J	1300 J	42 J
Hexachlorocyclopentadiene	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
2,4,6-Trichlorophenol	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
2,4,5-Trichlorophenol	ug/Kg	970 U		1200 U	990 U	890 U	8400 U	880 U
2-Chloronaphthalene	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
2-Nitroaniline	ug/Kg	970 U		1200 U	990 U	890 U	8400 U	880 U
Dimethylphthalate	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
Acenaphthylene	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
2,6-Dinitrotoluene	ug/Kg	400 U		240 J	100 J	370 U	3400 U	300 J
3-Nitroaniline	ug/Kg	970 U		1200 U	990 U	890 U	8400 U	880 U
Acenaphthene	ug/Kg	130 J		510 U	410 U	370 U	210 J	360 U
2,4-Dinitrophenol	ug/Kg	970 U		1200 U	990 U	890 U	8400 U	880 U
4-Nitrophenol	ug/Kg	970 U		1200 U	990 U	890 U	8400 U	880 U
Dibenzofuran	ug/Kg	93 J		510 U	410 U	370 U	3400 U	360 U
2,4-Dinitrotoluene	ug/Kg	400 U		3000 J	1100	160 J	3400 U	2400
Diethylphthalate	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
4-Chlorophenyl-phenylether	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
Fluorene	ug/Kg	250 J		510 U	410 U	370 U	3400 U	360 U
4-Nitroaniline	ug/Kg	970 U		1200 U	990 U	890 U	8400 U	880 U
4,6-Dinitro-2-methylphenol	ug/Kg	970 U		1200 U	990 U	890 U	8400 U	880 U
N-Nitrosodiphenylamine	ug/Kg	400 U		470 J	610	370 U	3400 U	640
4-Bromophenyl-phenylether	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
Hexachlorobenzene	ug/Kg	400 U		510 U	410 U	370 U	3400 U	28 J
Pentachlorophenol	ug/Kg	970 U		1200 U	990 U	890 U	8400 U	880 U
Phenanthrene	ug/Kg	790		49 J	34 J	32 J	1000 J	22 J
Anthracene	ug/Kg	39 J		510 U	410 U	370 U	3400 U	360 U
Carbazole	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
Di-n-butylphthalate	ug/Kg	400 U		280 J	180 J	230 J	3400 U	330 J
Fluoranthene	ug/Kg	60 J		26 J	410 U	370 U	3400 U	360 U
Pyrene	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
Butylbenzylphthalate	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
3,3'-Dichlorobenzidine	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
Benzo(a)anthracene	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
Chrysene	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
bis(2-Ethylhexyl)phthalate	ug/Kg	710		800	410 U	370 U	3400 U	360 U
Di-n-octylphthalate	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
Benzo(b)fluoranthene	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
Benzo(k) fluoranthene	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
Benzo(a)pyrene	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
Indeno(1,2,3-cd)pyrene	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
Dibenz(a,h)anthracene	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U
Benzo(g,h,i)perylene	ug/Kg	400 U		510 U	410 U	370 U	3400 U	360 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB	OB
	DEPTH	4-6	6-8	0-2	0-2	0-2	0-2	0-2
	DATE	01/13/93	01/13/93	01/13/93	03/12/93	03/12/93	03/12/93	03/12/93
	ES ID	PBF-2-3	PBF-2-4	PBF-2-6	PBF-3-1	PBF-3-2	PBF-4-1	PBF-5-1
	LAB ID	177258	177259	177261	179982	179983	179984	179985
COMPOUND	UNITS			DUP PBF-2-1				
Pesticides/PCBs								
alpha-BHC	ug/kg	2.1 U		1.8 U	2.1 U	1.9 U	1.8 U	9.2 U
beta-BHC	ug/kg	2.1 U		1.8 U	2.1 U	1.9 U	1.8 U	9.2 U
delta-BHC	ug/kg	2.1 U		1.8 U	2.1 U	1.9 U	1.8 U	9.2 U
gamma-BHC (Lindane)	ug/kg	2.1 U		1.8 U	2.1 U	1.9 U	1.8 U	9.2 U
Heptachlor	ug/kg	2.1 U		1.8 U	2.1 U	1.9 U	1.8 U	9.2 U
Aldrin	ug/kg	2.1 U		1.8 U	1.9 J	1 J	3.3	9.2 U
Heptachlor epoxide	ug/kg	2.1 U		1.8 U	2.1 U	1.9 U	1.8 U	9.2 U
Endosulfan I	ug/kg	2.1 U		1.8 U	2.1 U	3.7 J	1.4 J	9.2 U
Dieldrin	ug/kg	4 U		3.5 U	4.1 U	3.7 U	3.4 U	18 U
4,4'-DDE	ug/kg	4 U		1.8 J	4.1 U	3.7 U	3.4 U	18 U
Endrin	ug/kg	4 U		2.4 J	4.1 U	3.7 U	3.4 U	18 U
Endosulfan II	ug/kg	4 U		3.5 U	4.1 U	3.7 U	3.4 U	18 U
4,4'-DDD	ug/kg	4 U		1.8 J	3.6 J	2.1 J	2.4 J	18 U
Endosulfan sulfate	ug/kg	4 U		3.5 U	4.1 U	3.7 U	2.5 J	18 U
4,4'-DDT	ug/kg	4 U		3.5 U	4.1 U	2.6 J	3.4 U	18 U
Methoxychlor	ug/kg	21 U		18 U	21 U	19 U	18 U	92 U
Endrin ketone	ug/kg	4 U		3.5 U	4.1 U	3.7 U	3.4 U	18 U
Endrin aldehyde	ug/kg	4 U		3.5 U	4.1 U	3.7 U	3.4 U	18 U
alpha-Chlordane	ug/kg	2.1 U		1.8 U	2.1 U	1.9 U	1.8 U	9.2 U
gamma-Chlordane	ug/kg	2.1 U		1.8 U	2.1 U	1.9 U	1.8 U	9.2 U
Toxaphene	ug/kg	210 U		180 U	210 U	190 U	180 U	920 U
Aroclor-1016	ug/kg	40 U		35 U	41 U	37 U	34 U	180 U
Aroclor-1221	ug/kg	81 U		71 U	82 U	76 U	70 U	360 U
Aroclor-1232	ug/kg	40 U		35 U	41 U	37 U	34 U	180 U
Aroclor-1242	ug/kg	40 U		35 U	41 U	37 U	34 U	180 U
Aroclor-1248	ug/kg	40 U		35 U	41 U	37 U	34 U	180 U
Aroclor-1254	ug/kg	40 U		35 U	41 U	37 U	34 U	180 U
Aroclor-1260	ug/kg	40 U		35 U	41 U	37 U	34 U	180 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB	OB
	DEPTH	4-6	6-8	0-2	0-2	0-2	0-2	0-2
	DATE	01/13/93	01/13/93	01/13/93	03/12/93	03/12/93	03/12/93	03/12/93
	ES ID	PBF-2-3	PBF-2-4	PBF-2-6	PBF-3-1	PBF-3-2	PBF-4-1	PBF-5-1
	LAB ID	177258	177259	177261	179982	179983	179984	179985
COMPOUND	UNITS			DUP PBF-2-1				
Explosives								
HMX	ug/Kg	120 U		120 U	120 U	120 U	120 U	380 U
RDX	ug/Kg	120 U		120 U	110 J	73 J	120 U	600 J
1,3,5-Trinitrobenzene	ug/Kg	120 U		120 U	590 J	720 J	92 J	500 J
1,3-Dinitrobenzene	ug/Kg	120 U		120 U	120 U	120 U	120 U	380 U
Tetryl	ug/Kg	120 U		120 U	220 J	660	410 J	1000
2,4,6-Trinitrotoluene	ug/Kg	120 U		120 U	520 J	1400 J	110 J	5000 J
4-amino-2,6-Dinitrotoluene	ug/Kg	120 U		120 U	1400	2400	280 J	8900
2-amino-4,6-Dinitrotoluene	ug/Kg	120 U		120 U	1300	2200	350 J	11000
2,6-Dinitrotoluene	ug/Kg	120 U		120 U	120 U	120 U	120 U	380 U
2,4-Dinitrotoluene	ug/Kg	120 U		740	800	850	370	5000
Metals								
Aluminum	mg/kg	16500		11200	14200	12700	14500	14200
Antimony	mg/kg	6.6 UJ		6.3 J	4.6 J	8 J	6.3 J	6 J
Arsenic	mg/kg	4.7 J		3.7 J	5.6	6.5	5.6	4.2
Barium	mg/kg	157		607	952	798	332	947
Beryllium	mg/kg	0.78		0.52 J	0.83 J	0.57 J	0.63 J	0.63 J
Cadmium	mg/kg	0.38 U		2.1	1.2	1.1	0.37 J	0.85
Calcium	mg/kg	3170		22700	23600	55600	29000	25000
Chromium	mg/kg	21.5		24.3	29.6	24.1	26.5	25.1
Cobalt	mg/kg	11.8		11.3	14.4	11.1	14.3	12.4
Copper	mg/kg	31.8 R		1090	303	222	216	255
Iron	mg/kg	24100		24700	35300	29000	31200	28400
Lead	mg/kg	94.3 J		1260	1570	1250	1540	678
Magnesium	mg/kg	3830		5430	6570	7960	7460	6240
Manganese	mg/kg	657		439	511	384	425	562
Mercury	mg/kg	0.22		0.05 J	0.11 J	0.13	0.15	0.08 J
Nickel	mg/kg	22.9		35.5	47.5 J	38.1 J	51.7 J	39.4 J
Potassium	mg/kg	1530		1160	1570	1860	1630	1440
Selenium	mg/kg	0.22 J		0.28 J	0.27 J	0.18 UJ	0.26 J	0.29 J
Silver	mg/kg	0.65 J		0.53 J	1 J	0.6 U	0.68 U	0.63 U
Sodium	mg/kg	78.5 J		64.7 J	139 J	148 J	121 J	125 J
Thallium	mg/kg	0.49 U		0.55 U	0.6 U	0.42 U	0.5 U	0.66 U
Vanadium	mg/kg	29.1		16	20.1	18.5	19.9	20.4
Zinc	mg/kg	70.2 J		345	304 J	259 J	200 J	1370
Cyanide	mg/kg	0.74 U		0.64 U	0.73 U	0.68 U	0.84 U	0.66 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	PAD G	PAD G	PAD G	PAD G	PAD G	PAD G
	DEPTH	0-2	0-6"	0-6"	2-4'	0-6"	0-2'	0-6"
	DATE	03/12/93	01/08/92	01/08/92	01/08/92	01/09/92	01/09/92	01/09/92
	ES ID	PBF-6-1	PBG-1-1	PBG-1-1RE	PBG-1-3	PBG-2-1	PBG-2-2	PBG-3-1
	LAB ID	179986	152101	152101	152103	152107	152108	152112
COMPOUND	UNITS							
Volatile Organic Compounds								
Chloromethane	ug/Kg	14 U	13 U J	13 U J	12 U	11 U	13 U	12 U
Bromomethane	ug/Kg	14 U	13 U J	13 U J	12 U	11 U	13 U	12 U
Vinyl Chloride	ug/Kg	14 U	13 U J	13 U J	12 U	11 U	13 U	12 U
Chloroethane	ug/Kg	14 U	13 U J	13 U J	12 U	11 U	13 U	12 U
Methylene Chloride	ug/Kg	14 U	9 U J	8 U J	6 U	7 U	7 U	6 U
Acetone	ug/Kg	14 U	13 U J	13 U J	12 U	11 U	13 U	12 U
Carbon Disulfide	ug/Kg	14 U	6 U J	6 U J	6 U	6 U	6 U	6 U
1,1-Dichloroethene	ug/Kg	14 U	6 U J	6 U J	6 U	6 U	6 U	6 U
1,1-Dichloroethane	ug/Kg	14 U	6 U J	6 U J	6 U	6 U	6 U	6 U
1,2-Dichloroethene (total)	ug/Kg	14 U	6 U J	6 U J	6 U	6 U	6 U	6 U
Chloroform	ug/Kg	14 U	12 J	9 J	6 U	6	6 U	10
1,2-Dichloroethane	ug/Kg	14 U	6 U J	6 U J	6 U	6 U	6 U	6 U
2-Butanone	ug/Kg	14 U	13 U J	13 U J	12 U	11 U	13 U	12 U
1,1,1-Trichloroethane	ug/Kg	14 U	6 U J	6 U J	6 U	6 U	6 U	6 U
Carbon Tetrachloride	ug/Kg	14 U	6 U J	6 U J	6 U	6 U	6 U	6 U
Vinyl Acetate	ug/Kg		13 U J	13 U J	12 U	11 U	13 U	12 U
Bromodichloromethane	ug/Kg	14 U	6 U J	6 U J	6 U	6 U	6 U	6 U
1,2-Dichloropropane	ug/Kg	14 U	6 U J	6 U J	6 U	6 U	6 U	6 U
cis-1,3-Dichloropropene	ug/Kg	14 U	6 U J	6 U J	6 U	6 U	6 U	6 U
Trichloroethene	ug/Kg	14 U	6 U J	6 U J	6 U	6 U	6 U	6 U
Dibromochloromethane	ug/Kg	14 U	6 U J	6 U J	6 U	6 U	6 U	6 U
1,1,2-Trichloroethane	ug/Kg	14 U	6 U J	6 U J	6 U	6 U	6 U	6 U
Benzene	ug/Kg	14 U	6 U J	6 U J	6 U	6 U	6 U	6 U
trans-1,3-Dichloropropene	ug/Kg	14 U	6 U J	6 U J	6 U	6 U	6 U	6 U
Bromoform	ug/Kg	14 U	6 U J	6 U J	6 U	6 U	6 U	6 U
4-Methyl-2-Pentanone	ug/Kg	14 U	13 U J	13 U J	12 U	11 U	13 U	12 U
2-Hexanone	ug/Kg	14 U	13 U J	13 U J	12 U	11 U	13 U	12 U
Tetrachloroethene	ug/Kg	14 U	6 U J	6 U J	6 U	6 U	6 U	6 U
1,1,2,2-Tetrachloroethane	ug/Kg	14 U	6 U J	6 U J	6 U	6 U	6 U	6 U
Toluene	ug/Kg	14 U	6 U J	6 U J	6 U	6 U	6 U	6 U
Chlorobenzene	ug/Kg	14 U	6 U J	6 U J	6 U	6 U	6 U	6 U
Ethylbenzene	ug/Kg	14 U	6 U J	6 U J	6 U	6 U	6 U	6 U
Styrene	ug/Kg	14 U	6 U J	6 U J	6 U	6 U	6 U	6 U
Xylene (total)	ug/Kg	14 U	6 U J	6 U J	6 U	6 U	6 U	6 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	PAD G	PAD G	PAD G	PAD G	PAD G	PAD G
	DEPTH	0-2	0-6"	0-6"	2-4'	0-6"	0-2'	0-6"
	DATE	03/12/93	01/08/92	01/08/92	01/08/92	01/09/92	01/09/92	01/09/92
	ES ID	PBF-6-1	PBG-1-1	PBG-1-1RE	PBG-1-3	PBG-2-1	PBG-2-2	PBG-3-1
	LAB ID	179986	152101	152101	152103	152107	152108	152112
COMPOUND	UNITS							
Semivolatiles								
Phenol	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
bis(2-Chloroethyl) ether	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
2-Chlorophenol	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
1,3-Dichlorobenzene	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
1,4-Dichlorobenzene	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
Benzyl Alcohol	ug/Kg		790 U		780 U	800 U	750 U	810 U
1,2-Dichlorobenzene	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
2-Methylphenol	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
4-Methylphenol	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
N-Nitroso-di-n-propylamine	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
Hexachloroethane	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
Nitrobenzene	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
Isophorone	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
2-Nitrophenol	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
2,4-Dimethylphenol	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
Benzoic acid	ug/Kg		3800 U		3800 U	3900 U	3600 U	3900 U
bis(2-Chloroethoxy) methane	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
2,4-Dichlorophenol	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
1,2,4-Trichlorobenzene	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
Naphthalene	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
4-Chloroaniline	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
Hexachlorobutadiene	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
4-Chloro-3-methylphenol	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
2-Methylnaphthalene	ug/Kg	55 J	790 U		780 U	800 U	750 U	810 U
Hexachlorocyclopentadiene	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
2,4,6-Trichlorophenol	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
2,4,5-Trichlorophenol	ug/Kg	2800 U	3800 U		3800 U	3900 U	3600 U	3900 U
2-Chloronaphthalene	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
2-Nitroaniline	ug/Kg	2800 U	3800 U		3800 U	3900 U	3600 U	3900 U
Dimethylphthalate	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
Acenaphthylene	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
2,6-Dinitrotoluene	ug/Kg	570 J	790 U		780 U	800 U	750 U	810 U
3-Nitroaniline	ug/Kg	2800 U	3800 U		3800 U	3900 U	3600 U	3900 U
Acenaphthene	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
2,4-Dinitrophenol	ug/Kg	2800 U	3800 U		3800 U	3900 U	3600 U	3900 U
4-Nitrophenol	ug/Kg	2800 U	3800 U		3800 U	3900 U	3600 U	3900 U
Dibenzofuran	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
2,4-Dinitrotoluene	ug/Kg	8000	790 U		780 U	800 U	81 J	810 U
Diethylphthalate	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
4-Chlorophenyl-phenylether	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
Fluorene	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
4-Nitroaniline	ug/Kg	2800 U	3800 U		3800 U	3900 U	3600 U	3900 U
4,6-Dinitro-2-methylphenol	ug/Kg	2800 U	3800 U		3800 U	3900 U	3600 U	3900 U
N-Nitrosodiphenylamine	ug/Kg	1500	790 U		780 U	190 J	750 U	810 U
4-Bromophenyl-phenylether	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
Hexachlorobenzene	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
Pentachlorophenol	ug/Kg	2800 U	3800 U		3800 U	3900 U	3600 U	3900 U
Phenanthrene	ug/Kg	54 J	790 U		780 U	800 U	750 U	810 U
Anthracene	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
Carbazole	ug/Kg	1200 U						
Di-n-butylphthalate	ug/Kg	1200	790 U		780 U	800 U	750 U	810 U
Fluoranthene	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
Pyrene	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
Butylbenzylphthalate	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
3,3'-Dichlorobenzidine	ug/Kg	1200 U	1600 U		1600 U	1600 U	1500 U	1600 U
Benzo(a)anthracene	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
Chrysene	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
bis(2-Ethylhexyl)phthalate	ug/Kg	1200 U	790 U		200 J	800 U	420 J	810 U
Di-n-octylphthalate	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
Benzo(b)fluoranthene	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
Benzo(k)fluoranthene	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
Benzo(a)pyrene	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
Indeno(1,2,3-cd)pyrene	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
Dibenz(a,h)anthracene	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U
Benzo(g,h,i)perylene	ug/Kg	1200 U	790 U		780 U	800 U	750 U	810 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	PAD G	PAD G	PAD G	PAD G	PAD G	PAD G
	DEPTH	0-2	0-6"	0-6"	2-4'	0-6"	0-2'	0-6"
	DATE	03/12/93	01/08/92	01/08/92	01/08/92	01/09/92	01/09/92	01/09/92
	ES ID	PBF-6-1	PBG-1-1	PBG-1-1RE	PBG-1-3	PBG-2-1	PBG-2-2	PBG-3-1
	LAB ID	179986	152101	152101	152103	152107	152108	152112
COMPOUND	UNITS							
Pesticides/PCBs								
alpha-BHC	ug/kg	2.1 U	19 U		19 U	19 U	18 U	20 U
beta-BHC	ug/kg	2.1 U	19 U		19 U	19 U	18 U	20 U
delta-BHC	ug/kg	2.1 U	19 U		19 U	19 U	18 U	20 U
gamma-BHC (Lindane)	ug/kg	2.1 U	19 U		19 U	19 U	18 U	20 U
Heptachlor	ug/kg	2.1 U	19 U		19 U	19 U	18 U	20 U
Aldrin	ug/kg	2.1 U	19 U		19 U	19 U	18 U	20 U
Heptachlor epoxide	ug/kg	2.1 U	19 U		19 U	19 U	18 U	20 U
Endosulfan I	ug/kg	2.1 U	19 U		19 U	19 U	18 U	20 U
Dieldrin	ug/kg	4.1 U	38 U		38 U	39 U	36 U	39 U
4,4'-DDE	ug/kg	4.1 U	38 U		38 U	39 U	36 U	39 U
Endrin	ug/kg	4.1 U	38 U		38 U	39 U	36 U	39 U
Endosulfan II	ug/kg	4.1 U	38 U		38 U	39 U	36 U	39 U
4,4'-DDD	ug/kg	2.2 J	38 U		38 U	39 U	36 U	39 U
Endosulfan sulfate	ug/kg	4.1 U	38 U		38 U	39 U	36 U	39 U
4,4'-DDT	ug/kg	4.1 U	33 J		38 U	39 U	36 U	39 U
Methoxychlor	ug/kg	21 U	190 U		190 U	190 U	180 U	200 U
Endrin ketone	ug/kg	4.1 U	38 U		38 U	39 U	36 U	39 U
Endrin aldehyde	ug/kg	4.1 U						
alpha-Chlordane	ug/kg	2.1 U	190 U		190 U	190 U	180 U	200 U
gamma-Chlordane	ug/kg	2.1 U	190 U		190 U	190 U	180 U	200 U
Toxaphene	ug/kg	210 U	360 U		360 U	390 U	360 U	390 U
Aroclor-1016	ug/kg	41 U	190 U		190 U	190 U	180 U	200 U
Aroclor-1221	ug/kg	83 U	190 U		190 U	190 U	180 U	200 U
Aroclor-1232	ug/kg	41 U	190 U		190 U	190 U	180 U	200 U
Aroclor-1242	ug/kg	41 U	190 U		190 U	190 U	180 U	200 U
Aroclor-1248	ug/kg	41 U	190 U		190 U	190 U	180 U	200 U
Aroclor-1254	ug/kg	41 U	360 U		360 U	390 U	360 U	390 U
Aroclor-1260	ug/kg	41 U	360 U		360 U	390 U	360 U	390 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	PAD G	PAD G	PAD G	PAD G	PAD G	PAD G
	DEPTH	0-2	0-6"	0-6"	2-4'	0-6"	0-2'	0-6"
	DATE	03/12/93	01/08/92	01/08/92	01/08/92	01/09/92	01/09/92	01/09/92
	ES ID	PBF-6-1	PBG-1-1	PBG-1-1RE	PBG-1-3	PBG-2-1	PBG-2-2	PBG-3-1
	LAB ID	179986	152101	152101	152103	152107	152108	152112
	UNITS							
Explosives								
HMX	ug/Kg	250 U	980 J		1000 U	1300	1000 U	1000 U
RDX	ug/Kg	270	2900		120 U	4800	170 J	120 U
1,3,5-Trinitrobenzene	ug/Kg	250 U	250		210	260	120 U	120 U
1,3-Dinitrobenzene	ug/Kg	250 U	120 U		120 U	120 U	120 U	120 U
Tetryl	ug/Kg	230 J	400 U		400 U	400 U	400 U	400 U
2,4,6-Trinitrotoluene	ug/Kg	520 J	390		290	120 U	120 U	120 U
4-amino-2,6-Dinitrotoluene	ug/Kg	1000	600		270	250	120 U	120 U
2-amino-4,6-Dinitrotoluene	ug/Kg	1000	480		530	150	120 U	120 U
2,6-Dinitrotoluene	ug/Kg	250 U	120 U		120 U	120 U	120 U	120 U
2,4-Dinitrotoluene	ug/Kg	5100	160		110 J	240	300	76 J
Metals								
Aluminum	mg/kg	17100	22500		18500	9370	14200	18900
Antimony	mg/kg	18.4 J	6 U J		13.6 J	6 U J	5.6 U J	5.8 U J
Arsenic	mg/kg	6.4	4 J		9 J	4.7 J	3.7 J	6 J
Barium	mg/kg	2260	709		1390	422	481	554
Beryllium	mg/kg	0.69 J	0.84 R		0.99 R	0.56 R	0.82 R	0.91 R
Cadmium	mg/kg	1.9	11.3		4.3	9.6	9.2	6.7
Calcium	mg/kg	24500	92100		6310	138000	34400	23000
Chromium	mg/kg	31.5	37.3 J		30.5 J	24.4 J	26.5 J	41.4 J
Cobalt	mg/kg	14.1	10.7		13.7	7.4	12.5	13.4
Copper	mg/kg	743	466		1650	108	75.4	688
Iron	mg/kg	35000	35800		37400	25700	28500	32700
Lead	mg/kg	13100	509		3360	203	7.7	212
Magnesium	mg/kg	7240	7720		6730	10700	9650	6720
Manganese	mg/kg	573	505		618	359	610	799
Mercury	mg/kg	0.26	0.15 R		0.15 R	0.1 R	0.2 R	0.13 R
Nickel	mg/kg	42.7 J	48.2 J		43.2 J	34.8 J	35.5 J	39.9 J
Potassium	mg/kg	1920	1650 J		1500 J	1410 J	1730 J	2450 J
Selenium	mg/kg	1.8 UJ	1.2		0.27 J	0.28 J	0.35 J	0.3 J
Silver	mg/kg	0.74 J	1.2		2.9	0.99 J	0.59 J	0.37 J
Sodium	mg/kg	167 J	385 J		130 J	324 J	344 J	151 J
Thallium	mg/kg	0.42 U	0.51 U		0.46 U	0.39 U	0.49 U	0.62 U
Vanadium	mg/kg	24.7	20.2		25.8	16.9 R	21.6	27.8
Zinc	mg/kg	617	1600		615	740	297	585
Cyanide	mg/kg	0.77 U	0.55 U		0.64 U	0.7 U	0.62 U	0.6 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

COMPOUND	MATRIX / LOCATION / DEPTH / DATE / ES ID / LAB ID	UNITS	SOIL PAD G 0-2' 01/09/92 PBG-3-2 152113	SOIL PAD G 0-6" 01/09/92 PBG-4-1 152203	SOIL PAD G 0-2' 01/09/92 PBG-4-2 152204	SOIL PAD G 0-6" 01/10/92 PBG-5-1 152206	SOIL PAD G 0-2' 01/10/92 PBG-5-2 152207	SOIL PAD G 2-4' 01/10/92 PBG-5-3 152208	SOIL PAD G 0-6" 01/13/92 PBG-6-1 152363
Volatile Organic Compounds									
Chloromethane		ug/Kg	12 U	13 U	12 U	12 U		12 U	12 U
Bromomethane		ug/Kg	12 U	13 U	12 U	12 U		12 U	12 U
Vinyl Chloride		ug/Kg	12 U	13 U	12 U	12 U		12 U	12 U
Chloroethane		ug/Kg	12 U	13 U	12 U	12 U		12 U	12 U
Methylene Chloride		ug/Kg	6 U	6 U	6 U	6 U		6 U	6 U
Acetone		ug/Kg	12 U	13 U	12 U	12 U		12 U	12 U
Carbon Disulfide		ug/Kg	6 U	6 U	6 U	6 U		6 U	6 U
1,1-Dichloroethene		ug/Kg	6 U	6 U	6 U	6 U		6 U	6 U
1,1-Dichloroethane		ug/Kg	6 U	6 U	6 U	6 U		6 U	6 U
1,2-Dichloroethene (total)		ug/Kg	6 U	6 U	6 U	6 U		6 U	6 U
Chloroform		ug/Kg	6 U	6 U	6 U	6 U		6 U	6 U
1,2-Dichloroethane		ug/Kg	6 U	6 U	6 U	6 U		6 U	6 U
2-Butanone		ug/Kg	12 U	13 U	12 U	12 U		12 U	12 U
1,1,1-Trichloroethane		ug/Kg	6 U	6 U	6 U	6 U		6 U	6 U
Carbon Tetrachloride		ug/Kg	6 U	6 U	6 U	6 U		6 U	6 U
Vinyl Acetate		ug/Kg	12 U	13 U	12 U	12 U		12 U	12 U
Bromodichloromethane		ug/Kg	6 U	6 U	6 U	6 U		6 U	6 U
1,2-Dichloropropane		ug/Kg	6 U	6 U	6 U	6 U		6 U	6 U
cis-1,3-Dichloropropene		ug/Kg	6 U	6 U	6 U	6 U		6 U	6 U
Trichloroethene		ug/Kg	6 U	6 U	6 U	6 U		6 U	6 U
Dibromochloromethane		ug/Kg	6 U	6 U	6 U	6 U		6 U	6 U
1,1,2-Trichloroethane		ug/Kg	6 U	6 U	6 U	6 U		6 U	6 U
Benzene		ug/Kg	6 U	6 U	6 U	6 U		6 U	6 U
trans-1,3-Dichloropropene		ug/Kg	6 U	6 U	6 U	6 U		6 U	6 U
Bromoform		ug/Kg	6 U	6 U	6 U	6 U		6 U	6 U
4-Methyl-2-Pentanone		ug/Kg	12 U	13 U	12 U	12 U		12 U	12 U
2-Hexanone		ug/Kg	12 U	13 U	12 U	12 U		12 U	12 U
Tetrachloroethene		ug/Kg	6 U	6 U	6 U	6 U		6 U	6 U
1,1,2,2-Tetrachloroethane		ug/Kg	6 U	6 U	6 U	6 U		6 U	6 U
Toluene		ug/Kg	6 U	6 U	6 U	6 U		6 U	6 U
Chlorobenzene		ug/Kg	6 U	6 U	6 U	6 U		6 U	6 U
Ethylbenzene		ug/Kg	6 U	6 U	6 U	6 U		6 U	6 U
Styrene		ug/Kg	6 U	6 U	6 U	6 U		6 U	6 U
Xylene (total)		ug/Kg	6 U	6 U	6 U	6 U		6 U	6 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD G	PAD G	PAD G	PAD G	PAD G	PAD G	PAD G
	DEPTH	0-2'	0-6"	0-2'	0-6"	0-2'	2-4'	0-6"
	DATE	01/09/92	01/09/92	01/09/92	01/10/92	01/10/92	01/10/92	01/13/92
	ES ID	PBG-3-2	PBG-4-1	PBG-4-2	PBG-5-1	PBG-5-2	PBG-5-3	PBG-6-1
	LAB ID	152113	152203	152204	152206	152207	152208	152363
	UNITS							
Semivolatiles								
Phenol	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
bis(2-Chloroethyl) ether	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
2-Chlorophenol	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
1,3-Dichlorobenzene	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
1,4-Dichlorobenzene	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
Benzyl Alcohol	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
1,2-Dichlorobenzene	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
2-Methylphenol	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
4-Methylphenol	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
N-Nitroso-di-n-propylamine	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
Hexachloroethane	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
Nitrobenzene	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
Isophorone	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
2-Nitrophenol	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
2,4-Dimethylphenol	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
Benzoic acid	ug/Kg	3700 U	4100 U	3800 U	3800 U	3800 U		98 J
bis(2-Chloroethoxy) methane	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
2,4-Dichlorophenol	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
1,2,4-Trichlorobenzene	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
Naphthalene	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
4-Chloroaniline	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
Hexachlorobutadiene	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
4-Chloro-3-methylphenol	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
2-Methylnaphthalene	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
Hexachlorocyclopentadiene	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
2,4,6-Trichlorophenol	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
2,4,5-Trichlorophenol	ug/Kg	3700 U	4100 U	3800 U	3800 U	3800 U		3800 U
2-Chloronaphthalene	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
2-Nitroaniline	ug/Kg	3700 U	4100 U	3800 U	3800 U	3800 U		3800 U
Dimethylphthalate	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
Acenaphthylene	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
2,6-Dinitrotoluene	ug/Kg	770 U	840 U	790 U	780 U	86 J		780 U
3-Nitroaniline	ug/Kg	3700 U	4100 U	3800 U	3800 U	3800 U		3800 U
Acenaphthene	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
2,4-Dinitrophenol	ug/Kg	3700 U	4100 U	3800 U	3800 U	3800 U		3800 U
4-Nitrophenol	ug/Kg	3700 U	4100 U	3800 U	3800 U	3800 U		3800 U
Dibenzofuran	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
2,4-Dinitrotoluene	ug/Kg	770 U	840 U	790 U	510 J	1300		290 J
Diethylphthalate	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
4-Chlorophenyl-phenylether	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
Fluorene	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
4-Nitroaniline	ug/Kg	3700 U	4100 U	3800 U	3800 U	3800 U		3800 U
4,6-Dinitro-2-methylphenol	ug/Kg	3700 U	4100 U	3800 U	3800 U	3800 U		3800 U
N-Nitrosodiphenylamine	ug/Kg	770 U	840 U	790 U	780 U	280 J		780 U
4-Bromophenyl-phenylether	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
Hexachlorobenzene	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
Pentachlorophenol	ug/Kg	3700 U	4100 U	3800 U	3800 U	3800 U		3800 U
Phenanthrene	ug/Kg	770 U	840 U	790 U	780 U	790 U		96 J
Anthracene	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
Carbazole	ug/Kg							
Di-n-butylphthalate	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
Fluoranthene	ug/Kg	770 U	840 U	790 U	780 U	790 U		120 J
Pyrene	ug/Kg	770 U	840 U	790 U	780 U	790 U		110 J
Butylbenzylphthalate	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
3,3'-Dichlorobenzidine	ug/Kg	1500 U	1700 U	1600 U	1600 U	1600 U		1600 U
Benzo(a)anthracene	ug/Kg	770 U	840 U	790 U	780 U	790 U		75 J
Chrysene	ug/Kg	770 U	840 U	790 U	780 U	790 U		100 J
bis(2-Ethylhexyl)phthalate	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
Di-n-octylphthalate	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
Benzo(b)fluoranthene	ug/Kg	770 U	840 U	790 U	780 U	790 U		120 J
Benzo(k) fluoranthene	ug/Kg	770 U	840 U	790 U	780 U	790 U		75 J
Benzo(a)pyrene	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
Indeno(1,2,3-cd)pyrene	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
Dibenz(a,h)anthracene	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U
Benzo(g,h,i)perylene	ug/Kg	770 U	840 U	790 U	780 U	790 U		780 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD G	PAD G	PAD G	PAD G	PAD G	PAD G	PAD G
	DEPTH	0-2'	0-6"	0-2'	0-6"	0-2'	2-4'	0-6"
	DATE	01/09/92	01/09/92	01/09/92	01/10/92	01/10/92	01/10/92	01/13/92
	ES ID	PBG-3-2	PBG-4-1	PBG-4-2	PBG-5-1	PBG-5-2	PBG-5-3	PBG-6-1
	LAB ID	152113	152203	152204	152206	152207	152208	152363
COMPOUND	UNITS							
Pesticides/PCBs								
alpha-BHC	ug/kg	19 U	20 U	19 U	19 U	19 U		19 U
beta-BHC	ug/kg	19 U	20 U	19 U	19 U	19 U		19 U
delta-BHC	ug/kg	19 U	20 U	19 U	19 U	19 U		19 U
gamma-BHC (Lindane)	ug/kg	19 U	20 U	19 U	19 U	19 U		19 U
Heptachlor	ug/kg	19 U	20 U	19 U	19 U	19 U		19 U
Aldrin	ug/kg	19 U	20 U	19 U	19 U	19 U		19 U
Heptachlor epoxide	ug/kg	19 U	20 U	19 U	19 U	19 U		19 U
Endosulfan I	ug/kg	19 U	20 U	19 U	19 U	19 U		19 U
Dieldrin	ug/kg	37 U	41 U	38 U	38 U	38 U		38 U
4,4'-DDE	ug/kg	37 U	41 U	38 U	38 U	38 U		38 U
Endrin	ug/kg	37 U	41 U	38 U	38 U	38 U		38 U
Endosulfan II	ug/kg	37 U	41 U	38 U	38 U	38 U		38 U
4,4'-DDD	ug/kg	37 U	41 U	38 U	38 U	38 U		38 U
Endosulfan sulfate	ug/kg	37 U	41 U	38 U	38 U	38 U		38 U
4,4'-DDT	ug/kg	37 U	41 U	38 U	38 U	38 U		38 U
Methoxychlor	ug/kg	190 U	200 U	190 U	190 U	190 U		190 U
Endrin ketone	ug/kg	37 U	41 U	38 U	38 U	38 U		38 U
Endrin aldehyde	ug/kg							
alpha-Chlordane	ug/kg	190 U	200 U	190 U	190 U	190 U		190 U
gamma-Chlordane	ug/kg	190 U	200 U	190 U	190 U	190 U		190 U
Toxaphene	ug/kg	370 U	410 U	380 U	380 U	380 U		380 U
Aroclor-1016	ug/kg	190 U	200 U	190 U	190 U	190 U		190 U
Aroclor-1221	ug/kg	190 U	200 U	190 U	190 U	190 U		190 U
Aroclor-1232	ug/kg	190 U	200 U	190 U	190 U	190 U		190 U
Aroclor-1242	ug/kg	190 U	200 U	190 U	190 U	190 U		190 U
Aroclor-1248	ug/kg	190 U	200 U	190 U	190 U	190 U		190 U
Aroclor-1254	ug/kg	370 U	410 U	380 U	380 U	380 U		380 U
Aroclor-1260	ug/kg	370 U	410 U	380 U	380 U	380 U		380 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD G	PAD G	PAD G	PAD G	PAD G	PAD G	PAD G
	DEPTH	0-2'	0-6"	0-2'	0-6"	0-2'	2-4'	0-6"
	DATE	01/09/92	01/09/92	01/09/92	01/10/92	01/10/92	01/10/92	01/13/92
	ES ID	PBG-3-2	PBG-4-1	PBG-4-2	PBG-5-1	PBG-5-2	PBG-5-3	PBG-6-1
	LAB ID	152113	152203	152204	152206	152207	152208	152363
	UNITS							
Explosives								
HMX	ug/Kg	1000 U	1000 U J	1000 U	1000 U J	1000 U		1000 U
RDX	ug/Kg	120 U	120 U J	120 U	120 U J	120 U		120 U
1,3,5-Trinitrobenzene	ug/Kg	120 U	120 U J	120 U	120 U J	120 U		250
1,3-Dinitrobenzene	ug/Kg	120 U	120 U J	120 U	120 U J	120 U		120 U
Tetryl	ug/Kg	400 U	400 U J	400 U	400 U J	400 U		400 U
2,4,6-Trinitrotoluene	ug/Kg	120 U	120 U J	120 U	120 U J	120 U		120 U
4-amino-2,6-Dinitrotoluene	ug/Kg	120 U	120 U J	120 U	120 U J	120 U		590
2-amino-4,6-Dinitrotoluene	ug/Kg	120 U	120 U J	120 U	120 U J	120 U		360
2,6-Dinitrotoluene	ug/Kg	120 U	120 U J	120 U	120 U J	120 U		120 U
2,4-Dinitrotoluene	ug/Kg	120 U	120 U J	120 U	120 U J	120 U		1200
Metals								
Aluminum	mg/kg	18200	18000	21200	18100	19200		13300
Antimony	mg/kg	7.4 J	6.7 U J	6.2 U J	6 U J	5.9 U J		5.8 U J
Arsenic	mg/kg	5.7 J	5.2 J	5.1 J	4.8 J	4.4 J		5.3
Barium	mg/kg	233	157	134	167	161		511 R
Beryllium	mg/kg	0.94 R	0.88 R	0.86 R	0.86 R	0.91 R		0.75 R
Cadmium	mg/kg	4.2	20.7	3.4	5.9	3.1		7.8 J
Calcium	mg/kg	6040	26200	3410	4080	5170		21200
Chromium	mg/kg	29.4 J	25.6 J	26.5 J	21 J	23.9 J		45.7 J
Cobalt	mg/kg	15.3	12.3	12.1	11	12.2		11.4
Copper	mg/kg	46.3	80.8	27	28	37.8		439
Iron	mg/kg	30300	26500	31400	21200	22400		23400
Lead	mg/kg	65.7	639	43.3 R	88.5	50.2 R		291
Magnesium	mg/kg	5640	5050	4660	3680	3970		5630
Manganese	mg/kg	948	693	736	750	826		477
Mercury	mg/kg	0.13 R	0.17 R	0.19 R	0.28 R	0.29 R		0.08 R
Nickel	mg/kg	53.5 J	30.7 J	29.1 J	19.8 J	22.4 J		36
Potassium	mg/kg	1630 J	1810 J	2160 J	1680 J	1890 J		1990 J
Selenium	mg/kg	0.14 U	0.19 U	0.22 U	0.38 J	0.97 U		2.1 J
Silver	mg/kg	0.36 U	0.56 J	0.39 U	0.39 U	0.38 U		0.37 U
Sodium	mg/kg	92.6 J	129 J	128 J	83.1 J	115 J		441 J
Thallium	mg/kg	0.34 U	0.48 J	0.52 U	0.51 U	0.46 U		0.51 J
Vanadium	mg/kg	27.2	25.4	30.3	25.9	27.1		18.7 J
Zinc	mg/kg	172	216	93.1	127	129		1560
Cyanide	mg/kg	0.66 U	0.62 U	0.68 U	0.64 U	0.67 U		0.58 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD G	PAD G	PAD G	PAD G	PAD G	OB	OB
	DEPTH	4' +	4' +	0-6"	0-6"	0-2'	0-2	2-4
	DATE	01/13/92	01/13/13	01/13/92	01/13/92	01/13/92	01/14/93	01/14/93
	ES ID	PBG-6-4	PBG-6-4RE	PBG-7-1	PBG-7-1RE	PBG-7-2	PBG-8-1	PBG-8-2
	LAB ID	152366	152366	152368	152368	152369	177323	177324
COMPOUND	UNITS							
Volatile Organic Compounds								
Chloromethane	ug/Kg	11 U J	11 U	11 U J	11 U J	12 U	12 U	
Bromomethane	ug/Kg	11 U J	11 U	11 U J	11 U J	12 U	12 U	
Vinyl Chloride	ug/Kg	11 U J	11 U	11 U J	11 U J	12 U	12 U	
Chloroethane	ug/Kg	11 U J	11 U	11 U J	11 U J	12 U	12 U	
Methylene Chloride	ug/Kg	6 U J	12 U	6 U J	11 U J	6 U	12 U	
Acetone	ug/Kg	11 U J	11 U	11 U J	11 U J	12 U	12 U	
Carbon Disulfide	ug/Kg	6 U J	6 U	6 U J	6 U J	6 U	12 U	
1,1-Dichloroethene	ug/Kg	6 U J	6 U	6 U J	6 U J	6 U	12 U	
1,1-Dichloroethane	ug/Kg	6 U J	6 U	6 U J	6 U J	6 U	12 U	
1,2-Dichloroethene (total)	ug/Kg	6 U J	6 U	6 U J	6 U J	6 U	12 U	
Chloroform	ug/Kg	6 U J	6 U	6 U J	1 J	6 U	12 U	
1,2-Dichloroethane	ug/Kg	6 U J	6 U	6 U J	6 U J	6 U	12 U	
2-Butanone	ug/Kg	11 U J	11 U	11 U J	11 U J	12 U	12 U	
1,1,1-Trichloroethane	ug/Kg	6 U J	6 U	6 U J	6 U J	2 J	12 U	
Carbon Tetrachloride	ug/Kg	6 U J	6 U	6 U J	6 U J	6 U	12 U	
Vinyl Acetate	ug/Kg	11 U J	11 U	11 U J	11 U J	12 U		
Bromodichloromethane	ug/Kg	6 U J	6 U	6 U J	6 U J	6 U	12 U	
1,2-Dichloropropane	ug/Kg	6 U J	6 U	6 U J	6 U J	6 U	12 U	
cis-1,3-Dichloropropene	ug/Kg	6 U J	6 U	6 U J	6 U J	6 U	12 U	
Trichloroethene	ug/Kg	6 U J	6 U	6 U J	6 U J	6 U	12 U	
Dibromochloromethane	ug/Kg	6 U J	6 U	6 U J	6 U J	6 U	12 U	
1,1,2-Trichloroethane	ug/Kg	6 U J	6 U	6 U J	6 U J	6 U	12 U	
Benzene	ug/Kg	6 U J	6 U	6 U J	6 U J	6 U	12 U	
trans-1,3-Dichloropropene	ug/Kg	6 U J	6 U	6 U J	6 U J	6 U	12 U	
Bromoform	ug/Kg	6 U J	6 U	6 U J	6 U J	6 U	12 U	
4-Methyl-2-Pentanone	ug/Kg	11 U J	11 U	11 U J	11 U J	12 U	12 U	
2-Hexanone	ug/Kg	11 U J	11 U	11 U J	11 U J	12 U	12 U	
Tetrachloroethene	ug/Kg	6 U J	6 U	6 U J	6 U J	6 U	12 U	
1,1,2,2-Tetrachloroethane	ug/Kg	6 U J	6 U	6 U J	6 U J	6 U	12 U	
Toluene	ug/Kg	6 U J	6 U	6 U J	6 U J	6 U	12 U	
Chlorobenzene	ug/Kg	6 U J	6 U	6 U J	6 U J	6 U	12 U	
Ethylbenzene	ug/Kg	6 U J	6 U	6 U J	6 U J	6 U	12 U	
Styrene	ug/Kg	6 U J	6 U	6 U J	6 U J	6 U	12 U	
Xylene (total)	ug/Kg	6 U J	6 U	6 U J	6 U J	6 U	12 U	

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD G	PAD G	PAD G	PAD G	PAD G	OB	OB
	DEPTH	4' +	4' +	0-6"	0-6"	0-2'	0-2	2-4
	DATE	01/13/92	01/13/13	01/13/92	01/13/92	01/13/92	01/14/93	01/14/93
	ES ID	PBG-6-4	PBG-6-4RE	PBG-7-1	PBG-7-1RE	PBG-7-2	PBG-8-1	PBG-8-2
	LAB ID	152366	152366	152366	152366	152369	177323	177324
COMPOUND	UNITS							
Semivolatiles								
Phenol	ug/Kg	760 U		740 U		720 U	400 U	390 U
bis(2-Chloroethyl) ether	ug/Kg	760 U		740 U		720 U	400 U	390 U
2-Chlorophenol	ug/Kg	760 U		740 U		720 U	400 U	390 U
1,3-Dichlorobenzene	ug/Kg	760 U		740 U		720 U	400 U	390 U
1,4-Dichlorobenzene	ug/Kg	760 U		740 U		720 U	400 U	390 U
Benzyl Alcohol	ug/Kg	760 U		740 U		720 U		
1,2-Dichlorobenzene	ug/Kg	760 U		740 U		720 U	400 U	390 U
2-Methylphenol	ug/Kg	760 U		740 U		720 U	400 U	390 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	760 U		740 U		720 U	400 U	390 U
4-Methylphenol	ug/Kg	760 U		740 U		720 U	400 U	390 U
N-Nitroso-di-n-propylamine	ug/Kg	760 U		740 U		720 U	400 U	390 U
Hexachloroethane	ug/Kg	760 U		740 U		720 U	400 U	390 U
Nitrobenzene	ug/Kg	760 U		740 U		720 U	400 U	390 U
Isophorone	ug/Kg	760 U		740 U		720 U	400 U	390 U
2-Nitrophenol	ug/Kg	760 U		740 U		720 U	400 U	390 U
2,4-Dimethylphenol	ug/Kg	760 U		740 U		720 U	400 U	390 U
Benzoic acid	ug/Kg	3700 U		3600 U		3500 U		
bis(2-Chloroethoxy) methane	ug/Kg	760 U		740 U		720 U	400 U	390 U
2,4-Dichlorophenol	ug/Kg	760 U		740 U		720 U	400 U	390 U
1,2,4-Trichlorobenzene	ug/Kg	760 U		740 U		720 U	400 U	390 U
Naphthalene	ug/Kg	760 U		740 U		720 U	400 U	390 U
4-Chloroaniline	ug/Kg	760 U		740 U		720 U	400 U	390 U
Hexachlorobutadiene	ug/Kg	760 U		740 U		720 U	400 U	390 U
4-Chloro-3-methylphenol	ug/Kg	760 U		740 U		720 U	400 U	390 U
2-Methylnaphthalene	ug/Kg	760 U		740 U		720 U	400 U	390 U
Hexachlorocyclopentadiene	ug/Kg	760 U		740 U		720 U	400 U	390 U
2,4,6-Trichlorophenol	ug/Kg	760 U		740 U		720 U	400 U	390 U
2,4,5-Trichlorophenol	ug/Kg	3700 U		3600 U		3500 U	970 U	960 U
2-Chloronaphthalene	ug/Kg	760 U		740 U		720 U	400 U	390 U
2-Nitroaniline	ug/Kg	3700 U		3600 U		3500 U	970 U	960 U
Dimethylphthalate	ug/Kg	760 U		740 U		720 U	400 U	390 U
Acenaphthylene	ug/Kg	760 U		740 U		720 U	400 U	390 U
2,6-Dinitrotoluene	ug/Kg	760 U		740 U		150 J	400 U	390 U
3-Nitroaniline	ug/Kg	3700 U		3600 U		3500 U	970 U	960 U
Acenaphthene	ug/Kg	760 U		740 U		720 U	400 U	390 U
2,4-Dinitrophenol	ug/Kg	3700 U		3600 U		3500 U	970 U	960 U
4-Nitrophenol	ug/Kg	3700 U		3600 U		3500 U	970 U	960 U
Dibenzofuran	ug/Kg	760 U		740 U		720 U	400 U	390 U
2,4-Dinitrotoluene	ug/Kg	78 J		740 U		3600	170 J	390 U
Diethylphthalate	ug/Kg	760 U		740 U		720 U	400 U	390 U
4-Chlorophenyl-phenylether	ug/Kg	760 U		740 U		720 U	400 U	390 U
Fluorene	ug/Kg	760 U		740 U		720 U	400 U	390 U
4-Nitroaniline	ug/Kg	3700 U		3600 U		3500 U	970 U	960 U
4,6-Dinitro-2-methylphenol	ug/Kg	3700 U		3600 U		3500 U	970 U	960 U
N-Nitrosodiphenylamine	ug/Kg	760 U		740 U		480 J	58 J	390 U
4-Bromophenyl-phenylether	ug/Kg	760 U		740 U		720 U	400 U	390 U
Hexachlorobenzene	ug/Kg	760 U		740 U		720 U	400 U	390 U
Pentachlorophenol	ug/Kg	3700 U		3600 U		3500 U	970 U	960 U
Phenanthrene	ug/Kg	760 U		230 J		720 U	400 U	390 U
Anthracene	ug/Kg	760 U		740 U		720 U	400 U	390 U
Carbazole	ug/Kg						400 U	390 U
Di-n-butylphthalate	ug/Kg	760 U		320 J		720 U	21 J	28 J
Fluoranthene	ug/Kg	760 U		420 J		720 U	400 U	390 U
Pyrene	ug/Kg	760 U		400 J		720 U	400 U	390 U
Butylbenzylphthalate	ug/Kg	760 U		740 U		720 U	400 U	390 U
3,3'-Dichlorobenzidine	ug/Kg	1500 U		1500 U		1400 U	400 U	390 U
Benzo(a)anthracene	ug/Kg	760 U		270 J		720 U	400 U	390 U
Chrysene	ug/Kg	760 U		330 J		720 U	400 U	390 U
bis(2-Ethylhexyl)phthalate	ug/Kg	760 U		740 U		720 U	210 J	210 J
Di-n-octylphthalate	ug/Kg	760 U		740 U		720 U	400 U	390 U
Benzo(b)fluoranthene	ug/Kg	760 U		400 J		720 U	400 U	390 U
Benzo(k)fluoranthene	ug/Kg	760 U		210 J		720 U	400 U	390 U
Benzo(a)pyrene	ug/Kg	760 U		230 J		720 U	400 U	390 U
Indeno(1,2,3-cd)pyrene	ug/Kg	760 U		180 J		720 U	400 U	390 U
Dibenz(a,h)anthracene	ug/Kg	760 U		740 U		720 U	400 U	390 U
Benzo(g,h,i)perylene	ug/Kg	760 U		210 J		720 U	400 U	390 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

COMPOUND	MATRIX / LOCATION / DEPTH / DATE / ES ID / LAB ID	UNITS	SOIL PAD G 4' + 01/13/92 PBG-6-4 152366	SOIL PAD G 4' + 01/13/13 PBG-6-4RE 152366	SOIL PAD G 0-6" 01/13/92 PBG-7-1 152368	SOIL PAD G 0-6" 01/13/92 PBG-7-1RE 152368	SOIL PAD G 0-2' 01/13/92 PBG-7-2 152369	SOIL OB 0-2 01/14/93 PBG-8-1 177323	SOIL OB 2-4 01/14/93 PBG-8-2 177324
Pesticides/PCBs									
alpha-BHC		ug/kg	19 U		18 U		17 U	2.1 U	2 U
beta-BHC		ug/kg	19 U		18 U		17 U	2.1 U	2 U
delta-BHC		ug/kg	19 U		18 U		17 U	2.1 U	2 U
gamma-BHC (Lindane)		ug/kg	19 U		18 U		17 U	2.1 U	2 U
Heptachlor		ug/kg	19 U		18 U		17 U	2.1 U	2 U
Aldrin		ug/kg	19 U		18 U		17 U	2.1 U	2 U
Heptachlor epoxide		ug/kg	19 U		18 U		17 U	2.1 U	2 U
Endosulfan I		ug/kg	19 U		18 U		17 U	2.1 U	2 U
Dieldrin		ug/kg	37 U		36 U		35 U	4.1 U	3.9 U
4,4'-DDE		ug/kg	37 U		36 U		35 U	4.1 U	3.9 U
Endrin		ug/kg	37 U		36 U		35 U	4.1 U	3.9 U
Endosulfan II		ug/kg	37 U		36 U		35 U	4.1 U	3.9 U
4,4'-DDD		ug/kg	37 U		36 U		35 U	4.1 U	3.9 U
Endosulfan sulfate		ug/kg	37 U		36 U		35 U	4.1 U	3.9 U
4,4'-DDT		ug/kg	37 U		36 U		35 U	4.1 U	3.9 U
Methoxychlor		ug/kg	190 U		180 U		170 U	21 U	20 U
Endrin ketone		ug/kg	37 U		36 U		35 U	4.1 U	3.9 U
Endrin aldehyde		ug/kg						4.1 U	3.9 U
alpha-Chlordane		ug/kg	190 U		180 U		170 U	2.1 U	2 U
gamma-Chlordane		ug/kg	190 U		180 U		170 U	2.1 U	2 U
Toxaphene		ug/kg	370 U		360 U		350 U	210 U	200 U
Aroclor-1016		ug/kg	190 U		180 U		170 U	41 U	39 U
Aroclor-1221		ug/kg	190 U		180 U		170 U	83 U	80 U
Aroclor-1232		ug/kg	190 U		180 U		170 U	41 U	39 U
Aroclor-1242		ug/kg	190 U		180 U		170 U	41 U	39 U
Aroclor-1248		ug/kg	190 U		180 U		170 U	41 U	39 U
Aroclor-1254		ug/kg	370 U		360 U		350 U	41 U	39 U
Aroclor-1260		ug/kg	370 U		360 U		350 U	41 U	39 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD G	PAD G	PAD G	PAD G	PAD G	OB	OB
	DEPTH	4' +	4' +	0-6"	0-6"	0-2'	0-2	2-4
	DATE	01/13/92	01/13/13	01/13/92	01/13/92	01/13/92	01/14/93	01/14/93
	ES ID	PBG-6-4	PBG-6-4RE	PBG-7-1	PBG-7-1RE	PBG-7-2	PBG-6-1	PBG-6-2
	LAB ID	152366	152366	152368	152368	152369	177323	177324
COMPOUND	UNITS							
Explosives								
HMX	ug/Kg	1000 U		1000 U		1000 U	120 U	120 U
RDX	ug/Kg	120 U		120 U		120 U	120 U	120 U
1,3,5-Trinitrobenzene	ug/Kg	120 U		80 J		120 U	120 U	120 U
1,3-Dinitrobenzene	ug/Kg	120 U		120 U		120 U	120 U	120 U
Tetryl	ug/Kg	400 U		400 U		400 U	120 U	120 U
2,4,6-Trinitrotoluene	ug/Kg	120 U		120 U		120 U	120 U	120 U
4-amino-2,6-Dinitrotoluene	ug/Kg	120 U		120 U		210	120 U	120 U
2-amino-4,6-Dinitrotoluene	ug/Kg	120 U		120 U		220	120 U	120 U
2,6-Dinitrotoluene	ug/Kg	120 U		120 U		120 U	120 U	120 U
2,4-Dinitrotoluene	ug/Kg	260		79 J		4000	3000 J	75 J
Metals								
Aluminum	mg/kg	22800		24900		19600	18100	14600
Antimony	mg/kg	6.2 U J		6.1 J		9.8 J	6.2 UJ	5.8 UJ
Arsenic	mg/kg	3.9		6.8		3.7	5 J	4 J
Barium	mg/kg	354 R		1860		366 R	155	114
Beryllium	mg/kg	1.1 R		0.88 R		1 R	0.97	0.69
Cadmium	mg/kg	6.1 J		17 J		7.1 J	0.36 U	0.33 U
Calcium	mg/kg	12600		30200		25300	9770	52900
Chromium	mg/kg	156 J		54.7 J		53.4 J	263	26.6
Cobalt	mg/kg	15		15.1		15.4	13.6	11
Copper	mg/kg	162		15500		185	36.5 R	26.7 R
Iron	mg/kg	34600		48800		42900	28200	26200
Lead	mg/kg	37.5 R		1700		332	64.3 J	23.6 J
Magnesium	mg/kg	7190		9300		8340	5530	10900
Manganese	mg/kg	730		616		520	590	871
Mercury	mg/kg	0.13 R		0.08 R		0.09 R	0.03 U	0.04 J
Nickel	mg/kg	47.1		52.6		50.8	33.5	37.9
Potassium	mg/kg	3240 J		2580 J		2920 J	1470	1290
Selenium	mg/kg	0.18 U J		3.3 J		0.7 J	0.26 UJ	0.23 UJ
Silver	mg/kg	0.39 U		2		0.36 U	0.37 U	0.34 U
Sodium	mg/kg	380 J		618		227 J	87.6 J	124 J
Thallium	mg/kg	0.59 J		0.33 U		0.53 J	0.61 U	0.54 U
Vanadium	mg/kg	30.4 J		29 J		27.2 J	26.6	22.3
Zinc	mg/kg	799		6380		772	116 J	95.2 J
Cyanide	mg/kg	0.69 U		0.62 U		0.65 U	0.74 U	0.69 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	PAD-H	PAD-H	PAD H
	DEPTH	4-6	0-2	0-2	2-4	0-6"	0-2'	0-2'
	DATE	01/14/93	01/14/93	01/12/93	01/12/93	12/12/91	12/12/91	12/12/91
	ES ID	PBG-6-3	PBG-6-6	PBG-9-1	PBG-9-2	PBH-1-1	PBH-1-2	PBH-1-2RE
	LAB ID	177325	177326	177195	177196	150794	150795	150795
	UNITS		DUP PBG-6-1					
Volatile Organic Compounds								
Chloromethane	ug/Kg	11 U	12 U	13 U	12 U	11 U	10 U J	10 U J
Bromomethane	ug/Kg	11 U	12 U	13 U	12 U	11 U	10 U J	10 U J
Vinyl Chloride	ug/Kg	11 U	12 U	13 U	12 U	11 U	10 U J	10 U J
Chloroethane	ug/Kg	11 U	12 U	13 U	12 U	11 U	10 U J	10 U J
Methylene Chloride	ug/Kg	11 U	12 U	2 J	12 U	5 U	5 U J	5 U J
Acetone	ug/Kg	11 U	12 U	13 U	12 U	11 U	10 U J	18 U J
Carbon Disulfide	ug/Kg	11 U	12 U	13 U	12 U	5 U	5 U J	5 U J
1,1-Dichloroethene	ug/Kg	11 U	12 U	13 U	12 U	5 U	5 U J	5 U J
1,1-Dichloroethane	ug/Kg	11 U	12 U	13 U	12 U	5 U	5 U J	5 U J
1,2-Dichloroethene (total)	ug/Kg	11 U	12 U	13 U	12 U	5 U	5 U J	5 U J
Chloroform	ug/Kg	11 U	12 U	13 U	12 U	5 U	5 U J	5 U J
1,2-Dichloroethane	ug/Kg	11 U	12 U	13 U	12 U	5 U	5 U J	5 U J
2-Butanone	ug/Kg	11 U	12 U	13 U	12 U	11 U	10 U J	10 U J
1,1,1-Trichloroethane	ug/Kg	11 U	12 U	13 U	12 U	5 U	5 U J	5 U J
Carbon Tetrachloride	ug/Kg	11 U	12 U	13 U	12 U	5 U	5 U J	5 U J
Vinyl Acetate	ug/Kg					11 U	10 U J	10 U J
Bromodichloromethane	ug/Kg	11 U	12 U	13 U	12 U	5 U	5 U J	5 U J
1,2-Dichloropropane	ug/Kg	11 U	12 U	13 U	12 U	5 U	5 U J	5 U J
cis-1,3-Dichloropropene	ug/Kg	11 U	12 U	13 U	12 U	5 U	5 U J	5 U J
Trichloroethene	ug/Kg	11 U	12 U	13 U	12 U	5 U	5 U J	5 U J
Dibromochloromethane	ug/Kg	11 U	12 U	13 U	12 U	5 U	5 U J	5 U J
1,1,2-Trichloroethane	ug/Kg	11 U	12 U	13 U	12 U	5 U	5 U J	5 U J
Benzene	ug/Kg	11 U	12 U	13 U	12 U	5 U	5 U J	5 U J
trans-1,3-Dichloropropene	ug/Kg	11 U	12 U	13 U	12 U	5 U	5 U J	5 U J
Bromoform	ug/Kg	11 U	12 U	13 U	12 U	5 U	5 U J	5 U J
4-Methyl-2-Pentanone	ug/Kg	11 U	12 U	13 U	12 U	11 U	10 U J	10 U J
2-Hexanone	ug/Kg	11 U	12 U	13 U	12 U	11 U	10 U J	10 U J
Tetrachloroethene	ug/Kg	11 U	12 U	13 U	12 U	5 U	5 U J	2 J
1,1,2,2-Tetrachloroethane	ug/Kg	11 U	12 U	13 U	12 U	5 U	5 U J	5 U J
Toluene	ug/Kg	11 U	12 U	13 U	2 J	5 U	3 J	1 J
Chlorobenzene	ug/Kg	11 U	12 U	13 U	12 U	5 U	5 U J	5 U J
Ethylbenzene	ug/Kg	11 U	12 U	13 U	12 U	5 U	5 U J	5 U J
Styrene	ug/Kg	11 U	12 U	13 U	12 U	5 U	5 U J	5 U J
Xylene (total)	ug/Kg	11 U	12 U	13 U	12 U	5 U	5 U J	5 U J

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	PAD-H	PAD-H	PAD H
	DEPTH	4-6	0-2	0-2	2-4	0-6"	0-2'	0-2'
	DATE	01/14/93	01/14/93	01/12/93	01/12/93	12/12/91	12/12/91	12/12/91
	ES ID	PBG-8-3	PBG-8-6	PBG-9-1	PBG-9-2	PBH-1-1	PBH-1-2	PBH-1-2RE
	LAB ID	177325	177326	177195	177196	150794	150795	150795
COMPOUND	UNITS		DUP PBG-8-1					
Semivolatiles								
Phenol	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
bis(2-Chloroethyl) ether	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
2-Chlorophenol	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
1,3-Dichlorobenzene	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
1,4-Dichlorobenzene	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
Benzyl Alcohol	ug/Kg					710 U	680 U	
1,2-Dichlorobenzene	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
2-Methylphenol	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
2,2'-oxybis(1-Chloropropane)	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
4-Methylphenol	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
N-Nitroso-di-n-propylamine	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
Hexachloroethane	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
Nitrobenzene	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
Isophorone	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
2-Nitrophenol	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
2,4-Dimethylphenol	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
Benzoic acid	ug/Kg					3400 U	3300 U	
bis(2-Chloroethoxy) methane	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
2,4-Dichlorophenol	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
1,2,4-Trichlorobenzene	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
Naphthalene	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
4-Chloroaniline	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
Hexachlorobutadiene	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
4-Chloro-3-methylphenol	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
2-Methylnaphthalene	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
Hexachlorocyclopentadiene	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
2,4,6-Trichlorophenol	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
2,4,5-Trichlorophenol	ug/Kg		3000 U	860 U	930 U	3400 U	3300 U	
2-Chloronaphthalene	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
2-Nitroaniline	ug/Kg		3000 U	860 U	930 U	3400 U	3300 U	
Dimethylphthalate	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
Acenaphthylene	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
2,6-Dinitrotoluene	ug/Kg		360 J	360 U	380 U	510 J	680 U	
3-Nitroaniline	ug/Kg		3000 U	860 U	930 U	3400 U	3300 U	
Acenaphthene	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
2,4-Dinitrophenol	ug/Kg		3000 U	860 U	930 U	3400 U	3300 U	
4-Nitrophenol	ug/Kg		3000 U	860 U	930 U	3400 U	3300 U	
Dibenzofuran	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
2,4-Dinitrotoluene	ug/Kg		6600 J	360 U	380 U	2200	760	
Diethylphthalate	ug/Kg		1200 U	360 U	22 J	710 U	680 U	
4-Chlorophenyl-phenylether	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
Fluorene	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
4-Nitroaniline	ug/Kg		3000 U	860 U	930 U	3400 U	3300 U	
4,6-Dinitro-2-methylphenol	ug/Kg		3000 U	860 U	930 U	3400 U	3300 U	
N-Nitrosodiphenylamine	ug/Kg		290 J	360 U	380 U	71 J	680 U	
4-Bromophenyl-phenylether	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
Hexachlorobenzene	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
Pentachlorophenol	ug/Kg		3000 U	860 U	930 U	3400 U	3300 U	
Phenanthrene	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
Anthracene	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
Carbazole	ug/Kg		1200 U	360 U	380 U			
Di-n-butylphthalate	ug/Kg		5800 J	360 U	380 U	1500	110 J	
Fluoranthene	ug/Kg		1200 U	13 J	380 U	710 U	680 U	
Pyrene	ug/Kg		1200 U	13 J	380 U	710 U	680 U	
Butylbenzylphthalate	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
3,3'-Dichlorobenzidine	ug/Kg		1200 U	360 U	380 U	1400 U	1400 U	
Benzo(a)anthracene	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
Chrysene	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
bis(2-Ethylhexyl)phthalate	ug/Kg		230 J	360 U	380 U	710 U	680 U	
Di-n-octylphthalate	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
Benzo(b)fluoranthene	ug/Kg		1200 U	17 J	380 U	710 U	680 U	
Benzo(k)fluoranthene	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
Benzo(a)pyrene	ug/Kg		1200 U	14 J	380 U	710 U	680 U	
Indeno(1,2,3-cd)pyrene	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
Dibenz(a,h)anthracene	ug/Kg		1200 U	360 U	380 U	710 U	680 U	
Benzo(g,h,i)perylene	ug/Kg		1200 U	120 J	380 U	710 U	680 U	

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	PAD-H	PAD-H	PAD H
	DEPTH	4-8	0-2	0-2	2-4	0-6"	0-2'	0-2'
	DATE	01/14/93	01/14/93	01/12/93	01/12/93	12/12/91	12/12/91	12/12/91
	ES ID	PBG-8-3	PBG-8-6	PBG-9-1	PBG-9-2	PBH-1-1	PBH-1-2	PBH-1-2RE
	LAB ID	177325	177326	177195	177196	150794	150795	150795
COMPOUND	UNITS		DUP PBG-8-1					
Pesticides/PCBs								
alpha-BHC	ug/kg		2 U	1.9 U	2 U	17 U	17 U	
beta-BHC	ug/kg		2 U	1.9 U	2 U	17 U	17 U	
delta-BHC	ug/kg		2 U	1.9 U	2 U	17 U	17 U	
gamma-BHC (Lindane)	ug/kg		2 U	1.9 U	2 U	17 U	17 U	
Heptachlor	ug/kg		2 U	1.9 U	2 U	17 U	17 U	
Aldrin	ug/kg		2 U	1.9 U	2 U	17 U	17 U	
Heptachlor epoxide	ug/kg		2 U	1.9 U	2 U	17 U	17 U	
Endosulfan I	ug/kg		2 U	1.9 U	2 U	17 U	17 U	
Dieldrin	ug/kg		3.8 U	3.6 U	3.8 U	34 U	33 U	
4,4'-DDE	ug/kg		3.8 U	1.9 J	3.8 U	34 U	33 U	
Endrin	ug/kg		3.8 U	3.6 U	3.8 U	34 U	33 U	
Endosulfan II	ug/kg		3.8 U	3.6 U	3.8 U	34 U	33 U	
4,4'-DDD	ug/kg		3.8 U	3.6 U	3.8 U	34 U	33 U	
Endosulfan sulfate	ug/kg		3.8 U	3.6 U	3.8 U	34 U	33 U	
4,4'-DDT	ug/kg		3.8 U	3.6 U	3.8 U	34 U	33 U	
Methoxychlor	ug/kg		20 U	19 U	20 U	170 U	170 U	
Endrin ketone	ug/kg		3.8 U	3.6 U	3.8 U	34 U	33 U	
Endrin aldehyde	ug/kg		3.8 U	3.6 U	3.8 U			
alpha-Chlordane	ug/kg		2 U	3.5 J	2 U	170 U	170 U	
gamma-Chlordane	ug/kg		2 U	1.9 U	2 U	170 U	170 U	
Toxaphene	ug/kg		200 U	190 U	200 U	340 U	330 U	
Aroclor-1016	ug/kg		38 U	36 U	38 U	170 U	170 U	
Aroclor-1221	ug/kg		77 U	73 U	77 U	170 U	170 U	
Aroclor-1232	ug/kg		38 U	36 U	38 U	170 U	170 U	
Aroclor-1242	ug/kg		38 U	36 U	38 U	170 U	170 U	
Aroclor-1248	ug/kg		38 U	36 U	38 U	170 U	170 U	
Aroclor-1254	ug/kg		38 U	36 U	38 U	340 U	330 U	
Aroclor-1260	ug/kg		38 U	36 U	38 U	340 U	330 U	

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	PAD-H	PAD-H	PAD H
	DEPTH	4-6	0-2	0-2	2-4	0-6"	0-2'	0-2'
	DATE	01/14/93	01/14/93	01/12/93	01/12/93	12/12/91	12/12/91	12/12/91
	ES ID	PBG-8-3	PBG-8-6	PBG-9-1	PBG-9-2	PBH-1-1	PBH-1-2	PBH-1-2RE
	LAB ID	177325	177326	177195	177196	150794	150795	150795
COMPOUND	UNITS		DUP PBG-8-1					
Explosives								
HMX	ug/Kg		120 U	120 U	120 U	1000 U	1000 U	
RDX	ug/Kg		120 U	120 U	120 U	120 U	120 U	
1,3,5-Trinitrobenzene	ug/Kg		120 U	120 U	120 U	200	350	
1,3-Dinitrobenzene	ug/Kg		120 U	120 U	120 U	440	150	
Tetryl	ug/Kg		120 U	120 U	120 U	400 U	400 U	
2,4,6-Trinitrotoluene	ug/Kg		120 U	120 U	120 U	120 U	910	
4-amino-2,6-Dinitrotoluene	ug/Kg		120 U	120 U	120 U	120 U	810	
2-amino-4,6-Dinitrotoluene	ug/Kg		120 U	120 U	120 U	120 U	1300	
2,6-Dinitrotoluene	ug/Kg		120 U	120 U	120 U	120 U	120 U	
2,4-Dinitrotoluene	ug/Kg		410 J	120 J	120 U	3900	1500	
Metals								
Aluminum	mg/kg		14500	13300	14400	14000	13300	
Antimony	mg/kg		9.1 J	5.7 UJ	6 UJ	6.1 R	5.3 R	
Arsenic	mg/kg		4.6 J	6.2 J	4.7 J	4.7 J	3.7 J	
Barium	mg/kg		163	141	122	1610	571 J	
Beryllium	mg/kg		0.65	0.74	0.72	0.56 R	0.59 R	
Cadmium	mg/kg		0.34 U	0.51 J	0.34 U	4.5	3.6	
Calcium	mg/kg		14100	14600	29400	25200	26700	
Chromium	mg/kg		129	19.9	22.9	21.9	22.1	
Cobalt	mg/kg		12.5	10.5	11.9	11.2	11.2	
Copper	mg/kg		52.1 R	23.4 R	37.7 R	43.5	42.6	
Iron	mg/kg		24900	21600	26800	25400	26900	
Lead	mg/kg		145 J	24.4 J	38.1 J	75.8	58.6	
Magnesium	mg/kg		5220	4500	6080	6980	6380	
Manganese	mg/kg		490	644	537	315	336	
Mercury	mg/kg		0.04 J	0.04 J	0.04 J	0.09	0.04 U	
Nickel	mg/kg		35.2	26.7	38.3	41.6	39.8	
Potassium	mg/kg		1420	1370	1260	1440	1430	
Selenium	mg/kg		0.2 UJ	0.41 J	0.14 UJ	0.24 J	0.11 J	
Silver	mg/kg		0.35 U	0.34 U	0.35 U	0.99 U	0.87 U	
Sodium	mg/kg		86.5 J	74 J	114 J	109 J	113 J	
Thallium	mg/kg		0.47 U	0.48 U	0.32 U	0.52 U	0.33 U	
Vanadium	mg/kg		22.6	22.3	22.3	16.7	16.3	
Zinc	mg/kg		197 J	77.5 J	118 J	217	402	
Cyanide	mg/kg		0.7 U	0.66 U	0.71 U	0.63 U	0.59 U	

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB	OB	OB
	DEPTH	0-2	0-2	2-4	0-2	0-2	0-2	0-2	0-2
	DATE	01/14/93	01/14/93	01/14/93	03/12/93	03/12/93	03/12/93	03/12/93	03/12/93
	ES ID	PBH-2-1	PBH2-1RE	PBH-2-2	PBH-3-1	PBH3-1RE	PBH-4-1	PBH4-1RE	PBH-5-1
	LAB ID	177327	177327R1	177328	179987	179987R1	179988	179988R1	179989
	UNITS								
Volatile Organic Compounds									
Chloromethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U
Bromomethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U
Vinyl Chloride	ug/Kg	11 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U
Chloroethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U
Methylene Chloride	ug/Kg	11 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U
Acetone	ug/Kg	11 U	11 U	100	11 U	11 U	10 U	10 U	11 U
Carbon Disulfide	ug/Kg	11 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U
1,1-Dichloroethene	ug/Kg	11 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U
1,1-Dichloroethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U
1,2-Dichloroethene (total)	ug/Kg	11 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U
Chloroform	ug/Kg	11 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U
1,2-Dichloroethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U
2-Butanone	ug/Kg	11 U	11 U	22	11 U	11 U	10 U	10 U	11 U
1,1,1-Trichloroethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U
Carbon Tetrachloride	ug/Kg	11 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U
Vinyl Acetate	ug/Kg								
Bromodichloromethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U
1,2-Dichloropropane	ug/Kg	11 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U
cis-1,3-Dichloropropene	ug/Kg	11 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U
Trichloroethene	ug/Kg	11 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U
Dibromochloromethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U
1,1,2-Trichloroethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U
Benzene	ug/Kg	11 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U
trans-1,3-Dichloropropene	ug/Kg	11 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U
Bromoform	ug/Kg	11 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U
4-Methyl-2-Pentanone	ug/Kg	11 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U
2-Hexanone	ug/Kg	11 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U
Tetrachloroethene	ug/Kg	11 U	11 U	11 U	11 U	11 U	4 J	4 J	2 J
1,1,2,2-Tetrachloroethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U
Toluene	ug/Kg	11 U	11 U	11 U	11 U	11 U	3 J	3 J	11 U
Chlorobenzene	ug/Kg	11 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U
Ethylbenzene	ug/Kg	11 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U
Styrene	ug/Kg	11 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U
Xylene (total)	ug/Kg	11 U	11 U	11 J	11 U	11 U	10 U	10 U	11 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB	OB	OB
	DEPTH	0-2	0-2	2-4	0-2	0-2	0-2	0-2	0-2
	DATE	01/14/93	01/14/93	01/14/93	03/12/93	03/12/93	03/12/93	03/12/93	03/12/93
	ES ID	PBH-2-1	PBH2-1RE	PBH-2-2	PBH-3-1	PBH3-1RE	PBH-4-1	PBH4-1RE	PBH-5-1
	LAB ID	177327	177327R1	177328	179987	179987R1	179988	179988R1	179989
COMPOUND	UNITS								
Semivolatiles									
Phenol	ug/Kg	350 U		730 U	360 U		350 U		350 U
bis(2-Chloroethyl) ether	ug/Kg	350 U		730 U	360 U		350 U		350 U
2-Chlorophenol	ug/Kg	350 U		730 U	360 U		350 U		350 U
1,3-Dichlorobenzene	ug/Kg	350 U		730 U	360 U		350 U		350 U
1,4-Dichlorobenzene	ug/Kg	350 U		730 U	360 U		350 U		350 U
Benzyl Alcohol	ug/Kg								
1,2-Dichlorobenzene	ug/Kg	350 U		730 U	360 U		350 U		350 U
2-Methylphenol	ug/Kg	350 U		730 U	360 U		350 U		350 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	350 U		730 U	360 U		350 U		350 U
4-Methylphenol	ug/Kg	350 U		730 U	360 U		350 U		350 U
N-Nitroso-di-n-propylamine	ug/Kg	350 U		730 U	360 U		350 U		350 U
Hexachloroethane	ug/Kg	350 U		730 U	360 U		350 U		350 U
Nitrobenzene	ug/Kg	350 U		730 U	360 U		350 U		350 U
Isophorone	ug/Kg	350 U		730 U	360 U		350 U		350 U
2-Nitrophenol	ug/Kg	350 U		730 U	360 U		350 U		350 U
2,4-Dimethylphenol	ug/Kg	350 U		730 U	360 U		350 U		350 U
Benzoic acid	ug/Kg								
bis(2-Chloroethoxy) methane	ug/Kg	350 U		730 U	360 U		350 U		350 U
2,4-Dichlorophenol	ug/Kg	350 U		730 U	360 U		350 U		350 U
1,2,4-Trichlorobenzene	ug/Kg	350 U		730 U	360 U		350 U		350 U
Naphthalene	ug/Kg	350 U		570 J	360 U		250 J		350 U
4-Chloroaniline	ug/Kg	350 U		730 U	360 U		350 U		350 U
Hexachlorobutadiene	ug/Kg	350 U		730 U	360 U		350 U		350 U
4-Chloro-3-methylphenol	ug/Kg	350 U		730 U	360 U		350 U		350 U
2-Methylnaphthalene	ug/Kg	350 U		4700	360 U		1100		350 U
Hexachlorocyclopentadiene	ug/Kg	350 U		730 U	360 U		350 U		350 U
2,4,6-Trichlorophenol	ug/Kg	350 U		730 U	360 U		350 U		350 U
2,4,5-Trichlorophenol	ug/Kg	850 U		1800 U	860 U		850 U		850 U
2-Chloronaphthalene	ug/Kg	350 U		730 U	360 U		350 U		350 U
2-Nitroaniline	ug/Kg	850 U		1800 U	860 U		850 U		20 J
Dimethylphthalate	ug/Kg	350 U		730 U	360 U		350 U		350 U
Acenaphthylene	ug/Kg	350 U		730 U	360 U		350 U		350 U
2,6-Dinitrotoluene	ug/Kg	220 J		140 J	110 J		83 J		170 J
3-Nitroaniline	ug/Kg	850 U		1800 U	860 U		850 U		850 U
Acenaphthene	ug/Kg	350 U		460 J	360 U		120 J		350 U
2,4-Dinitrophenol	ug/Kg	850 U		1800 U	860 U		850 U		850 U
4-Nitrophenol	ug/Kg	850 U		1800 U	860 U		850 U		850 U
Dibenzofuran	ug/Kg	350 U		730 U	360 U		62 J		350 U
2,4-Dinitrotoluene	ug/Kg	590		730 U	400		610		660
Diethylphthalate	ug/Kg	350 U		730 U	18 J		350 U		350 U
4-Chlorophenyl-phenylether	ug/Kg	350 U		730 U	360 U		350 U		350 U
Fluorene	ug/Kg	350 U		710 J	360 U		160 J		350 U
4-Nitroaniline	ug/Kg	850 U		1800 U	860 U		850 U		850 U
4,6-Dinitro-2-methylphenol	ug/Kg	850 U		1800 U	860 U		850 U		850 U
N-Nitrosodiphenylamine	ug/Kg	350 U		730 U	360 U		350 U		350 U
4-Bromophenyl-phenylether	ug/Kg	350 U		730 U	360 U		350 U		350 U
Hexachlorobenzene	ug/Kg	350 U		730 U	360 U		350 U		350 U
Pentachlorophenol	ug/Kg	850 U		1800 U	860 U		850 U		850 U
Phenanthrene	ug/Kg	350 U		1700	360 U		260 J		350 U
Anthracene	ug/Kg	350 U		730 U	360 U		53 J		350 U
Carbazole	ug/Kg	350 U		730 U	360 U		350 U		350 U
Di-n-butylphthalate	ug/Kg	500		98 J	160 J		140 J		250 J
Fluoranthene	ug/Kg	350 U		730 U	360 U		350 U		350 U
Pyrene	ug/Kg	350 U		730 U	360 U		30 J		350 U
Butylbenzylphthalate	ug/Kg	350 U		730 U	360 U		350 U		350 U
3,3'-Dichlorobenzidine	ug/Kg	350 U		730 U	360 U		350 U		350 U
Benzo(a)anthracene	ug/Kg	350 U		730 U	360 U		350 U		350 U
Chrysene	ug/Kg	350 U		730 U	360 U		350 U		350 U
bis(2-Ethylhexyl)phthalate	ug/Kg	190 J		400 J	360 U		350 U		350 U
Di-n-octylphthalate	ug/Kg	350 U		730 U	360 U		350 U		350 U
Benzo(b)fluoranthene	ug/Kg	350 U		730 U	360 U		350 U		350 U
Benzo(k)fluoranthene	ug/Kg	350 U		730 U	360 U		350 U		350 U
Benzo(a)pyrene	ug/Kg	350 U		730 U	360 U		350 U		350 U
Indeno(1,2,3-cd)pyrene	ug/Kg	350 U		730 U	360 U		350 U		350 U
Dibenz(a,h)anthracene	ug/Kg	350 U		730 U	360 U		350 U		350 U
Benzo(g,h,i)perylene	ug/Kg	350 U		730 U	360 U		350 U		350 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB	OB	OB
	DEPTH	0-2	0-2	2-4	0-2	0-2	0-2	0-2	0-2
	DATE	01/14/93	01/14/93	01/14/93	03/12/93	03/12/93	03/12/93	03/12/93	03/12/93
	ES ID	PBH-2-1	PBH2-1RE	PBH-2-2	PBH-3-1	PBH3-1RE	PBH-4-1	PBH4-1RE	PBH-5-1
	LAB ID	177327	177327R1	177328	179987	179987R1	179988	179988R1	179989
COMPOUND	UNITS								
Pesticides/PCBs									
alpha-BHC	ug/kg	1.8 U		1.9 U	1.8 U		3.6 U		1.8 U
beta-BHC	ug/kg	1.8 U		1.9 U	1.8 U		3.6 U		2.1 J
delta-BHC	ug/kg	1.8 U		1.9 U	1.8 U		3.6 U		1.8 U
gamma-BHC (Lindane)	ug/kg	1.8 U		1.9 U	1.8 U		3.6 U		1.8 U
Heptachlor	ug/kg	1.8 U		1.9 U	1.8 U		3.6 U		1.8 U
Aldrin	ug/kg	1.8 U		1.9 U	1.8 U		3.6 U		1.8 U
Heptachlor epoxide	ug/kg	1.8 U		1.9 U	1.8 U		3.6 U		1.8 U
Endosulfan I	ug/kg	1.8 U		1.9 U	1.8 U		3.6 U		1.8 U
Dieldrin	ug/kg	3.5 U		3.7 U	3.5 U		6.9 U		3.5 U
4,4'-DDE	ug/kg	3.5 U		3.7 U	3.5 U		6.9 U		3.5 U
Endrin	ug/kg	3.5 U		3.7 U	3.5 U		6.9 U		3.5 U
Endosulfan II	ug/kg	3.5 U		3.7 U	3.5 U		6.9 U		3.5 U
4,4'-DDD	ug/kg	3.5 U		3.7 U	3.5 U		6.9 U		3.5 U
Endosulfan sulfate	ug/kg	3.5 U		3.7 U	3.5 U		6.9 U		3.5 U
4,4'-DDT	ug/kg	3.5 U		3.7 U	3.5 U		6.9 U		3.5 U
Methoxychlor	ug/kg	18 U		19 U	18 U		36 U		18 U
Endrin ketone	ug/kg	3.5 U		3.7 U	3.5 U		6.9 U		3.5 U
Endrin aldehyde	ug/kg	3.5 U		3.7 U	3.5 U		6.9 U		3.5 U
alpha-Chlordane	ug/kg	1.8 U		1.9 U	1.8 U		3.6 U		1.8 U
gamma-Chlordane	ug/kg	1.8 U		1.9 U	1.8 U		3.6 U		1.8 U
Toxaphene	ug/kg	180 U		190 U	180 U		360 U		180 U
Aroclor-1016	ug/kg	35 U		37 U	35 U		69 U		35 U
Aroclor-1221	ug/kg	72 U		75 U	72 U		140 U		72 U
Aroclor-1232	ug/kg	35 U		37 U	35 U		69 U		35 U
Aroclor-1242	ug/kg	35 U		37 U	35 U		69 U		35 U
Aroclor-1248	ug/kg	35 U		37 U	35 U		69 U		35 U
Aroclor-1254	ug/kg	35 U		37 U	35 U		69 U		35 U
Aroclor-1260	ug/kg	35 U		37 U	35 U		69 U		35 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB	OB	OB
	DEPTH	0-2	0-2	2-4	0-2	0-2	0-2	0-2	0-2
	DATE	01/14/93	01/14/93	01/14/93	03/12/93	03/12/93	03/12/93	03/12/93	03/12/93
	ES ID	PBH-2-1	PBH2-1RE	PBH-2-2	PBH-3-1	PBH3-1RE	PBH-4-1	PBH4-1RE	PBH-5-1
	LAB ID	177327	177327R1	177328	179987	179987R1	179988	179988R1	179989
COMPOUND	UNITS								
Explosives									
HMX	ug/Kg	120 U		120 U	120 U		120 U		120 U
RDX	ug/Kg	120 U		120 U	120 U		120 U		71 J
1,3,5-Trinitrobenzene	ug/Kg	120 U		120 U	120 U		130 J		79 J
1,3-Dinitrobenzene	ug/Kg	230		120 U	160		120		110 J
Tetryl	ug/Kg	120 U		120 U	120 U		180 J		100 J
2,4,6-Trinitrotoluene	ug/Kg	120 U		120 U	120 U		75 J		120 U
4-amino-2,6-Dinitrotoluene	ug/Kg	120 U		120 U	83 J		440 J		250
2-amino-4,6-Dinitrotoluene	ug/Kg	120 U		120 U	120 U		860		250
2,6-Dinitrotoluene	ug/Kg	120 U		120 U	120 U		120 U		120 U
2,4-Dinitrotoluene	ug/Kg	3800		260	2300		2000		3400
Metals									
Aluminum	mg/Kg	9080		13100	14400		14200		10600
Antimony	mg/Kg	5.8 UJ		13.7 J	4.4 UJ		4.6 UJ		4.4 UJ
Arsenic	mg/Kg	2.5 J		11.7 J	4.7		4.3		4
Barium	mg/Kg	144		708	131		96		39.6
Beryllium	mg/Kg	0.44 J		0.56	0.63 J		0.62 J		0.48 J
Cadmium	mg/Kg	0.33 U		0.52 J	0.33 U		0.33 U		0.32 U
Calcium	mg/Kg	30200		13300	34700		26400		20000
Chromium	mg/Kg	17.5		33.6	26.6		25.7		19.7
Cobalt	mg/Kg	8.5		12.7	14.3		14.4		13.9
Copper	mg/Kg	27.9 R		742	44.2		44.7		33.2
Iron	mg/Kg	19400		22100	32300		31000		26600
Lead	mg/Kg	15.5		2760	75.6		68.7		30.5
Magnesium	mg/Kg	4650		4890	7420		7220		5570
Manganese	mg/Kg	292		522	410		348		271
Mercury	mg/Kg	0.04 J		0.06 J	0.04 U		0.05 U		0.05 J
Nickel	mg/Kg	32.1		26.8	51.8 J		51.3 J		48.5 J
Potassium	mg/Kg	961		1400	1580		1570		967
Selenium	mg/Kg	0.26 J		0.24 UJ	0.25 UJ		0.17 J		0.27 UJ
Silver	mg/Kg	0.34 U		0.44 J	0.7 U		0.72 U		0.69 U
Sodium	mg/Kg	70.7 J		112 J	139 J		126 J		82.6 J
Thallium	mg/Kg	0.34 U		0.56 U	0.58 U		0.37 U		0.62 U
Vanadium	mg/Kg	12.1		20.7	19.5		19.8		14.9
Zinc	mg/Kg	70 J		457	89.9 J		93.5 J		77.6 J
Cyanide	mg/Kg	0.63 U		0.65 U	0.64 U		0.63 U		0.64 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	PAD J	PAD J	PAD J	PAD J	PAD J	PAD J
	DEPTH	0-2	0-6"	0-6"	0-6"	0-6"	0-2'	0-6"
	DATE	03/12/93	01/13/92	01/13/92	01/13/92	01/13/92	01/13/92	01/13/92
	ES ID	PBH-6-1	PBJ-1-1DL	PBJ-1-1DL1	PBJ-1-1	PBJ-1-1RE	PBJ-1-2	PBJ-2-1
	LAB ID	179990	152373	152373	152373	152373	152374	152376
	UNITS							
Volatile Organic Compounds								
Chloromethane	ug/Kg	11 U			11 U J	11 U J	12 U	12 U
Bromomethane	ug/Kg	11 U			11 U J	11 U J	12 U	12 U
Vinyl Chloride	ug/Kg	11 U			11 U J	11 U J	12 U	12 U
Chloroethane	ug/Kg	11 U			11 U J	11 U J	12 U	12 U
Methylene Chloride	ug/Kg	11 U			6 U J	6 U J	6 U	7 U
Acetone	ug/Kg	11 U			11 U J	11 U J	12 U	12 U
Carbon Disulfide	ug/Kg	11 U			6 U J	6 U J	6 U	6 U
1,1-Dichloroethene	ug/Kg	11 U			6 U J	6 U J	6 U	6 U
1,1-Dichloroethane	ug/Kg	11 U			6 U J	6 U J	6 U	6 U
1,2-Dichloroethene (total)	ug/Kg	11 U			6 U J	6 U J	6 U	6 U
Chloroform	ug/Kg	11 U			6 U J	6 U J	6 U	6 U
1,2-Dichloroethane	ug/Kg	11 U			6 U J	6 U J	6 U	6 U
2-Butanone	ug/Kg	11 U			11 U J	11 U J	12 U	12 U
1,1,1-Trichloroethane	ug/Kg	11 U			6 U J	6 U J	6 U	6 U
Carbon Tetrachloride	ug/Kg	11 U			6 U J	6 U J	6 U	6 U
Vinyl Acetate	ug/Kg				11 U J	11 U J	12 U	12 U
Bromodichloromethane	ug/Kg	11 U			6 U J	6 U J	6 U	6 U
1,2-Dichloropropane	ug/Kg	11 U			6 U J	6 U J	6 U	6 U
cis-1,3-Dichloropropene	ug/Kg	11 U			6 U J	6 U J	6 U	6 U
Trichloroethene	ug/Kg	11 U			6 U J	6 U J	6 U	6 U
Dibromochloromethane	ug/Kg	11 U			6 U J	6 U J	6 U	6 U
1,1,2-Trichloroethane	ug/Kg	11 U			6 U J	6 U J	6 U	6 U
Benzene	ug/Kg	11 U			6 U J	6 U J	6 U	6 U
trans-1,3-Dichloropropene	ug/Kg	11 U			6 U J	6 U J	6 U	6 U
Bromoform	ug/Kg	11 U			6 U J	6 U J	6 U	6 U
4-Methyl-2-Pentanone	ug/Kg	11 U			11 U J	11 U J	12 U	12 U
2-Hexanone	ug/Kg	11 U			11 U J	11 U J	12 U	12 U
Tetrachloroethene	ug/Kg	11 U			6 U J	6 U J	6 U	6 U
1,1,2,2-Tetrachloroethane	ug/Kg	11 U			6 U J	6 U J	6 U	6 U
Toluene	ug/Kg	11 U			6 U J	6 U J	6 U	1 J
Chlorobenzene	ug/Kg	11 U			6 U J	6 U J	6 U	6 U
Ethylbenzene	ug/Kg	11 U			6 U J	6 U J	6 U	6 U
Styrene	ug/Kg	11 U			6 U J	6 U J	6 U	6 U
Xylene (total)	ug/Kg	11 U			6 U J	6 U J	6 U	6 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

COMPOUND	MATRIX / LOCATION / DEPTH / DATE / ES ID / LAB ID / UNITS	SOIL OB 0-2 03/12/93 PBH-6-1 179990	SOIL PAD J 0-6" 01/13/92 PBJ-1-1DL 152373	SOIL PAD J 0-6" 01/13/92 PBJ-1-1DL1 152373	SOIL PAD J 0-6" 01/13/92 PBJ-1-1 152373	SOIL PAD J 0-6" 01/13/92 PBJ-1-1RE 152373	SOIL PAD J 0-2' 01/13/92 PBJ-1-2 152374	SOIL PAD J 0-6" 01/13/92 PBJ-2-1 152376
Semivolatiles								
Phenol	ug/Kg	1800 U			800 U		770 U	840 U
bis(2-Chloroethyl) ether	ug/Kg	1800 U			800 U		770 U	840 U
2-Chlorophenol	ug/Kg	1800 U			800 U		770 U	840 U
1,3-Dichlorobenzene	ug/Kg	1800 U			800 U		770 U	840 U
1,4-Dichlorobenzene	ug/Kg	1800 U			800 U		770 U	840 U
Benzyl Alcohol	ug/Kg				800 U		770 U	840 U
1,2-Dichlorobenzene	ug/Kg	1800 U			800 U		770 U	840 U
2-Methylphenol	ug/Kg	1800 U			800 U		770 U	840 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	1800 U			800 U		770 U	840 U
4-Methylphenol	ug/Kg	1800 U			800 U		770 U	840 U
N-Nitroso-di-n-propylamine	ug/Kg	1800 U			800 U		770 U	840 U
Hexachloroethane	ug/Kg	1800 U			800 U		770 U	840 U
Nitrobenzene	ug/Kg	1800 U			800 U		770 U	840 U
Isophorone	ug/Kg	1800 U			800 U		770 U	840 U
2-Nitrophenol	ug/Kg	1800 U			800 U		770 U	840 U
2,4-Dimethylphenol	ug/Kg	1800 U			800 U		770 U	840 U
Benzoic acid	ug/Kg				3900 U		3800 U	4000 U
bis(2-Chloroethoxy) methane	ug/Kg	1800 U			800 U		770 U	840 U
2,4-Dichlorophenol	ug/Kg	1800 U			800 U		770 U	840 U
1,2,4-Trichlorobenzene	ug/Kg	1800 U			800 U		770 U	840 U
Naphthalene	ug/Kg	1800 U			800 U		770 U	840 U
4-Chloroaniline	ug/Kg	1800 U			800 U		770 U	840 U
Hexachlorobutadiene	ug/Kg	1800 U			800 U		770 U	840 U
4-Chloro-3-methylphenol	ug/Kg	1800 U			800 U		770 U	840 U
2-Methylnaphthalene	ug/Kg	280 J			800 U		770 U	840 U
Hexachlorocyclopentadiene	ug/Kg	1800 U			800 U		770 U	840 U
2,4,6-Trichlorophenol	ug/Kg	1800 U			800 U		770 U	840 U
2,4,5-Trichlorophenol	ug/Kg	4300 U			3900 U		3800 U	4000 U
2-Chloronaphthalene	ug/Kg	1800 U			800 U		770 U	840 U
2-Nitroaniline	ug/Kg	4300 U			3900 U		3800 U	4000 U
Dimethylphthalate	ug/Kg	1800 U			800 U		770 U	840 U
Acenaphthylene	ug/Kg	1800 U			800 U		770 U	840 U
2,6-Dinitrotoluene	ug/Kg	1800 U			800 U		770 U	840 U
3-Nitroaniline	ug/Kg	4300 U			3900 U		3800 U	4000 U
Acenaphthene	ug/Kg	100 J			800 U		770 U	840 U
2,4-Dinitrophenol	ug/Kg	4300 U			3900 U		3800 U	4000 U
4-Nitrophenol	ug/Kg	4300 U			3900 U		3800 U	4000 U
Dibenzofuran	ug/Kg	1800 U			800 U		770 U	840 U
2,4-Dinitrotoluene	ug/Kg	1600 J			130 J		770 U	820 J
Diethylphthalate	ug/Kg	1800 U			800 U		770 U	840 U
4-Chlorophenyl-phenylether	ug/Kg	1800 U			800 U		770 U	840 U
Fluorene	ug/Kg	170 J			800 U		770 U	840 U
4-Nitroaniline	ug/Kg	4300 U			3900 U		3800 U	4000 U
4,6-Dinitro-2-methylphenol	ug/Kg	4300 U			3900 U		3800 U	4000 U
N-Nitrosodiphenylamine	ug/Kg	1800 U			800 U		770 U	81 J
4-Bromophenyl-phenylether	ug/Kg	1800 U			800 U		770 U	840 U
Hexachlorobenzene	ug/Kg	1800 U			800 U		770 U	840 U
Pentachlorophenol	ug/Kg	4300 U			3900 U		3800 U	4000 U
Phenanthrene	ug/Kg	330 J			93 J		770 U	840 U
Anthracene	ug/Kg	69 J			800 U		770 U	840 U
Carbazole	ug/Kg	1800 U						
Di-n-butylphthalate	ug/Kg	140 J			480 J		770 U	840 U
Fluoranthene	ug/Kg	1800 U			96 J		770 U	840 U
Pyrene	ug/Kg	89 J			100 J		770 U	840 U
Butylbenzylphthalate	ug/Kg	1800 U			800 U		770 U	840 U
3,3'-Dichlorobenzidine	ug/Kg	1800 U			1600 U		1500 U	1700 U
Benzo(a)anthracene	ug/Kg	1800 U			800 U		770 U	840 U
Chrysene	ug/Kg	1800 U			800 U		770 U	840 U
bis(2-Ethylhexyl)phthalate	ug/Kg	1800 U			800 U		770 U	190 J
Di-n-octylphthalate	ug/Kg	1800 U			800 U		770 U	840 U
Benzo(b)fluoranthene	ug/Kg	1800 U			800 U		770 U	840 U
Benzo(k)fluoranthene	ug/Kg	1800 U			800 U		770 U	840 U
Benzo(a)pyrene	ug/Kg	1800 U			800 U		770 U	840 U
Indeno(1,2,3-cd)pyrene	ug/Kg	1800 U			800 U		770 U	840 U
Dibenz(a,h)anthracene	ug/Kg	1800 U			800 U		770 U	840 U
Benzo(g,h,i)perylene	ug/Kg	1800 U			800 U		770 U	840 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	PAD J	PAD J	PAD J	PAD J	PAD J	PAD J
	DEPTH	0-2	0-6"	0-6"	0-6"	0-6"	0-2'	0-6"
	DATE	03/12/93	01/13/92	01/13/92	01/13/92	01/13/92	01/13/92	01/13/92
	ES ID	PBH-6-1	PBJ-1-1DL	PBJ-1-1DL1	PBJ-1-1	PBJ-1-1RE	PBJ-1-2	PBJ-2-1
	LAB ID	179990	152373	152373	152373	152373	152374	152376
Pesticides/PCBs	UNITS							
alpha-BHC	ug/kg	3.6 U	58 U	580 U R			19 U	20 U
beta-BHC	ug/kg	3.6 U	58 U	580 U R			19 U	20 U
delta-BHC	ug/kg	3.6 U	58 U	580 U R			19 U	20 U
gamma-BHC (Lindane)	ug/kg	3.6 U	58 U	580 U R			19 U	20 U
Heptachlor	ug/kg	3.6 U	58 U	580 U R			19 U	20 U
Aldrin	ug/kg	3.6 U	58 U	580 U R			19 U	20 U
Heptachlor epoxide	ug/kg	3.6 U	58 U	580 U R			19 U	20 U
Endosulfan I	ug/kg	3.6 U	58 U	580 U R			19 U	20 U
Dieldrin	ug/kg	7.1 U	120 U	1200 U R			38 U	40 U
4,4'-DDE	ug/kg	4.5 J	980 R	830 J			32 J	38 J
Endrin	ug/kg	7.1 U	120 U	1200 U R			38 U	40 U
Endosulfan II	ug/kg	7.1 U	120 U	1200 U R			38 U	40 U
4,4'-DDD	ug/kg	7.1 U	120 U	1200 U R			38 U	40 U
Endosulfan sulfate	ug/kg	7.1 U	120 U	1200 U R			38 U	40 U
4,4'-DDT	ug/kg	3.6 J	320	1200 U R			38 U	40 U
Methoxychlor	ug/kg	36 U	580 U	5800 U R			190 U	200 U
Endrin ketone	ug/kg	7.1 U	120 U	1200 U R			38 U	40 U
Endrin aldehyde	ug/kg	7.1 U						
alpha-Chlordane	ug/kg	3.6 U	580 U	5800 U R			190 U	200 U
gamma-Chlordane	ug/kg	3.6 U	580 U	5800 U R			190 U	200 U
Toxaphene	ug/kg	360 U	1200 U	12000 U R			380 U	400 U
Aroclor-1016	ug/kg	71 U	580 U	5800 U R			190 U	200 U
Aroclor-1221	ug/kg	140 U	580 U	5800 U R			190 U	200 U
Aroclor-1232	ug/kg	71 U	580 U	5800 U R			190 U	200 U
Aroclor-1242	ug/kg	71 U	580 U	5800 U R			190 U	200 U
Aroclor-1248	ug/kg	71 U	580 U	5800 U R			190 U	200 U
Aroclor-1254	ug/kg	71 U	1200 U	12000 U R			380 U	400 U
Aroclor-1260	ug/kg	71 U	1200 U	12000 U R			380 U	400 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	PAD J	PAD J	PAD J	PAD J	PAD J	PAD J
	DEPTH	0-2	0-6"	0-6"	0-6"	0-6"	0-2'	0-6"
	DATE	03/12/93	01/13/92	01/13/92	01/13/92	01/13/92	01/13/92	01/13/92
	ES ID	PBH-6-1	PBJ-1-1DL	PBJ-1-1DL1	PBJ-1-1	PBJ-1-1RE	PBJ-1-2	PBJ-2-1
	LAB ID	179990	152373	152373	152373	152373	152374	152376
COMPOUND	UNITS							
Explosives								
HMX	ug/Kg	120 U			1000 U		1000 U	1000 U
RDX	ug/Kg	71 J			120 U		120 U	120 U
1,3,5-Trinitrobenzene	ug/Kg	200 J			120 U		120 U	120 U
1,3-Dinitrobenzene	ug/Kg	120 U			120 U		120 U	120 U
Tetryl	ug/Kg	270 J			400 U		400 U	400 U
2,4,6-Trinitrotoluene	ug/Kg	210 J			120 U		120 U	120 U
4-amino-2,6-Dinitrotoluene	ug/Kg	400 J			120 U		120 U	120 U
2-amino-4,6-Dinitrotoluene	ug/Kg	640			120 U		120 U	120 U
2,6-Dinitrotoluene	ug/Kg	120 U			120 U		120 U	120 U
2,4-Dinitrotoluene	ug/Kg	930			420		120 U	370
Metals								
Aluminum	mg/kg	6410			18800		26900	21800
Antimony	mg/kg	3.1 UJ			6.1 U J		5.8 U J	5.7 U J
Arsenic	mg/kg	4.6			3.7		4.9	4.1
Barium	mg/kg	124			8130		1660	2520
Beryllium	mg/kg	0.32 J			0.7 R		1.3 R	1 R
Cadmium	mg/kg	0.23 U			4.8 J		4.3 J	5.4 J
Calcium	mg/kg	16600			22800		11700	34400
Chromium	mg/kg	12			30.1 J		35.4 J	38.5 J
Cobalt	mg/kg	8.6			9.1		15.5	15.5
Copper	mg/kg	39			143		58.4	137
Iron	mg/kg	15000			20700		37700	42500
Lead	mg/kg	51.6			356		80.9	266
Magnesium	mg/kg	3480			16700		8650	10600
Manganese	mg/kg	209			334		774	619
Mercury	mg/kg	0.12			0.11 R		0.12 R	0.17 R
Nickel	mg/kg	27.6 J			38.4		42.5	57.3
Potassium	mg/kg	596			1520 J		2930 J	2310 J
Selenium	mg/kg	0.34 J			0.33 J		0.2 U J	0.24 J
Silver	mg/kg	0.49 U			0.39 U		0.37 U	0.37 U
Sodium	mg/kg	58.8 J			244 J		164 J	165 J
Thallium	mg/kg	0.52 U			0.43 J		0.48 U	0.56 J
Vanadium	mg/kg	9			17.8 J		39 J	27.1 J
Zinc	mg/kg	43.7 J			1380		246	512
Cyanide	mg/kg	0.65 U			0.7 U		0.72 U	0.69 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

COMPOUND	MATRIX / LOCATION / DEPTH / DATE / ES ID / LAB ID / UNITS	SOIL PAD J 0-2' 01/14/92 PBJ-2-2 152463	SOIL PAD J 0-6" 01/14/92 PBJ-3-1 152466	SOIL PAD-J 0-6" 01/14/92 PBJ-3-1RE 152466	SOIL PAD-J 0-2' 01/15/92 PBJ-3-2 152550	SOIL PAD-J 0-6" 01/15/92 PBJ-4-1 152553	SOIL PAD J 0-2' 01/15/92 PBJ-4-2 152554	SOIL PAD-J 4' + 01/15/92 PBJ-4-4 152556
Volatile Organic Compounds								
Chloromethane	ug/Kg	12 U	14 U J	15 U J	12 U	12 U		11 U
Bromomethane	ug/Kg	12 U	14 U J	15 U J	12 U	12 U		11 U
Vinyl Chloride	ug/Kg	12 U	14 U J	15 U J	12 U	12 U		11 U
Chloroethane	ug/Kg	12 U	14 U J	15 U J	12 U	12 U		11 U
Methylene Chloride	ug/Kg	6 U	7 U J	8 U J	6 U	12 U		6 U
Acetone	ug/Kg	12 U	14 U J	15 U J	12 U	12 U		11 U
Carbon Disulfide	ug/Kg	6 U	7 U J	8 U J	6 U	6 U		6 U
1,1-Dichloroethene	ug/Kg	6 U	7 U J	8 U J	6 U	6 U		6 U
1,1-Dichloroethane	ug/Kg	6 U	7 U J	8 U J	6 U	6 U		6 U
1,2-Dichloroethene (total)	ug/Kg	6 U	7 U J	8 U J	6 U	6 U		6 U
Chloroform	ug/Kg	2 J	6 J	8 U J	6 U	6 U		6 U
1,2-Dichloroethane	ug/Kg	6 U	7 U J	8 U J	6 U	6 U		6 U
2-Butanone	ug/Kg	12 U	14 U J	15 U J	12 U	12 U		11 U
1,1,1-Trichloroethane	ug/Kg	6 U	7 U J	8 U J	6 U	6 U		6 U
Carbon Tetrachloride	ug/Kg	6 U	7 U J	8 U J	6 U	6 U		6 U
Vinyl Acetate	ug/Kg	12 U	14 U J	15 U J	12 U	12 U		11 U
Bromodichloromethane	ug/Kg	6 U	7 U J	8 U J	6 U	6 U		6 U
1,2-Dichloropropane	ug/Kg	6 U	7 U J	8 U J	6 U	6 U		6 U
cis-1,3-Dichloropropene	ug/Kg	6 U	7 U J	8 U J	6 U	6 U		6 U
Trichloroethene	ug/Kg	6 U	7 U J	8 U J	6 U	6 U		6 U
Dibromochloromethane	ug/Kg	6 U	7 U J	8 U J	6 U	6 U		6 U
1,1,2-Trichloroethane	ug/Kg	6 U	7 U J	8 U J	6 U	6 U		6 U
Benzene	ug/Kg	6 U	7 U J	8 U J	6 U	6 U		6 U
trans-1,3-Dichloropropene	ug/Kg	6 U	7 U J	8 U J	6 U	6 U		6 U
Bromoform	ug/Kg	6 U	7 U J	8 U J	6 U	6 U		6 U
4-Methyl-2-Pentanone	ug/Kg	12 U	14 U J	15 U J	12 U	12 U		11 U
2-Hexanone	ug/Kg	12 U	14 U J	15 U J	12 U	12 U		11 U
Tetrachloroethene	ug/Kg	6 U	7 U J	8 U J	6 U	6 U		6 U
1,1,2,2-Tetrachloroethane	ug/Kg	6 U	7 U J	8 U J	6 U	6 U		6 U
Toluene	ug/Kg	6 U	7 U J	8 U J	6 U	6 U		6 U
Chlorobenzene	ug/Kg	6 U	7 U J	8 U J	6 U	6 U		6 U
Ethylbenzene	ug/Kg	6 U	7 U J	8 U J	6 U	6 U		6 U
Styrene	ug/Kg	6 U	7 U J	8 U J	6 U	6 U		6 U
Xylene (total)	ug/Kg	6 U	7 U J	8 U J	6 U	6 U		6 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
LOCATION		PAD J	PAD J	PAD-J	PAD-J	PAD-J	PAD J	PAD-J
DEPTH		0-2'	0-6"	0-6"	0-2'	0-6"	0-2'	4' +
DATE		01/14/92	01/14/92	01/14/92	01/15/92	01/15/92	01/15/92	01/15/92
ES ID		PBJ-2-2	PBJ-3-1	PBJ-3-1RE	PBJ-3-2	PBJ-4-1	PBJ-4-2	PBJ-4-4
LAB ID		152463	152466	152466	152550	152553	152554	152556
Semivolatiles	UNITS							
Phenol	ug/Kg	770 U	800 U		750 U	740 U	710 U	
bis(2-Chloroethyl) ether	ug/Kg	770 U	800 U		750 U	740 U	710 U	
2-Chlorophenol	ug/Kg	770 U	800 U		750 U	740 U	710 U	
1,3-Dichlorobenzene	ug/Kg	770 U	800 U		750 U	740 U	710 U	
1,4-Dichlorobenzene	ug/Kg	770 U	800 U		750 U	740 U	710 U	
Benzyl Alcohol	ug/Kg	770 U	800 U		750 U	740 U	710 U	
1,2-Dichlorobenzene	ug/Kg	770 U	600 U		750 U	740 U	710 U	
2-Methylphenol	ug/Kg	770 U	800 U		750 U	740 U	710 U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	770 U	800 U		750 U	740 U	710 U	
4-Methylphenol	ug/Kg	770 U	800 U		750 U	740 U	710 U	
N-Nitroso-di-n-propylamine	ug/Kg	770 U	800 U		750 U	740 U	710 U	
Hexachloroethane	ug/Kg	770 U	800 U		750 U	740 U	710 U	
Nitrobenzene	ug/Kg	770 U	800 U		750 U	740 U	710 U	
Isophorone	ug/Kg	770 U	800 U		750 U	740 U	710 U	
2-Nitrophenol	ug/Kg	770 U	800 U		750 U	740 U	710 U	
2,4-Dimethylphenol	ug/Kg	770 U	600 U		750 U	740 U	710 U	
Benzoic acid	ug/Kg	3800 U	3900 U		3600 U	3600 U	3400 U	
bis(2-Chloroethoxy) methane	ug/Kg	770 U	800 U		750 U	740 U	710 U	
2,4-Dichlorophenol	ug/Kg	770 U	800 U		750 U	740 U	710 U	
1,2,4-Trichlorobenzene	ug/Kg	770 U	800 U		750 U	740 U	710 U	
Naphthalene	ug/Kg	770 U	600 U		750 U	740 U	710 U	
4-Chloroaniline	ug/Kg	770 U	800 U		750 U	740 U	710 U	
Hexachlorobutadiene	ug/Kg	770 U	800 U		750 U	740 U	710 U	
4-Chloro-3-methylphenol	ug/Kg	770 U	800 U		750 U	740 U	710 U	
2-Methylnaphthalene	ug/Kg	770 U	800 U		750 U	740 U	710 U	
Hexachlorocyclopentadiene	ug/Kg	770 U	800 U		750 U	740 U	710 U	
2,4,6-Trichlorophenol	ug/Kg	770 U	600 U		750 U	740 U	710 U	
2,4,5-Trichlorophenol	ug/Kg	3800 U	3900 U		3600 U	3600 U	3400 U	
2-Chloronaphthalene	ug/Kg	770 U	800 U		750 U	740 U	710 U	
2-Nitroaniline	ug/Kg	3800 U	3900 U		3600 U	3600 U	3400 U	
Dimethylphthalate	ug/Kg	770 U	800 U		750 U	740 U	710 U	
Acenaphthylene	ug/Kg	770 U	800 U		750 U	740 U	710 U	
2,6-Dinitrotoluene	ug/Kg	770 U	800 U		750 U	740 U	710 U	
3-Nitroaniline	ug/Kg	3800 U	3900 U		3600 U	3600 U	3400 U	
Acenaphthene	ug/Kg	770 U	800 U		750 U	740 U	710 U	
2,4-Dinitrophenol	ug/Kg	3800 U	3900 U		3600 U	3600 U	3400 U	
4-Nitrophenol	ug/Kg	3800 U	3900 U		3600 U	3600 U	3400 U	
Dibenzofuran	ug/Kg	770 U	800 U		750 U	740 U	710 U	
2,4-Dinitrotoluene	ug/Kg	770 U	800 U		750 U	740 U	380 J	
Diethylphthalate	ug/Kg	770 U	800 U		750 U	740 U	710 U	
4-Chlorophenyl-phenylether	ug/Kg	770 U	800 U		750 U	740 U	710 U	
Fluorene	ug/Kg	770 U	800 U		750 U	740 U	710 U	
4-Nitroaniline	ug/Kg	3800 U	3900 U		3600 U	3600 U	3400 U	
4,6-Dinitro-2-methylphenol	ug/Kg	3800 U	3900 U		3600 U	3600 U	3400 U	
N-Nitrosodiphenylamine	ug/Kg	770 U	800 U		750 U	740 U	710 U	
4-Bromophenyl-phenylether	ug/Kg	770 U	800 U		750 U	740 U	710 U	
Hexachlorobenzene	ug/Kg	770 U	800 U		750 U	740 U	710 U	
Pentachlorophenol	ug/Kg	3600 U	3900 U		3600 U	3600 U	3400 U	
Phenanthrene	ug/Kg	770 U	800 U		750 U	69 J	710 U	
Anthracene	ug/Kg	770 U	800 U		750 U	740 U	710 U	
Carbazole	ug/Kg							
Di-n-butylphthalate	ug/Kg	770 U	800 U		750 U	740 U	710 U	
Fluoranthene	ug/Kg	770 U	800 U		750 U	90 J	710 U	
Pyrene	ug/Kg	770 U	800 U		750 U	78 J	710 U	
Butylbenzylphthalate	ug/Kg	770 U	600 U		750 U	740 U	710 U	
3,3'-Dichlorobenzidine	ug/Kg	1500 U	1600 U		1500 U	1500 U	1400 U	
Benzo(a)anthracene	ug/Kg	770 U	800 U		750 U	740 U	710 U	
Chrysene	ug/Kg	770 U	800 U		750 U	740 U	710 U	
bis(2-Ethylhexyl)phthalate	ug/Kg	110 J	800 U		750 U	140 J	710 U	
Di-n-octylphthalate	ug/Kg	770 U	800 U		750 U	740 U	710 U	
Benzo(b)fluoranthene	ug/Kg	770 U	800 U		750 U	740 U	710 U	
Benzo(k)fluoranthene	ug/Kg	770 U	800 U		750 U	740 U	710 U	
Benzo(a)pyrene	ug/Kg	770 U	800 U		750 U	740 U	710 U	
Indeno(1,2,3-cd)pyrene	ug/Kg	770 U	800 U		750 U	740 U	710 U	
Dibenz(a,h)anthracene	ug/Kg	770 U	800 U		750 U	740 U	710 U	
Benzo(g,h,i)perylene	ug/Kg	770 U	800 U		750 U	740 U	710 U	

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD J	PAD J	PAD-J	PAD-J	PAD-J	PAD J	PAD-J
	DEPTH	0-2'	0-6"	0-6"	0-2'	0-6"	0-2'	4' +
	DATE	01/14/92	01/14/92	01/14/92	01/15/92	01/15/92	01/15/92	01/15/92
	ES ID	PBJ-2-2	PBJ-3-1	PBJ-3-1RE	PBJ-3-2	PBJ-4-1	PBJ-4-2	PBJ-4-4
	LAB ID	152463	152466	152466	152550	152553	152554	152556
	UNITS							
Pesticides/PCBs								
alpha-BHC	ug/kg	19 U	19 U		18 U	18 U	17 U	
beta-BHC	ug/kg	19 U	19 U		18 U	18 U	17 U	
delta-BHC	ug/kg	19 U	19 U		18 U	18 U	17 U	
gamma-BHC (Lindane)	ug/kg	19 U	19 U		18 U	18 U	17 U	
Heptachlor	ug/kg	19 U	19 U		18 U	18 U	17 U	
Aldrin	ug/kg	19 U	19 U		18 U	18 U	17 U	
Heptachlor epoxide	ug/kg	19 U	19 U		18 U	18 U	17 U	
Endosulfan I	ug/kg	19 U	19 U		18 U	18 U	17 U	
Dieldrin	ug/kg	38 U	39 U		36 U	36 U	34 U	
4,4'-DDE	ug/kg	38 U	21 J		36 U	25 J	34 U	
Endrin	ug/kg	38 U	39 U		36 U	36 U	34 U	
Endosulfan II	ug/kg	38 U	39 U		36 U	36 U	34 U	
4,4'-DDD	ug/kg	38 U	39 U		36 U	36 U	34 U	
Endosulfan sulfate	ug/kg	38 U	39 U		36 U	36 U	34 U	
4,4'-DDT	ug/kg	38 U	39 U		36 U	36 U	34 U	
Methoxychlor	ug/kg	190 U	190 U		180 U	180 U	170 U	
Endrin ketone	ug/kg	38 U	39 U		36 U	36 U	34 U	
Endrin aldehyde	ug/kg							
alpha-Chlordane	ug/kg	190 U	190 U		180 U	180 U	170 U	
gamma-Chlordane	ug/kg	190 U	190 U		180 U	180 U	170 U	
Toxaphene	ug/kg	380 U	390 U		360 U	360 U	340 U	
Aroclor-1016	ug/kg	190 U	190 U		180 U	180 U	170 U	
Aroclor-1221	ug/kg	190 U	190 U		180 U	180 U	170 U	
Aroclor-1232	ug/kg	190 U	190 U		180 U	180 U	170 U	
Aroclor-1242	ug/kg	190 U	190 U		180 U	180 U	170 U	
Aroclor-1248	ug/kg	190 U	190 U		180 U	180 U	170 U	
Aroclor-1254	ug/kg	380 U	390 U		360 U	360 U	340 U	
Aroclor-1260	ug/kg	380 U	390 U		360 U	360 U	340 U	

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD J	PAD J	PAD-J	PAD-J	PAD-J	PAD J	PAD-J
	DEPTH	0-2'	0-6"	0-6"	0-2'	0-6"	0-2'	4' +
	DATE	01/14/92	01/14/92	01/14/92	01/15/92	01/15/92	01/15/92	01/15/92
	ES ID	PBJ-2-2	PBJ-3-1	PBJ-3-1RE	PBJ-3-2	PBJ-4-1	PBJ-4-2	PBJ-4-4
	LAB ID	152463	152466	152466	152550	152553	152554	152556
COMPOUND	UNITS							
Explosives								
HMX	ug/Kg	1000 U	1000 U		1000 U	1000 U	1000 U	
RDX	ug/Kg	120 U	120 U		120 U	120 U	120 U	
1,3,5-Trinitrobenzene	ug/Kg	120 U	120 U		120 U	120 U	120 U	
1,3-Dinitrobenzene	ug/Kg	120 U	120 U		120 U	120 U	120 U	
Tetryl	ug/Kg	400 U	400 U		400 U	400 U	400 U	
2,4,6-Trinitrotoluene	ug/Kg	120 U	120 U		120 U	120 U	120 U	
4-amino-2,6-Dinitrotoluene	ug/Kg	120 U	120 U		120 U	120 U	120 U	
2-amino-4,6-Dinitrotoluene	ug/Kg	120 U	120 U		120 U	120 U	120 U	
2,6-Dinitrotoluene	ug/Kg	120 U	120 U		120 U	120 U	120 U	
2,4-Dinitrotoluene	ug/Kg	120 U	300		120 U	88 J	130	
Metals								
Aluminum	mg/kg	21400	16800		17000	19900	20100	
Antimony	mg/kg	5.8 U J	6.1 U J		8.6 J	10.3 J	6.6 J	
Arsenic	mg/kg	4.3	4.8		7.1	8.1	5.2	
Barium	mg/kg	351 R	3470		2830	5610	707 R	
Beryllium	mg/kg	1 R	0.91 R		0.83 R	0.82 R	0.81 R	
Cadmium	mg/kg	4.1 J	4.8 J		3.8 J	6.9 J	4.5 J	
Calcium	mg/kg	19100	27200		22700 J	32300	37300	
Chromium	mg/kg	30.4 J	34.4 J		31.9 J	50.8 J	36.9 J	
Cobalt	mg/kg	15.2	11.9		11.8	16.5	17.2	
Copper	mg/kg	69.3	435		158	262	104	
Iron	mg/kg	33300	31600		31000	39200	39800	
Lead	mg/kg	115	448		29.2 R	1340	105	
Magnesium	mg/kg	7510	10200		7730	11400	9150	
Manganese	mg/kg	437	393		490	475	432	
Mercury	mg/kg	0.1 R	0.19 R		0.11 R	0.11 R	0.13 R	
Nickel	mg/kg	44.8	46.7		36.5	48	55.2	
Potassium	mg/kg	1980 J	1740 J		1730 J	2780 J	1760 J	
Selenium	mg/kg	0.21 J	0.31 J		0.12 U J	0.22 J	0.29 J	
Silver	mg/kg	0.4 J	0.65 J		0.74 J	0.61 J	0.45 J	
Sodium	mg/kg	145 J	341 J		224 J	258 J	202 J	
Thallium	mg/kg	0.63 J	0.35 J		0.59 J	0.35 J	0.48 J	
Vanadium	mg/kg	26.6 J	20.5 J		26 J	27.2 J	23.6 J	
Zinc	mg/kg	344	5790		700	1510	245	
Cyanide	mg/kg	0.7 U	0.64 U		0.52 U	0.58 U	0.62 U	

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD-J	PAD-J	PAD-J	PAD-J	PAD-J	PAD-J	PAD-J
	DEPTH	0-6"	0-6"	0-2'	0-2'	0-6"	0-6"	0-6"
	DATE	01/15/92	01/15/92	01/15/92	01/15/92	01/15/92	01/15/92	01/15/92
	ES ID	PBJ-5-1	PBJ-5-1RE	PBJ-5-2	PBJ-5-2RE	PBJ-6-1	PBJ-6-1DL	PBJ-6-1RE
	LAB ID	152557	152557	152558	152558	152560	152560	152560
COMPOUND	UNITS							
Volatile Organic Compounds								
Chloromethane	ug/Kg	12 U J	11 U J	11 U J	11 U J	12 U		12 U J
Bromomethane	ug/Kg	12 U J	11 U J	11 U J	11 U J	12 U		12 U J
Vinyl Chloride	ug/Kg	12 U J	11 U J	11 U J	11 U J	12 U		12 U J
Chloroethane	ug/Kg	12 U J	11 U J	11 U J	11 U J	12 U		12 U J
Methylene Chloride	ug/Kg	10 U J	6 U J	6 U J	9 U J	8 U		7 U J
Acetone	ug/Kg	12 U J	11 U J	11 U J	11 U J	12 U		12 U J
Carbon Disulfide	ug/Kg	6 U J	6 U J	6 U J	6 U J	6 U		6 U J
1,1-Dichloroethene	ug/Kg	6 U J	6 U J	6 U J	6 U J	6 U		6 U J
1,1-Dichloroethane	ug/Kg	6 U J	6 U J	6 U J	6 U J	6 U		6 U J
1,2-Dichloroethene (total)	ug/Kg	6 U J	6 U J	6 U J	6 U J	6 U		6 U J
Chloroform	ug/Kg	6 U J	6 U J	6 U J	6 U J	6 U		6 U J
1,2-Dichloroethane	ug/Kg	6 U J	6 U J	6 U J	6 U J	6 U		6 U J
2-Butanone	ug/Kg	12 U J	11 U J	11 U J	11 U J	12 U		12 U J
1,1,1-Trichloroethane	ug/Kg	6 U J	6 U J	6 U J	6 U J	6 U		6 U J
Carbon Tetrachloride	ug/Kg	6 U J	6 U J	6 U J	6 U J	6 U		6 U J
Vinyl Acetate	ug/Kg	12 U J	11 U J	11 U J	11 U J	12 U		12 U J
BromodiChloromethane	ug/Kg	6 U J	6 U J	6 U J	6 U J	6 U		6 U J
1,2-Dichloropropane	ug/Kg	6 U J	6 U J	6 U J	6 U J	6 U		6 U J
cis-1,3-Dichloropropene	ug/Kg	6 U J	6 U J	6 U J	6 U J	6 U		6 U J
Trichloroethene	ug/Kg	6 U J	6 U J	6 U J	6 U J	6 U		6 U J
DibromoChloromethane	ug/Kg	6 U J	6 U J	6 U J	6 U J	6 U		6 U J
1,1,2-Trichloroethane	ug/Kg	6 U J	6 U J	6 U J	6 U J	6 U		6 U J
Benzene	ug/Kg	6 U J	6 U J	6 U J	6 U J	6 U		6 U J
trans-1,3-Dichloropropene	ug/Kg	6 U J	6 U J	6 U J	6 U J	6 U		6 U J
Bromoform	ug/Kg	6 U J	6 U J	6 U J	6 U J	6 U		6 U J
4-Methyl-2-Pentanone	ug/Kg	12 U J	11 U J	11 U J	11 U J	12 U		12 U J
2-Hexanone	ug/Kg	12 U J	11 U J	11 U J	11 U J	12 U		12 U J
Tetrachloroethene	ug/Kg	6 U J	6 U J	6 U J	6 U J	6 U		6 U J
1,1,2,2-Tetrachloroethane	ug/Kg	6 U J	6 U J	6 U J	6 U J	6 U		6 U J
Toluene	ug/Kg	6 U J	6 U J	6 U J	1 J	6 U		6 U J
Chlorobenzene	ug/Kg	6 U J	6 U J	6 U J	6 U J	6 U		6 U J
Ethylbenzene	ug/Kg	6 U J	6 U J	6 U J	6 U J	6 U		6 U J
Styrene	ug/Kg	6 U J	6 U J	6 U J	6 U J	6 U		6 U J
Xylene (total)	ug/Kg	6 U J	6 U J	6 U J	6 U J	6 U		6 U J

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD-J	PAD-J	PAD-J	PAD-J	PAD-J	PAD-J	PAD-J
	DEPTH	0-6"	0-6"	0-2'	0-2'	0-6"	0-6"	0-6"
	DATE	01/15/92	01/15/92	01/15/92	01/15/92	01/15/92	01/15/92	01/15/92
	ES ID	PBJ-5-1	PBJ-5-1RE	PBJ-5-2	PBJ-5-2RE	PBJ-6-1	PBJ-6-1DL	PBJ-6-1RE
	LAB ID	152557	152557	152558	152558	152560	152560	152560
	UNITS							
Semivolatiles								
Phenol	ug/Kg	760 U		740 U		780 U		
bis(2-Chloroethyl) ether	ug/Kg	760 U		740 U		780 U		
2-Chlorophenol	ug/Kg	760 U		740 U		780 U		
1,3-Dichlorobenzene	ug/Kg	760 U		740 U		780 U		
1,4-Dichlorobenzene	ug/Kg	760 U		740 U		780 U		
Benzyl Alcohol	ug/Kg	760 U		740 U		780 U		
1,2-Dichlorobenzene	ug/Kg	760 U		740 U		780 U		
2-Methylphenol	ug/Kg	760 U		740 U		780 U		
2,2'-oxybis(1-Chloropropane)	ug/Kg	760 U		740 U		780 U		
4-Methylphenol	ug/Kg	760 U		740 U		780 U		
N-Nitroso-di-n-propylamine	ug/Kg	760 U		740 U		780 U		
Hexachloroethane	ug/Kg	760 U		740 U		780 U		
Nitrobenzene	ug/Kg	760 U		740 U		780 U		
Isophorone	ug/Kg	760 U		740 U		780 U		
2-Nitrophenol	ug/Kg	760 U		740 U		780 U		
2,4-Dimethylphenol	ug/Kg	760 U		740 U		780 U		
Benzoic acid	ug/Kg	3700 U		3600 U		3800 U		
bis(2-Chloroethoxy) methane	ug/Kg	760 U		740 U		780 U		
2,4-Dichlorophenol	ug/Kg	760 U		740 U		780 U		
1,2,4-Trichlorobenzene	ug/Kg	760 U		740 U		780 U		
Naphthalene	ug/Kg	760 U		740 U		780 U		
4-Chloroaniline	ug/Kg	760 U		740 U		780 U		
Hexachlorobutadiene	ug/Kg	760 U		740 U		780 U		
4-Chloro-3-methylphenol	ug/Kg	760 U		740 U		780 U		
2-Methylnaphthalene	ug/Kg	760 U		740 U		780 U		
Hexachlorocyclopentadiene	ug/Kg	760 U		740 U		780 U		
2,4,6-Trichlorophenol	ug/Kg	760 U		740 U		780 U		
2,4,5-Trichlorophenol	ug/Kg	3700 U		3600 U		3800 U		
2-Chloronaphthalene	ug/Kg	760 U		740 U		780 U		
2-Nitroaniline	ug/Kg	3700 U		3600 U		3800 U		
Dimethylphthalate	ug/Kg	760 U		740 U		780 U		
Acenaphthylene	ug/Kg	760 U		740 U		780 U		
2,6-Dinitrotoluene	ug/Kg	760 U		740 U		780 U		
3-Nitroaniline	ug/Kg	3700 U		3600 U		3800 U		
Acenaphthene	ug/Kg	760 U		740 U		780 U		
2,4-Dinitrophenol	ug/Kg	3700 U		3600 U		3800 U		
4-Nitrophenol	ug/Kg	3700 U		3600 U		3800 U		
Dibenzofuran	ug/Kg	760 U		740 U		780 U		
2,4-Dinitrotoluene	ug/Kg	760 U		740 U		780 U		
Diethylphthalate	ug/Kg	760 U		740 U		780 U		
4-Chlorophenyl-phenylether	ug/Kg	760 U		740 U		780 U		
Fluorene	ug/Kg	760 U		740 U		780 U		
4-Nitroaniline	ug/Kg	3700 U		3600 U		3800 U		
4,6-Dinitro-2-methylphenol	ug/Kg	3700 U		3600 U		3800 U		
N-Nitrosodiphenylamine	ug/Kg	760 U		740 U		780 U		
4-Bromophenyl-phenylether	ug/Kg	760 U		740 U		780 U		
Hexachlorobenzene	ug/Kg	760 U		740 U		780 U		
Pentachlorophenol	ug/Kg	3700 U		3600 U		3800 U		
Phenanthrene	ug/Kg	760 U		740 U		780 U		
Anthracene	ug/Kg	760 U		740 U		780 U		
Carbazole	ug/Kg							
Di-n-butylphthalate	ug/Kg	760 U		740 U		780 U		
Fluoranthene	ug/Kg	760 U		740 U		780 U		
Pyrene	ug/Kg	760 U		740 U		780 U		
Butylbenzylphthalate	ug/Kg	760 U		740 U		780 U		
3,3'-Dichlorobenzidine	ug/Kg	1500 U		1500 U		1600 U		
Benzo(a)anthracene	ug/Kg	760 U		740 U		780 U		
Chrysene	ug/Kg	760 U		740 U		780 U		
bis(2-Ethylhexyl)phthalate	ug/Kg	760 U		740 U		780 U		
Di-n-octylphthalate	ug/Kg	760 U		740 U		780 U		
Benzo(b)fluoranthene	ug/Kg	760 U		740 U		780 U		
Benzo(k)fluoranthene	ug/Kg	760 U		740 U		780 U		
Benzo(a)pyrene	ug/Kg	760 U		740 U		780 U		
Indeno(1,2,3-cd)pyrene	ug/Kg	760 U		740 U		780 U		
Dibenz(a,h)anthracene	ug/Kg	760 U		740 U		780 U		
Benzo(g,h,i)perylene	ug/Kg	760 U		740 U		780 U		

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD-J	PAD-J	PAD-J	PAD-J	PAD-J	PAD-J	PAD-J
	DEPTH	0-6"	0-6"	0-2'	0-2'	0-6"	0-6"	0-6"
	DATE	01/15/92	01/15/92	01/15/92	01/15/92	01/15/92	01/15/92	01/15/92
	ES ID	PBJ-5-1	PBJ-5-1RE	PBJ-5-2	PBJ-5-2RE	PBJ-6-1	PBJ-6-1DL	PBJ-6-1RE
	LAB ID	152557	152557	152558	152558	152560	152560	152560
COMPOUND	UNITS							
Pesticides/PCBs								
alpha-BHC	ug/kg	18 U		18 U		19 U	57 U R	
beta-BHC	ug/kg	18 U		18 U		19 U	57 U R	
delta-BHC	ug/kg	18 U		18 U		19 U	57 U R	
gamma-BHC (Lindane)	ug/kg	18 U		18 U		19 U	57 U R	
Heptachlor	ug/kg	18 U		18 U		19 U	57 U R	
Aldrin	ug/kg	18 U		18 U		19 U	57 U R	
Heptachlor epoxide	ug/kg	18 U		18 U		19 U	57 U R	
Endosulfan I	ug/kg	18 U		18 U		19 U	57 U R	
Dieldrin	ug/kg	37 U		36 U		38 U	110 U R	
4,4'-DDE	ug/kg	18 J		36 U		97 R	79 J	
Endrin	ug/kg	37 U		36 U		38 U	110 U R	
Endosulfan II	ug/kg	37 U		36 U		38 U	110 U R	
4,4'-DDD	ug/kg	37 U		36 U		38 U	110 U R	
Endosulfan sulfate	ug/kg	37 U		36 U		38 U	110 U R	
4,4'-DDT	ug/kg	37 U		36 U		23 J	110 U R	
Methoxychlor	ug/kg	180 U		180 U		190 U	570 U R	
Endrin ketone	ug/kg	37 U		36 U		38 U	110 U R	
Endrin aldehyde	ug/kg							
alpha-Chlordane	ug/kg	180 U		180 U		190 U	570 U R	
gamma-Chlordane	ug/kg	180 U		180 U		190 U	570 U R	
Toxaphene	ug/kg	370 U		360 U		380 U	1100 U R	
Aroclor-1016	ug/kg	180 U		180 U		190 U	570 U R	
Aroclor-1221	ug/kg	180 U		180 U		190 U	570 U R	
Aroclor-1232	ug/kg	180 U		180 U		190 U	570 U R	
Aroclor-1242	ug/kg	180 U		180 U		190 U	570 U R	
Aroclor-1248	ug/kg	180 U		180 U		190 U	570 U R	
Aroclor-1254	ug/kg	370 U		360 U		380 U	1100 U R	
Aroclor-1260	ug/kg	370 U		360 U		380 U	1100 U R	

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD-J	PAD-J	PAD-J	PAD-J	PAD-J	PAD-J	PAD-J
	DEPTH	0-6"	0-6"	0-2'	0-2'	0-6"	0-6"	0-6"
	DATE	01/15/92	01/15/92	01/15/92	01/15/92	01/15/92	01/15/92	01/15/92
	ES ID	PBJ-5-1	PBJ-5-1RE	PBJ-5-2	PBJ-5-2RE	PBJ-6-1	PBJ-6-1DL	PBJ-6-1RE
	LAB ID	152557	152557	152558	152558	152560	152560	152560
COMPOUND	UNITS							
Explosives								
HMX	ug/Kg	1000 U		1000 U		1000 U		
RDX	ug/Kg	120 U		120 U		270 J		
1,3,5-Trinitrobenzene	ug/Kg	120 U		120 U		120		
1,3-Dinitrobenzene	ug/Kg	120 U		120 U		120 U		
Tetryl	ug/Kg	400 U		400 U		400 U		
2,4,6-Trinitrotoluene	ug/Kg	120 U		120 U		120 U		
4-amino-2,6-Dinitrotoluene	ug/Kg	120 U		120 U		120 U		
2-amino-4,6-Dinitrotduene	ug/Kg	120 U		120 U		120 U		
2,6-Dinitrotoluene	ug/Kg	120 U		120 U		120 U		
2,4-Dinitrotoluene	ug/Kg	210		330		77 J		
Metals								
Aluminum	mg/kg	18800		16500		20700		
Antimony	mg/kg	15.3 J		6.4 J		5.7 U J		
Arsenic	mg/kg	7.7		6.7		4.5		
Barium	mg/kg	5650		2270		5180		
Beryllium	mg/kg	0.74 R		0.8 R		0.85 R		
Cadmium	mg/kg	10 J		4.9 J		6.9 J		
Calcium	mg/kg	32800		34900		37800		
Chromium	mg/kg	39.8 J		35.6 J		38.2 J		
Cobalt	mg/kg	13.7		13.9		13.8		
Copper	mg/kg	520		235		6560		
Iron	mg/kg	33800		33900		37400		
Lead	mg/kg	1840		530		117		
Magnesium	mg/kg	12600		9580		12700		
Manganese	mg/kg	464		419		445		
Mercury	mg/kg	0.07 R		0.11 R		0.19 R		
Nickel	mg/kg	46		50.1		55.5		
Potassium	mg/kg	2160 J		2070 J		2190 J		
Selenium	mg/kg	0.25 J		0.39 J		0.42 J		
Silver	mg/kg	0.89 J		0.62 J		1.2		
Sodium	mg/kg	376 J		296 J		189 J		
Thallium	mg/kg	0.54 J		38 J		0.39 U		
Vanadium	mg/kg	24.6 J		23.9 J		27.1 J		
Zinc	mg/kg	2160		985		2100		
Cyanide	mg/kg	0.65 U		0.6 U		0.64 U		

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD-J	PAD-J	PAD-J	PAD-J	PAD-J	PAD-J	PAD-J
	DEPTH	0-2'	0-2'	0-6"	0-6"	0-2'	0-2'	0-6"
	DATE	01/15/92	01/15/92	01/17/92	01/17/92	01/17/92	01/17/92	01/17/92
	ES ID	PBJ-6-2	PBJ-6-2RE	PBJ-7-1	PBJ-7-1RE	PBJ-7-2	PBJ-7-2RE	PBJ-8-1
	LAB ID	152561	152561	152672	152672	152673	152673	152677
	UNITS							
Volatile Organic Compounds								
Chloromethane	ug/Kg	11 U J	11 U J	11 U J	11 U J	11 U J	11 U J	13 U
Bromomethane	ug/Kg	11 U J	11 U J	11 U J	11 U J	11 U J	11 U J	13 U
Vinyl Chloride	ug/Kg	11 U J	11 U J	11 U J	11 U J	11 U J	11 U J	13 U
Chloroethane	ug/Kg	11 U J	11 U J	11 U J	11 U J	11 U J	11 U J	13 U
Methylene Chloride	ug/Kg	9 U J	9 U J	5 U J	7 U J	10 U J	10 U J	7 U
Acetone	ug/Kg	11 U J	11 U J	11 U J	11 U J	20 U J	16 U J	13 U
Carbon Disulfide	ug/Kg	5 U J	5 U J	5 U J	6 U J	5 U J	5 U J	7 U
1,1-Dichloroethene	ug/Kg	5 U J	5 U J	5 U J	6 U J	5 U J	5 U J	7 U
1,1-Dichloroethane	ug/Kg	5 U J	5 U J	5 U J	6 U J	5 U J	5 U J	7 U
1,2-Dichloroethene (total)	ug/Kg	5 U J	5 U J	5 U J	6 U J	5 U J	5 U J	7 U
Chloroform	ug/Kg	3 J	5 U J	5 U J	6 U J	5 U J	7	7 U
1,2-Dichloroethane	ug/Kg	5 U J	5 U J	5 U J	6 U J	5 U J	5 U J	7 U
2-Butanone	ug/Kg	11 U J	11 U J	11 U J	11 U J	11 U J	11 U J	13 U
1,1,1-Trichloroethane	ug/Kg	5 U J	5 U J	5 U J	6 U J	5 U J	5 U J	7 U
Carbon Tetrachloride	ug/Kg	4 J	2 J	5 U J	6 U J	5 U J	5 U J	7 U
Vinyl Acetate	ug/Kg	11 U J	11 U J	11 U J	11 U J	11 U J	11 U J	13 U
Bromodichloromethane	ug/Kg	5 U J	5 U J	5 U J	6 U J	5 U J	5 U J	7 U
1,2-Dichloropropane	ug/Kg	5 U J	5 U J	5 U J	6 U J	5 U J	5 U J	7 U
cis-1,3-Dichloropropene	ug/Kg	5 U J	5 U J	5 U J	6 U J	5 U J	5 U J	7 U
Trichloroethene	ug/Kg	7	4 J	5 U J	6 U J	5 U J	5 U J	7 U
Dibromochloromethane	ug/Kg	5 U J	5 U J	5 U J	6 U J	5 U J	5 U J	7 U
1,1,2-Trichloroethane	ug/Kg	5 U J	5 U J	5 U J	6 U J	5 U J	5 U J	7 U
Benzene	ug/Kg	5 U J	5 U J	5 U J	6 U J	5 U J	5 U J	7 U
trans-1,3-Dichloropropene	ug/Kg	5 U J	5 U J	5 U J	6 U J	5 U J	5 U J	7 U
Bromoform	ug/Kg	5 U J	5 U J	5 U J	6 U J	5 U J	5 U J	7 U
4-Methyl-2-Pentanone	ug/Kg	11 U J	11 U J	11 U J	11 U J	11 U J	11 U J	13 U
2-Hexanone	ug/Kg	11 U J	11 U J	11 U J	11 U J	11 U J	11 U J	13 U
Tetrachloroethene	ug/Kg	5 U J	5 U J	5 U J	6 U J	5 U J	5 U J	7 U
1,1,2,2-Tetrachloroethane	ug/Kg	5 U J	5 U J	5 U J	6 U J	5 U J	5 U J	7 U
Toluene	ug/Kg	5 U J	5 U J	5 U J	6 U J	3 J	2 J	7 U
Chlorobenzene	ug/Kg	5 U J	5 U J	5 U J	6 U J	5 U J	5 U J	7 U
Ethylbenzene	ug/Kg	5 U J	5 U J	5 U J	6 U J	5 U J	5 U J	7 U
Styrene	ug/Kg	5 U J	5 U J	5 U J	6 U J	5 U J	5 U J	7 U
Xylene (total)	ug/Kg	5 U J	5 U J	5 U J	6 U J	3 J	5 U J	7 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD-J	PAD-J	PAD-J	PAD-J	PAD-J	PAD-J	PAD-J
	DEPTH	0-2'	0-2'	0-6"	0-6"	0-2'	0-2'	0-6"
	DATE	01/15/92	01/15/92	01/17/92	01/17/92	01/17/92	01/17/92	01/17/92
	ES ID	PBJ-6-2	PBJ-6-2RE	PBJ-7-1	PBJ-7-1RE	PBJ-7-2	PBJ-7-2RE	PBJ-8-1
	LAB ID	152561	152561	152672	152672	152673	152673	152677
COMPOUND	UNITS							
Semivolatiles								
Phenol	ug/Kg	720 U		750 U		700 U		870 U
bis(2-Chloroethyl) ether	ug/Kg	720 U		750 U		700 U		870 U
2-Chlorophenol	ug/Kg	720 U		750 U		700 U		870 U
1,3-Dichlorobenzene	ug/Kg	720 U		750 U		700 U		870 U
1,4-Dichlorobenzene	ug/Kg	720 U		750 U		700 U		870 U
Benzyl Alcohol	ug/Kg	720 U		750 U		700 U		870 U
1,2-Dichlorobenzene	ug/Kg	720 U		750 U		700 U		870 U
2-Methylphenol	ug/Kg	720 U		750 U		700 U		870 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	720 U		750 U		700 U		870 U
4-Methylphenol	ug/Kg	720 U		750 U		700 U		870 U
N-Nitroso-di-n-propylamine	ug/Kg	720 U		750 U		700 U		870 U
Hexachloroethane	ug/Kg	720 U		750 U		700 U		870 U
Nitrobenzene	ug/Kg	720 U		750 U		700 U		870 U
Isophorone	ug/Kg	720 U		750 U		700 U		870 U
2-Nitrophenol	ug/Kg	720 U		750 U		700 U		870 U
2,4-Dimethylphenol	ug/Kg	720 U		750 U		700 U		870 U
Benzoic acid	ug/Kg	3500 U		3600 U		3400 U		4200 U
bis(2-Chloroethoxy) methane	ug/Kg	720 U		750 U		700 U		870 U
2,4-Dichlorophenol	ug/Kg	720 U		750 U		700 U		870 U
1,2,4-Trichlorobenzene	ug/Kg	720 U		750 U		700 U		870 U
Naphthalene	ug/Kg	720 U		750 U		700 U		870 U
4-Chloroaniline	ug/Kg	720 U		750 U		700 U		870 U
Hexachlorobutadiene	ug/Kg	720 U		750 U		700 U		870 U
4-Chloro-3-methylphenol	ug/Kg	720 U		750 U		700 U		870 U
2-Methylnaphthalene	ug/Kg	720 U		750 U		700 U		870 U
Hexachlorocyclopentadiene	ug/Kg	720 U		750 U		700 U		870 U
2,4,6-Trichlorophenol	ug/Kg	720 U		750 U		700 U		870 U
2,4,5-Trichlorophenol	ug/Kg	3500 U		3600 U		3400 U		4200 U
2-Chloronaphthalene	ug/Kg	720 U		750 U		700 U		870 U
2-Nitroaniline	ug/Kg	3500 U		3600 U		3400 U		4200 U
Dimethylphthalate	ug/Kg	720 U		750 U		700 U		870 U
Acenaphthylene	ug/Kg	720 U		750 U		700 U		870 U
2,6-Dinitrotoluene	ug/Kg	720 U		750 U		700 U		870 U
3-Nitroaniline	ug/Kg	3500 U		3600 U		3400 U		4200 U
Acenaphthene	ug/Kg	720 U		750 U		700 U		870 U
2,4-Dinitrophenol	ug/Kg	3500 U		3600 U		3400 U		4200 U
4-Nitrophenol	ug/Kg	3500 U		3600 U		3400 U		4200 U
Dibenzofuran	ug/Kg	720 U		750 U		700 U		870 U
2,4-Dinitrotoluene	ug/Kg	720 U		750 U		700 U		870 U
Diethylphthalate	ug/Kg	720 U		750 U		700 U		870 U
4-Chlorophenyl-phenylether	ug/Kg	720 U		750 U		700 U		870 U
Fluorene	ug/Kg	720 U		750 U		700 U		870 U
4-Nitroaniline	ug/Kg	3500 U		3600 U		3400 U		4200 U
4,6-Dinitro-2-methylphenol	ug/Kg	3500 U		3600 U		3400 U		4200 U
N-Nitrosodiphenylamine	ug/Kg	720 U		750 U		700 U		870 U
4-Bromophenyl-phenylether	ug/Kg	720 U		750 U		700 U		870 U
Hexachlorobenzene	ug/Kg	720 U		750 U		700 U		870 U
Pentachlorophenol	ug/Kg	3500 U		3600 U		3400 U		4200 U
Phenanthrene	ug/Kg	270 J		750 U		700 U		870 U
Anthracene	ug/Kg	720 U		750 U		700 U		870 U
Carbazole	ug/Kg							
Di-n-butylphthalate	ug/Kg	720 U		750 U		700 U		870 U
Fluoranthene	ug/Kg	330 J		750 U		700 U		870 U
Pyrene	ug/Kg	230 J		750 U		700 U		870 U
Butylbenzylphthalate	ug/Kg	720 U		750 U		700 U		870 U
3,3'-Dichlorobenzidine	ug/Kg	1400 U		1500 U		1400 U		1700 U
Benzo(a)anthracene	ug/Kg	86 J		750 U		700 U		870 U
Chrysene	ug/Kg	120 J		750 U		700 U		870 U
bis(2-Ethylhexyl)phthalate	ug/Kg	130 J		120 J		1100		190 J
Di-n-octylphthalate	ug/Kg	720 U		750 U		700 U		870 U
Benzo(b)fluoranthene	ug/Kg	81 J		750 U		700 U		870 U
Benzo(k)fluoranthene	ug/Kg	96 J		750 U		700 U		870 U
Benzo(a)pyrene	ug/Kg	76 J		750 U		700 U		870 U
Indeno(1,2,3-cd)pyrene	ug/Kg	720 U		750 U		700 U		870 U
Dibenz(a,h)anthracene	ug/Kg	720 U		750 U		700 U		870 U
Benzo(g,h,i)perylene	ug/Kg	720 U		750 U		700 U		870 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD-J	PAD-J	PAD-J	PAD-J	PAD-J	PAD-J	PAD-J
	DEPTH	0-2'	0-2'	0-6"	0-6"	0-2'	0-2'	0-6"
	DATE	01/15/92	01/15/92	01/17/92	01/17/92	01/17/92	01/17/92	01/17/92
	ES ID	PBJ-6-2	PBJ-6-2RE	PBJ-7-1	PBJ-7-1RE	PBJ-7-2	PBJ-7-2RE	PBJ-8-1
	LAB ID	152561	152561	152672	152672	152673	152673	152677
	UNITS							
Pesticides/PCBs								
alpha-BHC	ug/kg	17 U		18 U		17 U		21 U
beta-BHC	ug/kg	17 U		18 U		17 U		21 U
delta-BHC	ug/kg	17 U		18 U		17 U		21 U
gamma-BHC (Lindane)	ug/kg	17 U		18 U		17 U		21 U
Heptachlor	ug/kg	17 U		18 U		17 U		21 U
Aldrin	ug/kg	17 U		18 U		17 U		21 U
Heptachlor epoxide	ug/kg	17 U		18 U		17 U		21 U
Endosulfan I	ug/kg	17 U		18 U		17 U		21 U
Dieldrin	ug/kg	35 U		36 U		34 U		42 U
4,4'-DDE	ug/kg	19 J		36 U		34 U		42 U
Endrin	ug/kg	35 U		36 U		34 U		41 J
Endosulfan II	ug/kg	35 U		36 U		34 U		42 U
4,4'-DDD	ug/kg	35 U		36 U		34 U		42 U
Endosulfan sulfate	ug/kg	35 U		36 U		34 U		42 U
4,4'-DDT	ug/kg	35 U		36 U		34 U		42 U
Methoxychlor	ug/kg	170 U		180 U		170 U		210 U
Endrin ketone	ug/kg	35 U		36 U		34 U		42 U
Endrin aldehyde	ug/kg							
alpha-Chlordane	ug/kg	170 U		180 U		170 U		210 U
gamma-Chlordane	ug/kg	170 U		180 U		170 U		210 U
Toxaphene	ug/kg	350 U		360 U		340 U		420 U
Aroclor-1016	ug/kg	170 U		180 U		170 U		210 U
Aroclor-1221	ug/kg	170 U		180 U		170 U		210 U
Aroclor-1232	ug/kg	170 U		180 U		170 U		210 U
Aroclor-1242	ug/kg	170 U		180 U		170 U		210 U
Aroclor-1248	ug/kg	170 U		180 U		170 U		210 U
Aroclor-1254	ug/kg	350 U		360 U		340 U		420 U
Aroclor-1260	ug/kg	350 U		360 U		340 U		420 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD-J	PAD-J	PAD-J	PAD-J	PAD-J	PAD-J	PAD-J
	DEPTH	0-2'	0-2'	0-6"	0-6"	0-2'	0-2'	0-6"
	DATE	01/15/92	01/15/92	01/17/92	01/17/92	01/17/92	01/17/92	01/17/92
	ES ID	PBJ-6-2	PBJ-6-2RE	PBJ-7-1	PBJ-7-1RE	PBJ-7-2	PBJ-7-2RE	PBJ-8-1
	LAB ID	152561	152561	152672	152672	152673	152673	152677
	UNITS							
Explosives								
HMX	ug/Kg	1000 U		1000 U J		1000 U		1000 U J
RDX	ug/Kg	120 U		120 U J		120 U		120 U J
1,3,5-Trinitrobenzene	ug/Kg	120 U		120 U J		120 U		120 U J
1,3-Dinitrobenzene	ug/Kg	120 U		120 U J		120 U		120 U J
Tetryl	ug/Kg	400 U		400 U J		400 U		400 U J
2,4,6-Trinitrotoluene	ug/Kg	120 U		120 U J		120 U		120 U J
4-amino-2,6-Dinitrotoluene	ug/Kg	120 U		120 U J		120 U		120 U J
2-amino-4,6-Dinitrotoluene	ug/Kg	120 U		120 U J		120 U		120 U J
2,6-Dinitrotoluene	ug/Kg	120 U		120 U J		120 U		120 U J
2,4-Dinitrotoluene	ug/Kg	140		120 U J		120 U		71 J
Metals								
Aluminum	mg/kg	14200		21900 J		17900 J		15700 J
Antimony	mg/kg	5.6 U J		10.3 J		5.7 U J		8.7 J
Arsenic	mg/kg	3.8		5.6		5.1		4.7
Barium	mg/kg	785 R		10300 J		6130 J		7010 J
Beryllium	mg/kg	0.73 R		0.78		0.64		0.66
Cadmium	mg/kg	3.8 J		4.5		3.9		7
Calcium	mg/kg	32200		31000 J		28500 J		29800 J
Chromium	mg/kg	27.1 J		32.1 J		27.8 J		28.9 J
Cobalt	mg/kg	12.5		9.4		10.4		7.7
Copper	mg/kg	64.9		182		108 J		155
Iron	mg/kg	33400		31400		29800		25500
Lead	mg/kg	74.3 R		1370		453		317
Magnesium	mg/kg	7730		16600 J		13600 J		7970 J
Manganese	mg/kg	376		536		423		533
Mercury	mg/kg	0.15 R		0.02 J		0.02 J		0.33
Nickel	mg/kg	45.4		47.6		46.9		31.4
Potassium	mg/kg	1490 J		1910		1360		1470
Selenium	mg/kg	0.29 J		0.98 U J		0.2 J		0.21 U J
Silver	mg/kg	0.36 U		0.98 U		0.93 U		1.2 U
Sodium	mg/kg	106 J		157 J		89.3 J		41.4 U
Thallium	mg/kg	0.81 J		0.47 U		0.45 U		0.5 U
Vanadium	mg/kg	19.1 J		21		17.3		19
Zinc	mg/kg	262		2170 J		3180 J		1840 J
Cyanide	mg/kg	0.63 U		0.68 U		0.64 U		0.63 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD-J	OB	OB	OB	OB
	DEPTH	0-2'	0-2	2-4	0-2	4-5
	DATE	01/17/92	01/13/93	01/13/93	01/12/93	01/12/93
	ES ID	PBJ-8-2	PBJ-9-1	PBJ-9-2	PBJ-10-1	PBJ-10-3
	LAB ID	152678	177264	177265	177200	177202
	UNITS					
Volatile Organic Compounds						
Chloromethane	ug/Kg	12 U	12 U	12 U	12 U	11 U
Bromomethane	ug/Kg	12 U	12 U	12 U	12 U	11 U
Vinyl Chloride	ug/Kg	12 U	12 U	12 U	12 U	11 U
Chloroethane	ug/Kg	12 U	12 U	12 U	12 U	11 U
Methylene Chloride	ug/Kg	10 U	12 U	12 U	12 U	11 U
Acetone	ug/Kg	12 U	12 U	12 U	12 U	11 U
Carbon Disulfide	ug/Kg	6 U	12 U	12 U	12 U	11 U
1,1-Dichloroethene	ug/Kg	6 U	12 U	12 U	12 U	11 U
1,1-Dichloroethane	ug/Kg	6 U	12 U	12 U	12 U	11 U
1,2-Dichloroethene (total)	ug/Kg	6 U	12 U	12 U	12 U	11 U
Chloroform	ug/Kg	6 U	12 U	12 U	12 U	11 U
1,2-Dichloroethane	ug/Kg	6 U	12 U	12 U	12 U	11 U
2-Butanone	ug/Kg	12 U	12 U	12 U	12 U	11 U
1,1,1-Trichloroethane	ug/Kg	6 U	12 U	12 U	12 U	11 U
Carbon Tetrachloride	ug/Kg	6 U	12 U	12 U	12 U	11 U
Vinyl Acetate	ug/Kg	12 U				
Bromodichloromethane	ug/Kg	6 U	12 U	12 U	12 U	11 U
1,2-Dichloropropane	ug/Kg	6 U	12 U	12 U	12 U	11 U
cis-1,3-Dichloropropene	ug/Kg	6 U	12 U	12 U	12 U	11 U
Trichloroethene	ug/Kg	6 U	12 U	12 U	12 U	11 U
Dibromochloromethane	ug/Kg	6 U	12 U	12 U	12 U	11 U
1,1,2-Trichloroethane	ug/Kg	6 U	12 U	12 U	12 U	11 U
Benzene	ug/Kg	6 U	12 U	12 U	12 U	11 U
trans-1,3-Dichloropropene	ug/Kg	6 U	12 U	12 U	12 U	11 U
Bromoform	ug/Kg	6 U	12 U	12 U	12 U	11 U
4-Methyl-2-Pentanone	ug/Kg	12 U	12 U	12 U	12 U	11 U
2-Hexanone	ug/Kg	12 U	12 U	12 U	12 U	11 U
Tetrachloroethene	ug/Kg	6 U	12 U	12 U	12 U	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	6 U	12 U	12 U	12 U	11 U
Toluene	ug/Kg	6 U	12 U	3 J	12 U	11 U
Chlorobenzene	ug/Kg	6 U	12 U	12 U	12 U	11 U
Ethylbenzene	ug/Kg	6 U	12 U	12 U	12 U	11 U
Styrene	ug/Kg	6 U	12 U	12 U	12 U	11 U
Xylene (total)	ug/Kg	6 U	12 U	12 U	12 U	11 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD-J	OB	OB	OB	OB
	DEPTH	0-2'	0-2	2-4	0-2	4-5
	DATE	01/17/92	01/13/93	01/13/93	01/12/93	01/12/93
	ES ID	PBJ-8-2	PBJ-9-1	PBJ-9-2	PBJ-10-1	PBJ-10-3
	LAB ID	152678	177264	177265	177200	177202
COMPOUND	UNITS					
Semivolatiles						
Phenol	ug/Kg	800 U	390 U	360 U		380 U
bis(2-Chloroethyl) ether	ug/Kg	800 U	390 U	360 U		380 U
2-Chlorophenol	ug/Kg	800 U	390 U	360 U		380 U
1,3-Dichlorobenzene	ug/Kg	800 U	390 U	360 U		380 U
1,4-Dichlorobenzene	ug/Kg	800 U	390 U	360 U		380 U
Benzyl Alcohol	ug/Kg	800 U				
1,2-Dichlorobenzene	ug/Kg	800 U	390 U	360 U		380 U
2-Methylphenol	ug/Kg	800 U	390 U	360 U		380 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	800 U	390 U	360 U		380 U
4-Methylphenol	ug/Kg	800 U	390 U	360 U		380 U
N-Nitroso-di-n-propylamine	ug/Kg	800 U	390 U	360 U		380 U
Hexachloroethane	ug/Kg	800 U	390 U	360 U		380 U
Nitrobenzene	ug/Kg	800 U	390 U	360 U		380 U
Isophorone	ug/Kg	800 U	390 U	360 U		380 U
2-Nitrophenol	ug/Kg	800 U	390 U	360 U		380 U
2,4-Dimethylphenol	ug/Kg	800 U	390 U	360 U		380 U
Benzoic acid	ug/Kg	3900 U				
bis(2-Chloroethoxy) methane	ug/Kg	800 U	390 U	360 U		380 U
2,4-Dichlorophenol	ug/Kg	800 U	390 U	360 U		380 U
1,2,4-Trichlorobenzene	ug/Kg	800 U	390 U	360 U		380 U
Naphthalene	ug/Kg	800 U	390 U	360 U		380 U
4-Chloroaniline	ug/Kg	800 U	390 U	360 U		380 U
Hexachlorobutadiene	ug/Kg	800 U	390 U	360 U		380 U
4-Chloro-3-methylphenol	ug/Kg	800 U	390 U	360 U		380 U
2-Methylnaphthalene	ug/Kg	800 U	390 U	360 U		380 U
Hexachlorocyclopentadiene	ug/Kg	800 U	390 U	360 U		380 U
2,4,6-Trichlorophenol	ug/Kg	800 U	390 U	360 U		380 U
2,4,5-Trichlorophenol	ug/Kg	3900 U	950 U	870 U		930 U
2-Chloronaphthalene	ug/Kg	800 U	390 U	360 U		380 U
2-Nitroaniline	ug/Kg	3900 U	950 U	870 U		930 U
Dimethylphthalate	ug/Kg	800 U	390 U	360 U		380 U
Acenaphthylene	ug/Kg	800 U	390 U	360 U		380 U
2,6-Dinitrotoluene	ug/Kg	800 U	390 U	360 U		380 U
3-Nitroaniline	ug/Kg	3900 U	950 U	870 U		930 U
Acenaphthene	ug/Kg	800 U	390 U	360 U		380 U
2,4-Dinitrophenol	ug/Kg	3900 U	950 U	870 U	1000 U	930 U
4-Nitrophenol	ug/Kg	3900 U	950 U	870 U	1000 U	930 U
Dibenzofuran	ug/Kg	800 U	390 U	360 U	420 U	380 U
2,4-Dinitrotoluene	ug/Kg	800 U	390 U	360 U	420 U	380 U
Diethylphthalate	ug/Kg	800 U	390 U	360 U	24 J	18 J
4-Chlorophenyl-phenylether	ug/Kg	800 U	390 U	360 U	420 U	380 U
Fluorene	ug/Kg	800 U	390 U	360 U	420 U	380 U
4-Nitroaniline	ug/Kg	3900 U	950 U	870 U	1000 U	930 U
4,6-Dinitro-2-methylphenol	ug/Kg	3900 U	950 U	870 U	1000 U	930 U
N-Nitrosodiphenylamine	ug/Kg	800 U	390 U	360 U	420 U	380 U
4-Bromophenyl-phenylether	ug/Kg	800 U	390 U	360 U	420 U	380 U
Hexachlorobenzene	ug/Kg	800 U	390 U	360 U	420 U	380 U
Pentachlorophenol	ug/Kg	3900 U	950 U	870 U	1000 U	930 U
Phenanthrene	ug/Kg	800 U	390 U	360 U	420 U	380 U
Anthracene	ug/Kg	800 U	390 U	360 U	420 U	380 U
Carbazole	ug/Kg		390 U	360 U	420 U	380 U
Di-n-butylphthalate	ug/Kg	800 U	390 U	360 U	420 U	380 U
Fluoranthene	ug/Kg	800 U	390 U	360 U	420 U	380 U
Pyrene	ug/Kg	800 U	390 U	360 U	420 U	380 U
Butylbenzylphthalate	ug/Kg	800 U	390 U	360 U	420 U	380 U
3,3'-Dichlorobenzidine	ug/Kg	1600 U	390 U	360 U	420 U	380 U
Benzo(a)anthracene	ug/Kg	800 U	390 U	360 U	420 U	380 U
Chrysene	ug/Kg	800 U	390 U	360 U	420 U	380 U
bis(2-Ethylhexyl)phthalate	ug/Kg	430 J	530	360 U	420 U	380 U
Di-n-octylphthalate	ug/Kg	800 U	390 U	360 U	420 U	380 U
Benzo(b)fluoranthene	ug/Kg	800 U	390 U	360 U	420 U	380 U
Benzo(k)fluoranthene	ug/Kg	800 U	390 U	360 U	420 U	380 U
Benzo(a)pyrene	ug/Kg	800 U	390 U	360 U	420 U	380 U
Indeno(1,2,3-cd)pyrene	ug/Kg	800 U	390 U	360 U	420 U	380 U
Dibenz(a,h)anthracene	ug/Kg	800 U	390 U	360 U	420 U	380 U
Benzo(g,h,i)perylene	ug/Kg	800 U	390 U	360 U	420 U	380 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD-J	OB	OB	OB	OB
	DEPTH	0-2'	0-2	2-4	0-2	4-5
	DATE	01/17/92	01/13/93	01/13/93	01/12/93	01/12/93
	ES ID	PBJ-6-2	PBJ-9-1	PBJ-9-2	PBJ-10-1	PBJ-10-3
	LAB ID	152678	177264	177265	177200	177202
COMPOUND	UNITS					
Pesticides/PCBs						
alpha-BHC	ug/kg	19 U	2 U	1.9 U	2.1 U	2 U
beta-BHC	ug/kg	19 U	2 U	1.9 U	2.1 U	2 U
delta-BHC	ug/kg	19 U	2 U	1.9 U	2.1 U	2 U
gamma-BHC (Lindane)	ug/kg	19 U	2 U	1.9 U	2.1 U	2 U
Heptachlor	ug/kg	19 U	2 U	1.9 U	2.1 U	2 U
Aldrin	ug/kg	19 U	2 U	1.9 U	2.1 U	2 U
Heptachlor epoxide	ug/kg	19 U	2 U	1.9 U	2.1 U	2 U
Endosulfan I	ug/kg	19 U	2 U	1.9 U	2.1 U	2 U
Dieldrin	ug/kg	39 U	3.9 U	3.6 U	4.2 U	3.8 U
4,4'-DDE	ug/kg	39 U	6.1	3.6 U	4.2 U	2.9 J
Endrin	ug/kg	39 U	3.9 U	3.6 U	4.2 U	3.8 U
Endosulfan II	ug/kg	39 U	3.9 U	3.6 U	4.2 U	3.8 U
4,4'-DDD	ug/kg	39 U	3.9 U	3.6 U	4.2 U	3.8 U
Endosulfan sulfate	ug/kg	39 U	3.9 U	3.6 U	4.2 U	3.8 U
4,4'-DDT	ug/kg	39 U	2.8 J	3.6 U	4.2 U	3.8 U
Methoxychlor	ug/kg	190 U	20 U	19 U	21 U	20 U
Endrin ketone	ug/kg	39 U	3.9 U	3.6 U	4.2 U	3.8 U
Endrin aldehyde	ug/kg		3.9 U	3.6 U	4.2 U	3.8 U
alpha-Chlordane	ug/kg	190 U	2 U	1.9 U	2.1 U	2 U
gamma-Chlordane	ug/kg	190 U	2 U	1.9 U	2.1 U	2 U
Toxaphene	ug/kg	390 U	200 U	190 U	210 U	200 U
Aroclor-1016	ug/kg	190 U	39 U	36 U	42 U	38 U
Aroclor-1221	ug/kg	190 U	60 U	74 U	85 U	77 U
Aroclor-1232	ug/kg	190 U	39 U	36 U	42 U	38 U
Aroclor-1242	ug/kg	190 U	39 U	36 U	42 U	38 U
Aroclor-1248	ug/kg	190 U	39 U	36 U	42 U	38 U
Aroclor-1254	ug/kg	390 U	39 U	36 U	42 U	38 U
Aroclor-1260	ug/kg	390 U	39 U	36 U	42 U	38 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD-J	OB	OB	OB	OB
	DEPTH	0-2'	0-2	2-4	0-2	4-5
	DATE	01/17/92	01/13/93	01/13/93	01/12/93	01/12/93
	ES ID	PBJ-8-2	PBJ-9-1	PBJ-9-2	PBJ-10-1	PBJ-10-3
	LAB ID	152678	177264	177265	177200	177202
COMPOUND	UNITS					
Explosives						
HMX	ug/Kg	1000 U	120 U	120 U	120 U	120 U
RDX	ug/Kg	120 U	120 U	120 U	120 U	120 U
1,3,5-Trinitrobenzene	ug/Kg	120 U	120 U	120 U	120 U	120 U
1,3-Dinitrobenzene	ug/Kg	120 U	120 U	120 U	120 U	120 U
Tetryl	ug/Kg	400 U	120 U	120 U	120 U	120 U
2,4,6-Trinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U	120 U
4-amino-2,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U	120 U
2-amino-4,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U	120 U
2,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U	120 U
2,4-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U	120 U
Metals						
Aluminum	mg/kg	14200 J	11900	10200	13300	13400
Antimony	mg/kg	6.9 U J	6.1 UJ	5.5 UJ	6.1 UJ	5.8 UJ
Arsenic	mg/kg	4.9	4.8 J	6.2 J	4.4 J	4.4 J
Barium	mg/kg	307 R	407	112	91.7	116
Beryllium	mg/kg	0.7	0.58	0.5 J	0.59	0.59
Cadmium	mg/kg	4.3	0.35 U	0.4 J	0.35 U	0.33 U
Calcium	mg/kg	7060 J	12700	70400	71300	35800
Chromium	mg/kg	18.3 J	19.6	16.3	19.2	24.2
Cobalt	mg/kg	9.7	10.6	7.1	8.5	16.6
Copper	mg/kg	108 J	31.5 R	19.3 R	19.5 R	23 R
Iron	mg/kg	37100	23600	18700	24700	29900
Lead	mg/kg	34.9 R	26.8 J	17.2 J	20.2	25.2 J
Magnesium	mg/kg	4610 J	5470	9190	17400	7090
Manganese	mg/kg	645	401	308	474	512
Mercury	mg/kg	1.1	0.15	0.11	0.11	0.06
Nickel	mg/kg	24.9	34.3	26.5	29.4	46.1
Potassium	mg/kg	1210	1000	1020	902	822
Selenium	mg/kg	0.16 U J	0.24 J	0.2 UJ	0.23 UJ	0.23 UJ
Silver	mg/kg	1.1 U	0.36 U	0.33 U	0.36 U	0.35 U
Sodium	mg/kg	39.7 U	67.9 J	129 J	167 J	92 J
Thallium	mg/kg	0.48 J	0.52 U	0.47 U	0.54 U	0.55 U
Vanadium	mg/kg	23.1	19.8	15.5	20.3	17.5
Zinc	mg/kg	333 J	91.4 J	70.8 J	62.3 J	56.2 J
Cyanide	mg/kg	0.57 U	0.7 U	0.67 U	0.76 U	0.69 U

OB GROUNDS
LOW HILL SOILS
SUMMARY OF VALIDATED RESULTS – PHASE II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB	OB
	DEPTH(FT.)	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	DATE	12/10/92	12/10/92	12/10/92	12/10/92	12/10/92	12/10/92	12/10/92
	ES ID	LH-01	LH-02	LH-02RE	LH-04	LH-06	LH-07	LH-09
	LAB ID	175819	175820	175820R1	175822	175824	175825	175827
COMPOUND	UNITS							
Volatile Organic Compounds								
Chloromethane	ug/Kg	12 U	12 U			12 U	12 U	12 U
Bromomethane	ug/Kg	12 U	12 U			12 U	12 U	12 U
Vinyl Chloride	ug/Kg	12 U	12 U			12 U	12 U	12 U
Chloroethane	ug/Kg	12 U	12 U			12 U	12 U	12 U
Methylene Chloride	ug/Kg	12 U	12 U			12 U	12 U	12 U
Acetone	ug/Kg	12 U	12 U			12 U	12 U	12 U
Carbon Disulfide	ug/Kg	12 U	12 U			12 U	12 U	12 U
1,1-Dichloroethene	ug/Kg	12 U	12 U			12 U	12 U	12 U
1,1-Dichloroethane	ug/Kg	12 U	12 U			12 U	12 U	12 U
1,2-Dichloroethene (total)	ug/Kg	12 U	12 U			12 U	12 U	12 U
Chloroform	ug/Kg	12 U	12 U			12 U	12 U	12 U
1,2-Dichloroethane	ug/Kg	12 U	12 U			12 U	12 U	12 U
2-Butanone	ug/Kg	12 U	12 U			12 U	12 U	12 U
1,1,1-Trichloroethane	ug/Kg	12 U	12 U			12 U	12 U	12 U
Carbon Tetrachloride	ug/Kg	12 U	12 U			12 U	12 U	12 U
Vinyl Acetate	ug/Kg							
Bromodichloromethane	ug/Kg	12 U	12 U			12 U	12 U	12 U
1,2-Dichloropropane	ug/Kg	12 U	12 U			12 U	12 U	12 U
cis-1,3-Dichloropropene	ug/Kg	12 U	12 U			12 U	12 U	12 U
Trichloroethene	ug/Kg	12 U	12 U			12 U	12 U	12 U
Dibromochloromethane	ug/Kg	12 U	12 U			12 U	12 U	12 U
1,1,2-Trichloroethane	ug/Kg	12 U	12 U			12 U	12 U	12 U
Benzene	ug/Kg	12 U	12 U			12 U	12 U	12 U
trans-1,3-Dichloropropene	ug/Kg	12 U	12 U			12 U	12 U	12 U
Bromoform	ug/Kg	12 U	12 U			12 U	12 U	12 U
4-Methyl-2-Pentanone	ug/Kg	12 U	12 U			12 U	12 U	12 U
2-Hexanone	ug/Kg	12 U	12 U			12 U	12 U	12 U
Tetrachloroethene	ug/Kg	12 U	12 U			12 U	12 U	12 U
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	12 U			12 U	12 U	12 U
Toluene	ug/Kg	12 U	12 U			12 U	12 U	12 U
Chlorobenzene	ug/Kg	12 U	12 U			12 U	12 U	12 U
Ethylbenzene	ug/Kg	12 U	12 U			12 U	12 U	12 U
Styrene	ug/Kg	12 U	12 U			12 U	12 U	12 U
Xylene (total)	ug/Kg	12 U	12 U			12 U	12 U	12 U

OB GROUNDS
LOW HILL SOILS
SUMMARY OF VALIDATED RESULTS – PHASE II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB	OB
	DEPTH(FT.)	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	DATE	12/10/92	12/10/92	12/10/92	12/10/92	12/10/92	12/10/92	12/10/92
	ES ID	LH-01	LH-02	LH-02RE	LH-04	LH-06	LH-07	LH-09
	LAB ID	175819	175820	175820R1	175822	175824	175825	175827
COMPOUND	UNITS							
Semivolatiles								
Phenol	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
bis(2-Chloroethyl) ether	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
2-Chlorophenol	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
1,3-Dichlorobenzene	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
1,4-Dichlorobenzene	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
Benzyl Alcohol	ug/Kg							
1,2-Dichlorobenzene	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
2-Methylphenol	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
4-Methylphenol	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
N-Nitroso-di-n-propylamine	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
Hexachloroethane	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
Nitrobenzene	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
Isophorone	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
2-Nitrophenol	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
2,4-Dimethylphenol	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
Benzoic Acid	ug/Kg							
bis(2-Chloroethoxy) methane	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
2,4-Dichlorophenol	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
1,2,4-Trichlorobenzene	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
Naphthalene	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
4-Chloroaniline	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
Hexachlorobutadiene	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
4-Chloro-3-methylphenol	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
2-Methylnaphthalene	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
Hexachlorocyclopentadiene	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
2,4,6-Trichlorophenol	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
2,4,5-Trichlorophenol	ug/Kg	990 U	990 U	980 U		980 U	1000 U	980 U
2-Chloronaphthalene	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
2-Nitroaniline	ug/Kg	990 U	990 U	980 U		980 U	1000 U	980 U
Dimethylphthalate	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
Acenaphthylene	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
2,6-Dinitrotoluene	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
3-Nitroaniline	ug/Kg	990 U	990 U	980 U		980 U	1000 U	980 U
Acenaphthene	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
2,4-Dinitrophenol	ug/Kg	990 U	990 U	980 U		980 U	1000 U	980 U
4-Nitrophenol	ug/Kg	990 U	990 U	980 U		980 U	1000 U	980 U
Dibenzofuran	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
2,4-Dinitrotoluene	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
Diethylphthalate	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
4-Chlorophenyl-phenylether	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
Fluorene	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
4-Nitroaniline	ug/Kg	990 U	990 U	980 U		980 U	1000 U	980 U
4,6-Dinitro-2-methylphenol	ug/Kg	990 U	990 U	980 U		980 U	1000 U	980 U
N-Nitrosodiphenylamine	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
4-Bromophenyl-phenylether	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
Hexachlorobenzene	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
Pentachlorophenol	ug/Kg	990 U	990 U	980 U		980 U	1000 U	980 U
Phenanthrene	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
Anthracene	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
Carbazole	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
Di-n-butylphthalate	ug/Kg	15 J	410 U	400 U		24 J	410 U	410 U
Fluoranthene	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
Pyrene	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
Butylbenzylphthalate	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
3,3'-Dichlorobenzidine	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
Benzo(a)anthracene	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
Chrysene	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
bis(2-Ethylhexyl)phthalate	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
Di-n-octylphthalate	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
Benzo(b)fluoranthene	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
Benzo(k)fluoranthene	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
Benzo(a)pyrene	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
Indeno(1,2,3-cd)pyrene	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
Dibenz(a,h)anthracene	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U
Benzo(g,h,i)perylene	ug/Kg	410 U	410 U	400 U		410 U	410 U	410 U

OB GROUNDS
LOW HILL SOILS
SUMMARY OF VALIDATED RESULTS – PHASE II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB	OB
	DEPTH(FT.)	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	DATE	12/10/92	12/10/92	12/10/92	12/10/92	12/10/92	12/10/92	12/10/92
	ES ID	LH-01	LH-02	LH-02RE	LH-04	LH-06	LH-07	LH-09
	LAB ID	175819	175820	175820R1	175822	175824	175825	175827
COMPOUND	UNITS							
Pesticides/PCBs								
alpha-BHC	ug/Kg	2.1 U	2.1 U			2.1 U	2.1 U	2.1 U
beta-BHC	ug/Kg	2.1 U	2.1 U			2.1 U	2.1 U	2.1 U
delta-BHC	ug/Kg	2.1 U	2.1 U			2.1 U	2.1 U	2.1 U
gamma-BHC (Lindane)	ug/Kg	2.1 U	2.1 U			2.1 U	2.1 U	2.1 U
Heptachlor	ug/Kg	2.1 U	2.1 U			2.1 U	2.1 U	2.1 U
Aldrin	ug/Kg	2.1 U	2.1 U			2.1 U	2.1 U	2.1 U
Heptachlor epoxide	ug/Kg	2.1 U	2.1 U			2.1 U	2.1 U	2.1 U
Endosulfan I	ug/Kg	2.1 U	2.1 U			2.1 U	2.1 U	2.1 U
Dieldrin	ug/Kg	4 U	4.1 U			4.1 U	4.1 U	4 U
4,4'-DDE	ug/Kg	1.8 J	4.1 U			4.1 U	4.1 U	4 U
Endrin	ug/Kg	4 U	4.1 U			4.1 U	4.1 U	4 U
Endosulfan II	ug/Kg	4 U	4.1 U			4.1 U	4.1 U	4 U
4,4'-DDD	ug/Kg	4 U	4.1 U			4.1 U	4.1 U	4 U
Endosulfan sulfate	ug/Kg	4 U	4.1 U			4.1 U	4.1 U	4 U
4,4'-DDT	ug/Kg	1.8 J	4.1 U			4.1 U	4.1 U	4 U
Methoxychlor	ug/Kg	21 U	21 U			21 U	21 U	21 U
Endrin ketone	ug/Kg	4 U	4.1 U			4.1 U	4.1 U	4 U
Endrin aldehyde	ug/Kg	4 U	4.1 U			4.1 U	4.1 U	4 U
alpha-Chlordane	ug/Kg	2.1 U	2.1 U			2.1 U	2.1 U	2.1 U
gamma-Chlordane	ug/Kg	2.1 U	2.1 U			2.1 U	2.1 U	2.1 U
Toxaphene	ug/Kg	210 U	210 U			210 U	210 U	210 U
Aroclor-1016	ug/Kg	40 U	41 U			41 U	41 U	40 U
Aroclor-1221	ug/Kg	82 U	83 U			83 U	83 U	82 U
Aroclor-1232	ug/Kg	40 U	41 U			41 U	41 U	40 U
Aroclor-1242	ug/Kg	40 U	41 U			41 U	41 U	40 U
Aroclor-1248	ug/Kg	40 U	41 U			41 U	41 U	40 U
Aroclor-1254	ug/Kg	40 U	41 U			41 U	41 U	40 U
Aroclor-1260	ug/Kg	40 U	41 U			41 U	41 U	40 U

OB GROUNDS
LOW HILL SOILS
SUMMARY OF VALIDATED RESULTS – PHASE II

COMPOUND	MATRIX / LOCATION / DEPTH(FT.) / DATE / ES ID / LAB ID	UNITS							
	MATRIX		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION		OB	OB	OB	OB	OB	OB	OB
	DEPTH(FT.)		2.0	2.0	2.0	2.0	2.0	2.0	2.0
	DATE		12/10/92	12/10/92	12/10/92	12/10/92	12/10/92	12/10/92	12/10/92
	ES ID		LH-01	LH-02	LH-02RE	LH-04	LH-06	LH-07	LH-09
	LAB ID		175819	175820	175820R1	175822	175824	175825	175827
Explosives									
HMX		ug/Kg	120 U	120 U			120 U	120 U	120 U
RDX		ug/Kg	120 U	120 U			120 U	120 U	120 U
1,3,5-Trinitrobenzene		ug/Kg	120 U	120 U			120 U	120 U	120 U
1,3-Dinitrotoluene		ug/Kg	120 U	120 U			120 U	120 U	120 U
Tetryl		ug/Kg	120 U	120 U			120 U	120 U	120 U
2,4,6-Trinitrotoluene		ug/Kg	120 U	120 U			120 U	120 U	120 U
4-amino-2,6-Dinitrotoluene		ug/Kg	120 U	120 U			120 U	120 U	120 U
4-amino-4,6-Dinitrotoluene		ug/Kg	120 U	120 U			120 U	120 U	120 U
2,6-Dinitrotoluene		ug/Kg	120 U	120 U			120 U	120 U	120 U
2,4-Dinitrotoluene		ug/Kg	120 U	120 U			120 U	120 U	120 U
Metals									
Aluminum		mg/kg	18100	15600		16000		14900	14200
Antimony		mg/kg	5.9 UJ	5.2 UJ		7.7 UJ		5.4 UJ	6.3 UJ
Arsenic		mg/kg	4.8	6.9		5.2		4.5	4.6
Barium		mg/kg	100	74.6		107		126	127
Beryllium		mg/kg	0.87	0.79		0.8		0.83	0.78
Cadmium		mg/kg	0.34 U	0.3 U		0.47 J		0.44 J	0.57 J
Calcium		mg/kg	3680	1810		2090		2370	5800
Chromium		mg/kg	22.7	27.6		21.4		19.1	22
Cobalt		mg/kg	9.9	11.5		11.1		11.8	10.8
Copper		mg/kg	23	31.7		24.5		20.3	26.7
Iron		mg/kg	25900	27300		30100		23300	23400
Lead		mg/kg	94.1	42.8		45.8		37.8	51.2
Magnesium		mg/kg	3680	3540		3540		3430	3770
Manganese		mg/kg	783	944		811		1280	605
Mercury		mg/kg	0.15 R	0.11 R		0.14 R		0.14 R	0.12 R
Nickel		mg/kg	23.9	20.4		21.8		20.7	24.3
Potassium		mg/kg	1400	1060		858		946	1230
Selenium		mg/kg	0.84	0.59 J		0.61 J		0.5 J	0.57 J
Silver		mg/kg	0.35 U	0.31 U		0.46 U		0.32 U	0.37 U
Sodium		mg/kg	45 J	29.4 J		42.8 U		29.7 U	37.5 J
Thallium		mg/kg	0.42 U	0.48 U		0.71 U		0.49 U	0.58 U
Vanadium		mg/kg	32.7	27.3		29.9		26.2	24.9
Zinc		mg/kg	110	172		74.9		80.8	93.8
Cyanide		mg/kg	0.67 U	0.73 U		0.88 U		0.72 U	0.74 U

OB GROUNDS
LOW HILL SOILS
SUMMARY OF VALIDATED RESULTS – PHASE II

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB	OB
	DEPTH(FT.)	2.0	2.0	2.0	2.0	2.5	2.5	2.5
	DATE	12/09/92	12/09/92	12/09/92	12/09/92	12/08/92	12/08/92	12/08/92
	ES ID	LH-14	LH-16	LH-17	LH-18	LH-21	LH-210	LH-23
	LAB ID	175832	175834	175835	175836	175704	175707	175706
	UNITS						DUP LH-21	
Volatile Organic Compounds								
Chloromethane	ug/Kg	12 U	13 U	13 U	12 U	13 U	13 U	12 U
Bromomethane	ug/Kg	12 U	13 U	13 U	12 U	13 U	13 U	12 U
Vinyl Chloride	ug/Kg	12 U	13 U	13 U	12 U	13 U	13 U	12 U
Chloroethane	ug/Kg	12 U	13 U	13 U	12 U	13 U	13 U	12 U
Methylene Chloride	ug/Kg	12 U	13 U	13 U	12 U	13 U	13 U	12 U
Acetone	ug/Kg	12 U	13 U	13 U	12 U	13 U	13 U	12 U
Carbon Disulfide	ug/Kg	12 U	13 U	13 U	12 U	13 U	13 U	12 U
1,1-Dichloroethene	ug/Kg	12 U	13 U	13 U	12 U	13 U	13 U	12 U
1,1-Dichloroethane	ug/Kg	12 U	13 U	13 U	12 U	13 U	13 U	12 U
1,2-Dichloroethene (total)	ug/Kg	12 U	13 U	13 U	12 U	13 U	13 U	12 U
Chloroform	ug/Kg	12 U	13 U	13 U	12 U	13 U	13 U	12 U
1,2-Dichloroethane	ug/Kg	12 U	13 U	13 U	12 U	13 U	13 U	12 U
2-Butanone	ug/Kg	12 U	13 U	13 U	12 U	13 U	13 U	12 U
1,1,1-Trichloroethane	ug/Kg	12 U	13 U	13 U	12 U	13 U	13 U	12 U
Carbon Tetrachloride	ug/Kg	12 U	13 U	13 U	12 U	13 U	13 U	12 U
Vinyl Acetate	ug/Kg							
Bromodichloromethane	ug/Kg	12 U	13 U	13 U	12 U	13 U	13 U	12 U
1,2-Dichloropropane	ug/Kg	12 U	13 U	13 U	12 U	13 U	13 U	12 U
cis-1,3-Dichloropropene	ug/Kg	12 U	13 U	13 U	12 U	13 U	13 U	12 U
Trichloroethene	ug/Kg	12 U	13 U	13 U	12 U	13 U	13 U	12 U
Dibromochloromethane	ug/Kg	12 U	13 U	13 U	12 U	13 U	13 U	12 U
1,1,2-Trichloroethane	ug/Kg	12 U	13 U	13 U	12 U	13 U	13 U	12 U
Benzene	ug/Kg	12 U	13 U	13 U	12 U	13 U	13 U	12 U
trans-1,3-Dichloropropene	ug/Kg	12 U	13 U	13 U	12 U	13 U	13 U	12 U
Bromoform	ug/Kg	12 U	13 U	13 U	12 U	13 U	13 U	12 U
4-Methyl-2-Pentanone	ug/Kg	12 U	13 U	13 U	12 U	13 U	13 U	12 U
2-Hexanone	ug/Kg	12 U	13 U	13 U	12 U	13 U	13 U	12 U
Tetrachloroethene	ug/Kg	12 U	13 U	13 U	12 U	13 U	13 U	12 U
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	13 U	13 U	12 U	13 U	13 U	12 U
Toluene	ug/Kg	12 U	13 U	13 U	12 U	13 U	13 U	12 U
Chlorobenzene	ug/Kg	12 U	13 U	13 U	12 U	13 U	13 U	12 U
Ethylbenzene	ug/Kg	12 U	13 U	13 U	12 U	13 U	13 U	12 U
Styrene	ug/Kg	12 U	13 U	13 U	12 U	13 U	13 U	12 U
Xylene (total)	ug/Kg	12 U	13 U	13 U	12 U	13 U	13 U	12 U

OB GROUNDS
LOW HILL SOILS
SUMMARY OF VALIDATED RESULTS – PHASE II

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB	OB
	DEPTH(FT.)	2.0	2.0	2.0	2.0	2.5	2.5	2.5
	DATE	12/09/92	12/09/92	12/09/92	12/09/92	12/08/92	12/08/92	12/08/92
	ES ID	LH-14	LH-16	LH-17	LH-18	LH-21	LH-210	LH-23
	LAB ID	175832	175834	175835	175836	175704	175707	175706
	UNITS						DUP LH-21	
Semivolatiles								
Phenol	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
bis(2-Chloroethyl) ether	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
2-Chlorophenol	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
1,3-Dichlorobenzene	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
1,4-Dichlorobenzene	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
Benzyl Alcohol	ug/Kg							
1,2-Dichlorobenzene	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
2-Methylphenol	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
4-Methylphenol	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
N-Nitroso-di-n-propylamine	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
Hexachloroethane	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
Nitrobenzene	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
Isophorone	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
2-Nitrophenol	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
2,4-Dimethylphenol	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
Benzoic Acid	ug/Kg							
bis(2-Chloroethoxy) methane	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
2,4-Dichlorophenol	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
1,2,4-Trichlorobenzene	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
Naphthalene	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
4-Chloroaniline	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
Hexachlorobutadiene	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
4-Chloro-3-methylphenol	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
2-Methylnaphthalene	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
Hexachlorocyclopentadiene	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
2,4,6-Trichlorophenol	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
2,4,5-Trichlorophenol	ug/Kg	990 U	1000 U	1000 U	990 U	1000 U	1000 U	990 U
2-Chloronaphthalene	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
2-Nitroaniline	ug/Kg	990 U	1000 U	1000 U	990 U	1000 U	1000 U	990 U
Dimethylphthalate	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
Acenaphthylene	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
2,6-Dinitrotoluene	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
3-Nitroaniline	ug/Kg	990 U	1000 U	1000 U	990 U	1000 U	1000 U	990 U
Acenaphthene	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
2,4-Dinitrophenol	ug/Kg	990 U	1000 U	1000 U	990 U	1000 U	1000 U	990 U
4-Nitrophenol	ug/Kg	990 U	1000 U	1000 U	990 U	1000 U	1000 U	990 U
Dibenzofuran	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
2,4-Dinitrotoluene	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
Diethylphthalate	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
4-Chlorophenyl-phenylether	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
Fluorene	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
4-Nitroaniline	ug/Kg	990 U	1000 U	1000 U	990 U	1000 U	1000 U	990 U
4,6-Dinitro-2-methylphenol	ug/Kg	990 U	1000 U	1000 U	990 U	1000 U	1000 U	990 U
N-Nitrosodiphenylamine	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
4-Bromophenyl-phenylether	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
Hexachlorobenzene	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
Pentachlorophenol	ug/Kg	990 U	1000 U	1000 U	990 U	1000 U	1000 U	990 U
Phenanthrene	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
Anthracene	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
Carbazole	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
Di-n-butylphthalate	ug/Kg	16 J	15 J	27 J	12 J	410 U	420 U	410 U
Fluoranthene	ug/Kg	410 U	410 U	420 U	410 U	16 J	16 J	410 U
Pyrene	ug/Kg	410 U	410 U	420 U	410 U	17 J	15 J	410 U
Butylbenzylphthalate	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
3,3'-Dichlorobenzidine	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
Benzo(a)anthracene	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
Chrysene	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
bis(2-Ethylhexyl)phthalate	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
Di-n-octylphthalate	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
Benzo(b)fluoranthene	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
Benzo(k)fluoranthene	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
Benzo(a)pyrene	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
Indeno(1,2,3-cd)pyrene	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
Dibenz(a,h)anthracene	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U
Benzo(g,h,i)perylene	ug/Kg	410 U	410 U	420 U	410 U	410 U	420 U	410 U

OB GROUNDS
LOW HILL SOILS
SUMMARY OF VALIDATED RESULTS – PHASE II

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB	OB
	DEPTH(FT.)	2.0	2.0	2.0	2.0	2.5	2.5	2.5
	DATE	12/09/92	12/09/92	12/09/92	12/09/92	12/08/92	12/08/92	12/08/92
	ES ID	LH-14	LH-16	LH-17	LH-18	LH-21	LH-210	LH-23
	LAB ID	175832	175834	175835	175836	175704	175707	175706
	UNITS						DUP LH-21	
Pesticides/PCBs								
alpha-BHC	ug/Kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
beta-BHC	ug/Kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
delta-BHC	ug/Kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
gamma-BHC (Lindane)	ug/Kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Heptachlor	ug/Kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Aldrin	ug/Kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Heptachlor epoxide	ug/Kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Endosulfan I	ug/Kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Dieldrin	ug/Kg	4.1 U	4.1 U	4.2 U	4.1 U	4.1 U	4.2 U	4.1 U
4,4'-DDE	ug/Kg	4.1 U	4.1 U	4.2 U	4.1 U	4.1 U	4.2 U	4.1 U
Endrin	ug/Kg	4.1 U	4.1 U	4.2 U	4.1 U	4.1 U	4.2 U	4.1 U
Endosulfan II	ug/Kg	4.1 U	4.1 U	4.2 U	4.1 U	4.1 U	4.2 U	4.1 U
4,4'-DDD	ug/Kg	4.1 U	4.1 U	4.2 U	4.1 U	4.1 U	4.2 U	4.1 U
Endosulfan sulfate	ug/Kg	4.1 U	4.1 U	4.2 U	4.1 U	4.1 U	4.2 U	4.1 U
4,4'-DDT	ug/Kg	4.1 U	4.1 U	4.2 U	4.1 U	4.1 U	4.2 U	4.1 U
Methoxychlor	ug/Kg	21 U	21 U	21 U	21 U	21 U	21 U	21 U
Endrin ketone	ug/Kg	4.1 U	4.1 U	4.2 U	4.1 U	4.1 U	4.2 U	4.1 U
Endrin aldehyde	ug/Kg	4.1 U	4.1 U	4.2 U	4.1 U	4.1 U	4.2 U	4.1 U
alpha-Chlordane	ug/Kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
gamma-Chlordane	ug/Kg	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Toxaphene	ug/Kg	210 U	210 U	210 U	210 U	210 U	210 U	210 U
Aroclor-1016	ug/Kg	41 U	41 U	42 U	41 U	41 U	42 U	41 U
Aroclor-1221	ug/Kg	83 U	84 U	85 U	83 U	84 U	85 U	84 U
Aroclor-1232	ug/Kg	41 U	41 U	42 U	41 U	41 U	42 U	41 U
Aroclor-1242	ug/Kg	41 U	41 U	42 U	41 U	41 U	42 U	41 U
Aroclor-1248	ug/Kg	41 U	41 U	42 U	41 U	41 U	42 U	41 U
Aroclor-1254	ug/Kg	41 U	41 U	42 U	41 U	41 U	42 U	41 U
Aroclor-1260	ug/Kg	41 U	41 U	42 U	41 U	41 U	42 U	41 U

OB GROUNDS
LOW HILL SOILS
SUMMARY OF VALIDATED RESULTS – PHASE II

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB	OB
	DEPTH(FT.)	2.0	2.0	2.0	2.0	2.5	2.5	2.5
	DATE	12/09/92	12/09/92	12/09/92	12/09/92	12/08/92	12/08/92	12/08/92
	ES ID	LH-14	LH-16	LH-17	LH-18	LH-21	LH-210	LH-23
	LAB ID	175832	175834	175835	175836	175704	175707	175706
	UNITS						DUP LH-21	
Explosives								
HMX	ug/Kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
RDX	ug/Kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
1,3,5-Trinitrobenzene	ug/Kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
1,3-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Tetryl	ug/Kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
2,4,6-Trinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
4-amino-2,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
4-amino-4,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
2,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
2,4-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Metals								
Aluminum	mg/kg	19700	20000	16700	15900	21800	19100	16600
Antimony	mg/kg	6.7 UJ	6.7 UJ	6.5 UJ	6.5 UJ	6.7 UJ	6.3 UJ	6 UJ
Arsenic	mg/kg	4.4	4.7	5	4.9	4.8	5.3	4.8
Barium	mg/kg	150	160	152	135	138	123	143
Beryllium	mg/kg	0.98	1.1	0.96	0.9	1.1	1	0.94
Cadmium	mg/kg	0.45 J	0.38 U	0.44 J	0.39 J	0.38 U	0.36 U	0.91
Calcium	mg/kg	4370	5330	3850	3370	2820	2650	2690
Chromium	mg/kg	26.7	25.9	23.3	22.6	28.4	25.2	26.3
Cobalt	mg/kg	11.4	11.2	10.9	11.8	12.7	13.8	12.1
Copper	mg/kg	30.3	27.2	32.2	31.4	27.4	24.4	49.7
Iron	mg/kg	27000	26800	26400	26400	30000	28700	29100
Lead	mg/kg	41.3	42	60.2	46.6	39.1	39.3	64.3
Magnesium	mg/kg	4660	4380	4080	3960	4740	4270	4700
Manganese	mg/kg	696	857	775	863	805	1030	765
Mercury	mg/kg	0.08 R	0.11 R	0.14 R	0.13 R	0.12 R	0.17 R	0.18 R
Nickel	mg/kg	31.9	31.3	28.3	28	32.5	28.1	32.7
Potassium	mg/kg	2460	2390	1740	1350	2140	1590	1860
Selenium	mg/kg	0.64 J	1.1	0.94 J	0.8 J	0.94	0.8 J	0.79 J
Silver	mg/kg	0.4 U	0.68 J	0.47 J	0.8 J	0.39 U	0.37 U	0.35 U
Sodium	mg/kg	41.6 J	54.6 J	45.6 J	41.8 J	54 J	34.6 U	47.7 J
Thallium	mg/kg	0.47 U	0.38 U	0.57 U	0.62 U	0.43 U	0.44 U	0.5 U
Vanadium	mg/kg	32.8	33.4	28.5	28	35.4	31.8	30.4
Zinc	mg/kg	97.2	88.1	91.3	85.9	98.2	84.8	106
Cyanide	mg/kg	0.73 U	0.73 U	0.73 U	0.71 U	0.6 U	0.76 U	0.73 U

OB GROUNDS
LOW HILL SOILS
SUMMARY OF VALIDATED RESULTS – PHASE II

COMPOUND	MATRIX / LOCATION / DEPTH(FT.) / DATE / ES ID / LAB ID / UNITS	SOIL OB 2.0 03/08/93 LH-26 179702	SOIL OB 2.0 03/08/93 LH-27 179703	SOIL OB 2.0 03/08/93 LH-28 179704	SOIL OB 2.0 03/08/93 LH-29 179705	SOIL OB 2.0 03/09/93 LH-31 179798	SOIL OB 2.0 03/09/93 LH-32 179799	SOIL OB 2.0 03/09/93 LH-33 179800
Volatile Organic Compounds								
Chloromethane	ug/Kg	12 U	12 U	12 U	13 U	13 U	13 U	12 U
Bromomethane	ug/Kg	12 U	12 U	12 U	13 U	13 U	13 U	12 U
Vinyl Chloride	ug/Kg	12 U	12 U	12 U	13 U	13 U	13 U	12 U
Chloroethane	ug/Kg	12 U	12 U	12 U	13 U	13 U	13 U	12 U
Methylene Chloride	ug/Kg	12 U	12 U	12 U	13 U	13 U	13 U	12 U
Acetone	ug/Kg	12 U	12 U	12 U	13 U	13 U	13 U	12 U
Carbon Disulfide	ug/Kg	12 U	12 U	12 U	13 U	13 U	13 U	12 U
1,1-Dichloroethene	ug/Kg	12 U	12 U	12 U	13 U	13 U	13 U	12 U
1,1-Dichloroethane	ug/Kg	12 U	12 U	12 U	13 U	13 U	13 U	12 U
1,2-Dichloroethene (total)	ug/Kg	12 U	12 U	12 U	13 U	13 U	13 U	12 U
Chloroform	ug/Kg	12 U	12 U	12 U	13 U	13 U	13 U	12 U
1,2-Dichloroethane	ug/Kg	12 U	12 U	12 U	13 U	13 U	13 U	12 U
2-Butanone	ug/Kg	12 U	12 U	12 U	13 U	13 U	13 U	12 U
1,1,1-Trichloroethane	ug/Kg	12 U	12 U	12 U	13 U	13 U	13 U	12 U
Carbon Tetrachloride	ug/Kg	12 U	12 U	12 U	13 U	13 U	13 U	12 U
Vinyl Acetate	ug/Kg							
Bromodichloromethane	ug/Kg	12 U	12 U	12 U	13 U	13 U	13 U	12 U
1,2-Dichloropropane	ug/Kg	12 U	12 U	12 U	13 U	13 U	13 U	12 U
cis-1,3-Dichloropropene	ug/Kg	12 U	12 U	12 U	13 U	13 U	13 U	12 U
Trichloroethene	ug/Kg	12 U	12 U	12 U	13 U	13 U	13 U	12 U
Dibromochloromethane	ug/Kg	12 U	12 U	12 U	13 U	13 U	13 U	12 U
1,1,2-Trichloroethane	ug/Kg	12 U	12 U	12 U	13 U	13 U	13 U	12 U
Benzene	ug/Kg	12 U	12 U	12 U	13 U	13 U	13 U	12 U
trans-1,3-Dichloropropene	ug/Kg	12 U	12 U	12 U	13 U	13 U	13 U	12 U
Bromoform	ug/Kg	12 U	12 U	12 U	13 U	13 U	13 U	12 U
4-Methyl-2-Pentanone	ug/Kg	12 U	12 U	12 U	13 U	13 U	13 U	12 U
2-Hexanone	ug/Kg	12 U	12 U	12 U	13 U	13 U	13 U	12 U
Tetrachloroethene	ug/Kg	12 U	12 U	12 U	13 U	13 U	13 U	12 U
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	12 U	12 U	13 U	13 U	13 U	12 U
Toluene	ug/Kg	12 U	12 U	12 U	13 U	13 U	13 U	12 U
Chlorobenzene	ug/Kg	12 U	12 U	12 U	13 U	13 U	13 U	12 U
Ethylbenzene	ug/Kg	12 U	12 U	12 U	13 U	13 U	13 U	12 U
Styrene	ug/Kg	12 U	12 U	12 U	13 U	13 U	13 U	12 U
Xylene (total)	ug/Kg	12 U	12 U	12 U	13 U	13 U	13 U	12 U

OB GROUNDS
LOW HILL SOILS
SUMMARY OF VALIDATED RESULTS – PHASE II

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB	OB
	DEPTH(FT.)	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	DATE	03/08/93	03/08/93	03/08/93	03/08/93	03/09/93	03/09/93	03/09/93
	ES ID	LH-26	LH-27	LH-28	LH-29	LH-31	LH-32	LH-33
	LAB ID	179702	179703	179704	179705	179798	179799	179800
	UNITS							
Semivolatiles								
Phenol	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
bis(2-Chloroethyl) ether	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
2-Chlorophenol	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
1,3-Dichlorobenzene	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
1,4-Dichlorobenzene	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
Benzyl Alcohol	ug/Kg							
1,2-Dichlorobenzene	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
2-Methylphenol	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
4-Methylphenol	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
N-Nitroso-di-n-propylamine	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
Hexachloroethane	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
Nitrobenzene	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
Isophorone	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
2-Nitrophenol	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
2,4-Dimethylphenol	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
Benzoic Acid	ug/Kg							
bis(2-Chloroethoxy) methane	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
2,4-Dichlorophenol	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
1,2,4-Trichlorobenzene	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
Naphthalene	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
4-Chloroaniline	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
Hexachlorobutadiene	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
4-Chloro-3-methylphenol	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
2-Methylnaphthalene	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
Hexachlorocyclopentadiene	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
2,4,6-Trichlorophenol	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
2,4,5-Trichlorophenol	ug/Kg	950 U	950 U	990 U	1000 U	980 U	1000 U	990 U
2-Chloronaphthalene	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
2-Nitroaniline	ug/Kg	950 U	950 U	990 U	1000 U	980 U	1000 U	990 U
Dimethylphthalate	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
Acenaphthylene	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
2,6-Dinitrotoluene	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
3-Nitroaniline	ug/Kg	950 U	950 U	990 U	1000 U	980 U	1000 U	990 U
Acenaphthene	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
2,4-Dinitrophenol	ug/Kg	950 U	950 U	990 U	1000 U	980 U	1000 U	990 U
4-Nitrophenol	ug/Kg	950 U	950 U	990 U	1000 U	980 U	1000 U	990 U
Dibenzofuran	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
2,4-Dinitrotoluene	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
Diethylphthalate	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
4-Chlorophenyl-phenylether	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
Fluorene	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
4-Nitroaniline	ug/Kg	950 U	950 U	990 U	1000 U	980 U	1000 U	990 U
4,6-Dinitro-2-methylphenol	ug/Kg	950 U	950 U	990 U	1000 U	980 U	1000 U	990 U
N-Nitrosodiphenylamine	ug/Kg	390 U	390 U	410 U	420 U	62 J	110 J	410 U
4-Bromophenyl-phenylether	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
Hexachlorobenzene	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
Pentachlorophenol	ug/Kg	950 U	950 U	990 U	1000 U	980 U	1000 U	990 U
Phenanthrene	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
Anthracene	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
Carbazole	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
Di-n-butylphthalate	ug/Kg	390 U	390 U	410 U	420 U	340 J	460	410 U
Fluoranthene	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
Pyrene	ug/Kg	390 U	390 U	410 U	420 U	13 J	410 U	15 J
Butylbenzylphthalate	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
3,3'-Dichlorobenzidine	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
Benzo(a)anthracene	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
Chrysene	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
bis(2-Ethylhexyl)phthalate	ug/Kg	460	390 U	270 J	120 J	400 U	410 U	150 J
Di-n-octylphthalate	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
Benzo(b)fluoranthene	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
Benzo(k)fluoranthene	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
Benzo(a)pyrene	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
Indeno(1,2,3-cd)pyrene	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
Dibenz(a,h)anthracene	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U
Benzo(g,h,i)perylene	ug/Kg	390 U	390 U	410 U	420 U	400 U	410 U	410 U

OB GROUNDS
LOW HILL SOILS
SUMMARY OF VALIDATED RESULTS – PHASE II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB	OB
	DEPTH(FT.)	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	DATE	03/08/93	03/08/93	03/08/93	03/08/93	03/09/93	03/09/93	03/09/93
	ES ID	LH-26	LH-27	LH-28	LH-29	LH-31	LH-32	LH-33
	LAB ID	179702	179703	179704	179705	179798	179799	179800
COMPOUND	UNITS							
Pesticides/PCBs								
alpha-BHC	ug/Kg	2 U	2 U	2.1 U	2.2 U	2.1 U	2.1 U	2.1 U
beta-BHC	ug/Kg	2 U	2 U	2.1 U	2.2 U	2.1 U	2.1 U	2.1 U
delta-BHC	ug/Kg	2 U	2 U	2.1 U	2.2 U	0.95 J	1.2 J	2.1 U
gamma-BHC (Lindane)	ug/Kg	2 U	2 U	2.1 U	2.2 U	2.1 U	2.1 U	2.1 U
Heptachlor	ug/Kg	2 U	2 U	2.1 U	2.2 U	2.1 U	2.1 U	2.1 U
Aldrin	ug/Kg	2 U	2 U	2.1 U	2.2 U	2.1 U	2.1 U	2.1 U
Heptachlor epoxide	ug/Kg	2 U	2 U	2.1 U	2.2 U	2.1 U	2.1 U	2.1 U
Endosulfan I	ug/Kg	2 U	2 U	2.1 U	2.2 U	2.1 U	2.1 U	2.1 U
Dieldrin	ug/Kg	3.9 U	3.9 U	4.1 U	4.2 U	4.1 U	4 U	4.1 U
4,4'-DDE	ug/Kg	3.9 U	3.9 U	4.1 U	4.2 U	4.1 U	4 U	4.1 U
Endrin	ug/Kg	3.9 U	3.9 U	4.1 U	4.2 U	4.1 U	4 U	4.1 U
Endosulfan II	ug/Kg	3.9 U	3.9 U	4.1 U	4.2 U	4.1 U	4 U	4.1 U
4,4'-DDD	ug/Kg	3.9 U	3.9 U	4.1 U	4.2 U	4.1 U	4 U	4.1 U
Endosulfan sulfate	ug/Kg	3.9 U	3.9 U	4.1 U	4.2 U	4.1 U	4 U	4.1 U
4,4'-DDT	ug/Kg	3.9 U	3.9 U	4.1 U	4.2 U	4.1 U	2.2 J	4.1 U
Methoxychlor	ug/Kg	20 U	20 U	21 U	22 U	21 U	21 U	21 U
Endrin ketone	ug/Kg	3.9 U	3.9 U	4.1 U	4.2 U	4.1 U	4 U	4.1 U
Endrin aldehyde	ug/Kg	3.9 U	3.9 U	4.1 U	4.2 U	4.1 U	4 U	4.1 U
alpha-Chlordane	ug/Kg	2 U	2 U	2.1 U	2.2 U	2.1 U	2.1 U	2.1 U
gamma-Chlordane	ug/Kg	2 U	2 U	2.1 U	2.2 U	2.1 U	2.1 U	2.1 U
Toxaphene	ug/Kg	200 U	200 U	210 U	220 U	210 U	210 U	210 U
Aroclor-1016	ug/Kg	39 U	39 U	41 U	42 U	41 U	40 U	41 U
Aroclor-1221	ug/Kg	80 U	80 U	84 U	85 U	83 U	82 U	83 U
Aroclor-1232	ug/Kg	39 U	39 U	41 U	42 U	41 U	40 U	41 U
Aroclor-1242	ug/Kg	39 U	39 U	41 U	42 U	41 U	40 U	41 U
Aroclor-1248	ug/Kg	39 U	39 U	41 U	42 U	41 U	40 U	41 U
Aroclor-1254	ug/Kg	39 U	39 U	41 U	42 U	41 U	40 U	41 U
Aroclor-1260	ug/Kg	39 U	39 U	41 U	42 U	41 U	40 U	41 U

OB GROUNDS
LOW HILL SOILS
SUMMARY OF VALIDATED RESULTS – PHASE II

COMPOUND	MATRIX / LOCATION / DEPTH(FT.) / DATE / ES ID / LAB ID / UNITS	SOIL OB 2.0 03/08/93 LH-26 179702	SOIL OB 2.0 03/08/93 LH-27 179703	SOIL OB 2.0 03/08/93 LH-28 179704	SOIL OB 2.0 03/08/93 LH-29 179705	SOIL OB 2.0 03/09/93 LH-31 179798	SOIL OB 2.0 03/09/93 LH-32 179799	SOIL OB 2.0 03/09/93 LH-33 179800
Explosives								
HMX	ug/Kg	120 U	88 J	120 U	120 U	120 U	120 U	120 U
RDX	ug/Kg	140	85 J	89 J	93 J	120 U	120 U	120 U
1,3,5-Trinitrobenzene	ug/Kg	120 U	120 U	120 U	120 U	66 J	120 U	120 U
1,3-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Tetryl	ug/Kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
2,4,6-Trinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
4-amino-2,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
4-amino-4,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
2,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
2,4-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U	520	120 U	120 U
Metals								
Aluminum	mg/kg	15800	17400	18700	16200	15400	17900	16500
Antimony	mg/kg	6 UJ	6.1 UJ	6.8 J	5.9 UJ	6 UJ	8.2 J	6.6 UJ
Arsenic	mg/kg	6.2	5.8	5.8	5.5	5.5	5.7	5.5
Barium	mg/kg	165	151	269	149	374	656	297
Beryllium	mg/kg	0.83	0.78	0.84	0.82	0.83	0.87	0.77
Cadmium	mg/kg	0.41 J	0.37 J	0.51 J	0.34 U	2.7	1.4	0.54 J
Calcium	mg/kg	6780	2360	3410	2640	3670	5290	3540
Chromium	mg/kg	23.6	22.6	25	20.6	23.4	27.1	23.3
Cobalt	mg/kg	11	12.8	10.9	10.6	13.7	15.5	10.6
Copper	mg/kg	98.4	89.2	127	42.6	239	427	375
Iron	mg/kg	27400	24900	27900	22700	27600	29700	26400
Lead	mg/kg	162 J	177 J	415	228 J	1530	1250	533
Magnesium	mg/kg	4690	4020	4690	3710	4580	5750	4470
Manganese	mg/kg	560	655	542	784	933	900	561
Mercury	mg/kg	0.05 J	0.05 J	0.05 J	0.1 J	0.1 J	0.08 J	0.14 J
Nickel	mg/kg	32.3	26.5	29	25.6	31.7	36.8	27.2
Potassium	mg/kg	1360	1680	1870	1270	1240	1490	1310
Selenium	mg/kg	0.24 UJ	0.23 UJ	0.23 UJ	0.22 UJ	0.18 J	0.21 UJ	0.25 UJ
Silver	mg/kg	0.36 U	0.36 U	0.38 U	0.35 U	0.36 U	0.35 U	0.39 U
Sodium	mg/kg	60.8 J	54.5 J	63.8 J	46.4 J	49.1 J	67.7 J	61.1 J
Thallium	mg/kg	0.57 U	0.54 U	0.55 U	0.51 U	0.41 U	0.5 U	0.6 U
Vanadium	mg/kg	25.9	26.5	30.5	25.3	25.7	27.8	26.6
Zinc	mg/kg	115 J	91.3 J	135 J	79.1 J	245	443	194 J
Cyanide	mg/kg	0.71 U	0.72 U	0.73 U	0.75 U	0.75 U	0.75 U	0.73 U

OB GROUNDS
LOW HILL SOILS
SUMMARY OF VALIDATED RESULTS – PHASE II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB
	DEPTH(FT.)	2.0	2.0	2.0	2.0	2.0
	DATE	03/09/93	03/09/93	03/09/93	03/09/93	03/09/93
	ES ID	LH-35	LH-35D	LH-36	LH-37	LH-40
	LAB ID	179802	179809	179803	179804	179807
COMPOUND	UNITS		DUP LH-35			
Volatile Organic Compounds						
Chloromethane	ug/Kg	12 U	12 U	13 U	12 U	13 U
Bromomethane	ug/Kg	12 U	12 U	13 U	12 U	13 U
Vinyl Chloride	ug/Kg	12 U	12 U	13 U	12 U	13 U
Chloroethane	ug/Kg	12 U	12 U	13 U	12 U	13 U
Methylene Chloride	ug/Kg	12 U	12 U	13 U	12 U	13 U
Acetone	ug/Kg	12 U	12 U	13 U	12 U	13 U
Carbon Disulfide	ug/Kg	12 U	12 U	13 U	12 U	13 U
1,1-Dichloroethene	ug/Kg	12 U	12 U	13 U	12 U	13 U
1,1-Dichloroethane	ug/Kg	12 U	12 U	13 U	12 U	13 U
1,2-Dichloroethene (total)	ug/Kg	12 U	12 U	13 U	12 U	13 U
Chloroform	ug/Kg	12 U	12 U	13 U	12 U	13 U
1,2-Dichloroethane	ug/Kg	12 U	12 U	13 U	12 U	13 U
2-Butanone	ug/Kg	12 U	12 U	13 U	12 U	13 U
1,1,1-Trichloroethane	ug/Kg	12 U	12 U	13 U	12 U	13 U
Carbon Tetrachloride	ug/Kg	12 U	12 U	13 U	12 U	13 U
Vinyl Acetate	ug/Kg					
Bromodichloromethane	ug/Kg	12 U	12 U	13 U	12 U	13 U
1,2-Dichloropropane	ug/Kg	12 U	12 U	13 U	12 U	13 U
cis-1,3-Dichloropropene	ug/Kg	12 U	12 U	13 U	12 U	13 U
Trichloroethene	ug/Kg	12 U	12 U	13 U	12 U	13 U
Dibromochloromethane	ug/Kg	12 U	12 U	13 U	12 U	13 U
1,1,2-Trichloroethane	ug/Kg	12 U	12 U	13 U	12 U	13 U
Benzene	ug/Kg	12 U	12 U	13 U	12 U	13 U
trans-1,3-Dichloropropene	ug/Kg	12 U	12 U	13 U	12 U	13 U
Bromoform	ug/Kg	12 U	12 U	13 U	12 U	13 U
4-Methyl-2-Pentanone	ug/Kg	12 U	12 U	13 U	12 U	13 U
2-Hexanone	ug/Kg	12 U	12 U	13 U	12 U	13 U
Tetrachloroethene	ug/Kg	12 U	12 U	13 U	12 U	13 U
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	12 U	13 U	12 U	13 U
Toluene	ug/Kg	12 U	12 U	13 U	12 U	13 U
Chlorobenzene	ug/Kg	12 U	12 U	13 U	12 U	13 U
Ethylbenzene	ug/Kg	12 U	12 U	13 U	12 U	13 U
Styrene	ug/Kg	12 U	12 U	13 U	12 U	13 U
Xylene (total)	ug/Kg	12 U	12 U	13 U	12 U	13 U

OB GROUNDS
LOW HILL SOILS
SUMMARY OF VALIDATED RESULTS – PHASE II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB
	DEPTH(FT.)	2.0	2.0	2.0	2.0	2.0
	DATE	03/09/93	03/09/93	03/09/93	03/09/93	03/09/93
	ES ID	LH-35	LH-35D	LH-36	LH-37	LH-40
	LAB ID	179802	179809	179803	179804	179807
COMPOUND	UNITS		DUP LH-35			
Semivolatiles						
Phenol	ug/Kg	400 U	400 U	420 U	390 U	420 U
bis(2-Chloroethyl) ether	ug/Kg	400 U	400 U	420 U	390 U	420 U
2-Chlorophenol	ug/Kg	400 U	400 U	420 U	390 U	420 U
1,3-Dichlorobenzene	ug/Kg	400 U	400 U	420 U	390 U	420 U
1,4-Dichlorobenzene	ug/Kg	400 U	400 U	420 U	390 U	420 U
Benzyl Alcohol	ug/Kg					
1,2-Dichlorobenzene	ug/Kg	400 U	400 U	420 U	390 U	420 U
2-Methylphenol	ug/Kg	400 U	400 U	420 U	390 U	420 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	400 U	400 U	420 U	390 U	420 U
4-Methylphenol	ug/Kg	400 U	400 U	420 U	390 U	420 U
N-Nitroso-di-n-propylamine	ug/Kg	400 U	400 U	420 U	390 U	420 U
Hexachloroethane	ug/Kg	400 U	400 U	420 U	390 U	420 U
Nitrobenzene	ug/Kg	400 U	400 U	420 U	390 U	420 U
Isophorone	ug/Kg	400 U	400 U	420 U	390 U	420 U
2-Nitrophenol	ug/Kg	400 U	400 U	420 U	390 U	420 U
2,4-Dimethylphenol	ug/Kg	400 U	400 U	420 U	390 U	420 U
Benzoic Acid	ug/Kg					
bis(2-Chloroethoxy) methane	ug/Kg	400 U	400 U	420 U	390 U	420 U
2,4-Dichlorophenol	ug/Kg	400 U	400 U	420 U	390 U	420 U
1,2,4-Trichlorobenzene	ug/Kg	400 U	400 U	420 U	390 U	420 U
Naphthalene	ug/Kg	400 U	400 U	420 U	390 U	420 U
4-Chloroaniline	ug/Kg	400 U	400 U	420 U	390 U	420 U
Hexachlorobutadiene	ug/Kg	400 U	400 U	420 U	390 U	420 U
4-Chloro-3-methylphenol	ug/Kg	400 U	400 U	420 U	390 U	420 U
2-Methylnaphthalene	ug/Kg	400 U	400 U	420 U	390 U	420 U
Hexachlorocyclopentadiene	ug/Kg	400 U	400 U	420 U	390 U	420 U
2,4,6-Trichlorophenol	ug/Kg	400 U	400 U	420 U	390 U	420 U
2,4,5-Trichlorophenol	ug/Kg	980 U	970 U	1000 U	940 U	1000 U
2-Chloronaphthalene	ug/Kg	400 U	400 U	420 U	390 U	420 U
2-Nitroaniline	ug/Kg	980 U	970 U	1000 U	940 U	1000 U
Dimethylphthalate	ug/Kg	400 U	400 U	420 U	390 U	420 U
Acenaphthylene	ug/Kg	400 U	400 U	420 U	390 U	420 U
2,6-Dinitrotoluene	ug/Kg	400 U	400 U	420 U	390 U	420 U
3-Nitroaniline	ug/Kg	980 U	970 U	1000 U	940 U	1000 U
Acenaphthene	ug/Kg	400 U	400 U	420 U	390 U	420 U
2,4-Dinitrophenol	ug/Kg	980 U	970 U	1000 U	940 U	1000 U
4-Nitrophenol	ug/Kg	980 U	970 U	1000 U	940 U	1000 U
Dibenzofuran	ug/Kg	400 U	400 U	420 U	390 U	420 U
2,4-Dinitrotoluene	ug/Kg	400 U	400 U	420 U	390 U	420 U
Diethylphthalate	ug/Kg	400 U	400 U	420 U	390 U	420 U
4-Chlorophenyl-phenylether	ug/Kg	400 U	400 U	420 U	390 U	420 U
Fluorene	ug/Kg	400 U	400 U	420 U	390 U	420 U
4-Nitroaniline	ug/Kg	980 U	970 U	1000 U	940 U	1000 U
4,6-Dinitro-2-methylphenol	ug/Kg	980 U	970 U	1000 U	940 U	1000 U
N-Nitrosodiphenylamine	ug/Kg	400 U	400 U	420 U	390 U	420 U
4-Bromophenyl-phenylether	ug/Kg	400 U	400 U	420 U	390 U	420 U
Hexachlorobenzene	ug/Kg	400 U	400 U	420 U	390 U	420 U
Pentachlorophenol	ug/Kg	980 U	970 U	1000 U	940 U	1000 U
Phenanthrene	ug/Kg	400 U	400 U	420 U	390 U	420 U
Anthracene	ug/Kg	400 U	400 U	420 U	390 U	420 U
Carbazole	ug/Kg	400 U	400 U	420 U	390 U	420 U
Di-n-butylphthalate	ug/Kg	400 U	400 U	420 U	390 U	83 J
Fluoranthene	ug/Kg	400 U	400 U	420 U	390 U	21 J
Pyrene	ug/Kg	400 U	400 U	420 U	390 U	16 J
Butylbenzylphthalate	ug/Kg	400 U	400 U	420 U	390 U	420 U
3,3'-Dichlorobenzidine	ug/Kg	400 U	400 U	420 U	390 U	420 U
Benzo(a)anthracene	ug/Kg	400 U	400 U	420 U	390 U	420 U
Chrysene	ug/Kg	400 U	400 U	420 U	390 U	420 U
bis(2-Ethylhexyl)phthalate	ug/Kg	400 U	400 U	420 U	390 U	420 U
Di-n-octylphthalate	ug/Kg	400 U	400 U	420 U	390 U	420 U
Benzo(b)fluoranthene	ug/Kg	400 U	400 U	420 U	390 U	420 U
Benzo(k)fluoranthene	ug/Kg	400 U	400 U	420 U	390 U	420 U
Benzo(a)pyrene	ug/Kg	400 U	400 U	420 U	390 U	420 U
Indeno(1,2,3-cd)pyrene	ug/Kg	400 U	400 U	420 U	390 U	420 U
Dibenz(a,h)anthracene	ug/Kg	400 U	400 U	420 U	390 U	420 U
Benzo(g,h,i)perylene	ug/Kg	400 U	400 U	420 U	390 U	420 U

OB GROUNDS
LOW HILL SOILS
SUMMARY OF VALIDATED RESULTS – PHASE II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB
	DEPTH(FT.)	2.0	2.0	2.0	2.0	2.0
	DATE	03/09/93	03/09/93	03/09/93	03/09/93	03/09/93
	ES ID	LH-35	LH-35D	LH-36	LH-37	LH-40
	LAB ID	179802	179809	179803	179804	179807
COMPOUND	UNITS		DUP LH-35			
Pesticides/PCBs						
alpha-BHC	ug/Kg	2.1 U	2.1 U	2.2 U	2 U	2.2 U
beta-BHC	ug/Kg	2.1 U	2.1 U	2.2 U	2 U	2.2 U
delta-BHC	ug/Kg	2.1 U	2.1 U	2.2 U	2 U	2.2 U
gamma-BHC (Lindane)	ug/Kg	2.1 U	2.1 U	2.2 U	2 U	2.2 U
Heptachlor	ug/Kg	2.1 U	2.1 U	2.2 U	2 U	2.2 U
Aldrin	ug/Kg	2.1 U	2.1 U	2.2 U	2 U	2.2 U
Heptachlor epoxide	ug/Kg	2.1 U	2.1 U	2.2 U	2 U	2.2 U
Endosulfan I	ug/Kg	2.1 U	2.1 U	2.2 U	2 U	2.2 U
Dieldrin	ug/Kg	5.8 J	4 U	4.2 U	3.9 U	4.2 U
4,4'-DDE	ug/Kg	4.1 U	4 U	4.2 U	2.4 J	6.4
Endrin	ug/Kg	4.1 U	4 U	4.2 U	3.9 U	4.2 U
Endosulfan II	ug/Kg	4.1 U	4 U	4.2 U	3.9 U	4.2 U
4,4'-DDD	ug/Kg	4.1 U	4 U	4.2 U	3.9 U	4.2 U
Endosulfan sulfate	ug/Kg	4.1 U	4 U	4.2 U	3.9 U	4.2 U
4,4'-DDT	ug/Kg	4.1 U	4 U	4.2 U	3.9 U	5
Methoxychlor	ug/Kg	21 U	21 U	22 U	20 U	22 U
Endrin ketone	ug/Kg	4.1 U	4 U	4.2 U	3.9 U	4.2 U
Endrin aldehyde	ug/Kg	4.1 U	4 U	4.2 U	3.9 U	4.2 U
alpha-Chlordane	ug/Kg	2.1 U	2.1 U	2.2 U	2 U	2.2 U
gamma-Chlordane	ug/Kg	2.1 U	2.1 U	2.2 U	2 U	2.2 U
Toxaphene	ug/Kg	210 U	210 U	220 U	200 U	220 U
Aroclor-1016	ug/Kg	41 U	40 U	42 U	39 U	42 U
Aroclor-1221	ug/Kg	83 U	81 U	86 U	78 U	85 U
Aroclor-1232	ug/Kg	41 U	40 U	42 U	39 U	42 U
Aroclor-1242	ug/Kg	41 U	40 U	42 U	39 U	42 U
Aroclor-1248	ug/Kg	41 U	40 U	42 U	39 U	42 U
Aroclor-1254	ug/Kg	41 U	40 U	42 U	39 U	42 U
Aroclor-1260	ug/Kg	41 U	40 U	42 U	39 U	42 U

OB GROUNDS
LOW HILL SOILS
SUMMARY OF VALIDATED RESULTS – PHASE II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB
	DEPTH(FT.)	2.0	2.0	2.0	2.0	2.0
	DATE	03/09/93	03/09/93	03/09/93	03/09/93	03/09/93
	ES ID	LH-35	LH-35D	LH-36	LH-37	LH-40
	LAB ID	179802	179809	179803	179804	179807
COMPOUND	UNITS		DUP LH-35			
Explosives						
HMX	ug/Kg	120 U	120 U	120 U	120 U	120 U
RDX	ug/Kg	120 U	120 U	120 U	120 U	120 U
1,3,5-Trinitrobenzene	ug/Kg	120 U	120 U	120 U	120 U	120 U
1,3-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U	120 U
Tetryl	ug/Kg	120 U	120 U	120 U	120 U	120 U
2,4,6-Trinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U	120 U
4-amino-2,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U	120 U
4-amino-4,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U	120 U
2,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U	120 U
2,4-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U	120 U
Metals						
Aluminum	mg/kg	15100	15100	16700	14300	16000
Antimony	mg/kg	6.3 UJ	6.5 UJ	6.6 UJ	7.1 J	6.3 UJ
Arsenic	mg/kg	4.3	4.6	5	4.8	5
Barium	mg/kg	118	114	163	140	151
Beryllium	mg/kg	0.72	0.75	0.76	0.63	0.77
Cadmium	mg/kg	0.36 U	0.37 U	0.38 U	0.35 U	0.36 U
Calcium	mg/kg	1720	1820	2100	2500	3020
Chromium	mg/kg	19.1	19.3	20.3	17.1	21.1
Cobalt	mg/kg	8.6	8.5	8.4	7	10.5
Copper	mg/kg	46.4	49.8	71.1	72.4	60.3
Iron	mg/kg	23500	23100	23000	22400	26700
Lead	mg/kg	106 J	90.9 J	372	115 J	112 J
Magnesium	mg/kg	3310	3290	3490	3070	3600
Manganese	mg/kg	516	483	559	396	625
Mercury	mg/kg	0.06 J	0.06 J	0.09 J	0.07 J	0.11 J
Nickel	mg/kg	19.9	19.8	19.9	16.9	21.7
Potassium	mg/kg	925	878	1450	1010	1330
Selenium	mg/kg	0.19 UJ	0.26 UJ	0.27 UJ	0.23 J	0.23 UJ
Silver	mg/kg	0.37 U	0.38 U	0.39 U	0.36 U	0.37 U
Sodium	mg/kg	48.2 J	50.8 J	51.1 J	49.5 J	51.1 J
Thallium	mg/kg	0.46 U	0.61 U	0.65 U	0.44 U	0.55 U
Vanadium	mg/kg	25.2	25.5	27.4	24.4	26.6
Zinc	mg/kg	66.2 J	64.7 J	74.4 J	92.4 J	78 J
Cyanide	mg/kg	0.74 U	0.7 U	0.76 U	0.71 U	0.76 U

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD A	OB	PAD B	OB	OB	PAD C	PAD C
	DEPTH	3.5'	2.0 feet	2.5'	2.0 feet	2.0 feet	4.0'	4.0'
	DATE	12/03/91	12/04/92	12/10/91	12/03/92	12/03/92	12/03/91	12/03/91
	ES ID	BE-A-1-91	BE-A-3	BE-B-2-91	BE-B-3	BE-B-4	BE-C-2-91	BE-C-3-91
	LAB ID	150037	175276	150657	175278	175279	150040	150041
COMPOUND	UNITS							
Volatile Organic Compounds								
Chloromethane	ug/kg	11 U	12 U	12 U	12 U		11 U	12 U
Bromomethane	ug/kg	11 U	12 U	12 U	12 U		11 U	12 U
Vinyl Chloride	ug/kg	11 U	12 U	12 U	12 U		11 U	12 U
Chloroethane	ug/kg	11 U	12 U	12 U	12 U		11 U	12 U
Methylene Chloride	ug/kg	6 U	12 U	6 U	12 U		6 U	6 U
Acetone	ug/kg	11 U	12 U	12 U	12 U		11 U	12 U
Carbon Disulfide	ug/kg	6 U	12 U	6 U	12 U		6 U	6 U
1,1-Dichloroethene	ug/kg	6 U	12 U	6 U	12 U		6 U	6 U
1,1-Dichloroethane	ug/kg	6 U	12 U	6 U	12 U		6 U	6 U
1,2-Dichloroethene (total)	ug/kg	6 U	12 U	6 U	12 U		6 U	6 U
Chloroform	ug/kg	6 U	12 U	6 U	12 U		6 U	6 U
1,2-Dichloroethane	ug/kg	6 U	12 U	6 U	12 U		6 U	6 U
2-Butanone	ug/kg	11 U	12 U	12 U	12 U		11 U	12 U
1,1,1-Trichloroethane	ug/kg	6 U	12 U	6 U	12 U		6 U	6 U
Carbon Tetrachloride	ug/kg	6 U	12 U	6 U	12 U		6 U	6 U
Vinyl Acetate	ug/kg	11 U		12 U			11 U	12 U
Bromodichloromethane	ug/kg	6 U	12 U	6 U	12 U		6 U	6 U
1,2-Dichloropropane	ug/kg	6 U	12 U	6 U	12 U		6 U	6 U
cis-1,3-Dichloropropene	ug/kg	6 U	12 U	6 U	12 U		6 U	6 U
Trichloroethene	ug/kg	6 U	12 U	6 U	12 U		6 U	6 U
Dibromochloromethane	ug/kg	6 U	12 U	6 U	12 U		6 U	6 U
1,1,2-Trichloroethane	ug/kg	6 U	12 U	6 U	12 U		6 U	6 U
Benzene	ug/kg	6 U	12 U	6 U	12 U		6 U	6 U
trans-1,3-Dichloropropene	ug/kg	6 U	12 U	6 U	12 U		6 U	6 U
Bromoform	ug/kg	6 U	12 U	6 U	12 U		6 U	6 U
4-Methyl-2-Pentanone	ug/kg	11 U	12 U	12 U	12 U		11 U	12 U
2-Hexanone	ug/kg	11 U	12 U	12 U	12 U		11 U	12 U
Tetrachloroethene	ug/kg	6 U	12 U	6 U	12 U		6	1 J
1,1,2,2-Tetrachloroethane	ug/kg	6 U	12 U	6 U	12 U		6 U	6 U
Toluene	ug/kg	6 U	12 U	6 U	12 U		6 U	6 U
Chlorobenzene	ug/kg	6 U	12 U	6 U	12 U		6 U	6 U
Ethylbenzene	ug/kg	6 U	12 U	6 U	12 U		6 U	6 U
Styrene	ug/kg	6 U	12 U	6 U	12 U		6 U	6 U
Xylene (total)	ug/kg	6 U	12 U	6 U	12 U		6 U	6 U

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD A	OB	PAD B	OB	OB	PAD C	PAD C
	DEPTH	3.5'	2.0 feet	2.5'	2.0 feet	2.0 feet	4.0'	4.0'
	DATE	12/03/91	12/04/92	12/10/91	12/03/92	12/03/92	12/03/91	12/03/91
	ES ID	BE-A-1-91	BE-A-3	BE-B-2-91	BE-B-3	BE-B-4	BE-C-2-91	BE-C-3-91
	LAB ID	150037	175276	150857	175278	175279	150040	150041
	UNITS							
Semivolatiles								
Phenol	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
bis(2-Chloroethyl) ether	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
2-Chlorophenol	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
1,3-Dichlorobenzene	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
1,4-Dichlorobenzene	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
Benzyl Alcohol	ug/kg	740 U		770 U			750 U	800 U
1,2-Dichlorobenzene	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
2-Methylphenol	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
2,2'-oxybis(1-Chloropropane)	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
4-Methylphenol	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
N-Nitroso-di-n-propylamine	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
Hexachloroethane	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
Nitrobenzene	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
Isophorone	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
2-Nitrophenol	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
2,4-Dimethylphenol	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
Benzoic acid	ug/kg	3600 U		3800 U			3700 U	3900 U
bis(2-Chloroethoxy) methane	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
2,4-Dichlorophenol	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
1,2,4-Trichlorobenzene	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
Naphthalene	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
4-Chloroaniline	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
Hexachlorobutadiene	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
4-Chloro-3-methylphenol	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
2-Methylnaphthalene	ug/kg	740 U	410 U	770 U	15 J		750 U	800 U
Hexachlorocyclopentadiene	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
2,4,6-Trichlorophenol	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
2,4,5-Trichlorophenol	ug/kg	3600 U	990 U	3800 U	1000 U		3700 U	3900 U
2-Chloronaphthalene	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
2-Nitroaniline	ug/kg	3600 U	990 U	3800 U	1000 U		3700 U	3900 U
Dimethylphthalate	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
Acenaphthylene	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
2,6-Dinitrotoluene	ug/kg	740 U	410 U	770 U	470		750 U	800 U
3-Nitroaniline	ug/kg	3600 U	990 U	3800 U	1000 U		3700 U	3900 U
Acenaphthene	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
2,4-Dinitrophenol	ug/kg	3600 U	990 U	3800 U	1000 U		3700 U	3900 U
4-Nitrophenol	ug/kg	3600 U	990 U	3800 U	1000 U		3700 U	3900 U
Dibenzofuran	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
2,4-Dinitrotoluene	ug/kg	740 U	410 U	130 J	5600 J		750 U	730 J
Diethylphthalate	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
4-Chlorophenyl-phenylether	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
Fluorene	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
4-Nitroaniline	ug/kg	3600 U	990 U	3800 U	1000 U		3700 U	3900 U
4,6-Dinitro-2-methylphenol	ug/kg	3600 U	990 U	3800 U	1000 U		3700 U	3900 U
N-Nitrosodiphenylamine	ug/kg	740 U	410 U	770 U	240 J		750 U	190 J
4-Bromophenyl-phenylether	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
Hexachlorobenzene	ug/kg	740 U	410 U	770 U	20 J		750 U	800 U
Pentachlorophenol	ug/kg	3600 U	990 U	3800 U	1000 U		3700 U	3900 U
Phenanthrene	ug/kg	740 U	410 U	770 U	25 J		750 U	800 U
Anthracene	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
Carbazole	ug/kg		410 U		420 U			
Di-n-butylphthalate	ug/kg	740 U	410 U	380 J	790		740 J	200 J
Fluoranthene	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
Pyrene	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
Butylbenzylphthalate	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
3,3'-Dichlorobenzidine	ug/kg	1500 U	410 U	1500 U	420 U		1500 U	1600 U
Benzo(a)anthracene	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
Chrysene	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
bis(2-Ethylhexyl)phthalate	ug/kg	740 U	410 U	170 J	300 J		750 U	800 U
Di-n-octylphthalate	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
Benzo(b)fluoranthene	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
Benzo(k)fluoranthene	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
Benzo(a)pyrene	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
Indeno(1,2,3-cd)pyrene	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
Dibenz(a,h)anthracene	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U
Benzo(g,h,i)perylene	ug/kg	740 U	410 U	770 U	420 U		750 U	800 U

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD A	OB	PAD B	OB	OB	PAD C	PAD C
	DEPTH	3.5'	2.0 feet	2.5'	2.0 feet	2.0 feet	4.0'	4.0'
	DATE	12/03/91	12/04/92	12/10/91	12/03/92	12/03/92	12/03/91	12/03/91
	ES ID	BE-A-1-91	BE-A-3	BE-B-2-91	BE-B-3	BE-B-4	BE-C-2-91	BE-C-3-91
	LAB ID	150037	175276	150657	175278	175279	150040	150041
COMPOUND	UNITS							
Pesticides/PCBs								
alpha-BHC	ug/Kg	18 U	2.1 U	190 U	2.2 U		18 U	19 U
beta-BHC	ug/Kg	18 U	2.1 U	190 U	2.2 U		18 U	19 U
delta-BHC	ug/Kg	18 U	2.1 U	190 U	2.2 U		18 U	19 U
gamma-BHC (Lindane)	ug/Kg	18 U	2.1 U	190 U	2.2 U		18 U	19 U
Heptachlor	ug/Kg	18 U	2.1 U	190 U	2.2 U		18 U	19 U
Aldrin	ug/Kg	18 U	2.1 U	190 U	2.2 U		18 U	19 U
Heptachlor epoxide	ug/Kg	18 U	2.1 U	190 U	2.2 U		18 U	19 U
Endosulfan I	ug/Kg	18 U	2.1 U	190 U	2.2 U		18 U	19 U
Dieldrin	ug/Kg	36 U	4 U	380 U	4.2 U		37 U	39 U
4,4'-DDE	ug/Kg	36 U	14 J	380 U	6.2		37 U	39 U
Endrin	ug/Kg	36 U	4 U	380 U	4.2 U		37 U	39 U
Endosulfan II	ug/Kg	36 U	4 U	380 U	4.2 U		37 U	39 U
4,4'-DDD	ug/Kg	36 U	4 U	380 U	4.2 U		37 U	39 U
Endosulfan sulfate	ug/Kg	36 U	4 U	380 U	4.2 U		37 U	39 U
4,4'-DDT	ug/Kg	36 U	9 J	2800	11		37 U	39 U
Methoxychlor	ug/Kg	180 U	21 U	1900 U	22 U		180 U	190 U
Endrin ketone	ug/Kg	36 U	4 U	380 U	4.2 U		37 U	39 U
Endrin aldehyde	ug/Kg		4 U		4.2 U			
alpha-Chlordane	ug/Kg	180 U	2.1 U	1900 U	2.2 U		180 U	190 U
gamma-Chlordane	ug/Kg	180 U	2.1 U	1900 U	2.2 U		180 U	190 U
Toxaphene	ug/Kg	360 U	210 U	3800 U	220 U		370 U	390 U
Aroclor-1016	ug/Kg	180 U	40 U	1900 U	42 U		180 U	190 U
Aroclor-1221	ug/Kg	180 U	82 U	1900 U	86 U		180 U	190 U
Aroclor-1232	ug/Kg	180 U	40 U	1900 U	42 U		180 U	190 U
Aroclor-1242	ug/Kg	180 U	40 U	1900 U	42 U		180 U	190 U
Aroclor-1248	ug/Kg	180 U	40 U	1900 U	42 U		180 U	190 U
Aroclor-1254	ug/Kg	360 U	40 U	3800 U	42 U		370 U	390 U
Aroclor-1260	ug/Kg	360 U	40 U	3800 U	42 U		370 U	390 U

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD A	OB	PAD B	OB	OB	PAD C	PAD C
	DEPTH	3.5'	2.0 feet	2.5'	2.0 feet	2.0 feet	4.0'	4.0'
	DATE	12/03/91	12/04/92	12/10/91	12/03/92	12/03/92	12/03/91	12/03/91
	ES ID	BE-A-1-91	BE-A-3	BE-B-2-91	BE-B-3	BE-B-4	BE-C-2-91	BE-C-3-91
	LAB ID	150037	175276	150657	175278	175279	150040	150041
COMPOUND	UNITS							
Explosives								
HMX	ug/Kg	1000 U	120 U	1000 U	120 U		1000 U	1000 U
RDX	ug/Kg	120 U	120 U	120 U	120 U		120 U	120 U
1,3,5-Trinitrobenzene	ug/Kg	120 U	120 U	250	120 J		610	180
1,3-Dinitrobenzene	ug/Kg	120 U	120 U	120 U	120 U		120 U	120 U
Tetryl	ug/Kg	400 U	120 U	400 U	120 U		400 U	400 U
2,4,6-Trinitrotoluene	ug/Kg	120 U	120 U	300	430		120 U	240
4-amino-2,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	200 J		120 U	240
2-amino-4,6-Dinitrotoluene	ug/Kg	120 U	120 U	360	170		120 U	120 U
2,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U		120 U	120 U
2,4-Dinitrotoluene	ug/Kg	140	120 J	590	530		440	460
Metals								
Aluminum	mg/Kg	18300	19000	19400		23900	20700	30500
Antimony	mg/Kg	14.5 R	11.2 R	68.8 R		17.7 R	6.1 R	87.7 R
Arsenic	mg/Kg	5 R	4.5 J	10.1 R		7.7 J	6.2 R	20
Barium	mg/Kg	1040	607	19600		2510	2240	3900
Beryllium	mg/Kg	0.85 R	0.77	0.77 R		0.96	0.79 R	0.86 R
Cadmium	mg/Kg	3.9 J	0.74	15 J		5.5	28.2	16.3 J
Calcium	mg/Kg	8210	10900	11700		7030	15200	12300
Chromium	mg/Kg	24.5 R	27	48.1 R		41.6	53.6 R	46 R
Cobalt	mg/Kg	17.6	10.6	19.5		14.6	13.8	11.4
Copper	mg/Kg	767	504	38100		3050	3800	3620
Iron	mg/Kg	28200	29400	43200		37200	36200	33800
Lead	mg/Kg	7880 J	1380	41200 J		7210	56700 J	29000 J
Magnesium	mg/Kg	7030	5740	9210		6390	8060	8770
Manganese	mg/Kg	1260	381	646		518	610	676
Mercury	mg/Kg	0.04 UJ	0.09 J	0.2 J		0.15	0.21 J	0.23 J
Nickel	mg/Kg	31.5	32.9	44.8		46.3	49.9	51.6
Potassium	mg/Kg	1740 J	1950	3570 J		3060	2880 J	3060 J
Selenium	mg/Kg	0.21 UJ	0.79 J	3.2 J		3 J	1 UJ	0.86 UJ
Silver	mg/Kg	0.38 R	0.37 U	3.1 R		0.74 J	4.7	6.5
Sodium	mg/Kg	66.6 J	94 R	347 J		158 R	353 J	482 J
Thallium	mg/Kg	0.67 U	0.45 U	0.34 U		0.51 U	0.64 U	0.55 U
Vanadium	mg/Kg	28.8	29.1	29.2		36	22.9	31.8
Zinc	mg/Kg	210	426	5380		2070	7640	3380
Cyanide	mg/Kg	0.65 U	0.62 U	0.67 U		0.59 U	0.6 U	0.69 U

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

COMPOUND	MATRIX / LOCATION / DEPTH / DATE / ES ID / LAB ID / UNITS	SOIL OB 2.0 feet 12/03/92 BE-C-5 175280	SOIL OB 2.0 feet 12/03/92 BE-C-5RE 175280R1	SOIL OB 2.0 feet 12/03/92 BE-C-6 175281	SOIL PAD-D 3.0' 12/04/91 BE-D-1-91 150104	SOIL PAD D 2.5' 12/04/91 BE-D-2-91 150105	SOIL OB 2.0 feet 12/04/92 BE-D-3 175282	SOIL PAD E 3.0' 12/03/91 BE-E-1-91 150106
Volatile Organic Compounds								
Chloromethane	ug/kg	12 U				11 U	12 U	12 U
Bromomethane	ug/kg	12 U				11 U	12 U	12 U
Vinyl Chloride	ug/kg	12 U				11 U	12 U	12 U
Chloroethane	ug/kg	12 U				11 U	12 U	12 U
Methylene Chloride	ug/kg	12 U				6 U	12 U	6 U
Acetone	ug/kg	12 U				11 U	12 U	12 U
Carbon Disulfide	ug/kg	12 U				6 U	12 U	6 U
1,1-Dichloroethene	ug/kg	12 U				6 U	12 U	6 U
1,1-Dichloroethane	ug/kg	12 U				6 U	12 U	6 U
1,2-Dichloroethene (total)	ug/kg	12 U				6 U	12 U	6 U
Chloroform	ug/kg	12 U				6 U	12 U	6 U
1,2-Dichloroethane	ug/kg	12 U				6 U	12 U	6 U
2-Butanone	ug/kg	12 U				11 U	12 U	12 U
1,1,1-Trichloroethane	ug/kg	12 U				6 U	12 U	6 U
Carbon Tetrachloride	ug/kg	12 U				6 U	12 U	6 U
Vinyl Acetate	ug/kg					11 U		12 U
Bromodichloromethane	ug/kg	12 U				6 U	12 U	6 U
1,2-Dichloropropane	ug/kg	12 U				6 U	12 U	6 U
cis-1,3-Dichloropropene	ug/kg	12 U				6 U	12 U	6 U
Trichloroethene	ug/kg	4 J				6 U	12 U	6 U
Dibromochloromethane	ug/kg	12 U				6 U	12 U	6 U
1,1,2-Trichloroethane	ug/kg	12 U				6 U	12 U	6 U
Benzene	ug/kg	12 U				6 U	12 U	6 U
trans-1,3-Dichloropropene	ug/kg	12 U				6 U	12 U	6 U
Bromoform	ug/kg	12 U				6 U	12 U	6 U
4-Methyl-2-Pentanone	ug/kg	12 U				11 U	12 U	12 U
2-Hexanone	ug/kg	12 U				11 U	12 U	12 U
Tetrachloroethene	ug/kg	12 U				1 J	2 J	6 U
1,1,2,2-Tetrachloroethane	ug/kg	12 U				6 U	12 U	6 U
Toluene	ug/kg	12 U				6 U	12 U	6 U
Chlorobenzene	ug/kg	12 U				6 U	12 U	6 U
Ethylbenzene	ug/kg	12 U				6 U	12 U	6 U
Styrene	ug/kg	12 U				6 U	12 U	6 U
Xylene (total)	ug/kg	12 U				6 U	12 U	6 U

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

COMPOUND	MATRIX LOCATION DEPTH DATE ES ID LAB ID UNITS	SOIL OB 2.0 feet 12/03/92 BE-C-5 175260	SOIL OB 2.0 feet 12/03/92 BE-C-5RE 175260R1	SOIL OB 2.0 feet 12/03/92 BE-C-6 175261	SOIL PAD-D 3.0' 12/04/91 BE-D-1-91 150104	SOIL PAD D 2.5' 12/04/91 BE-D-2-91 150105	SOIL OB 2.0 feet 12/04/92 BE-D-3 175262	SOIL PAD E 3.0' 12/03/91 BE-E-1-91 150106
Semivolatiles								
Phenol	ug/kg	400 U				750 U	400 U	750 U
bis(2-Chloroethyl) ether	ug/kg	400 U				750 U	400 U	750 U
2-Chlorophenol	ug/kg	400 U				750 U	400 U	750 U
1,3-Dichlorobenzene	ug/kg	400 U				750 U	400 U	750 U
1,4-Dichlorobenzene	ug/kg	400 U				750 U	400 U	750 U
Benzyl Alcohol	ug/kg					750 U		750 U
1,2-Dichlorobenzene	ug/kg	400 U				750 U	400 U	750 U
2-Methylphenol	ug/kg	400 U				750 U	400 U	750 U
2,2'-oxybis(1-Chloropropane)	ug/kg	400 U				750 U	400 U	750 U
4-Methylphenol	ug/kg	400 U				750 U	400 U	750 U
N-Nitroso-di-n-propylamine	ug/kg	400 U				750 U	400 U	750 U
Hexachloroethane	ug/kg	400 U				750 U	400 U	750 U
Nitrobenzene	ug/kg	400 U				750 U	400 U	750 U
Isophorone	ug/kg	400 U				750 U	400 U	750 U
2-Nitrophenol	ug/kg	400 U				750 U	400 U	750 U
2,4-Dimethylphenol	ug/kg	400 U				750 U	400 U	750 U
Benzoic acid	ug/kg					3600 U		3700 U
bis(2-Chloroethoxy) methane	ug/kg	400 U				750 U	400 U	750 U
2,4-Dichlorophenol	ug/kg	400 U				750 U	400 U	750 U
1,2,4-Trichlorobenzene	ug/kg	400 U				750 U	400 U	750 U
Naphthalene	ug/kg	400 U				750 U	400 U	750 U
4-Chloroaniline	ug/kg	400 U				750 U	400 U	750 U
Hexachlorobutadiene	ug/kg	400 U				750 U	400 U	750 U
4-Chloro-3-methylphenol	ug/kg	400 U				750 U	400 U	750 U
2-Methylnaphthalene	ug/kg	15 J				750 U	27 J	750 U
Hexachlorocyclopentadiene	ug/kg	400 U				750 U	400 U	750 U
2,4,6-Trichlorophenol	ug/kg	400 U				750 U	400 U	750 U
2,4,5-Trichlorophenol	ug/kg	980 U				3600 U	970 U	3700 U
2-Chloronaphthalene	ug/kg	400 U				750 U	400 U	750 U
2-Nitroaniline	ug/kg	980 U				3600 U	970 U	3700 U
Dimethylphthalate	ug/kg	400 U				750 U	400 U	750 U
Acenaphthylene	ug/kg	400 U				750 U	400 U	750 U
2,6-Dinitrotoluene	ug/kg	250 J				750 U	120 J	750 U
3-Nitroaniline	ug/kg	980 U				3600 U	970 U	3700 U
Acenaphthene	ug/kg	400 U				750 U	400 U	750 U
2,4-Dinitrophenol	ug/kg	980 U				3600 U	970 U	3700 U
4-Nitrophenol	ug/kg	980 U				3600 U	970 U	3700 U
Dibenzofuran	ug/kg	400 U				750 U	400 U	750 U
2,4-Dinitrotoluene	ug/kg	2900 J				750 U	1400	750 U
Diethylphthalate	ug/kg	400 U				750 U	400 U	750 U
4-Chlorophenyl-phenylether	ug/kg	400 U				750 U	400 U	750 U
Fluorene	ug/kg	400 U				750 U	400 U	750 U
4-Nitroaniline	ug/kg	980 U				3600 U	970 U	3700 U
4,6-Dinitro-2-methylphenol	ug/kg	980 U				3600 U	970 U	3700 U
N-Nitrosodiphenylamine	ug/kg	360 J				750 U	82 J	750 U
4-Bromophenyl-phenylether	ug/kg	400 U				750 U	400 U	750 U
Hexachlorobenzene	ug/kg	400 U				750 U	400 U	750 U
Pentachlorophenol	ug/kg	980 U				3600 U	970 U	3700 U
Phenanthrene	ug/kg	400 U				750 U	78 J	750 U
Anthracene	ug/kg	400 U				750 U	25 J	750 U
Carbazole	ug/kg	400 U					400 U	
Di-n-butylphthalate	ug/kg	720				400 J	690	750 U
Fluoranthene	ug/kg	400 U				750 U	180 J	750 U
Pyrene	ug/kg	400 U				750 U	180 J	750 U
Butylbenzylphthalate	ug/kg	400 U				750 U	400 U	750 U
3,3'-Dichlorobenzidine	ug/kg	400 U				1500 U	400 U	1500 U
Benzo(a)anthracene	ug/kg	400 U				750 U	130 J	750 U
Chrysene	ug/kg	400 U				750 U	160 J	750 U
bis(2-Ethylhexyl)phthalate	ug/kg	400 U				750 U	400 U	750 U
Di-n-octylphthalate	ug/kg	400 U				750 U	400 U	750 U
Benzo(b)fluoranthene	ug/kg	400 U				750 U	180 J	750 U
Benzo(k)fluoranthene	ug/kg	400 U				750 U	180 J	750 U
Benzo(a)pyrene	ug/kg	400 U				750 U	120 J	750 U
Indeno(1,2,3-cd)pyrene	ug/kg	400 U				750 U	130 J	750 U
Dibenz(a,h)anthracene	ug/kg	400 U				750 U	400 U	750 U
Benzo(g,h,i)perylene	ug/kg	400 U				750 U	93 J	750 U

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	PAD-D	PAD D	OB	PAD E
	DEPTH	2.0 feet	2.0 feet	2.0 feet	3.0'	2.5'	2.0 feet	3.0'
	DATE	12/03/92	12/03/92	12/03/92	12/04/91	12/04/91	12/04/92	12/03/91
	ES ID	BE-C-5	BE-C-5RE	BE-C-6	BE-D-1-91	BE-D-2-91	BE-D-3	BE-E-1-91
	LAB ID	175280	175280R1	175281	150104	150105	175282	150106
COMPOUND	UNITS							
Pesticides/PCBs								
alpha-BHC	ug/Kg	2.1 U	2.1 U			18 U	2.1 U	18 U
beta-BHC	ug/Kg	2.1 U	2.1 U			18 U	2.1 U	18 U
delta-BHC	ug/Kg	2.1 U	2.1 U			18 U	15 J	18 U
gamma-BHC (Lindane)	ug/Kg	2.1 U	2.1 U			18 U	2.1 U	18 U
Heptachlor	ug/Kg	2.1 U	2.1 U			18 U	2.1 U	18 U
Aldrin	ug/Kg	2.1 U	2.1 U			18 U	2.1 U	18 U
Heptachlor epoxide	ug/Kg	2.1 U	2.1 U			18 U	1.2 J	18 U
Endosulfan I	ug/Kg	2.1 U	2.1 U			18 U	1.8 J	18 U
Dieldrin	ug/Kg	4.1 U	4.1 U			36 U	4 U	37 U
4,4'-DDE	ug/Kg	1.3 J	1.2 J			36 U	7.8 J	37 U
Endrin	ug/Kg	4.1 U	4.1 U			36 U	4 U	37 U
Endosulfan II	ug/Kg	4.1 U	4.1 U			36 U	4 U	37 U
4,4'-DDD	ug/Kg	4.1 U	4.1 U			36 U	2.4 J	37 U
Endosulfan sulfate	ug/Kg	4.1 U	4.1 U			36 U	4 U	37 U
4,4'-DDT	ug/Kg	2.2 J	2.8 J			36 U	4 U	37 U
Methoxychlor	ug/Kg	21 U	21 U			180 U	21 U	180 U
Endrin ketone	ug/Kg	4.1 U	4.1 U			36 U	4 U	37 U
Endrin aldehyde	ug/Kg	4.1 U	4.1 U				4 U	
alpha-Chlordane	ug/Kg	2.1 U	2.1 U			180 U	2.1 U	180 U
gamma-Chlordane	ug/Kg	2.1 U	2.1 U			180 U	2.1 U	180 U
Toxaphene	ug/Kg	210 U	210 U			360 U	210 U	370 U
Arocior-1016	ug/Kg	41 U	41 U			180 U	40 U	180 U
Arocior-1221	ug/Kg	82 U	82 U			180 U	82 U	180 U
Arocior-1232	ug/Kg	41 U	41 U			180 U	40 U	180 U
Arocior-1242	ug/Kg	41 U	41 U			180 U	40 U	180 U
Arocior-1248	ug/Kg	41 U	41 U			180 U	40 U	180 U
Arocior-1254	ug/Kg	41 U	41 U			360 U	40 U	370 U
Arocior-1260	ug/Kg	41 U	41 U			360 U	40 U	370 U

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	PAD-D	PAD D	OB	PAD E
	DEPTH	2.0 feet	2.0 feet	2.0 feet	3.0'	2.5'	2.0 feet	3.0'
	DATE	12/03/92	12/03/92	12/03/92	12/04/91	12/04/91	12/04/92	12/03/91
	ES ID	BE-C-5	BE-C-5RE	BE-C-6	BE-D-1-91	BE-D-2-91	BE-D-3	BE-E-1-91
	LAB ID	175280	175280R1	175281	150104	150105	175282	150106
COMPOUND	UNITS							
Explosives								
HMX	ug/Kg	120 U				1000 U	120 U	1000 U
RDX	ug/Kg	120 U				120 U	120 U	120 U
1,3,5-Trinitrobenzene	ug/Kg	140				170	91 J	120 J
1,3-Dinitrobenzene	ug/Kg	120 U				120 U	120 U	120 U
Tetryl	ug/Kg	120 U				400 U	120 U	400 U
2,4,6-Trinitrotoluene	ug/Kg	160 J				120 U	95 J	120 U
4-amino-2,6-Dinitrotoluene	ug/Kg	240 J				120 U	66 J	120 U
2-amino-4,6-Dinitrotoluene	ug/Kg	240 J				110 J	69 J	86 J
2,6-Dinitrotoluene	ug/Kg	120 U				120 U	120 U	120 U
2,4-Dinitrotoluene	ug/Kg	1000 J				360	910	1900
Metals								
Aluminum	mg/Kg			16800	16800		21100	17500
Antimony	mg/Kg			17.7 R	54.2 R		19.6 R	5.4 R
Arsenic	mg/Kg			6.4 J	6.9 R		8.1 J	6.2 R
Barium	mg/Kg			1360	740 R		753	660 R
Beryllium	mg/Kg			0.83	0.78 R		0.83	0.65 R
Cadmium	mg/Kg			1.7	10.9 J		24.4	7.9 J
Calcium	mg/Kg			11300	10600		13300	8930
Chromium	mg/Kg			27.4	31.1 R		43.2	32.2 R
Cobalt	mg/Kg			11.9	11.2		12.5	14.2
Copper	mg/Kg			4860	704		12900	444
Iron	mg/Kg			27700	33400		33400	52000
Lead	mg/Kg			5730	14400 J		9380	1260 J
Magnesium	mg/Kg			8650	5690		6000	5930
Manganese	mg/Kg			529	751		672	656
Mercury	mg/Kg			0.09	0.23 J		0.42	0.18 J
Nickel	mg/Kg			37.9	36.7		48.8	47.2
Potassium	mg/Kg			2240	1930 J		2850	2030 J
Selenium	mg/Kg			0.74 J	0.19 J		1 J	0.28 J
Silver	mg/Kg			0.86 J	1.7 R		42.6	0.54 R
Sodium	mg/Kg			82.6 R	295 R		318 R	123 R
Thallium	mg/Kg			0.6 U	0.62 U		0.62 U	0.61 U
Vanadium	mg/Kg			27.5	25.3		29.9	28
Zinc	mg/Kg			966	13000		6530	775
Cyanide	mg/Kg			0.61 U	0.67 U		0.59 U	

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	PAD F	PAD F	PAD-F	PAD F	PAD-F
	DEPTH	2.0 feet	2.0 feet	2.0'	2.0'	2.0'	2.0'	2.0'
	DATE	12/03/92	12/03/92	12/12/91	12/10/91	12/10/91	12/10/91	12/10/91
	ES ID	BE-E-3	BE-E-3RE	BE-F-1-91	BE-F-2-91	BE-F-2-91DL	BE-F-2A-91	BE-F-2A-91DL
	LAB ID	175284	175284R1	150624	150658	150658DL	150659	150659
COMPOUND	UNITS							
Volatile Organic Compounds								
Chloromethane	ug/kg	13 U		11 U	11 U		11 U	
Bromomethane	ug/kg	13 U		11 U	11 U		11 U	
Vinyl Chloride	ug/kg	13 U		11 U	11 U		11 U	
Chloroethane	ug/kg	13 U		11 U	11 U		11 U	
Methylene Chloride	ug/kg	13 U		6 U	5 U		6 U	
Acetone	ug/kg	13 U		11 U	11 U		11 U	
Carbon Disulfide	ug/kg	13 U		6 U	5 U		6 U	
1,1-Dichloroethene	ug/kg	13 U		6 U	5 U		6 U	
1,1-Dichloroethane	ug/kg	13 U		6 U	5 U		6 U	
1,2-Dichloroethene (total)	ug/kg	13 U		6 U	5 U		6 U	
Chloroform	ug/kg	13 U		6 U	5 U		6 U	
1,2-Dichloroethane	ug/kg	13 U		6 U	5 U		6 U	
2-Butanone	ug/kg	13 U		11 U	11 U		11 U	
1,1,1-Trichloroethane	ug/kg	13 U		6 U	5 U		6 U	
Carbon Tetrachloride	ug/kg	13 U		6 U	5 U		6 U	
Vinyl Acetate	ug/kg			11 U	11 U		11 U	
Bromodichloromethane	ug/kg	13 U		6 U	5 U		6 U	
1,2-Dichloropropane	ug/kg	13 U		6 U	5 U		6 U	
cis-1,3-Dichloropropene	ug/kg	13 U		6 U	5 U		6 U	
Trichloroethene	ug/kg	13 U		6 U	5 U		6 U	
Dibromochloromethane	ug/kg	13 U		6 U	5 U		6 U	
1,1,2-Trichloroethane	ug/kg	13 U		6 U	5 U		6 U	
Benzene	ug/kg	13 U		6 U	1 J		6 U	
trans-1,3-Dichloropropene	ug/kg	13 U		6 U	5 U		6 U	
Bromoform	ug/kg	13 U		6 U	5 U		6 U	
4-Methyl-2-Pentanone	ug/kg	13 U		11 U	11 U		11 U	
2-Hexanone	ug/kg	13 U		11 U	11 U		11 U	
Tetrachloroethene	ug/kg	8 J		6 U	2 J		1 J	
1,1,2,2-Tetrachloroethane	ug/kg	13 U		6 U	5 U		6 U	
Toluene	ug/kg	13 U		6 U	5 J		2 J	
Chlorobenzene	ug/kg	13 U		6 U	5 U		6 U	
Ethylbenzene	ug/kg	13 U		6 U	5 U		6 U	
Styrene	ug/kg	13 U		6 U	5 U		6 U	
Xylene (total)	ug/kg	13 U		6 U	5 U		6 U	

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	PAD F	PAD F	PAD-F	PAD F	PAD-F
	DEPTH	2.0 feet	2.0 feet	2.0'	2.0'	2.0'	2.0'	2.0'
	DATE	12/03/92	12/03/92	12/12/91	12/10/91	12/10/91	12/10/91	12/10/91
	ES ID	BE-E-3	BE-E-3RE	BE-F-1-91	BE-F-2-91	BE-F-2-91DL	BE-F-2A-91	BE-F-2A-91DL
	LAB ID	175284	175284R1	150624	150658	150658DL	150659	150659
COMPOUND	UNITS							
Semivolatiles								
Phenol	ug/kg	420 U	420 U	720 U	730 U		720 U	
bis(2-Chloroethyl) ether	ug/kg	420 U	420 U	720 U	730 U		720 U	
2-Chlorophenol	ug/kg	420 U	420 U	720 U	730 U		720 U	
1,3-Dichlorobenzene	ug/kg	420 U	420 U	720 U	730 U		720 U	
1,4-Dichlorobenzene	ug/kg	420 U	420 U	720 U	730 U		720 U	
Benzyl Alcohol	ug/kg			720 U	730 U		720 U	
1,2-Dichlorobenzene	ug/kg	420 U	420 U	720 U	730 U		720 U	
2-Methylphenol	ug/kg	420 U	420 U	720 U	730 U		720 U	
2,2'-oxybis(1-Chloropropane)	ug/kg	420 U	420 U	720 U	730 U		720 U	
4-Methylphenol	ug/kg	420 U	420 U	720 U	730 U		720 U	
N-Nitroso-di-n-propylamine	ug/kg	420 U	420 U	720 U	730 U		720 U	
Hexachloroethane	ug/kg	420 U	420 U	720 U	730 U		720 U	
Nitrobenzene	ug/kg	420 U	420 U	720 U	730 U		720 U	
Isophorone	ug/kg	420 U	420 U	720 U	730 U		720 U	
2-Nitrophenol	ug/kg	420 U	420 U	720 U	730 U		720 U	
2,4-Dimethylphenol	ug/kg	420 U	420 U	720 U	730 U		720 U	
Benzoic acid	ug/kg			3500 U	3500 U		3500 U	
bis(2-Chloroethoxy) methane	ug/kg	420 U	420 U	720 U	730 U		720 U	
2,4-Dichlorophenol	ug/kg	420 U	420 U	720 U	730 U		720 U	
1,2,4-Trichlorobenzene	ug/kg	420 U	420 U	720 U	730 U		720 U	
Naphthalene	ug/kg	420 U	420 U	720 U	730 U		720 U	
4-Chloroaniline	ug/kg	420 U	420 U	720 U	730 U		720 U	
Hexachlorobutadiene	ug/kg	420 U	420 U	720 U	730 U		720 U	
4-Chloro-3-methylphenol	ug/kg	420 U	420 U	720 U	730 U		720 U	
2-Methylnaphthalene	ug/kg	420 U	420 U	720 U	730 U		720 U	
Hexachlorocyclopentadiene	ug/kg	420 U	420 U	720 U	730 U		720 U	
2,4,6-Trichlorophenol	ug/kg	420 U	420 U	720 U	730 U		720 U	
2,4,5-Trichlorophenol	ug/kg	1000 U	1000 U	3500 U	3500 U		3500 U	
2-Chloronaphthalene	ug/kg	420 U	420 U	720 U	730 U		720 U	
2-Nitroaniline	ug/kg	1000 U	1000 U	3500 U	3500 U		3500 U	
Dimethylphthalate	ug/kg	420 U	420 U	720 U	730 U		720 U	
Acenaphthylene	ug/kg	420 U	420 U	720 U	730 U		720 U	
2,6-Dinitrotoluene	ug/kg	350 J	130 J	720 U	100 J		250 J	
3-Nitroaniline	ug/kg	1000 U	1000 U	3500 U	3500 U		3500 U	
Acenaphthene	ug/kg	420 U	420 U	720 U	730 U		720 U	
2,4-Dinitrophenol	ug/kg	1000 U	1000 U	3500 U	3500 U		3500 U	
4-Nitrophenol	ug/kg	1000 U	1000 U	3500 U	3500 U		3500 U	
Dibenzofuran	ug/kg	420 U	420 U	720 U	730 U		720 U	
2,4-Dinitrotoluene	ug/kg	4400 J	1900 J	720 U	1400		4200	
Diethylphthalate	ug/kg	420 U	420 U	720 U	730 U		720 U	
4-Chlorophenyl-phenylether	ug/kg	420 U	420 U	720 U	730 U		720 U	
Fluorene	ug/kg	420 U	420 U	720 U	730 U		720 U	
4-Nitroaniline	ug/kg	1000 U	1000 U	3500 U	3500 U		3500 U	
4,6-Dinitro-2-methylphenol	ug/kg	1000 U	1000 U	3500 U	3500 U		3500 U	
N-Nitrosodiphenylamine	ug/kg	120 J	340 J	720 U	1000 J		580 J	
4-Bromophenyl-phenylether	ug/kg	420 U	420 U	720 U	730 U		720 U	
Hexachlorobenzene	ug/kg	420 U	420 U	720 U	730 U		720 U	
Pentachlorophenol	ug/kg	1000 U	1000 U	3500 U	3500 U		3500 U	
Phenanthrene	ug/kg	420 U	420 U	720 U	730 U		75 J	
Anthracene	ug/kg	420 U	420 U	720 U	730 U		720 U	
Carbazole	ug/kg	420 U	420 U					
Di-n-butylphthalate	ug/kg	1100	1000	720 U	200 J		3100 J	
Fluoranthene	ug/kg	420 U	420 U	720 U	730 U		66 J	
Pyrene	ug/kg	420 U	420 U	720 U	730 U		720 U	
Butylbenzylphthalate	ug/kg	420 U	420 U	720 U	730 U		720 U	
3,3'-Dichlorobenzidine	ug/kg	420 U	420 U	1400 U	1500 U		1400 U	
Benzo(a)anthracene	ug/kg	420 U	420 U	720 U	730 U		720 U	
Chrysene	ug/kg	420 U	420 U	720 U	730 U		720 U	
bis(2-Ethylhexyl)phthalate	ug/kg	190 J	420 U	720 U	730 U		89 J	
Di-n-octylphthalate	ug/kg	420 U	420 U	720 U	220 J		720 U	
Benzo(b)fluoranthene	ug/kg	420 U	420 U	720 U	730 U		720 U	
Benzo(k)fluoranthene	ug/kg	420 U	420 U	720 U	730 U		720 U	
Benzo(a)pyrene	ug/kg	420 U	420 U	720 U	730 U		720 U	
Indeno(1,2,3-cd)pyrene	ug/kg	420 U	420 U	720 U	730 U		720 U	
Dibenz(a,h)anthracene	ug/kg	420 U	420 U	720 U	730 U		720 U	
Benzo(g,h,i)perylene	ug/kg	420 U	420 U	720 U	730 U		720 U	

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SUMMARY OF VALIDATED RESULTS -- PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	PAD F	PAD F	PAD-F	PAD F	PAD-F
	DEPTH	2.0 feet	2.0 feet	2.0'	2.0'	2.0'	2.0'	2.0'
	DATE	12/03/92	12/03/92	12/12/91	12/10/91	12/10/91	12/10/91	12/10/91
	ES ID	BE-E-3	BE-E-3RE	BE-F-1-91	BE-F-2-91	BE-F-2-91DL	BE-F-2A-91	BE-F-2A-91DL
	LAB ID	175284	175284R1	150624	150658	150658DL	150659	150659
COMPOUND	UNITS							
Pesticides/PCBs								
alpha-BHC	ug/Kg	2.2 U		17 U	18 U		17 U	
beta-BHC	ug/Kg	2.2 U		17 U	18 U		17 U	
delta-BHC	ug/Kg	2.2 U		17 U	18 U		17 U	
gamma-BHC (Lindane)	ug/Kg	2.2 U		17 U	18 U		17 U	
Heptachlor	ug/Kg	2.2 U		17 U	18 U		17 U	
Aldrin	ug/Kg	3.2 J		17 U	18 U		17 U	
Heptachlor epoxide	ug/Kg	2.2 U		17 U	18 U		17 U	
Endosulfan I	ug/Kg	2.2 U		17 U	18 U		17 U	
Dieldrin	ug/Kg	4.2 U		35 U	35 U		35 U	
4,4'-DDE	ug/Kg	4.2 U		35 U	35 U		35 U	
Endrin	ug/Kg	4.2 U		35 U	35 U		35 U	
Endosulfan II	ug/Kg	4.2 U		35 U	35 U		35 U	
4,4'-DDD	ug/Kg	4.2 U		35 U	35 U		35 U	
Endosulfan sulfate	ug/Kg	4.2 U		35 U	35 U		35 U	
4,4'-DDT	ug/Kg	2.5 J		35 U	35 U		35 U	
Methoxychlor	ug/Kg	22 U		170 U	180 U		170 U	
Endrin ketone	ug/Kg	4.2 U		35 U	35 U		35 U	
Endrin aldehyde	ug/Kg	4.2 U						
alpha-Chlordane	ug/Kg	2.2 U		170 U	180 U		170 U	
gamma-Chlordane	ug/Kg	2.2 U		170 U	180 U		170 U	
Toxaphene	ug/Kg	220 U		350 U	350 U		350 U	
Aroclor-1016	ug/Kg	42 U		170 U	180 U		170 U	
Aroclor-1221	ug/Kg	86 U		170 U	180 U		170 U	
Aroclor-1232	ug/Kg	42 U		170 U	180 U		170 U	
Aroclor-1242	ug/Kg	42 U		170 U	180 U		170 U	
Aroclor-1248	ug/Kg	42 U		170 U	180 U		170 U	
Aroclor-1254	ug/Kg	42 U		350 U	350 U		350 U	
Aroclor-1260	ug/Kg	42 U		350 U	350 U		180 J	

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	PAD F	PAD F	PAD-F	PAD F	PAD-F
	DEPTH	2.0 feet	2.0 feet	2.0'	2.0'	2.0'	2.0'	2.0'
	DATE	12/03/92	12/03/92	12/12/91	12/10/91	12/10/91	12/10/91	12/10/91
	ES ID	BE-E-3	BE-E-3RE	BE-F-1-91	BE-F-2-91	BE-F-2-91DL	BE-F-2A-91	BE-F-2A-91DL
	LAB ID	175284	175284R1	150624	150658	150658DL	150659	150659
COMPOUND	UNITS							
Explosives								
HMX	ug/Kg	120 U		1000 U	1000 U	10000 R	1000 U	25000 R
RDX	ug/Kg	120 U		180	1000	1200 R	1100	3100 R
1,3,5-Trinitrobenzene	ug/Kg	120 U		110 J	7700 R	7800 J	5800 R	6800 J
1,3-Dinitrobenzene	ug/Kg	120 U		120 U	180	1200 R	200	3100 R
Tetryl	ug/Kg	120 U		400 U	400 U	4000 R	400 U	10000 R
2,4,6-Trinitrotoluene	ug/Kg	120 U		150	26000 R	25000 J	80000 R	80000 J
4-amino-2,6-Dinitrotoluene	ug/Kg	76 J		870	1300 J	1900 R	150 J	3100 R
2-amino-4,6-Dinitrotoluene	ug/Kg	70 J		1000	2500	2500 R	1800	2000 R
2,6-Dinitrotoluene	ug/Kg	120 U		120 U	120 U	1200 R	120 U	3100 R
2,4-Dinitrotoluene	ug/Kg	430		200	1600 J	1500 R	1600 J	1800 R
Metals								
Aluminum	mg/Kg	19500		14600	19900		21300	
Antimony	mg/Kg	12.6 R		5.5 R	21.3 R		19.9 R	
Arsenic	mg/Kg	6.1 J		8 R	9.5 R		15.4 R	
Barium	mg/Kg	699		674 R	3300		4570	
Beryllium	mg/Kg	1.1		0.85 R	0.71 R		0.78 R	
Cadmium	mg/Kg	5.1		3.5 J	10.1 J		11.4 J	
Calcium	mg/Kg	6080		6070	17200			
Chromium	mg/Kg	32.6		21.1 R	34.1 R		37 R	
Cobalt	mg/Kg	13.2		10.9	11.7		12.1	
Copper	mg/Kg	847		100	787		1770	
Iron	mg/Kg	32500		23600	47600		42200	
Lead	mg/Kg	1090		2350 J	5310 J		9340 J	
Magnesium	mg/Kg	6280		4700	6780		7570	
Manganese	mg/Kg	604		636	697		758	
Mercury	mg/Kg	0.24		0.25 J	0.09 J		0.3 J	
Nickel	mg/Kg	43.9		26	41.7		53.1	
Potassium	mg/Kg	2250		1360 J	2160 J		2500 J	
Selenium	mg/Kg	2.1 J		0.17 J	1 UJ		1.1 R	
Silver	mg/Kg	0.91 J		0.36 R	1.1 R		2.1 R	
Sodium	mg/Kg	109 R		72.9 J	335 J		414 J	
Thallium	mg/Kg	0.64 U		0.35 U	0.32 U		0.35 U	
Vanadium	mg/Kg	28.8		25.3	25.7		29.1	
Zinc	mg/Kg	958		138	2730		2160	
Cyanide	mg/Kg	0.6 U		0.65 U	2		2.2	

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	PAD G	PAD-G	PAD G	PAD G
	DEPTH	2.0 feet	2.0 feet	2.0 feet	2.5'	2.5'	4.0'	4.5'
	DATE	12/03/92	12/03/92	12/03/92	12/04/91	12/04/91	12/05/91	12/05/91
	ES ID	BE-F-5	BE-F-6	BE-F-6RE	BE-G-1-91	BE-G-1-91	BE-G-2-91	BE-G-3-91
	LAB ID	175287	175288	175288R1	150190	150190R1	150400	150401
	UNITS							
Volatile Organic Compounds								
Chloromethane	ug/kg	12 U	12 U		11 U		11 U	11 U
Bromomethane	ug/kg	12 U	12 U		11 U		11 U	11 U
Vinyl Chloride	ug/kg	12 U	12 U		11 U		11 U	11 U
Chloroethane	ug/kg	12 U	12 U		11 U		11 U	11 U
Methylene Chloride	ug/kg	12 U	12 U		6 U		6 U	6 U
Acetone	ug/kg	12 U	12 U		11 U		11 U	11 U
Carbon Disulfide	ug/kg	12 U	12 U		6 U		6 U	6 U
1,1-Dichloroethene	ug/kg	12 U	12 U		6 U		6 U	6 U
1,1-Dichloroethane	ug/kg	12 U	12 U		6 U		6 U	6 U
1,2-Dichloroethene (total)	ug/kg	12 U	12 U		6 U		6 U	6 U
Chloroform	ug/kg	12 U	12 U		6 U		6 U	6 U
1,2-Dichloroethane	ug/kg	12 U	12 U		6 U		6 U	6 U
2-Butanone	ug/kg	12 U	12 U		11 U		11 U	11 U
1,1,1-Trichloroethane	ug/kg	12 U	12 U		6 U		6 U	6 U
Carbon Tetrachloride	ug/kg	12 U	12 U		6 U		6 U	6 U
Vinyl Acetate	ug/kg				11 U		11 U	11 U
Bromodichloromethane	ug/kg	12 U	12 U		6 U		6 U	6 U
1,2-Dichloropropane	ug/kg	12 U	12 U		6 U		6 U	6 U
cis-1,3-Dichloropropene	ug/kg	12 U	12 U		6 U		6 U	6 U
Trichloroethene	ug/kg	12 U	12 U		1 J		6 U	6 U
Dibromochloromethane	ug/kg	12 U	12 U		6 U		6 U	6 U
1,1,2-Trichloroethane	ug/kg	12 U	12 U		6 U		6 U	6 U
Benzene	ug/kg	12 U	12 U		6 U		6 U	6 U
trans-1,3-Dichloropropene	ug/kg	12 U	12 U		6 U		6 U	6 U
Bromoform	ug/kg	12 U	12 U		6 U		6 U	6 U
4-Methyl-2-Pentanone	ug/kg	12 U	12 U		11 U		11 U	11 U
2-Hexanone	ug/kg	12 U	12 U		11 U		11 U	11 U
Tetrachloroethene	ug/kg	3 J	6 J		6 U		15	6 U
1,1,2,2-Tetrachloroethane	ug/kg	12 U	12 U		6 U		6 U	6 U
Toluene	ug/kg	12 U	12 U		6 U		6 U	1 J
Chlorobenzene	ug/kg	12 U	12 U		6 U		6 U	6 U
Ethylbenzene	ug/kg	12 U	12 U		6 U		6 U	6 U
Styrene	ug/kg	12 U	12 U		6 U		6 U	6 U
Xylene (total)	ug/kg	12 U	12 U		6 U		6 U	6 U

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	PAD G	PAD-G	PAD G	PAD G
	DEPTH	2.0 feet	2.0 feet	2.0 feet	2.5'	2.5'	4.0'	4.5'
	DATE	12/03/92	12/03/92	12/03/92	12/04/91	12/04/91	12/05/91	12/05/91
	ES ID	BE-F-5	BE-F-6	BE-F-6RE	BE-G-1-91	BE-G-1-91	BE-G-2-91	BE-G-3-91
	LAB ID	175287	175288	175288R1	150190	150190R1	150400	150401
	UNITS							
Semivolatiles								
Phenol	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
bis(2-Chloroethyl) ether	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
2-Chlorophenol	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
1,3-Dichlorobenzene	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
1,4-Dichlorobenzene	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
Benzyl Alcohol	ug/kg				730 U		730 U	750 U
1,2-Dichlorobenzene	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
2-Methylphenol	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
2,2'-oxybis(1-Chloropropane)	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
4-Methylphenol	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
N-Nitroso-di-n-propylamine	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
Hexachloroethane	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
Nitrobenzene	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
Isophorone	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
2-Nitrophenol	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
2,4-Dimethylphenol	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
Benzoic acid	ug/kg				3500 U		3500 U	3600 U
bis(2-Chloroethoxy) methane	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
2,4-Dichlorophenol	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
1,2,4-Trichlorobenzene	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
Naphthalene	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
4-Chloroaniline	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
Hexachlorobutadiene	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
4-Chloro-3-methylphenol	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
2-Methylnaphthalene	ug/kg	22 J	390 U	390 U	730 U		730 U	750 U
Hexachlorocyclopentadiene	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
2,4,6-Trichlorophenol	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
2,4,5-Trichlorophenol	ug/kg	980 U	950 U	950 U	3500 U		3500 U	3600 U
2-Chloronaphthalene	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
2-Nitroaniline	ug/kg	980 U	950 U	950 U	3500 U		3500 U	3600 U
Dimethylphthalate	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
Acenaphthylene	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
2,6-Dinitrotoluene	ug/kg	400 U	390 U	390 U	730 U		150 J	100 J
3-Nitroaniline	ug/kg	980 U	950 U	950 U	3500 U		3500 U	3600 U
Acenaphthene	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
2,4-Dinitrophenol	ug/kg	980 U	950 U	950 U	3500 U		3500 U	3600 U
4-Nitrophenol	ug/kg	980 U	950 U	950 U	3500 U		3500 U	3600 U
Dibenzofuran	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
2,4-Dinitrotoluene	ug/kg	180 J	46 J	18 J	730 U		2800	2500
Diethylphthalate	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
4-Chlorophenyl-phenylether	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
Fluorene	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
4-Nitroaniline	ug/kg	980 U	950 U	950 U	3500 U		3500 U	3600 U
4,6-Dinitro-2-methylphenol	ug/kg	980 U	950 U	950 U	3500 U		3500 U	3600 U
N-Nitrosodiphenylamine	ug/kg	400 U	390 U	390 U	730 U		530 J	270 J
4-Bromophenyl-phenylether	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
Hexachlorobenzene	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
Pentachlorophenol	ug/kg	980 U	950 U	950 U	3500 U		3500 U	3600 U
Phenanthrene	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
Anthracene	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
Carbazole	ug/kg	400 U	390 U	390 U				
Di-n-butylphthalate	ug/kg	140 J	390 U	390 U	730 U		730 U	140 J
Fluoranthene	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
Pyrene	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
Butylbenzylphthalate	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
3,3'-Dichlorobenzidine	ug/kg	400 U	390 U	390 U	1500 U		1500 U	1500 U
Benzo(a)anthracene	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
Chrysene	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
bis(2-Ethylhexyl)phthalate	ug/kg	320 J	210 J	390 U	730 U		730 U	750 U
Di-n-octylphthalate	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
Benzo(b)fluoranthene	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
Benzo(k) fluoranthene	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
Benzo(a)pyrene	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
Indeno(1,2,3-cd)pyrene	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
Dibenz(a,h)anthracene	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U
Benzo(g,h,i)perylene	ug/kg	400 U	390 U	390 U	730 U		730 U	750 U

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	PAD G	PAD-G	PAD G	PAD G
	DEPTH	2.0 feet	2.0 feet	2.0 feet	2.5'	2.5'	4.0'	4.5'
	DATE	12/03/92	12/03/92	12/03/92	12/04/91	12/04/91	12/05/91	12/05/91
	ES ID	BE-F-5	BE-F-6	BE-F-6RE	BE-G-1-91	BE-G-1-91	BE-G-2-91	BE-G-3-91
	LAB ID	175287	175288	175288R1	150190	150190R1	150400	150401
COMPOUND	UNITS							
Pesticides/PCBs								
alpha-BHC	ug/Kg	2.1 U	2 U	2 U	18 U		18 U	18 U
beta-BHC	ug/Kg	2.1 U	2 U	2 U	18 U		18 U	18 U
delta-BHC	ug/Kg	2.4 J	2 U	2 U	18 U		18 U	18 U
gamma-BHC (Lindane)	ug/Kg	2.1 U	2 U	2 U	18 U		18 U	18 U
Heptachlor	ug/Kg	2.1 U	2 U	2 U	18 U		18 U	18 U
Aldrin	ug/Kg	2.1 U	2 U	2 U	18 U		18 U	18 U
Heptachlor epoxide	ug/Kg	2.1 U	2 U	2 U	18 U		18 U	18 U
Endosulfan I	ug/Kg	2.1 U	2 U	2 U	18 U		18 U	18 U
Dieldrin	ug/Kg	4 U	3.9 U	3.9 U	35 U		35 U	36 U
4,4'-DDE	ug/Kg	4 U	3.9 U	3.9 U	35 U		35 U	36 U
Endrin	ug/Kg	4 U	3.9 U	3.9 U	35 U		35 U	36 U
Endosulfan II	ug/Kg	4 U	3.9 U	3.9 U	35 U		35 U	36 U
4,4'-DDD	ug/Kg	4 U	3.9 U	3.9 U	35 U		35 U	36 U
Endosulfan sulfate	ug/Kg	4 U	3.9 U	3.9 U	35 U		35 U	36 U
4,4'-DDT	ug/Kg	5.3 J	3.9 U	2.6 J	35 U		35 U	36 U
Methoxychlor	ug/Kg	21 U	20 U	20 U	180 U		180 U	180 U
Endrin ketone	ug/Kg	4 U	3.9 U	3.9 U	35 U		35 U	36 U
Endrin aldehyde	ug/Kg	4 U	3.9 U	3.9 U				
alpha-Chlordane	ug/Kg	2.1 U	2 U	2 U	180 U		180 U	180 U
gamma-Chlordane	ug/Kg	2.1 U	2 U	2 U	180 U		180 U	180 U
Toxaphene	ug/Kg	210 U	200 U	200 U	350 U		350 U	360 U
Arocior-1016	ug/Kg	40 U	39 U	39 U	180 U		180 U	180 U
Arocior-1221	ug/Kg	82 U	79 U	79 U	180 U		180 U	180 U
Arocior-1232	ug/Kg	40 U	39 U	39 U	180 U		180 U	180 U
Arocior-1242	ug/Kg	40 U	39 U	39 U	180 U		180 U	180 U
Arocior-1248	ug/Kg	40 U	39 U	39 U	180 U		180 U	180 U
Arocior-1254	ug/Kg	40 U	39 U	39 U	350 U		350 U	360 U
Arocior-1260	ug/Kg	40 U	39 U	39 U	350 U		350 U	360 U

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	PAD G	PAD-G	PAD G	PAD G
	DEPTH	2.0 feet	2.0 feet	2.0 feet	2.5'	2.5'	4.0'	4.5'
	DATE	12/03/92	12/03/92	12/03/92	12/04/91	12/04/91	12/05/91	12/05/91
	ES ID	BE-F-5	BE-F-6	BE-F-6RE	BE-G-1-91	BE-G-1-91	BE-G-2-91	BE-G-3-91
	LAB ID	175267	175268	175268R1	150190	150190R1	150400	150401
	UNITS							
Explosives								
HMX	ug/Kg	580	150		1100 UJ	960 UJ	980 U	930 U
RDX	ug/Kg	1300	170		83 J	120 UJ	120 U	120 U
1,3,5-Trinitrobenzene	ug/Kg	170	120 U		127 J	86 J	3900	350
1,3-Dinitrobenzene	ug/Kg	120 U	120 U		140 UJ	120 UJ	160	120 U
Tetryl	ug/Kg	120 U	120 U		450 UJ	380 UJ	390 U	370 U
2,4,6-Trinitrotoluene	ug/Kg	280	85 J		140 UJ	150 J	2100	760
4-amino-2,6-Dinitrotoluene	ug/Kg	650	270		710 J	370 J	1300	300
2-amino-4,6-Dinitrotoluene	ug/Kg	720	320		880 J	480 J	1800	320
2,6-Dinitrotoluene	ug/Kg	120 U	120 U		140 UJ	120 UJ	120 U	120 U
2,4-Dinitrotoluene	ug/Kg	300	110 J		100 J	78 J	670	800
Metals								
Aluminum	mg/Kg	18400	18300				20700	21100
Antimony	mg/Kg	17 R	11.8 R				115 R	35.7 R
Arsenic	mg/Kg	5.4 J	5.1 J				20	11.7 R
Barium	mg/Kg	975	563				4740	1400
Beryllium	mg/Kg	0.66	0.95				0.87 R	1 R
Cadmium	mg/Kg	2.2	0.41 J				6.9 J	9 J
Calcium	mg/Kg	11200	6640				14800	18000
Chromium	mg/Kg	31.1	25.3				32.2 R	71 R
Cobalt	mg/Kg	13.3	13.3				12.2	11.9
Copper	mg/Kg	263	118				5300	632
Iron	mg/Kg	36200	27000				34200	35200
Lead	mg/Kg	2290	2320				22400 J	7800 J
Magnesium	mg/Kg	6140	5410				9910	6080
Manganese	mg/Kg	682	577				662	947
Mercury	mg/Kg	1	0.17				0.19 J	0.42 J
Nickel	mg/Kg	38.9	31.5				39.9	33.9
Potassium	mg/Kg	2370	1750				2100 J	3430 J
Selenium	mg/Kg	1.2 J	1 J				1.9 R	0.17 R
Silver	mg/Kg	0.81 J	0.39 U				2.1 R	1.2 R
Sodium	mg/Kg	134 R	62.3 R				368 J	235 J
Thallium	mg/Kg	0.41 U	0.5 U				0.35 U	0.35 U
Vanadium	mg/Kg	26.2	29.2				26.9	33.8
Zinc	mg/Kg	389	134				1650	862
Cyanide	mg/Kg	0.73 U	0.72 U				0.64 U	0.64 U

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION		PAD-G	OB	OB	OB	OB	OB	PAD H
	DEPTH		3.0'	2.0 feet	2.0 feet	2.0 feet	2.0 feet	2.0 feet	4.0'
	DATE		12/05/91	12/04/92	12/07/92	12/07/92	12/07/92	12/07/92	12/12/91
	ES ID	I	BE-G-6-91	BE-G-11	BE-G-13	BE-G13RE	BE-G-14	BE-G14RE	BE-H-2-91
	LAB ID		150404	175293	175560	175560R1	175561	175561R1	150627
COMPOUND	UNITS						DUP BE-G-13		
Volatile Organic Compounds									
Chloromethane	ug/kg			12 U	12 U		12 U		11 U
Bromomethane	ug/kg			12 U	12 U		12 U		11 U
Vinyl Chloride	ug/kg			12 U	12 U		12 U		11 U
Chloroethane	ug/kg			12 U	12 U		12 U		11 U
Methylene Chloride	ug/kg			12 U	12 U		12 U		6 U
Acetone	ug/kg			12 U	12 U		12 U		11 U
Carbon Disulfide	ug/kg			12 U	12 U		12 U		6 U
1,1-Dichloroethene	ug/kg			12 U	12 U		12 U		6 U
1,1-Dichloroethane	ug/kg			12 U	12 U		12 U		6 U
1,2-Dichloroethene (total)	ug/kg			12 U	12 U		12 U		6 U
Chloroform	ug/kg			12 U	12 U		12 U		2 J
1,2-Dichloroethane	ug/kg			12 U	12 U		12 U		6 U
2-Butanone	ug/kg			12 U	12 U		12 U		11 U
1,1,1-Trichloroethane	ug/kg			12 U	12 U		12 U		6 U
Carbon Tetrachloride	ug/kg			12 U	12 U		12 U		6 U
Vinyl Acetate	ug/kg								11 U
Bromodichloromethane	ug/kg			12 U	12 U		12 U		6 U
1,2-Dichloropropane	ug/kg			12 U	12 U		12 U		6 U
cis-1,3-Dichloropropene	ug/kg			12 U	12 U		12 U		6 U
Trichloroethene	ug/kg			12 U	12 U		12 U		6 U
Dibromochloromethane	ug/kg			12 U	12 U		12 U		6 U
1,1,2-Trichloroethane	ug/kg			12 U	12 U		12 U		6 U
Benzene	ug/kg			12 U	12 U		12 U		6 U
trans-1,3-Dichloropropene	ug/kg			12 U	12 U		12 U		6 U
Bromoform	ug/kg			12 U	12 U		12 U		6 U
4-Methyl-2-Pentanone	ug/kg			12 U	12 U		12 U		11 U
2-Hexanone	ug/kg			12 U	12 U		12 U		11 U
Tetrachloroethene	ug/kg			12 U	12 U		2 J		110
1,1,2,2-Tetrachloroethane	ug/kg			12 U	12 U		12 U		6 U
Toluene	ug/kg			12 U	12 U		12 U		6 U
Chlorobenzene	ug/kg			12 U	12 U		12 U		6 U
Ethylbenzene	ug/kg			12 U	12 U		12 U		6 U
Styrene	ug/kg			12 U	12 U		12 U		6 U
Xylene (total)	ug/kg			12 U	12 U		12 U		6 U

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD-G	OB	OB	OB	OB	OB	PAD H
	DEPTH	3.0'	2.0 feet	2.0 feet	2.0 feet	2.0 feet	2.0 feet	4.0'
	DATE	12/05/91	12/04/92	12/07/92	12/07/92	12/07/92	12/07/92	12/12/91
	ES ID I	BE-G-6-91	BE-G-11	BE-G-13	BE-G13RE	BE-G-14	BE-G14RE	BE-H-2-91
	LAB ID	150404	175293	175560	175560R1	175561	175561R1	150627
COMPOUND	UNITS					DUP BE-G-13		
Semivolatiles								
Phenol	ug/kg		620 U	400 U		400 U	400 U	730 U
bis(2-Chloroethyl) ether	ug/kg		620 U	400 U		400 U	400 U	730 U
2-Chlorophenol	ug/kg		620 U	400 U		400 U	400 U	730 U
1,3-Dichlorobenzene	ug/kg		620 U	400 U		400 U	400 U	730 U
1,4-Dichlorobenzene	ug/kg		620 U	400 U		400 U	400 U	730 U
Benzyl Alcohol	ug/kg							730 U
1,2-Dichlorobenzene	ug/kg		620 U	400 U		400 U	400 U	730 U
2-Methylphenol	ug/kg		620 U	400 U		400 U	400 U	730 U
2,2'-oxybis(1-Chloropropane)	ug/kg		620 U	400 U		400 U	400 U	730 U
4-Methylphenol	ug/kg		620 U	400 U		400 U	400 U	730 U
N-Nitroso-di-n-propylamine	ug/kg		620 U	400 U		400 U	400 U	730 U
Hexachloroethane	ug/kg		620 U	400 U		400 U	400 U	730 U
Nitrobenzene	ug/kg		620 U	400 U		400 U	400 U	730 U
Isophorone	ug/kg		620 U	400 U		400 U	400 U	730 U
2-Nitrophenol	ug/kg		620 U	400 U		400 U	400 U	730 U
2,4-Dimethylphenol	ug/kg		620 U	400 U		400 U	400 U	730 U
Benzoic acid	ug/kg							3500 U
bis(2-Chloroethoxy) methane	ug/kg		620 U	400 U		400 U	400 U	730 U
2,4-Dichlorophenol	ug/kg		620 U	400 U		400 U	400 U	730 U
1,2,4-Trichlorobenzene	ug/kg		620 U	400 U		400 U	400 U	730 U
Naphthalene	ug/kg		88 J	400 U		400 U	400 U	730 U
4-Chloroaniline	ug/kg		620 U	400 U		400 U	400 U	730 U
Hexachlorobutadiene	ug/kg		620 U	400 U		400 U	400 U	730 U
4-Chloro-3-methylphenol	ug/kg		620 U	400 U		400 U	400 U	730 U
2-Methylnaphthalene	ug/kg		52 J	400 U		400 U	400 U	730 U
Hexachlorocyclopentadiene	ug/kg		620 U	400 U		400 U	400 U	730 U
2,4,6-Trichlorophenol	ug/kg		620 U	400 U		400 U	400 U	730 U
2,4,5-Trichlorophenol	ug/kg		1500 U	980 U		980 U	980 U	3500 U
2-Chloronaphthalene	ug/kg		620 U	400 U		400 U	400 U	730 U
2-Nitroaniline	ug/kg		1500 U	980 U		980 U	980 U	3500 U
Dimethylphthalate	ug/kg		620 U	400 U		400 U	400 U	730 U
Acenaphthylene	ug/kg		42 J	400 U		400 U	400 U	730 U
2,6-Dinitrotoluene	ug/kg		620 U	400 U		400 U	400 U	200 J
3-Nitroaniline	ug/kg		1500 U	980 U		980 U	980 U	3500 U
Acenaphthene	ug/kg		270 J	400 U		400 U	400 U	730 U
2,4-Dinitrophenol	ug/kg		1500 U	980 U		980 U	980 U	3500 U
4-Nitrophenol	ug/kg		1500 U	980 U		980 U	980 U	3500 U
Dibenzofuran	ug/kg		140 J	400 U		400 U	400 U	730 U
2,4-Dinitrotoluene	ug/kg		290 J	400 U		400 U	400 U	3600
Diethylphthalate	ug/kg		620 U	400 U		400 U	400 U	730 U
4-Chlorophenyl-phenylether	ug/kg		620 U	400 U		400 U	400 U	730 U
Fluorene	ug/kg		210 J	400 U		400 U	400 U	730 U
4-Nitroaniline	ug/kg		1500 U	980 U		980 U	980 U	3500 U
4,6-Dinitro-2-methylphenol	ug/kg		1500 U	980 U		980 U	980 U	3500 U
N-Nitrosodiphenylamine	ug/kg		500 J	400 U		400 U	400 U	120 J
4-Bromophenyl-phenylether	ug/kg		620 U	400 U		400 U	400 U	730 U
Hexachlorobenzene	ug/kg		620 U	400 U		400 U	400 U	730 U
Pentachlorophenol	ug/kg		1500 U	980 U		980 U	980 U	3500 U
Phenanthrene	ug/kg		2600	14 J		400 U	400 U	730 U
Anthracene	ug/kg		440 J	400 U		400 U	400 U	730 U
Carbazole	ug/kg		1000	400 U		400 U	400 U	
Di-n-butylphthalate	ug/kg		130 J	13 J		400 U	400 U	540 J
Fluoranthene	ug/kg		4400	22 J		400 U	400 U	730 U
Pyrene	ug/kg		5600 J	17 J		400 U	400 U	730 U
Butylbenzylphthalate	ug/kg		620 U	400 U		400 U	400 U	730 U
3,3'-Dichlorobenzidine	ug/kg		620 U	400 U		400 U	400 U	1500 U
Benzo(a)anthracene	ug/kg		3900	400 U		400 U	400 U	730 U
Chrysene	ug/kg		8900 J	400 U		400 U	400 U	730 U
bis(2-Ethylhexyl)phthalate	ug/kg		360 J	42 J		400 U	30 J	730 U
Di-n-octylphthalate	ug/kg		620 U	400 U		400 U	400 U	730 U
Benzo(b)fluoranthene	ug/kg		11000 J	14 J		400 U	400 U	730 U
Benzo(k)fluoranthene	ug/kg		4500	400 U		400 U	400 U	730 U
Benzo(a)pyrene	ug/kg		3700	400 U		400 U	400 U	730 U
Indeno(1,2,3-cd)pyrene	ug/kg		2300	400 U		400 U	400 U	730 U
Dibenz(a,h)anthracene	ug/kg		290 J	400 U		400 U	400 U	730 U
Benzo(g,h,i)perylene	ug/kg		810	400 U		400 U	400 U	730 U

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION		PAD-G	OB	OB	OB	OB	OB	PAD H
	DEPTH		3.0'	2.0 feet	2.0 feet	2.0 feet	2.0 feet	2.0 feet	4.0'
	DATE		12/05/91	12/04/92	12/07/92	12/07/92	12/07/92	12/07/92	12/12/91
	ES ID	I	BE-G-6-91	BE-G-11	BE-G-13	BE-G13RE	BE-G-14	BE-G14RE	BE-H-2-91
	LAB ID		150404	175293	175560	175560R1	175561	175561R1	150627
COMPOUND	UNITS						DUP BE-G-13		
Pesticides/PCBs									
alpha-BHC	ug/Kg			21 U	2.1 U	2.1 U	2 U		18 U
beta-BHC	ug/Kg			21 U	2.1 U	2.1 U	2 U		18 U
delta-BHC	ug/Kg			21 U	2.1 U	2.1 U	2 U		18 U
gamma-BHC (Lindane)	ug/Kg			21 U	2.1 U	2.1 U	2 U		18 U
Heptachlor	ug/Kg			21 U	2.1 U	2.1 U	2 U		18 U
Aldrin	ug/Kg			21 U	2.1 U	2.1 U	2 U		18 U
Heptachlor epoxide	ug/Kg			21 U	2.1 U	2.1 U	2 U		18 U
Endosulfan I	ug/Kg			21 U	2.1 U	2.1 U	2 U		18 U
Dieldrin	ug/Kg			41 U	4.1 U	4.1 U	4 U		35 U
4,4'-DDE	ug/Kg			32 J	4.1 U	2.7 J	3.8 J		35 U
Endrin	ug/Kg			41 U	4.1 U	4.1 U	4 U		35 U
Endosulfan II	ug/Kg			41 U	4.1 U	4.1 U	4 U		35 U
4,4'-DDD	ug/Kg			41 U	4.1 U	4.1 U	4 U		35 U
Endosulfan sulfate	ug/Kg			41 U	4.1 U	4.1 U	4 U		35 U
4,4'-DDT	ug/Kg			92 J	4.1 U	3.7 J	4.4 J		35 U
Methoxychlor	ug/Kg			210 U	21 U	21 U	20 U		180 U
Endrin ketone	ug/Kg			41 U	4.1 U	4.1 U	4 U		35 U
Endrin aldehyde	ug/Kg			41 U	4.1 U	4.1 U	4 U		
alpha-Chlordane	ug/Kg			21 U	2.1 U	2.1 U	2 U		180 U
gamma-Chlordane	ug/Kg			21 U	2.1 U	2.1 U	2 U		180 U
Toxaphene	ug/Kg			2100 U	210 U	210 U	200 U		350 U
Aroclor-1016	ug/Kg			410 U	41 U	41 U	40 U		180 U
Aroclor-1221	ug/Kg			820 U	83 U	83 U	81 U		180 U
Aroclor-1232	ug/Kg			410 U	41 U	41 U	40 U		180 U
Aroclor-1242	ug/Kg			410 U	41 U	41 U	40 U		180 U
Aroclor-1248	ug/Kg			410 U	41 U	41 U	40 U		180 U
Aroclor-1254	ug/Kg			410 U	41 U	41 U	40 U		350 U
Aroclor-1260	ug/Kg			410 U	41 U	41 U	40 U		350 U

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD-G	OB	OB	OB	OB	OB	PAD H
	DEPTH	3.0'	2.0 feet	2.0 feet	2.0 feet	2.0 feet	2.0 feet	4.0'
	DATE	12/05/91	12/04/92	12/07/92	12/07/92	12/07/92	12/07/92	12/12/91
	ES ID I	BE-G-8-91	BE-G-11	BE-G-13	BE-G13RE	BE-G-14	BE-G14RE	BE-H-2-91
	LAB ID	150404	175293	175560	175560R1	175561	175561R1	150627
COMPOUND	UNITS					DUP BE-G-13		
Explosives								
HMX	ug/Kg		120 U	120 U		120 U		1000 U
RDX	ug/Kg		120 U	120 U		120 U		120 U
1,3,5-Trinitrobenzene	ug/Kg		170	120 U		120 U		330
1,3-Dinitrobenzene	ug/Kg		120 U	120 U		120 U		120 U
Tetryl	ug/Kg		120 U	120 U		120 U		400 U
2,4,6-Trinitrotoluene	ug/Kg		120 U	120 U		120 U		110 J
4-amino-2,6-Dinitrotoluene	ug/Kg		70 J	120 U		120 U		190
2-amino-4,6-Dinitrotoluene	ug/Kg		110 J	120 U		120 U		110 J
2,6-Dinitrotoluene	ug/Kg		120 U	120 U		120 U		120 U
2,4-Dinitrotoluene	ug/Kg		260	120 U		120 U		230
Metals								
Aluminum	mg/Kg	38900	26100	15000		13000		13400
Antimony	mg/Kg	8.7 R	23 R	6 U R		12.6 R		40.6 R
Arsenic	mg/Kg	0.86 R	6 J	6.2 J		5.6 J		25.6
Barium	mg/Kg	2890	1650	206		191		2580
Beryllium	mg/Kg	0.99 R	0.65	0.82		0.77		0.59 R
Cadmium	mg/Kg	27.9	26	0.52 J		0.73		6.1 J
Calcium	mg/Kg	30000	41900	9190		7140		6580
Chromium	mg/Kg	87.8 R	109	24.4		20.7		27.8 R
Cobalt	mg/Kg	11.2	12.7	12.1		11.2		8
Copper	mg/Kg	998	918	66.1		69.2		1930
Iron	mg/Kg	29700	36200	28600		23700		25900
Lead	mg/Kg	8710 J	5450	249 J		5250 J		6900 J
Magnesium	mg/Kg	8230	9540	5200		4140		5620
Manganese	mg/Kg	584	602	557		513		487
Mercury	mg/Kg	0.1 J	0.06 J	0.12 J		0.13		0.13 J
Nickel	mg/Kg	64.5	57.7	33.1		28.2		25.9
Potassium	mg/Kg	2660 J	2530	1120		974		1120 J
Selenium	mg/Kg	0.12 R	0.92 J	1.4 J		1.2 J		0.34 R
Silver	mg/Kg	15.3	3.7	0.35 U		0.57 J		0.98 R
Sodium	mg/Kg	516 J	656 R	54.2 R		39.9 R		110 J
Thallium	mg/Kg	0.39 U	0.49 U	0.57 U		0.46 U		0.34 U
Vanadium	mg/Kg	41.4	35.6	25.8		22.7		20.5
Zinc	mg/Kg	5300	4040	281		239		1590
Cyanide	mg/Kg	0.7 U	0.72 U	0.75 U		0.73 U		0.59 U

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD H	OB	PAD J	PAD J	PAD J	OB	OB
	DEPTH	4.0'	2.0 feet	3.0'	3.0'	3.0'	2.0 feet	2.0 feet
	DATE	12/10/91	12/04/92	12/06/91	12/06/91	12/06/91	12/07/92	12/07/92
	ES ID	BE-H-3-91	BE-H-5	BE-J-4-9	BE-J-5-91	BE-J-6-91	BE-J-8	BE-J8RE
	LAB ID	150662	175294	150409	150410	150411	175562	175562R1
	UNITS							
Volatile Organic Compounds								
Chloromethane	ug/kg	12 U	11 U	12 U	11 U	11 U	12 U	
Bromomethane	ug/kg	12 U	11 U	12 U	11 U	11 U	12 U	
Vinyl Chloride	ug/kg	12 U	11 U	12 U	11 U	11 U	12 U	
Chloroethane	ug/kg	12 U	11 U	12 U	11 U	11 U	12 U	
Methylene Chloride	ug/kg	6 U	11 U	6 U	5 U	6 U	5 J	
Acetone	ug/kg	12 U	11 U	12 U	11 U	11 U	12 U	
Carbon Disulfide	ug/kg	6 U	11 U	6 U	5 U	6 U	12 U	
1,1-Dichloroethene	ug/kg	6 U	11 U	6 U	5 U	6 U	12 U	
1,1-Dichloroethane	ug/kg	6 U	11 U	6 U	5 U	6 U	12 U	
1,2-Dichloroethene (total)	ug/kg	6 U	11 U	6 U	5 U	6 U	12 U	
Chloroform	ug/kg	6 U	11 U	6 U	5 U	6 U	12 U	
1,2-Dichloroethane	ug/kg	6 U	11 U	6 U	5 U	6 U	12 U	
2-Butanone	ug/kg	12 U	11 U	12 U	11 U	11 U	12 U	
1,1,1-Trichloroethane	ug/kg	6 U	11 U	6 U	5 U	6 U	12 U	
Carbon Tetrachloride	ug/kg	6 U	11 U	6 U	5 U	6 U	12 U	
Vinyl Acetate	ug/kg	12 U		12 U	11 U	11 U		
Bromodichloromethane	ug/kg	6 U	11 U	6 U	5 U	6 U	12 U	
1,2-Dichloropropane	ug/kg	6 U	11 U	6 U	5 U	6 U	12 U	
cis-1,3-Dichloropropene	ug/kg	6 U	11 U	6 U	5 U	6 U	12 U	
Trichloroethene	ug/kg	6 U	11 U	6 U	5 U	6 U	12 U	
Dibromochloromethane	ug/kg	6 U	11 U	6 U	5 U	6 U	12 U	
1,1,2-Trichloroethane	ug/kg	6 U	11 U	6 U	5 U	6 U	12 U	
Benzene	ug/kg	6 U	11 U	6 U	5 U	6 U	12 U	
trans-1,3-Dichloropropene	ug/kg	6 U	11 U	6 U	5 U	6 U	12 U	
Bromoform	ug/kg	6 U	11 U	6 U	5 U	6 U	12 U	
4-Methyl-2-Pentanone	ug/kg	12 U	11 U	12 U	11 U	11 U	12 U	
2-Hexanone	ug/kg	12 U	11 U	12 U	11 U	11 U	12 U	
Tetrachloroethene	ug/kg	6 U	11 U	6 U	5 U	6 U	12 U	
1,1,2,2-Tetrachloroethane	ug/kg	6 U	11 U	6 U	5 U	6 U	12 U	
Toluene	ug/kg	6 U	11 U	6 U	5 U	1 J	12 U	
Chlorobenzene	ug/kg	6 U	11 U	6 U	5 U	6 U	12 U	
Ethylbenzene	ug/kg	6 U	11 U	6 U	5 U	6 U	12 U	
Styrene	ug/kg	6 U	11 U	6 U	5 U	6 U	12 U	
Xylene (total)	ug/kg	6 U	11 U	6 U	5 U	6 U	12 U	

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD H	OB	PAD J	PAD J	PAD J	OB	OB
	DEPTH	4.0'	2.0 feet	3.0'	3.0'	3.0'	2.0 feet	2.0 feet
	DATE	12/10/91	12/04/92	12/06/91	12/06/91	12/06/91	12/07/92	12/07/92
	ES ID	BE-H-3-91	BE-H-5	BE-J-4-9	BE-J-5-91	BE-J-6-91	BE-J-8	BE-J8RE
	LAB ID	150662	175294	150409	150410	150411	175562	175562R1
COMPOUND	UNITS							
Semivolatiles								
Phenol	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
bis(2-Chloroethyl) ether	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
2-Chlorophenol	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
1,3-Dichlorobenzene	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
1,4-Dichlorobenzene	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
Benzyl Alcohol	ug/kg	750 U		750 U	700 U	720 U		
1,2-Dichlorobenzene	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
2-Methylphenol	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
2,2'-oxybis(1-Chloropropane)	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
4-Methylphenol	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
N-Nitroso-di-n-propylamine	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
Hexachloroethane	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
Nitrobenzene	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
Isophorone	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
2-Nitrophenol	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
2,4-Dimethylphenol	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
Benzoic acid	ug/kg	3600 U		88 J	3400 U	3500 U		
bis(2-Chloroethoxy) methane	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
2,4-Dichlorophenol	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
1,2,4-Trichlorobenzene	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
Naphthalene	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
4-Chloroaniline	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
Hexachlorobutadiene	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
4-Chloro-3-methylphenol	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
2-Methylnaphthalene	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
Hexachlorocyclopentadiene	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
2,4,6-Trichlorophenol	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
2,4,5-Trichlorophenol	ug/kg	3600 U	960 U	3600 U	3400 U	3500 U	970 U	
2-Chloronaphthalene	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
2-Nitroaniline	ug/kg	3600 U	960 U	3600 U	3400 U	3500 U	970 U	
Dimethylphthalate	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
Acenaphthylene	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
2,6-Dinitrotoluene	ug/kg	760	43 J	750 U	700 U	720 U	400 U	
3-Nitroaniline	ug/kg	3600 U	960 U	3600 U	3400 U	3500 U	970 U	
Acenaphthene	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
2,4-Dinitrophenol	ug/kg	3600 U	960 U	3600 U	3400 U	3500 U	970 U	
4-Nitrophenol	ug/kg	3600 U	960 U	3600 U	3400 U	3500 U	970 U	
Dibenzofuran	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
2,4-Dinitrotoluene	ug/kg	12000 J	520 J	750 U	700 U	720 U	400 U	
Diethylphthalate	ug/kg	750 U	14 J	750 U	700 U	720 U	400 U	
4-Chlorophenyl-phenylether	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
Fluorene	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
4-Nitroaniline	ug/kg	3600 U	960 U	3600 U	3400 U	3500 U	970 U	
4,6-Dinitro-2-methylphenol	ug/kg	3600 U	960 U	3600 U	3400 U	3500 U	970 U	
N-Nitrosodiphenylamine	ug/kg	1500	400 U	750 U	700 U	720 U	400 U	
4-Bromophenyl-phenylether	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
Hexachlorobenzene	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
Pentachlorophenol	ug/kg	3600 U	960 U	3600 U	3400 U	3500 U	970 U	
Phenanthrene	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
Anthracene	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
Carbazole	ug/kg		400 U				400 U	
Di-n-butylphthalate	ug/kg	430 J	400 U	750 U	700 U	720 U	20 J	
Fluoranthene	ug/kg	750 U	400 U	750 U	700 U	720 U	26 J	
Pyrene	ug/kg	750 U	400 U	750 U	700 U	720 U	24 J	
Butylbenzylphthalate	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
3,3'-Dichlorobenzidine	ug/kg	1500 U	400 U	1500 U	1400 U	1400 U	400 U	
Benzo(a)anthracene	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
Chrysene	ug/kg	750 U	400 U	750 U	700 U	720 U	25 J	
bis(2-Ethylhexyl)phthalate	ug/kg	750 U	400 U	750 U	700 U	720 U	32 J	
Di-n-octylphthalate	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
Benzo(b)fluoranthene	ug/kg	750 U	400 U	750 U	700 U	720 U	23 J	
Benzo(k)fluoranthene	ug/kg	750 U	400 U	750 U	700 U	720 U	21 J	
Benzo(a)pyrene	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
Indeno(1,2,3-cd)pyrene	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
Dibenz(a,h)anthracene	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	
Benzo(g,h,i)perylene	ug/kg	750 U	400 U	750 U	700 U	720 U	400 U	

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD H	OB	PAD J	PAD J	PAD J	OB	OB
	DEPTH	4.0'	2.0 feet	3.0'	3.0'	3.0'	2.0 feet	2.0 feet
	DATE	12/10/91	12/04/92	12/06/91	12/06/91	12/06/91	12/07/92	12/07/92
	ES ID	BE-H-3-91	BE-H-5	BE-J-4-9	BE-J-5-91	BE-J-6-91	BE-J-8	BE-J8RE
	LAB ID	150662	175294	150409	150410	150411	175562	175562R1
COMPOUND	UNITS							
Pesticides/PCBs								
alpha-BHC	ug/Kg	18 U	2 U	18 U	17 U	18 U	2.1 U	2.1 U
beta-BHC	ug/Kg	18 U	2 U	18 U	17 U	18 U	2.1 U	2.1 U
delta-BHC	ug/Kg	18 U	2 U	18 U	17 U	18 U	2.1 U	2.1 U
gamma-BHC (Lindane)	ug/Kg	18 U	2 U	18 U	17 U	18 U	2.1 U	2.1 U
Heptachlor	ug/Kg	18 U	2 U	18 U	17 U	18 U	2.1 U	2.1 U
Aldrin	ug/Kg	18 U	2 U	18 U	17 U	18 U	2.1 U	2.1 U
Heptachlor epoxide	ug/Kg	18 U	2 U	18 U	17 U	18 U	2.1 U	2.1 U
Endosulfan I	ug/Kg	18 U	2 U	18 U	17 U	18 U	2.1 U	2.1 U
Dieldrin	ug/Kg	36 U	3.9 U	36 U	34 U	35 U	4 U	4 U
4,4'-DDE	ug/Kg	36 U	3.2 J	36 U	34 U	35 U	4.9 J	18
Endrin	ug/Kg	36 U	3.9 U	36 U	34 U	35 U	4 U	4 U
Endosulfan II	ug/Kg	36 U	3.9 U	36 U	34 U	35 U	4 U	4 U
4,4'-DDD	ug/Kg	36 U	3.9 U	36 U	34 U	35 U	4 U	4 U
Endosulfan sulfate	ug/Kg	36 U	3.9 U	36 U	34 U	35 U	4 U	4 U
4,4'-DDT	ug/Kg	36 U	3.6 J	36 U	34 U	35 U	4.6 J	17
Methoxychlor	ug/Kg	180 U	20 U	180 U	170 U	180 U	21 U	21 U
Endrin ketone	ug/Kg	36 U	3.9 U	36 U	34 U	35 U	4 U	4 U
Endrin aldehyde	ug/Kg		3.9 U				4 U	4 U
alpha-Chlordane	ug/Kg	180 U	2 U	180 U	170 U	180 U	2.1 U	2.1 U
gamma-Chlordane	ug/Kg	180 U	2 U	180 U	170 U	180 U	2.1 U	2.1 U
Toxaphene	ug/Kg	360 U	200 U	360 U	340 U	350 U	210 U	210 U
Aroclor-1016	ug/Kg	180 U	39 U	180 U	170 U	180 U	40 U	40 U
Aroclor-1221	ug/Kg	180 U	80 U	180 U	170 U	180 U	81 U	81 U
Aroclor-1232	ug/Kg	180 U	39 U	180 U	170 U	180 U	40 U	40 U
Aroclor-1242	ug/Kg	180 U	39 U	180 U	170 U	180 U	40 U	40 U
Aroclor-1248	ug/Kg	180 U	39 U	180 U	170 U	180 U	40 U	40 U
Aroclor-1254	ug/Kg	360 U	39 U	360 U	340 U	350 U	40 U	40 U
Aroclor-1260	ug/Kg	360 U	39 U	360 U	340 U	350 U	40 U	40 U

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD H	OB	PAD J	PAD J	PAD J	OB	OB
	DEPTH	4.0'	2.0 feet	3.0'	3.0'	3.0'	2.0 feet	2.0 feet
	DATE	12/10/91	12/04/92	12/06/91	12/06/91	12/06/91	12/07/92	12/07/92
	ES ID	BE-H-3-91	BE-H-5	BE-J-4-9	BE-J-5-91	BE-J-6-91	BE-J-8	BE-J8RE
	LAB ID	150662	175294	150409	150410	150411	175562	175562R1
COMPOUND	UNITS							
Explosives								
HMX	ug/Kg	1000 U	120 U	990 U	1000 U	990 U	120 U	
RDX	ug/Kg	120 U	120 U	120 U	120 U	120 U	120 U	
1,3,5-Trinitrobenzene	ug/Kg	320	80 J	120 U	120 U	120 U	120 U	
1,3-Dinitrobenzene	ug/Kg	120 U	120 U	120 U	120 U	120 U	120 U	
Tetryl	ug/Kg	400 U	120 U	390 U	400 U	390 U	120 U	
2,4,6-Trinitrotoluene	ug/Kg	210	120 U	120 U	120 U	120 U	120 U	
4-amino-2,6-Dinitrotoluene	ug/Kg	540	66 J	120 U	120 U	120 U	120 U	
2-amino-4,6-Dinitrotoluene	ug/Kg	440	71 J	120 U	120 U	120 U	120 U	
2,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U	120 U	120 U	
2,4-Dinitrotoluene	ug/Kg	1500 J	240	120 U	170	92 J	120 U	
Metals								
Aluminum	mg/Kg	18700	19100	16700	13800	16000	15700	
Antimony	mg/Kg	108 R	6.5 U R	5.4 R	5.1 R	5.5 R	7.7 R	
Arsenic	mg/Kg	25	11.5 J	4.1 R	3.4 R	4.6 R	5.9 J	
Barium	mg/Kg	4400	883	213 R	136 R	470 R	2200	
Beryllium	mg/Kg	0.73 R	0.89	0.9 R	0.74 R	0.95 R	0.77	
Cadmium	mg/Kg	5.6 J	0.95	3.4 J	4.5 J	3.4 J	0.73	
Calcium	mg/Kg	9640	15500	3310	8200	7930	7430	
Chromium	mg/Kg	35.4 R	26.9	19 R	21.8 R	19.9 J	22.7	
Cobalt	mg/Kg	12.7	12.7	9.7	7.4	7.9	10.4	
Copper	mg/Kg	2900	427	29.6	137	59.9	54.1	
Iron	mg/Kg	38000	26500	24100	18500	20800	23400	
Lead	mg/Kg	24200 J	1370	32.4 J	644 J	48 J	363	
Magnesium	mg/Kg	8450	5660	3320	3650	4270	5390	
Manganese	mg/Kg	732	699	978	451	802	599	
Mercury	mg/Kg	0.52 J	0.13	0.37 J	0.27 J	0.39 J	0.18	
Nickel	mg/Kg	42.5	29.6	15.7	21.9	20	24.5	
Potassium	mg/Kg	1900 J	2670	1550 J	1150 J	1380 J	1410	
Selenium	mg/Kg	2.4 R	1.2 J	0.1 R	0.1 R	0.1 R	0.53 J	
Silver	mg/Kg	1.4 R	0.38 U	0.34 U	0.45 R	0.55 R	0.38 U	
Sodium	mg/Kg	312 J	82.6 R	54.7 J	54.5 J	56 J	113 R	
Thallium	mg/Kg	0.35 U	0.42 U	0.33 U	0.32 U	0.33 U	0.47 U	
Vanadium	mg/Kg	28.2	32.5	30.1	24	26.5	26.1	
Zinc	mg/Kg	992	303	138	903	156	446	
Cyanide	mg/Kg	0.6 U	0.67 U	0.66 U	0.62 U	0.44 U	0.71 U	

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB
	DEPTH	2.0 feet	2.0 feet	2.0 feet	2.0 feet	2.0 feet
	DATE	12/07/92	12/07/92	12/07/92	12/07/92	12/07/92
	ES ID	BE-J-10	BE-J-13	BE-J13RE	BE-J-14	BE-J14RE
	LAB ID	175564	175567	175567R1	175568	175568R1
COMPOUND	UNITS				DUP BE-J-10	
Volatile Organic Compounds						
Chloromethane	ug/kg	12 U	12 U	12 U	13 U	
Bromomethane	ug/kg	12 U	12 U	12 U	13 U	
Vinyl Chloride	ug/kg	12 U	12 U	12 U	13 U	
Chloroethane	ug/kg	12 U	12 U	12 U	13 U	
Methylene Chloride	ug/kg	12 U	2 J	5 J	13 U	
Acetone	ug/kg	12 U	12 U	12 U	13 U	
Carbon Disulfide	ug/kg	12 U	12 U	12 U	13 U	
1,1-Dichloroethene	ug/kg	12 U	12 U	12 U	13 U	
1,1-Dichloroethane	ug/kg	12 U	12 U	12 U	13 U	
1,2-Dichloroethene (total)	ug/kg	12 U	12 U	12 U	13 U	
Chloroform	ug/kg	12 U	12 U	12 U	13 U	
1,2-Dichloroethane	ug/kg	12 U	12 U	12 U	13 U	
2-Butanone	ug/kg	12 U	12 U	12 U	13 U	
1,1,1-Trichloroethane	ug/kg	12 U	12 U	12 U	13 U	
Carbon Tetrachloride	ug/kg	12 U	12 U	12 U	13 U	
Vinyl Acetate	ug/kg					
Bromodichloromethane	ug/kg	12 U	12 U	12 U	13 U	
1,2-Dichloropropane	ug/kg	12 U	12 U	12 U	13 U	
cis-1,3-Dichloropropene	ug/kg	12 U	12 U	12 U	13 U	
Trichloroethene	ug/kg	12 U	12 U	12 U	13 U	
Dibromochloromethane	ug/kg	12 U	12 U	12 U	13 U	
1,1,2-Trichloroethane	ug/kg	12 U	12 U	12 U	13 U	
Benzene	ug/kg	12 U	12 U	12 U	13 U	
trans-1,3-Dichloropropene	ug/kg	12 U	12 U	12 U	13 U	
Bromoform	ug/kg	12 U	12 U	12 U	13 U	
4-Methyl-2-Pentanone	ug/kg	12 U	12 U	12 U	13 U	
2-Hexanone	ug/kg	12 U	12 U	12 U	13 U	
Tetrachloroethene	ug/kg	12 U	25 J	67 J	13 U	
1,1,2,2-Tetrachloroethane	ug/kg	12 U	12 U	12 U	13 U	
Toluene	ug/kg	12 U	12 U	12 U	13 U	
Chlorobenzene	ug/kg	12 U	12 U	12 U	13 U	
Ethylbenzene	ug/kg	12 U	12 U	12 U	13 U	
Styrene	ug/kg	12 U	12 U	12 U	13 U	
Xylene (total)	ug/kg	12 U	12 U	12 U	13 U	

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB
	DEPTH	2.0 feet	2.0 feet	2.0 feet	2.0 feet	2.0 feet
	DATE	12/07/92	12/07/92	12/07/92	12/07/92	12/07/92
	ES ID	BE-J-10	BE-J-13	BE-J13RE	BE-J-14	BE-J14RE
	LAB ID	175564	175567	175567R1	175568	175568R1
COMPOUND	UNITS				DUP BE-J-10	
Semivolatiles						
Phenol	ug/kg	420 U	410 U		400 U	
bis(2-Chloroethyl) ether	ug/kg	420 U	410 U		400 U	
2-Chlorophenol	ug/kg	420 U	410 U		400 U	
1,3-Dichlorobenzene	ug/kg	420 U	410 U		400 U	
1,4-Dichlorobenzene	ug/kg	420 U	410 U		400 U	
Benzyl Alcohol	ug/kg					
1,2-Dichlorobenzene	ug/kg	420 U	410 U		400 U	
2-Methylphenol	ug/kg	420 U	410 U		400 U	
2,2'-oxybis(1-Chloropropane)	ug/kg	420 U	410 U		400 U	
4-Methylphenol	ug/kg	420 U	410 U		400 U	
N-Nitroso-di-n-propylamine	ug/kg	420 U	410 U		400 U	
Hexachloroethane	ug/kg	420 U	410 U		400 U	
Nitrobenzene	ug/kg	420 U	410 U		400 U	
Isophorone	ug/kg	420 U	410 U		400 U	
2-Nitrophenol	ug/kg	420 U	410 U		400 U	
2,4-Dimethylphenol	ug/kg	420 U	410 U		400 U	
Benzoic acid	ug/kg					
bis(2-Chloroethoxy) methane	ug/kg	420 U	410 U		400 U	
2,4-Dichlorophenol	ug/kg	420 U	410 U		400 U	
1,2,4-Trichlorobenzene	ug/kg	420 U	410 U		400 U	
Naphthalene	ug/kg	420 U	26 J		400 U	
4-Chloroaniline	ug/kg	420 U	410 U		400 U	
Hexachlorobutadiene	ug/kg	420 U	410 U		400 U	
4-Chloro-3-methylphenol	ug/kg	420 U	410 U		400 U	
2-Methylnaphthalene	ug/kg	420 U	410 U		400 U	
Hexachlorocyclopentadiene	ug/kg	420 U	410 U		400 U	
2,4,6-Trichlorophenol	ug/kg	420 U	410 U		400 U	
2,4,5-Trichlorophenol	ug/kg	1000 U	990 U		960 U	
2-Chloronaphthalene	ug/kg	420 U	410 U		400 U	
2-Nitroaniline	ug/kg	1000 U	990 U		960 U	
Dimethylphthalate	ug/kg	420 U	410 U		400 U	
Acenaphthylene	ug/kg	420 U	410 U		400 U	
2,6-Dinitrotoluene	ug/kg	420 U	410 U		400 U	
3-Nitroaniline	ug/kg	1000 U	990 U		960 U	
Acenaphthene	ug/kg	420 U	410 U		400 U	
2,4-Dinitrophenol	ug/kg	1000 U	990 U		960 U	
4-Nitrophenol	ug/kg	1000 U	990 U		960 U	
Dibenzofuran	ug/kg	420 U	410 U		400 U	
2,4-Dinitrotoluene	ug/kg	420 U	400 U		400 U	
Diethylphthalate	ug/kg	420 U	410 U		400 U	
4-Chlorophenyl-phenylether	ug/kg	420 U	410 U		400 U	
Fluorene	ug/kg	420 U	410 U		400 U	
4-Nitroaniline	ug/kg	1000 U	990 U		960 U	
4,6-Dinitro-2-methylphenol	ug/kg	1000 U	990 U		960 U	
N-Nitrosodiphenylamine	ug/kg	420 U	410 U		400 U	
4-Bromophenyl-phenylether	ug/kg	420 U	410 U		400 U	
Hexachlorobenzene	ug/kg	420 U	410 U		400 U	
Pentachlorophenol	ug/kg	1000 U	990 U		960 U	
Phenanthrene	ug/kg	17 J	23 J		22 J	
Anthracene	ug/kg	420 U	410 U		400 U	
Carbazole	ug/kg	420 U	410 U		400 U	
Di-n-butylphthalate	ug/kg	21 J	23 J		18 J	
Fluoranthene	ug/kg	19 J	20 J		25 J	
Pyrene	ug/kg	16 J	17 J		20 J	
Butylbenzylphthalate	ug/kg	420 U	410 U		400 U	
3,3'-Dichlorobenzidine	ug/kg	420 U	410 U		400 U	
Benzo(a)anthracene	ug/kg	420 U	410 U		400 U	
Chrysene	ug/kg	14 J	13 J		16 J	
bis(2-Ethylhexyl)phthalate	ug/kg	27 J	110 J		30 J	
Di-n-octylphthalate	ug/kg	420 U	410 U		400 U	
Benzo(b)fluoranthene	ug/kg	420 U	410 U		15 J	
Benzo(k)fluoranthene	ug/kg	420 U	410 U		15 J	
Benzo(a)pyrene	ug/kg	420 U	410 U		400 U	
Indeno(1,2,3-cd)pyrene	ug/kg	420 U	410 U		400 U	
Dibenz(a,h)anthracene	ug/kg	420 U	410 U		400 U	
Benzo(g,h,i)perylene	ug/kg	420 U	410 U		400 U	

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB
	DEPTH	2.0 feet	2.0 feet	2.0 feet	2.0 feet	2.0 feet
	DATE	12/07/92	12/07/92	12/07/92	12/07/92	12/07/92
	ES ID	BE-J-10	BE-J-13	BE-J13RE	BE-J-14	BE-J14RE
	LAB ID	175564	175567	175567R1	175568	175568R1
COMPOUND	UNITS				DUP BE-J-10	
Pesticides/PCBs						
alpha-BHC	ug/Kg	2.2 U	2.1 U		2 U	2 U
beta-BHC	ug/Kg	2.2 U	2.1 U		2 U	2 U
delta-BHC	ug/Kg	2.2 U	2.1 U		2 U	2 U
gamma-BHC (Lindane)	ug/Kg	2.2 U	2.1 U		2 U	2 U
Heptachlor	ug/Kg	2.2 U	2.1 U		2 U	2 U
Aldrin	ug/Kg	2.2 U	2.1 U		2 U	2 U
Heptachlor epoxide	ug/Kg	2.2 U	2.1 U		2 U	2 U
Endosulfan I	ug/Kg	2.2 U	2.1 U		2 U	2 U
Dieldrin	ug/Kg	4.3 U	4.1 U		4 U	4 U
4,4'-DDE	ug/Kg	6.7 J	6.5		4 U	3.9 J
Endrin	ug/Kg	4.3 U	4.1 U		4 U	4 U
Endosulfan II	ug/Kg	4.3 U	4.1 U		4 U	4 U
4,4'-DDD	ug/Kg	4.3 U	4.1 U		4 U	4 U
Endosulfan sulfate	ug/Kg	4.3 U	4.1 U		4 U	4 U
4,4'-DDT	ug/Kg	8.3 J	9		4 U	5.4 J
Methoxychlor	ug/Kg	22 U	21 U		20 U	20 U
Endrin ketone	ug/Kg	4.3 U	4.1 U		4 U	4 U
Endrin aldehyde	ug/Kg	4.3 U	4.1 U		4 U	4 U
alpha-Chlordane	ug/Kg	2.2 U	2.1 U		2 U	2 U
gamma-Chlordane	ug/Kg	2.2 U	2.1 U		2 U	2 U
Toxaphene	ug/Kg	220 U	210 U		200 U	200 U
Aroclor-1016	ug/Kg	43 U	41 U		40 U	40 U
Aroclor-1221	ug/Kg	87 U	84 U		80 U	80 U
Aroclor-1232	ug/Kg	43 U	41 U		40 U	40 U
Aroclor-1242	ug/Kg	43 U	41 U		40 U	40 U
Aroclor-1248	ug/Kg	43 U	41 U		40 U	40 U
Aroclor-1254	ug/Kg	43 U	41 U		40 U	40 U
Aroclor-1260	ug/Kg	43 U	41 U		40 U	40 U

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SUMMARY OF VALIDATED RESULTS – PHASE I and II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB
	DEPTH	2.0 feet	2.0 feet	2.0 feet	2.0 feet	2.0 feet
	DATE	12/07/92	12/07/92	12/07/92	12/07/92	12/07/92
	ES ID	BE-J-10	BE-J-13	BE-J13RE	BE-J-14	BE-J14RE
	LAB ID	175564	175567	175567R1	175568	175568R1
COMPOUND	UNITS				DUP BE-J-10	
Explosives						
HMX	ug/Kg	120 U	120 U		120 U	
RDX	ug/Kg	120 U	120 U		120 U	
1,3,5-Trinitrobenzene	ug/Kg	120 U	120 U		120 U	
1,3-Dinitrobenzene	ug/Kg	120 U	120 U		120 U	
Tetryl	ug/Kg	120 U	120 U		120 U	
2,4,6-Trinitrotoluene	ug/Kg	120 U	120 U		120 U	
4-amino-2,6-Dinitrotoluene	ug/Kg	120 U	120 U		120 U	
2-amino-4,6-Dinitrotoluene	ug/Kg	120 U	120 U		120 U	
2,6-Dinitrotoluene	ug/Kg	120 U	120 U		120 U	
2,4-Dinitrotoluene	ug/Kg	120 U	120 U		120 U	
Metals						
Aluminum	mg/Kg	22400	24500		26300	
Antimony	mg/Kg	16 R	18.2 R		5.9 U	R
Arsenic	mg/Kg	4.9 J	5.3 J		5 J	
Barium	mg/Kg	26300	22000		34400	
Beryllium	mg/Kg	0.52 J	0.65		0.54 J	
Cadmium	mg/Kg	5.1	3.6		5.6	
Calcium	mg/Kg	12600	20300		7870	
Chromium	mg/Kg	52.7	34.9		22.1	
Cobalt	mg/Kg	30.7	26.4		33.4	
Copper	mg/Kg	231	348		340	
Iron	mg/Kg	95800 J	24500		17400 J	
Lead	mg/Kg	347	204		2040 J	
Magnesium	mg/Kg	24100 J	22300		23100	
Manganese	mg/Kg	897	528		1320	
Mercury	mg/Kg	0.23	0.36		0.15	
Nickel	mg/Kg	38.2	33.6		17.7	
Potassium	mg/Kg	1380	1800		1070	
Selenium	mg/Kg	1 J	1.1 J		0.77 J	
Silver	mg/Kg	0.41 U	0.53 J		0.35 U	
Sodium	mg/Kg	709 R	519 R		319 R	
Thallium	mg/Kg	0.45 U	0.4 U		0.52 U	
Vanadium	mg/Kg	23.9	25.3		20.9	
Zinc	mg/Kg	3190	2390		3240	
Cyanide	mg/Kg	0.78 U	0.75 U		0.54 U	

SENECA ARMY DEPOT
OB GROUNDS

GEOPHYSICAL ANOMALY EXCAVATIONS
SUMMARY OF VALIDATED RESULTS – PHASE II

	MATRIX	SOIL	SOIL	SOIL
	LOCATION	GAE-G	GAE-G	GAE-J
	DEPTH	2.0'	2.0'	1.0'
	DATE	12/11/91	12/11/91	12/11/91
	ES ID	GAE-G-1	GAE-G-2	GAE-J-1
	LAB ID	150679	150680	150681
COMPOUND	UNITS			
Volatile Organic Compounds				
Chloromethane	ug/Kg	12 U	12 U	12 U
Bromomethane	ug/Kg	12 U	12 U	12 U
Vinyl Chloride	ug/Kg	12 U	12 U	12 U
Chloroethane	ug/Kg	12 U	12 U	12 U
Methylene Chloride	ug/Kg	6 U	6 U	6 U
Acetone	ug/Kg	12 U	12 U	12 U
Carbon Disulfide	ug/Kg	6 U	6 U	6 U
1,1-Dichloroethene	ug/Kg	6 U	6 U	6 U
1,1-Dichloroethane	ug/Kg	6 U	6 U	6 U
1,2-Dichloroethene (total)	ug/Kg	6 U	6 U	6 U
Chloroform	ug/Kg	6 U	9	6 U
1,2-Dichloroethane	ug/Kg	6 U	6 U	6 U
2-Butanone	ug/Kg	12 U	12 U	12 U
1,1,1-Trichloroethane	ug/Kg	6 U	6 U	6 U
Carbon Tetrachloride	ug/Kg	6 U	6 U	6 U
Vinyl Acetate	ug/Kg	12 U	12 U	12 U
Bromodichloromethane	ug/Kg	6 U	6 U	6 U
1,2-Dichloropropane	ug/Kg	6 U	6 U	6 U
cis-1,3-Dichloropropene	ug/Kg	6 U	6 U	6 U
Trichloroethene	ug/Kg	6 U	6 U	6 U
Dibromochloromethane	ug/Kg	6 U	6 U	6 U
1,1,2-Trichloroethane	ug/Kg	6 U	6 U	6 U
Benzene	ug/Kg	6 U	6 U	6 U
trans-1,3-Dichloropropene	ug/Kg	6 U	6 U	6 U
Bromoform	ug/Kg	6 U	6 U	6 U
4-Methyl-2-Pentanone	ug/Kg	12 U	12 U	12 U
2-Hexanone	ug/Kg	12 U	12 U	12 U
Tetrachloroethene	ug/Kg	6 U	11	6 U
1,1,2,2-Tetrachloroethane	ug/Kg	6 U	6 U	6 U
Toluene	ug/Kg	6 U	6 U	6 U
Chlorobenzene	ug/Kg	6 U	6 U	6 U
Ethylbenzene	ug/Kg	6 U	6 U	6 U
Styrene	ug/Kg	6 U	6 U	6 U
Xylene (total)	ug/Kg	6 U	6 U	6 U

SENECA ARMY DEPOT
OB GROUNDS

GEOPHYSICAL ANOMALY EXCAVATIONS
SUMMARY OF VALIDATED RESULTS - PHASE II

	MATRIX	SOIL	SOIL	SOIL
	LOCATION	GAE-G	GAE-G	GAE-J
	DEPTH	2.0'	2.0'	1.0'
	DATE	12/11/91	12/11/91	12/11/91
	ES ID	GAE-G-1	GAE-G-2	GAE-J-1
	LAB ID	150679	150680	150681
COMPOUND	UNITS			
Semivolatiles				
Phenol	ug/Kg	800 U	2900 U	790 U
bis(2-Chloroethyl) ether	ug/Kg	800 U	2900 U	790 U
2-Chlorophenol	ug/Kg	800 U	2900 U	790 U
1,3-Dichlorobenzene	ug/Kg	800 U	2900 U	790 U
1,4-Dichlorobenzene	ug/Kg	800 U	2900 U	790 U
Benzyl Alcohol	ug/Kg	800 U	2900 U	790 U
1,2-Dichlorobenzene	ug/Kg	800 U	2900 U	790 U
2-Methylphenol	ug/Kg	800 U	2900 U	790 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	800 U	2900 U	790 U
4-Methylphenol	ug/Kg	800 U	2900 U	790 U
N-Nitroso-di-n-propylamine	ug/Kg	800 U	2900 U	790 U
Hexachloroethane	ug/Kg	800 U	2900 U	790 U
Nitrobenzene	ug/Kg	800 U	2900 U	790 U
Isophorone	ug/Kg	800 U	2900 U	790 U
2-Nitrophenol	ug/Kg	800 U	2900 U	790 U
2,4-Dimethylphenol	ug/Kg	800 U	2900 U	790 U
Benzoic acid	ug/Kg	3900 U	14000 U	3800 U
bis(2-Chloroethoxy) methane	ug/Kg	800 U	2900 U	790 U
2,4-Dichlorophenol	ug/Kg	800 U	2900 U	790 U
1,2,4-Trichlorobenzene	ug/Kg	800 U	2900 U	790 U
Naphthalene	ug/Kg	800 U	2900 U	790 U
4-Chloroaniline	ug/Kg	800 U	2900 U	790 U
Hexachlorobutadiene	ug/Kg	800 U	2900 U	790 U
4-Chloro-3-methylphenol	ug/Kg	800 U	2900 U	790 U
2-Methylnaphthalene	ug/Kg	800 U	2900 U	790 U
Hexachlorocyclopentadiene	ug/Kg	800 U	2900 U	790 U
2,4,6-Trichlorophenol	ug/Kg	800 U	2900 U	790 U
2,4,5-Trichlorophenol	ug/Kg	3900 U	14000 U	3800 U
2-Chloronaphthalene	ug/Kg	800 U	2900 U	790 U
2-Nitroaniline	ug/Kg	3900 U	14000 U	3800 U
Dimethylphthalate	ug/Kg	800 U	2900 U	790 U
Acenaphthylene	ug/Kg	800 U	2900 U	790 U
2,6-Dinitrotoluene	ug/Kg	800 U	2000 J	790 U
3-Nitroaniline	ug/Kg	3900 U	14000 U	3800 U
Acenaphthene	ug/Kg	800 U	2900 U	790 U
2,4-Dinitrophenol	ug/Kg	3900 U	14000 U	3800 U
4-Nitrophenol	ug/Kg	3900 U	14000 U	3800 U
Dibenzofuran	ug/Kg	800 U	2900 U	790 U
2,4-Dinitrotoluene	ug/Kg	800 U	33000	790 U
Diethylphthalate	ug/Kg	800 U	2900 U	790 U
4-Chlorophenyl-phenylether	ug/Kg	800 U	2900 U	790 U
Fluorene	ug/Kg	800 U	2900 U	790 U
4-Nitroaniline	ug/Kg	3900 U	14000 U	3800 U
4,6-Dinitro-2-methylphenol	ug/Kg	3900 U	14000 U	3800 U
N-Nitrosodiphenylamine (1)	ug/Kg	800 U	7000	790 U
4-Bromophenyl-phenylether	ug/Kg	800 U	2900 U	790 U
Hexachlorobenzene	ug/Kg	800 U	2900 U	790 U
Pentachlorophenol	ug/Kg	3900 U	14000 U	3800 U
Phenanthrene	ug/Kg	800 U	2900 U	790 U
Anthracene	ug/Kg	800 U	2900 U	790 U
Carbazole	ug/Kg			
Di-n-butylphthalate	ug/Kg	800 U	730 J	790 U
Fluoranthene	ug/Kg	800 U	2900 U	790 U
Pyrene	ug/Kg	800 U	2900 U	790 U
Butylbenzylphthalate	ug/Kg	800 U	2900 U	790 U
3,3'-Dichlorobenzidine	ug/Kg	1600 U	5700 U	1600 U
Benzo(a)anthracene	ug/Kg	800 U	2900 U	790 U
Chrysene	ug/Kg	800 U	2900 U	790 U
bis(2-Ethylhexyl)phthalate	ug/Kg	800 U	2900 U	790 U
Di-n-octylphthalate	ug/Kg	800 U	2900 U	790 U
Benzo(b)fluoranthene	ug/Kg	800 U	2900 U	790 U
Benzo(k)fluoranthene	ug/Kg	800 U	2900 U	790 U
Benzo(a)pyrene	ug/Kg	800 U	2900 U	790 U
Indeno(1,2,3-cd)pyrene	ug/Kg	800 U	2900 U	790 U
Dibenz(a,h)anthracene	ug/Kg	800 U	2900 U	790 U
Benzo(g,h,i)perylene	ug/Kg	800 U	2900 U	790 U

SENECA ARMY DEPOT
OB GROUNDS

GEOPHYSICAL ANOMALY EXCAVATIONS
SUMMARY OF VALIDATED RESULTS – PHASE II

	MATRIX	SOIL	SOIL	SOIL
	LOCATION	GAE-G	GAE-G	GAE-J
	DEPTH	2.0'	2.0'	1.0'
	DATE	12/11/91	12/11/91	12/11/91
	ES ID	GAE-G-1	GAE-G-2	GAE-J-1
	LAB ID	150679	150680	150681
COMPOUND	UNITS			
Pesticides/PCBs				
alpha-BHC	ug/Kg	20 U	18 U	19 U
beta-BHC	ug/Kg	20 U	18 U	19 U
delta-BHC	ug/Kg	20 U	18 U	19 U
gamma-BHC (Lindane)	ug/Kg	20 U	18 U	19 U
Heptachlor	ug/Kg	20 U	18 U	19 U
Aldrin	ug/Kg	20 U	18 U	19 U
Heptachlor epoxide	ug/Kg	20 U	18 U	19 U
Endosulfan I	ug/Kg	20 U	18 U	19 U
Dieldrin	ug/Kg	39 U	36 U	38 U
4,4'-DDE	ug/Kg	39 U	36 U	38 U
Endrin	ug/Kg	39 U	36 U	38 U
Endosulfan II	ug/Kg	39 U	36 U	38 U
4,4'-DDD	ug/Kg	39 U	36 U	38 U
Endosulfan sulfate	ug/Kg	39 U	36 U	38 U
4,4'-DDT	ug/Kg	39 U	36 U	38 U
Methoxychlor	ug/Kg	200 U	180 U	190 U
Endrin ketone	ug/Kg	39 U	36 U	38 U
EndrinAldehyde	ug/Kg			
alpha-Chlordane	ug/Kg	200 U	180 U	190 U
gamma-Chlordane	ug/Kg	200 U	180 U	190 U
Toxaphene	ug/Kg	390 U	360 U	380 U
Aroclor-1016	ug/Kg	200 U	180 U	190 U
Aroclor-1221	ug/Kg	200 U	180 U	190 U
Aroclor-1232	ug/Kg	200 U	180 U	190 U
Aroclor-1242	ug/Kg	200 U	180 U	190 U
Aroclor-1248	ug/Kg	200 U	180 U	190 U
Aroclor-1254	ug/Kg	390 U	360 U	380 U
Aroclor-1260	ug/Kg	390 U	360 U	380 U

SENECA ARMY DEPOT
OB GROUNDS

GEOPHYSICAL ANOMALY EXCAVATIONS
SUMMARY OF VALIDATED RESULTS – PHASE II

	MATRIX	SOIL		SOIL		SOIL	
	LOCATION	GAE-G		GAE-G		GAE-J	
	DEPTH	2.0'		2.0'		1.0'	
	DATE	12/11/91		12/11/91		12/11/91	
	ES ID	GAE-G-1		GAE-G-2		GAE-J-1	
	LAB ID	150679		150680		150681	
COMPOUND	UNITS						
Explosives							
HMX	ug/Kg	1000 U		1000 U		1000 U	
RDX	ug/Kg	120 U		120 U		120 U	
1,3,5-Trinitrobenzene	ug/Kg	120 U		120 U		120 U	
1,3-Dinitrobenzene	ug/Kg	120 U		120 U		120 U	
Tetryl	ug/Kg	400 U		400 U		400 U	
2,4,6-Trinitrotoluene	ug/Kg	120 U		120 U		120 U	
4-amino-2,6-Dinitrotoluene	ug/Kg	120 U		120 U		120 U	
2-amino-4,6-Dinitrotoluene	ug/Kg	120 U		120 U		120 U	
2,6-Dinitrotoluene	ug/Kg	120 U		120 U		120 U	
2,4-Dinitrotoluene	ug/Kg	120 U		4000		120 U	
Metals							
Aluminum	mg/Kg	20400		14100		30200	
Antimony	mg/Kg	12.5 U	R	30	R	8.2 U	R
Arsenic	mg/Kg	6	J	6.1	J	6.2	J
Barium	mg/Kg	190	J	270	J	700	J
Beryllium	mg/Kg	1.2	R	0.78	R	1.1	R
Cadmium	mg/Kg	3.3		4.7		3.7	
Calcium	mg/Kg	4350	J	4810	J	4140	J
Chromium	mg/Kg	28.6		1430		33.7	
Cobalt	mg/Kg	11.5		9.1		23	
Copper	mg/Kg	21.6	J	316	J	27.6	J
Iron	mg/Kg	27000	J	32800	J	33700	J
Lead	mg/Kg	18		390	J	50.4	
Magnesium	mg/Kg	4580		3520		7050	
Manganese	mg/Kg	705		710		646	
Mercury	mg/Kg	0.08	J	0.04	J	0.74	
Nickel	mg/Kg	33.1		20.1		31.8	
Potassium	mg/Kg	3160		1890		3500	
Selenium	mg/Kg	0.25	J	0.77	J	0.31	J
Silver	mg/Kg	2 U		0.86 U		1.3 U	
Sodium	mg/Kg	141	J	318	J	84.9	J
Thallium	mg/Kg	0.5 U		0.35 U		0.62 U	
Vanadium	mg/Kg	31		25.7		41.6	
Zinc	mg/Kg	108	J	637	J	139	J
Cyanide	mg/Kg	0.55 U		0.59 U		0.54 U	

OB GROUNDS
DOWNWIND SOILS
SUMMARY OF VALIDATED RESULTS – PHASE II

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB	OB	OB
	DEPTH(FT.)	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
	DATE	12/10/92	12/10/92	12/10/92	12/10/92	12/10/92	12/10/92	12/10/92	12/10/92
	ES ID	DW-01	DW-02	DW-02RE	DW-03	DW-04	DW-05	DW-06	DW-07
	LAB ID	176036	176037	176037R1	176038	176039	176040	176041	176042
	UNITS								
Volatile Organic Compounds									
Chloromethane	ug/Kg	14 U	13 U		13 U	15 U	16 U	14 U	13 U
Bromomethane	ug/Kg	14 U	13 U		13 U	15 U	16 U	14 U	13 U
Vinyl Chloride	ug/Kg	14 U	13 U		13 U	15 U	16 U	14 U	13 U
Chloroethane	ug/Kg	14 U	13 U		13 U	15 U	16 U	14 U	13 U
Methylene Chloride	ug/Kg	14 U	13 U		13 U	15 U	16 U	14 U	13 U
Acetone	ug/Kg	38 U	230		13 U	15 U	16 U	36 U	43 U
Carbon Disulfide	ug/Kg	14 U	13 U		13 U	15 U	16 U	14 U	13 U
1,1-Dichloroethene	ug/Kg	14 U	13 U		13 U	15 U	16 U	14 U	13 U
1,1-Dichloroethane	ug/Kg	14 U	13 U		13 U	15 U	16 U	14 U	13 U
1,2-Dichloroethene (total)	ug/Kg	14 U	13 U		13 U	15 U	16 U	14 U	13 U
Chloroform	ug/Kg	3 J	13 U		13 U	15 U	16 U	14 U	13 U
1,2-Dichloroethane	ug/Kg	14 U	13 U		13 U	15 U	16 U	14 U	13 U
2-Butanone	ug/Kg	6 J	11 J		13 U	15 U	16 U	14 U	13 U
1,1,1-Trichloroethane	ug/Kg	14 U	13 U		13 U	15 U	16 U	14 U	13 U
Carbon Tetrachloride	ug/Kg	14 U	13 U		13 U	15 U	16 U	14 U	13 U
Vinyl Acetate	ug/Kg								
Bromodichloromethane	ug/Kg	14 U	13 U		13 U	15 U	16 U	14 U	13 U
1,2-Dichloropropane	ug/Kg	14 U	13 U		13 U	15 U	16 U	14 U	13 U
cis-1,3-Dichloropropene	ug/Kg	14 U	13 U		13 U	15 U	16 U	14 U	13 U
Trichloroethene	ug/Kg	14 U	13 U		13 U	15 U	16 U	14 U	13 U
Dibromochloromethane	ug/Kg	14 U	13 U		13 U	15 U	16 U	14 U	13 U
1,1,2-Trichloroethane	ug/Kg	14 U	13 U		13 U	15 U	16 U	14 U	13 U
Benzene	ug/Kg	14 U	13 U		13 U	15 U	16 U	14 U	13 U
trans-1,3-Dichloropropene	ug/Kg	14 U	13 U		13 U	15 U	16 U	14 U	13 U
Bromoform	ug/Kg	14 U	13 U		13 U	15 U	16 U	14 U	13 U
4-Methyl-2-Pentanone	ug/Kg	14 U	13 U		13 U	15 U	16 U	14 U	13 U
2-Hexanone	ug/Kg	14 U	13 U		13 U	15 U	16 U	14 U	13 U
Tetrachloroethene	ug/Kg	14 U	13 U		13 U	15 U	16 U	14 U	13 U
1,1,2,2-Tetrachloroethane	ug/Kg	14 U	13 U		13 U	15 U	16 U	14 U	13 U
Toluene	ug/Kg	14 U	13 U		13 U	15 U	16 U	14 U	13 U
Chlorobenzene	ug/Kg	14 U	13 U		13 U	15 U	16 U	14 U	13 U
Ethylbenzene	ug/Kg	14 U	13 U		13 U	15 U	16 U	14 U	13 U
Styrene	ug/Kg	14 U	13 U		13 U	15 U	16 U	14 U	13 U
Xylene (total)	ug/Kg	14 U	13 U		13 U	15 U	16 U	14 U	13 U

OB GROUNDS
DOWNWIND SOILS
SUMMARY OF VALIDATED RESULTS – PHASE II

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB	OB	OB
	DEPTH (FT.)	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
	DATE	12/10/92	12/10/92	12/10/92	12/10/92	12/10/92	12/10/92	12/10/92	12/10/92
	ES ID	DW-01	DW-02	DW-02RE	DW-03	DW-04	DW-05	DW-06	DW-07
	LAB ID	176036	176037	176037R1	176038	176039	176040	176041	176042
	UNITS								
Semivolatiles									
Phenol	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
bis(2-Chloroethyl) ether	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
2-Chlorophenol	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
1,3-Dichlorobenzene	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
1,4-Dichlorobenzene	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
Benzyl Alcohol	ug/Kg								
1,2-Dichlorobenzene	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
2-Methylphenol	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
4-Methylphenol	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
N-Nitroso-di-n-propylamine	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
Hexachloroethane	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
Nitrobenzene	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
Isophorone	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
2-Nitrophenol	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
2,4-Dimethylphenol	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
Benzoic Acid	ug/Kg								
bis(2-Chloroethoxy) methane	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
2,4-Dichlorophenol	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
1,2,4-Trichlorobenzene	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
Naphthalene	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
4-Chloroaniline	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
Hexachlorobutadiene	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
4-Chloro-3-Methylphenol	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
2-Methylnaphthalene	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
Hexachlorocyclopentadiene	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
2,4,6-Trichlorophenol	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
2,4,5-Trichlorophenol	ug/Kg	1200 U	1100 U	1100 U	1100 U	1200 U	1200 U	1100 U	1200 U
2-Chloronaphthalene	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
2-Nitroaniline	ug/Kg	1200 U	1100 U	1100 U	1100 U	1200 U	1200 U	1100 U	1200 U
Dimethylphthalate	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
Acenaphthylene	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
2,6-Dinitrotoluene	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
3-Nitroaniline	ug/Kg	1200 U	1100 U	350 J	1100 U	1200 U	1200 U	1100 U	1200 U
Acenaphthene	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
2,4-Dinitrophenol	ug/Kg	1200 U	1100 U	1100 U	1100 U	1200 U	1200 U	1100 U	1200 U
4-Nitrophenol	ug/Kg	1200 U	1100 U	1100 U	1100 U	1200 U	1200 U	1100 U	1200 U
Dibenzofuran	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
2,4-Dinitrotoluene	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
Diethylphthalate	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
4-Chlorophenyl-phenylether	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
Fluorene	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
4-Nitroaniline	ug/Kg	1200 U	1100 U	1100 U	1100 U	1200 U	1200 U	1100 U	1200 U
4,6-Dinitro-2-methylphenol	ug/Kg	1200 U	1100 U	1100 U	1100 U	1200 U	1200 U	1100 U	1200 U
N-Nitrosodiphenylamine	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
4-Bromophenyl-phenylether	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
Hexachlorobenzene	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
Pentachlorophenol	ug/Kg	1200 U	1100 U	1100 U	23 J	1200 U	1200 U	1100 U	1200 U
Phenanthrene	ug/Kg	490 U	470 U	470 U	26 J	480 U	480 U	470 U	490 U
Anthracene	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
Carbazole	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
Di-n-butylphthalate	ug/Kg	490 U	470 U	470 U	470 U	23 J	480 U	470 U	490 U
Fluoranthene	ug/Kg	490 U	470 U	470 U	50 J	480 U	480 U	470 U	490 U
Pyrene	ug/Kg	490 U	470 U	470 U	43 J	23 J	480 U	470 U	490 U
Butylbenzylphthalate	ug/Kg	490 U	470 U	470 U	470 U	480 U	86 J	470 U	490 U
3,3'-Dichlorobenzidine	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
Benzo(a)anthracene	ug/Kg	490 U	470 U	470 U	22 J	480 U	480 U	470 U	490 U
Chrysene	ug/Kg	490 U	470 U	470 U	27 J	480 U	480 U	470 U	490 U
bis(2-Ethylhexyl)phthalate	ug/Kg	60 J	25 J	470 U	470 U	98 J	31 J	94 J	110 J
Di-n-octylphthalate	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
Benzo(b)fluoranthene	ug/Kg	490 U	470 U	470 U	26 J	480 U	480 U	470 U	490 U
Benzo(k)fluoranthene	ug/Kg	490 U	470 U	470 U	23 J	480 U	480 U	470 U	490 U
Benzo(a)pyrene	ug/Kg	490 U	470 U	470 U	20 J	480 U	480 U	470 U	490 U
Indeno(1,2,3-cd)pyrene	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
Dibenz(a,h)anthracene	ug/Kg	490 U	470 U	470 U	470 U	480 U	480 U	470 U	490 U
Benzo(g,h,i)perylene	ug/Kg	490 U	470 U	470 U	470 U	23 J	480 U	470 U	490 U

OB GROUNDS
DOWNWIND SOILS
SUMMARY OF VALIDATED RESULTS – PHASE II

COMPOUND	UNITS	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		LOCATION	OB	OB	OB	OB	OB	OB	OB	OB
		DEPTH(FT.)	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
		DATE	12/10/92	12/10/92	12/10/92	12/10/92	12/10/92	12/10/92	12/10/92	12/10/92
		ES ID	DW-01	DW-02	DW-02RE	DW-03	DW-04	DW-05	DW-06	DW-07
		LAB ID	176036	176037	176037R1	176038	176039	176040	176041	176042
Pesticides/PCBs										
alpha-BHC	ug/Kg		2.5 U	2.4 U		2.4 U	2.4 U	25 U	2.4 U	2.5 U
beta-BHC	ug/Kg		2.5 U	2.4 U		2.4 U	2.4 U	25 U	2.4 U	2.5 U
delta-BHC	ug/Kg		2.5 U	2.4 U		2.4 U	2.4 U	25 U	2.4 U	2.5 U
gamma-BHC (Lindane)	ug/Kg		2.5 U	2.4 U		2.4 U	2.4 U	25 U	2.4 U	2.5 U
Heptachlor	ug/Kg		2.5 U	2.4 U		2.4 U	2.4 U	25 U	2.4 U	2.5 U
Aldrin	ug/Kg		2.5 U	2.4 U		2.4 U	2.4 U	25 U	2.4 U	2.5 U
Heptachlor epoxide	ug/Kg		2.5 U	2.4 U		2.4 U	2.4 U	25 U	2.4 U	2.5 U
Endosulfan I	ug/Kg		2.5 U	2.4 U		2.4 U	2.4 U	25 U	2.4 U	2.5 U
Dieldrin	ug/Kg		4.9 U	4.7 U		4.7 U	4.8 U	48 U	4.7 U	4.8 U
4,4'-DDE	ug/Kg		4.9 U	4.7 U		4.7 U	4.8 U	48 U	4.7 U	4.8 U
Endrin	ug/Kg		4.9 U	4.7 U		4.7 U	4.8 U	48 U	4.7 U	4.8 U
Endosulfan II	ug/Kg		18 J	4.7 U		4.7 U	4.8 U	480 J	4.7 U	4.2 J
4,4'-DDD	ug/Kg		4.9 U	4.7 U		4.7 U	4.8 U	48 U	4.7 U	4.8 U
Endosulfan sulfate	ug/Kg		4.9 U	4.7 U		4.7 U	4.8 U	48 U	4.7 U	4.8 U
4,4'-DDT	ug/Kg		4.9 U	4.7 U		4.7 U	4.8 U	48 U	4.7 U	4.8 U
Methoxychlor	ug/Kg		25 U	24 U		24 U	24 U	250 U	24 U	25 U
Endrin ketone	ug/Kg		4.9 U	4.7 U		4.7 U	4.8 U	48 U	4.7 U	4.8 U
Endrin aldehyde	ug/Kg		4.9 U	4.7 U		4.7 U	4.8 U	48 U	4.7 U	4.8 U
alpha-Chlordane	ug/Kg		2.5 U	2.4 U		2.4 U	2.4 U	25 U	2.4 U	2.5 U
gamma-Chlordane	ug/Kg		2.5 U	2.4 U		2.4 U	2.4 U	25 U	2.4 U	2.5 U
Toxaphene	ug/Kg		250 U	240 U		240 U	240 U	2500 U	240 U	250 U
Aroclor-1016	ug/Kg		49 U	47 U		47 U	48 U	480 U	47 U	48 U
Aroclor-1221	ug/Kg		99 U	95 U		94 U	97 U	980 U	96 U	97 U
Aroclor-1232	ug/Kg		49 U	47 U		47 U	48 U	480 U	47 U	48 U
Aroclor-1242	ug/Kg		49 U	47 U		47 U	48 U	480 U	47 U	48 U
Aroclor-1248	ug/Kg		49 U	47 U		47 U	48 U	480 U	47 U	48 U
Aroclor-1254	ug/Kg		49 U	47 U		47 U	48 U	480 U	47 U	48 U
Aroclor-1260	ug/Kg		49 U	47 U		47 U	48 U	480 U	47 U	48 U

OB GROUNDS
DOWNWIND SOILS
SUMMARY OF VALIDATED RESULTS – PHASE II

COMPOUND	MATRIX / LOCATION / DEPTH(FT.) / DATE / ES ID / LAB ID	UNITS	SOIL OB 0-0.2 12/10/92 DW-01 176036	SOIL OB 0-0.2 12/10/92 DW-02 176037	SOIL OB 0-0.2 12/10/92 DW-02RE 176037R1	SOIL OB 0-0.2 12/10/92 DW-03 176038	SOIL OB 0-0.2 12/10/92 DW-04 176039	SOIL OB 0-0.2 12/10/92 DW-05 176040	SOIL OB 0-0.2 12/10/92 DW-06 176041	SOIL OB 0-0.2 12/10/92 DW-07 176042
Explosives										
HMX		ug/Kg	120 U	120 U		120 U	120 U	120 U	120 U	120 U
RDX		ug/Kg	120 U	120 U		120 U	120 U	120 U	120 U	120 U
1,3,5-Trinitrobenzene		ug/Kg	120 U	120 U		120 U	120 U	120 U	120 U	120 U
1,3-Dinitrotoluene		ug/Kg	120 U	120 U		120 U	120 U	120 U	120 U	120 U
Tetryl		ug/Kg	120 U	120 U		120 U	120 U	120 U	120 U	120 U
2,4,6-Trinitrotoluene		ug/Kg	120 U	120 U		120 U	120 U	120 U	120 U	120 U
4-amino-2,6-Dinitrotoluene		ug/Kg	120 U	120 U		120 U	120 U	120 U	120 U	120 U
4-amino-4,6-Dinitrotoluene		ug/Kg	120 U	120 U		120 U	120 U	120 U	120 U	120 U
2,6-Dinitrotoluene		ug/Kg	120 U	120 U		120 U	120 U	120 U	120 U	120 U
2,4-Dinitrotoluene		ug/Kg	120 U	120 U		120 U	120 U	120 U	120 U	120 U
Metals										
Aluminum		mg/kg	15400	13200		14100	17400	16100	16100	10300
Antimony		mg/kg	13.3 UJ	10 UJ		7.8 UJ	14.9 UJ	9.5 UJ	10.9 UJ	9 UJ
Arsenic		mg/kg	3.3	4		4	6.2	4.7	4.7	4.8
Barium		mg/kg	163	125		87.9	93.8	99.7	124	82.5
Beryllium		mg/kg	0.88 J	0.72 J		0.62 J	0.78 J	0.83 J	0.85 J	0.56 J
Cadmium		mg/kg	0.76 U	0.58 U		0.45 U	0.86 U	0.54 U	0.63 U	0.52 U
Calcium		mg/kg	7140	2730		4990	1670	2840	4210	3380
Chromium		mg/kg	23.2	17.8		18.7	22.5	22.8	20	14.4
Cobalt		mg/kg	9.2 J	9.5		9.7	11.1 J	12.3	9.1 J	6.7 J
Copper		mg/kg	27.8	19		23.7	15.2	21.8	19.6	14.8
Iron		mg/kg	25500	21100		20800	26700	24200	21600	16100
Lead		mg/kg	41.8	13.8 J		24	23.2	24.4	17.5 J	20.6
Magnesium		mg/kg	3890	3270		4360	3580	3870	3200	2610
Manganese		mg/kg	639	827		882	794	900	778	395
Mercury		mg/kg	0.12 J	0.08 J		0.11 J	0.1 J	0.11 J	0.13 J	0.15 J
Nickel		mg/kg	26.5	22.4		24.4	22.3	27.3	21.3	15.8
Potassium		mg/kg	1770	1590		1960	1190 J	1690	1920	2160
Selenium		mg/kg	0.76 J	0.91 J		0.66 J	0.8 J	0.8 J	0.84 J	0.79 J
Silver		mg/kg	0.76 U	0.98 J		0.46 U	0.86 U	0.56 U	0.65 U	0.53 U
Sodium		mg/kg	73.3 U	55.5 U		42.9 U	275 J	52.2 U	60.3 U	49.9 U
Thallium		mg/kg	0.65 U	0.7 U		0.59 U	0.47 U	0.48 U	0.75 U	0.44 U
Vanadium		mg/kg	26.4	24.4		23.7	27.8	26	27.7	18
Zinc		mg/kg	81.9	51.3		75.8	71.8	70.1	62	56.4
Cyanide		mg/kg	0.82 U	0.55 U		0.6 U	0.71 U	0.72 U	0.55 U	0.75 U

OB GROUNDS
DOWNWIND SOILS
SUMMARY OF VALIDATED RESULTS – PHASE II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB
	DEPTH(FT.)	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
	DATE	12/10/92	12/10/92	12/10/92	12/10/92	12/10/92	12/10/92
	ES ID	DW-08	DW-09	DW-09RE	DW-10	DW-11	DW-12
	LAB ID	176043	176044	176044R1	176045	176046	176047
COMPOUND	UNITS						DUP DW-4
Volatile Organic Compounds							
Chloromethane	ug/Kg	12 U	12 U		12 U	11 U	14 U
Bromomethane	ug/Kg	12 U	12 U		12 U	11 U	14 U
Vinyl Chloride	ug/Kg	12 U	12 U		12 U	11 U	14 U
Chloroethane	ug/Kg	12 U	12 U		12 U	11 U	14 U
Methylene Chloride	ug/Kg	12 U	12 U		12 U	11 U	14 U
Acetone	ug/Kg	12 U	44 U		19 U	11 U	39 U
Carbon Disulfide	ug/Kg	12 U	12 U		12 U	11 U	14 U
1,1-Dichloroethene	ug/Kg	12 U	12 U		12 U	11 U	14 U
1,1-Dichloroethane	ug/Kg	12 U	12 U		12 U	11 U	14 U
1,2-Dichloroethene (total)	ug/Kg	12 U	12 U		12 U	11 U	14 U
Chloroform	ug/Kg	12 U	12 U		12 U	11 U	14 U
1,2-Dichloroethane	ug/Kg	12 U	12 U		12 U	11 U	14 U
2-Butanone	ug/Kg	12 U	12 U		12 U	11 U	14 U
1,1,1-Trichloroethane	ug/Kg	12 U	12 U		12 U	11 U	14 U
Carbon Tetrachloride	ug/Kg	12 U	12 U		12 U	11 U	14 U
Vinyl Acetate	ug/Kg						
Bromodichloromethane	ug/Kg	12 U	12 U		12 U	11 U	14 U
1,2-Dichloropropane	ug/Kg	12 U	12 U		12 U	11 U	14 U
cis-1,3-Dichloropropene	ug/Kg	12 U	12 U		12 U	11 U	14 U
Trichloroethene	ug/Kg	12 U	12 U		12 U	11 U	14 U
Dibromochloromethane	ug/Kg	12 U	12 U		12 U	11 U	14 U
1,1,2-Trichloroethane	ug/Kg	12 U	12 U		12 U	11 U	14 U
Benzene	ug/Kg	12 U	12 U		12 U	11 U	14 U
trans-1,3-Dichloropropene	ug/Kg	12 U	12 U		12 U	11 U	14 U
Bromoform	ug/Kg	12 U	12 U		12 U	11 U	14 U
4-Methyl-2-Pentanone	ug/Kg	12 U	12 U		12 U	11 U	14 U
2-Hexanone	ug/Kg	12 U	12 U		12 U	11 U	14 U
Tetrachloroethene	ug/Kg	12 U	12 U		12 U	11 U	14 U
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	12 U		12 U	11 U	14 U
Toluene	ug/Kg	12 U	12 U		12 U	11 U	14 U
Chlorobenzene	ug/Kg	12 U	12 U		12 U	11 U	14 U
Ethylbenzene	ug/Kg	12 U	12 U		12 U	11 U	14 U
Styrene	ug/Kg	12 U	12 U		12 U	11 U	14 U
Xylene (total)	ug/Kg	12 U	12 U		12 U	11 U	14 U

OB GROUNDS
DOWNWIND SOILS
SUMMARY OF VALIDATED RESULTS – PHASE II

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB
	DEPTH(FT.)	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
	DATE	12/10/92	12/10/92	12/10/92	12/10/92	12/10/92	12/10/92
	ES ID	DW-08	DW-09	DW-09RE	DW-10	DW-11	DW-12
	LAB ID	176043	176044	176044R1	176045	176046	176047
	UNITS						DUP DW-4
Semivolatiles							
Phenol	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	510 U
bis(2-Chloroethyl) ether	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	510 U
2-Chlorophenol	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	510 U
1,3-Dichlorobenzene	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	510 U
1,4-Dichlorobenzene	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	510 U
Benzyl Alcohol	ug/Kg						
1,2-Dichlorobenzene	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	510 U
2-Methylphenol	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	510 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	510 U
4-Methylphenol	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	510 U
N-Nitroso-di-n-propylamine	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	510 U
Hexachloroethane	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	510 U
Nitrobenzene	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	510 U
Isophorone	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	510 U
2-Nitrophenol	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	510 U
2,4-Dimethylphenol	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	510 U
Benzoic Acid	ug/Kg						
bis(2-Chloroethoxy) methane	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	510 U
2,4-Dichlorophenol	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	510 U
1,2,4-Trichlorobenzene	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	510 U
Naphthalene	ug/Kg	42 J	430 U	2100 U	530 U	2100 U	510 U
4-Chloroaniline	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	510 U
Hexachlorobutadiene	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	510 U
4-Chloro-3-Methylphenol	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	510 U
2-Methylnaphthalene	ug/Kg	53 J	430 U	2100 U	530 U	2100 U	510 U
Hexachlorocyclopentadiene	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	510 U
2,4,6-Trichlorophenol	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	510 U
2,4,5-Trichlorophenol	ug/Kg	1300 U	1000 U	5200 U	1300 U	5000 U	1200 U
2-Chloronaphthalene	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	510 U
2-Nitroaniline	ug/Kg	1300 U	1000 U	5200 U	1300 U	5000 U	1200 U
Dimethylphthalate	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	510 U
Acenaphthylene	ug/Kg	540	430 U	2100 U	47 J	2100 U	510 U
2,6-Dinitrotoluene	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	510 U
3-Nitroaniline	ug/Kg	1300 U	1000 U	5200 U	1300 U	5000 U	1200 U
Acenaphthene	ug/Kg	120 J	430 U	2100 U	44 J	2100 U	510 U
2,4-Dinitrophenol	ug/Kg	1300 U	1000 U	5200 U	1300 U	5000 U	1200 U
4-Nitrophenol	ug/Kg	1300 U	1000 U	5200 U	1300 U	5000 U	1200 U
Dibenzofuran	ug/Kg	52 J	430 U	2100 U	530 U	2100 U	510 U
2,4-Dinitrotoluene	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	510 U
Diethylphthalate	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	510 U
4-Chlorophenyl-phenylether	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	510 U
Fluorene	ug/Kg	130 J	430 U	2100 U	37 J	2100 U	510 U
4-Nitroaniline	ug/Kg	1300 U	1000 U	5200 U	1300 U	5000 U	1200 U
4,6-Dinitro-2-methylphenol	ug/Kg	1300 U	1000 U	5200 U	1300 U	5000 U	1200 U
N-Nitrosodiphenylamine	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	510 U
4-Bromophenyl-phenylether	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	510 U
Hexachlorobenzene	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	510 U
Pentachlorophenol	ug/Kg	1300 U	1000 U	5200 U	1300 U	5000 U	1200 U
Phenanthrene	ug/Kg	1600	140 J	420 J	420 J	180 J	510 U
Anthracene	ug/Kg	700	27 J	2100 U	98 J	2100 U	510 U
Carbazole	ug/Kg	1200	34 J	2100 U	240 J	120 J	510 U
Di-n-butylphthalate	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	24 J
Fluoranthene	ug/Kg	3600	180 J	550 J	640	320 J	510 U
Pyrene	ug/Kg	3900	180 J	580 J	610	280 J	510 U
Butylbenzylphthalate	ug/Kg	540 U	430 U	2100 U	51 J	2100 U	510 U
3,3'-Dichlorobenzidine	ug/Kg	540 U	430 U	2100 U	530 U	2100 U	510 U
Benzo(a)anthracene	ug/Kg	2400	94 J	260 J	300 J	160 J	510 U
Chrysene	ug/Kg	2700	140 J	360 J	370 J	240 J	510 U
bis(2-Ethylhexyl)phthalate	ug/Kg	100 J	10000 J	11000 J	4200	16000	42 J
Di-n-octylphthalate	ug/Kg	540 U	430 U	2100 U	530 U	410 J	510 U
Benzo(b)fluoranthene	ug/Kg	3900	130 J	260 J	360 J	210 J	510 U
Benzo(k)fluoranthene	ug/Kg	2600	97 J	260 J	300 J	220 J	510 U
Benzo(a)pyrene	ug/Kg	2800	26 J	200 J	260 J	150 J	510 U
Indeno(1,2,3-cd)pyrene	ug/Kg	1600	82 J	130 J	140 J	2100 U	510 U
Dibenz(a,h)anthracene	ug/Kg	670	23 J	2100 U	530 U	2100 U	510 U
Benzo(g,h,i)perylene	ug/Kg	960	110 J	140 J	76 J	110 J	510 U

OB GROUNDS
DOWNWIND SOILS
SUMMARY OF VALIDATED RESULTS – PHASE II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB
	DEPTH(FT.)	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
	DATE	12/10/92	12/10/92	12/10/92	12/10/92	12/10/92	12/10/92
	ES ID	DW-08	DW-09	DW-09RE	DW-10	DW-11	DW-12
	LAB ID	176043	176044	176044R1	176045	176046	176047
COMPOUND	UNITS						DUP DW-4
Pesticides/PCBs							
alpha-BHC	ug/Kg	4.2 U	2.2 U		2.1 U	1.9 U	2.6 U
beta-BHC	ug/Kg	4.2 U	2.2 U		2.1 U	1.9 U	2.6 U
delta-BHC	ug/Kg	4.2 U	2.2 U		2.1 U	1.9 U	2.6 U
gamma-BHC (Lindane)	ug/Kg	4.2 U	2.2 U		2.1 U	1.9 U	2.6 U
Heptachlor	ug/Kg	4.2 U	2.2 U		2.1 U	1.9 U	2.6 U
Aldrin	ug/Kg	4.2 U	2.2 U		2.1 U	1.9 U	2.6 U
Heptachlor epoxide	ug/Kg	4.2 U	2.2 U		2.1 U	1.9 U	2.6 U
Endosulfan I	ug/Kg	4.2 U	2.2 U		2.1 U	1.9 U	2.6 U
Dieldrin	ug/Kg	8.1 U	4.3 U		4.1 U	3.7 U	5.1 U
4,4'-DDE	ug/Kg	8.1 U	4.3 U		2.4 J	3.7 U	5.1 U
Endrin	ug/Kg	7.7 J	8.1 J		4.1 U	3.7 U	5.1 U
Endosulfan II	ug/Kg	8.1 U	4.3 U		4.1 U	3.7 U	5.1 U
4,4'-DDD	ug/Kg	8.1 U	4.3 U		4.1 U	3.7 U	5.1 U
Endosulfan sulfate	ug/Kg	11 J	4.3 U		4.1 U	3.7 U	5.1 U
4,4'-DDT	ug/Kg	8.1 U	3.4 J		7	3.7 U	5.1 U
Methoxychlor	ug/Kg	42 U	22 U		21 U	19 U	26 U
Endrin ketone	ug/Kg	8.1 U	4.3 U		4.1 U	3.7 U	5.1 U
Endrin aldehyde	ug/Kg	8.1 U	4.3 U		4.1 U	3.7 U	5.1 U
alpha-Chlordane	ug/Kg	3.9 J	2.2 U		2.1 U	1.9 U	2.6 U
gamma-Chlordane	ug/Kg	4.2 U	2.2 U		2.1 U	1.9 U	2.6 U
Toxaphene	ug/Kg	420 U	220 U		210 U	190 U	260 U
Aroclor-1016	ug/Kg	81 U	43 U		41 U	37 U	51 U
Aroclor-1221	ug/Kg	160 U	87 U		83 U	75 U	100 U
Aroclor-1232	ug/Kg	81 U	43 U		41 U	37 U	51 U
Aroclor-1242	ug/Kg	81 U	43 U		41 U	37 U	51 U
Aroclor-1248	ug/Kg	81 U	43 U		41 U	37 U	51 U
Aroclor-1254	ug/Kg	81 U	43 U		41 U	37 U	51 U
Aroclor-1260	ug/Kg	81 U	43 U		41 U	37 U	51 U

OB GROUNDS
DOWNWIND SOILS
SUMMARY OF VALIDATED RESULTS – PHASE II

COMPOUND	MATRIX LOCATION DEPTH(FT.) DATE ES ID LAB ID UNITS	SOIL OB 0-0.2 12/10/92 DW-08 176043	SOIL OB 0-0.2 12/10/92 DW-09 176044	SOIL OB 0-0.2 12/10/92 DW-09RE 176044R1	SOIL OB 0-0.2 12/10/92 DW-10 176045	SOIL OB 0-0.2 12/10/92 DW-11 176046	SOIL OB 0-0.2 12/10/92 DW-12 176047 DUP DW-4
Explosives							
HMX	ug/Kg	120 U	120 U		120 U	120 U	120 U
RDX	ug/Kg	120 U	120 U		120 U	120 U	120 U
1,3,5-Trinitrobenzene	ug/Kg	120 U	120 U		120 U	120 U	120 U
1,3-Dinitrotoluene	ug/Kg	120 U	120 U		120 U	120 U	120 U
Tetryl	ug/Kg	120 U	120 U		120 U	120 U	120 U
2,4,6-Trinitrotoluene	ug/Kg	120 U	120 U		120 U	120 U	120 U
4-amino-2,6-Dinitrotoluene	ug/Kg	120 U	120 U		120 U	120 U	120 U
4-amino-4,6-Dinitrotoluene	ug/Kg	120 U	120 U		120 U	120 U	120 U
2,6-Dinitrotoluene	ug/Kg	120 U	120 U		120 U	120 U	120 U
2,4-Dinitrotoluene	ug/Kg	120 U	120 U		120 U	120 U	120 U
Metals							
Aluminum	mg/kg	12700	9910		4940	4590	17000
Antimony	mg/kg	9.2 UJ	11.6 UJ		11.4 UJ	7.6 UJ	8.7 UJ
Arsenic	mg/kg	4.3	5.9		5.1	5	5.1
Barium	mg/kg	127	72.5		66.3	29	94
Beryllium	mg/kg	0.71 J	0.55 J		0.35 J	0.29 J	0.85
Cadmium	mg/kg	0.6 J	0.72 J		0.65 U	0.44 U	0.5 U
Calcium	mg/kg	59700	77900		194000	195000	1830
Chromium	mg/kg	18.3	24.3		17.5	13.4	23.3
Cobalt	mg/kg	9.2	8.4 J		5.1 J	5.9 J	12.5
Copper	mg/kg	28.5	36.5		26.2	23.1	15.9
Iron	mg/kg	21100	19100		15700	13500	26900
Lead	mg/kg	26.1	144		231	101	22.4
Magnesium	mg/kg	13700	9220		10800	12700	3600
Manganese	mg/kg	666	522		378	370	938
Mercury	mg/kg	0.04 J	0.06 J		0.1 J	0.06 J	0.1 J
Nickel	mg/kg	26.3	24.7		17.1	16.9	22.8
Potassium	mg/kg	1970	1490		1080	901	1080
Selenium	mg/kg	0.59 J	0.77 J		0.59 J	0.62 J	1 J
Silver	mg/kg	0.54 U	0.79 J		0.67 U	0.45 U	0.51 U
Sodium	mg/kg	195 J	241 J		1900	356 J	47.9 U
Thallium	mg/kg	0.47 U	0.59 U		2.3 U	2.5 U	0.59 U
Vanadium	mg/kg	29.5	27.3		21.9	17.8	27.9
Zinc	mg/kg	84	122		114	86.8	72.8
Cyanide	mg/kg	0.62 U	0.57 U		0.61 R	0.55 U	0.76 U

OB GROUNDS
BURN KETTLE SOILS
SUMMARY OF VALIDATED RESULTS – PHASE II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB
	DEPTH(FT.)	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5
	DATE	03/10/93	03/10/93	03/10/93	03/10/93	03/10/93	03/10/93
	ES ID	BKTL-1	BKTL-1RE	BKTL-2	BKTL-3	BKTL-4	BKTL-5
	LAB ID	179822	179822R1	179823	179824	179825	179826
COMPOUND	UNITS						
Volatile Organic Compounds							
Chloromethane	ug/Kg	14 U		12 U	12 U	13 U	12 U
Bromomethane	ug/Kg	14 U		12 U	12 U	13 U	12 U
Vinyl Chloride	ug/Kg	14 U		12 U	12 U	13 U	12 U
Chloroethane	ug/Kg	14 U		12 U	12 U	13 U	12 U
Methylene Chloride	ug/Kg	14 U		12 U	12 U	13 U	12 U
Acetone	ug/Kg	14 U		12 U	12 U	13 U	12 U
Carbon Disulfide	ug/Kg	14 U		12 U	12 U	13 U	12 U
1,1-Dichloroethene	ug/Kg	14 U		12 U	12 U	13 U	12 U
1,1-Dichloroethane	ug/Kg	14 U		12 U	12 U	13 U	12 U
1,2-Dichloroethene (total)	ug/Kg	14 U		12 U	12 U	13 U	12 U
Chloroform	ug/Kg	14 U		2 J	12 U	13 U	12 U
1,2-Dichloroethane	ug/Kg	14 U		12 U	12 U	13 U	12 U
2-Butanone	ug/Kg	14 U		12 U	12 U	13 U	12 U
1,1,1-Trichloroethane	ug/Kg	14 U		12 U	12 U	13 U	12 U
Carbon Tetrachloride	ug/Kg	14 U		12 U	12 U	13 U	12 U
Vinyl Acetate	ug/Kg						
Bromodichloromethane	ug/Kg	14 U		12 U	12 U	13 U	12 U
1,2-Dichloropropane	ug/Kg	14 U		12 U	12 U	13 U	12 U
cis-1,3-Dichloropropene	ug/Kg	14 U		12 U	12 U	13 U	12 U
Trichloroethene	ug/Kg	14 U		12 U	12 U	13 U	12 U
Dibromochloromethane	ug/Kg	14 U		12 U	12 U	13 U	12 U
1,1,2-Trichloroethane	ug/Kg	14 U		12 U	12 U	13 U	12 U
Benzene	ug/Kg	14 U		12 U	12 U	13 U	12 U
trans-1,3-Dichloropropene	ug/Kg	14 U		12 U	12 U	13 U	12 U
Bromoform	ug/Kg	14 U		12 U	12 U	13 U	12 U
4-Methyl-2-Pentanone	ug/Kg	14 U		12 U	12 U	13 U	12 U
2-Hexanone	ug/Kg	14 U		12 U	12 U	13 U	12 U
Tetrachloroethene	ug/Kg	14 U		12 U	12 U	13 U	12 U
1,1,2,2-Tetrachloroethane	ug/Kg	14 U		12 U	12 U	13 U	12 U
Toluene	ug/Kg	14 U		12 U	12 U	13 U	12 U
Chlorobenzene	ug/Kg	14 U		12 U	12 U	13 U	12 U
Ethylbenzene	ug/Kg	14 U		12 U	12 U	13 U	12 U
Styrene	ug/Kg	14 U		12 U	12 U	13 U	12 U
Xylene (total)	ug/Kg	14 U		12 U	12 U	13 U	12 U

OB GROUNDS
BURN KETTLE SOILS
SUMMARY OF VALIDATED RESULTS – PHASE II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB
	DEPTH(FT.)	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5
	DATE	03/10/93	03/10/93	03/10/93	03/10/93	03/10/93	03/10/93
	ES ID	BKTL-1	BKTL-1RE	BKTL-2	BKTL-3	BKTL-4	BKTL-5
	LAB ID	179822	179822R1	179823	179824	179825	179826
COMPOUND	UNITS						
Semivolatiles							
Phenol	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
bis(2-Chloroethyl) ether	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
2-Chlorophenol	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
1,3-Dichlorobenzene	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
1,4-Dichlorobenzene	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
Benzyl Alcohol	ug/Kg						
1,2-Dichlorobenzene	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
2-Methylphenol	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
4-Methylphenol	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
N-Nitroso-di-n-propylamine	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
Hexachloroethane	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
Nitrobenzene	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
Isophorone	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
2-Nitrophenol	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
2,4-Dimethylphenol	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
Benzoic Acid							
bis(2-Chloroethoxy) methane	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
2,4-Dichlorophenol	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
1,2,4-Trichlorobenzene	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
Naphthalene	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
4-Chloroaniline	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
Hexachlorobutadiene	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
4-Chloro-3-Methylphenol	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
2-Methylnaphthalene	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
Hexachlorocyclopentadiene	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
2,4,6-Trichlorophenol	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
2,4,5-Trichlorophenol	ug/Kg	1100 U	1100 U	1000 U	980 U	1000 U	980 U
2-Chloronaphthalene	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
2-Nitroaniline	ug/Kg	1100 U	1100 U	1000 U	980 U	1000 U	980 U
Dimethylphthalate	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
Acenaphthylene	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
2,6-Dinitrotoluene	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
3-Nitroaniline	ug/Kg	1100 U	1100 U	1000 U	980 U	1000 U	980 U
Acenaphthene	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
2,4-Dinitrophenol	ug/Kg	1100 U	1100 U	1000 U	980 U	1000 U	980 U
4-Nitrophenol	ug/Kg	1100 U	1100 U	1000 U	980 U	1000 U	980 U
Dibenzofuran	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
2,4-Dinitrotoluene	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
Diethylphthalate	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
4-Chlorophenyl-phenyl ether	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
Fluorene	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
4-Nitroaniline	ug/Kg	1100 U	1100 U	1000 U	980 U	1000 U	980 U
4,6-Dinitro-2-methylphenol	ug/Kg	1100 U	1100 U	1000 U	980 U	1000 U	980 U
N-Nitrosodiphenylamine	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
4-Bromophenyl-phenyl ether	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
Hexachlorobenzene	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
Pentachlorophenol	ug/Kg	540 R	1100 U	1000 U	980 U	1000 U	980 U
Phenanthrene	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
Anthracene	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
Carbazole	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
Di-n-butylphthalate	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
Fluoranthene	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
Pyrene	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
Butylbenzylphthalate	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
3,3'-Dichlorobenzidine	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
Benzo(a)anthracene	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
Chrysene	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
bis(2-Ethylhexyl)phthalate	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
Di-n-octylphthalate	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
Benzo(b)fluoranthene	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
Benzo(k)fluoranthene	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
Benzo(a)pyrene	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
Indeno(1,2,3-cd)pyrene	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
Dibenz(a,h)anthracene	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U
Benzo(g,h,i)perylene	ug/Kg	450 U	450 U	410 U	400 U	420 U	400 U

OB GROUNDS
BURN KETTLE SOILS
SUMMARY OF VALIDATED RESULTS – PHASE II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB
	DEPTH(FT.)	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5
	DATE	03/10/93	03/10/93	03/10/93	03/10/93	03/10/93	03/10/93
	ES ID	BKTL-1	BKTL-1RE	BKTL-2	BKTL-3	BKTL-4	BKTL-5
	LAB ID	179822	179822R1	179823	179824	179825	179826
COMPOUND	UNITS						
Pesticides/PCBs							
alpha-BHC	ug/Kg	2.3 U		2.1 U	2.1 U	2.2 U	2.1 U
beta-BHC	ug/Kg	2.3 U		2.1 U	2.1 U	2.2 U	2.1 U
delta-BHC	ug/Kg	2.3 U		2.1 U	2.1 U	2.2 U	2.1 U
gamma-BHC (Lindane)	ug/Kg	2.3 U		2.1 U	2.1 U	2.2 U	2.1 U
Heptachlor	ug/Kg	2.3 U		2.1 U	2.1 U	2.2 U	2.1 U
Aldrin	ug/Kg	2.3 U		2.1 U	2.1 U	2.2 U	2.1 U
Heptachlor epoxide	ug/Kg	2.3 U		2.1 U	2.1 U	2.2 U	2.1 U
Endosulfan I	ug/Kg	2.3 U		2.1 U	2.1 U	2.2 U	2.1 U
Dieldrin	ug/Kg	4.5 U		4.1 U	4 U	4.2 U	4 U
4,4'-DDE	ug/Kg	4.5 U		4.1 U	4 U	4.2 U	4 U
Endrin	ug/Kg	4.5 U		4.1 U	4 U	4.2 U	4 U
Endosulfan II	ug/Kg	4.5 U		4.1 U	4 U	4.2 U	4 U
4,4'-DDD	ug/Kg	4.5 U		4.1 U	4 U	4.2 U	4 U
Endosulfan sulfate	ug/Kg	4.5 U		4.1 U	4 U	4.2 U	4 U
4,4'-DDT	ug/Kg	4.5 U		4.1 U	4 U	4.2 U	4 U
Methoxychlor	ug/Kg	23 U		21 U	21 U	22 U	21 U
Endrin ketone	ug/Kg	4.5 U		4.1 U	4 U	4.2 U	4 U
Endrin aldehyde	ug/Kg	4.5 U		4.1 U	4 U	4.2 U	4 U
alpha-Chlordane	ug/Kg	2.3 U		2.1 U	2.1 U	2.2 U	2.1 U
gamma-Chlordane	ug/Kg	2.3 U		2.1 U	2.1 U	2.2 U	2.1 U
Toxaphene	ug/Kg	230 U		210 U	210 U	220 U	210 U
Aroclor-1016	ug/Kg	45 U		41 U	40 U	42 U	40 U
Aroclor-1221	ug/Kg	92 U		84 U	82 U	85 U	82 U
Aroclor-1232	ug/Kg	45 U		41 U	40 U	42 U	40 U
Aroclor-1242	ug/Kg	45 U		41 U	40 U	42 U	40 U
Aroclor-1248	ug/Kg	45 U		41 U	40 U	42 U	40 U
Aroclor-1254	ug/Kg	45 U		41 U	40 U	42 U	40 U
Aroclor-1260	ug/Kg	45 U		41 U	40 U	42 U	40 U

OB GROUNDS
BURN KETTLE SOILS
SUMMARY OF VALIDATED RESULTS – PHASE II

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	OB	OB	OB	OB	OB	OB
	DEPTH(FT.)	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5
	DATE	03/10/93	03/10/93	03/10/93	03/10/93	03/10/93	03/10/93
	ES ID	BKTL-1	BKTL-1RE	BKTL-2	BKTL-3	BKTL-4	BKTL-5
	LAB ID	179822	179822R1	179823	179824	179825	179826
COMPOUND	UNITS						
Explosives							
HMX	ug/Kg	120 U		120 U	120 U	120 U	120 U
RDX	ug/Kg	120 U		120 U	120 U	120 U	120 U
1,3,5-Trinitrobenzene	ug/Kg	120 U		120 U	120 U	120 U	120 U
1,3-Dinitrobenzene	ug/Kg	120 U		120 U	120 U	120 U	120 U
Tetryl	ug/Kg	120 U		120 U	120 U	120 U	120 U
2,4,6-Trinitrotoluene	ug/Kg	120 U		120 U	120 U	120 U	120 U
4-amino-2,6-Dinitrotoluene	ug/Kg	120 U		120 U	120 U	120 U	120 U
2-amino-4,6-Dinitrotoluene	ug/Kg	120 U		120 U	120 U	120 U	120 U
2,6-Dinitrotoluene	ug/Kg	120 U		120 U	120 U	120 U	120 U
2,4-Dinitrotoluene	ug/Kg	120 U		120 U	120 U	120 U	120 U
Metals							
Aluminum	mg/kg	19300		17300	17300	14600	18200
Antimony	mg/kg	11.8 UJ		9.8 UJ	9.7 J	12.2 UJ	8.2 UJ
Arsenic	mg/kg	3.7		4.6	6.6	5.8	6.3
Barium	mg/kg	153		106	130	136	155
Beryllium	mg/kg	0.99 J		0.97	0.85 J	0.73 J	0.99
Cadmium	mg/kg	0.68 U		0.56 U	0.53 U	0.7 U	0.47 U
Calcium	mg/kg	5380		3540	10200	11300	5440
Chromium	mg/kg	54.1		21.6	24	22.2	23.4
Cobalt	mg/kg	16.9		10.7	11.2	11.1 J	11.1
Copper	mg/kg	56.2		15.4	24.2	32.2	23.4
Iron	mg/kg	54800		28300	28000	27300	31500
Lead	mg/kg	30.4		16.7 J	20.3	201	19.4
Magnesium	mg/kg	6610		3310	6270	4670	4810
Manganese	mg/kg	922		1150	613	688	1150
Mercury	mg/kg	0.05 J		0.05 J	0.05 J	0.14 J	0.07 J
Nickel	mg/kg	48.3		20.4	31.5	35.1	26.9
Potassium	mg/kg	1720		993	1410	1280	1620
Selenium	mg/kg	0.29 UJ		0.18 J	0.29 J	0.31 J	0.25 UJ
Silver	mg/kg	0.7 U		0.58 U	0.54 U	0.72 U	0.49 U
Sodium	mg/kg	65.1 U		54.2 J	50.8 U	67.1 U	48.1 J
Thallium	mg/kg	0.67 U		0.37 U	0.61 U	0.58 U	0.6 U
Vanadium	mg/kg	30.3		31.4	27.3	25.3	32.4
Zinc	mg/kg	73.2		57.6	58	90.1	53.4
Cyanide	mg/kg	0.68 U		0.63 U	0.62 U	0.63 U	0.62 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX	PHASE I	PHASE I	PHASE II	PHASE I	PHASE I	PHASE II	PHASE I
	LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	DATE	MW-5	MW-5	OB	MW-6	MW-6	OB	MW-7
	ES ID	01/08/92	01/08/92	03/01/93	01/14/92	01/14/92	03/02/93	01/10/92
	LAB ID	MW-5	MW-5 Filtered	MW-5	MW-6	MW-6 Filtered	MW-6	MW-7
	UNITS	152138	152168	179428	152488	152496	179505	152211
Volatile Organic Compounds								
Chloromethane	ug/L	10 U		0.5 U	10 U		0.5 U	10 U
Bromomethane	ug/L	10 U		0.5 U	10 U		0.5 U	10 U
Vinyl Chloride	ug/L	10 U		0.5 U	10 U		0.5 U	10 U
Chloroethane	ug/L	10 U		0.5 U	10 U		0.5 U	10 U
Methylene Chloride	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Acetone	ug/L	9 J		5 U	10 U		5 U	10 U
Carbon Disulfide	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
1,1-Dichloroethene	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
1,1-Dichloroethane	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
trans-1,2-Dichloroethene	ug/L			0.5 U			0.5 U	
cis-1,2-Dichloroethene	ug/L			0.5 U			0.5 U	
1,2-Dichloroethene (total)	ug/L	5 U			5 U			5 U
Chloroform	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
1,2-Dichloroethane	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
2-Butanone	ug/L	10 U		5 U	10 U		5 U	10 U
1,1,1-Trichloroethane	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Carbon Tetrachloride	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Vinyl Acetate	ug/L	10 U			10 U			10 U
Bromodichloromethane	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
1,2-Dichloropropane	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
cis-1,3-Dichloropropene	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Trichloroethene	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Dibromochloromethane	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
1,1,2-Trichloroethane	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Benzene	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
trans-1,3-Dichloropropene	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Bromoform	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
4-Methyl-2-Pentanone	ug/L	10 U		5 U	10 U		5 U	10 U
2-Hexanone	ug/L	10 U		5 U	10 U		5 U	10 U
Tetrachloroethene	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Toluene	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Chlorobenzene	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Ethylbenzene	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Styrene	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Xylene (total)	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Dichlorodifluoromethane	ug/L			0.5 U			0.5 U	
Trichlorofluoromethane	ug/L			0.5 U			0.5 U	
2,2-Dichloropropane	ug/L			0.5 U			0.5 U	
Bromochloromethane	ug/L			0.5 U			0.5 U	
1,1-Dichloropropene	ug/L			0.5 U			0.5 U	
Dibromomethane	ug/L			0.5 U			0.5 U	
1,3-Dichloropropane	ug/L			0.5 U			0.5 U	
1,2-Dibromoethane	ug/L			0.5 U			0.5 U	
1,1,1,2-Tetrachloroethane	ug/L			0.5 U			0.5 U	
Isopropylbenzene	ug/L			0.5 U			0.5 U	
Bromobenzene	ug/L			0.5 U			0.5 U	
1,2,3-Trichloropropane	ug/L			0.5 U			0.5 U	
n-Propylbenzene	ug/L			0.5 U			0.5 U	
2-Chlorotoluene	ug/L			0.5 U			0.5 U	
4-Chlorotoluene	ug/L			0.5 U			0.5 U	
1,3,5-Trimethylbenzene	ug/L			0.5 U			0.5 U	
tert-Butylbenzene	ug/L			0.5 U			0.5 U	
1,2,4-Trimethylbenzene	ug/L			0.5 U			0.5 U	
sec-Butylbenzene	ug/L			0.5 U			0.5 U	
1,3-Dichlorobenzene	ug/L			0.5 U			0.5 U	
1,4-Dichlorobenzene	ug/L			0.5 U			0.5 U	
p-Isopropyltoluene	ug/L			0.5 U			0.5 U	
1,2-Dichlorobenzene	ug/L			0.5 U			0.5 U	
n-Butylbenzene	ug/L			0.5 U			0.5 U	
1,2-Dibromo-3-Chloropropane	ug/L			0.5 U			0.5 U	
1,2,4-Trichlorobenzene	ug/L			0.5 U			0.5 U	
Hexachlorobutadiene	ug/L			0.5 U			0.5 U	
Naphthalene	ug/L			0.5 U			0.5 U	
1,2,3-Trichlorobenzene	ug/L			0.5 U			0.5 U	

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX LOCATION DATE ES ID LAB ID UNITS	PHASE I WATER MW-5 01/08/92 MW-5 152138	PHASE I WATER MW-5 01/08/92 MW-5 Filtered 152168	PHASE II WATER OB 03/01/93 MW-5 179428	PHASE I WATER MW-6 01/14/92 MW-6 152488	PHASE I WATER MW-6 01/14/92 MW-6 Filtered 152496	PHASE II WATER OB 03/02/93 MW-6 179505	PHASE I WATER MW-7 01/10/92 MW-7 152211
Semivolatiles								
Phenol	ug/L	10 U		10 U	11 U		10 U	11 U
bis(2-Chloroethyl) ether	ug/L	10 U		10 U	11 U		10 U	11 U
2-Chlorophenol	ug/L	10 U		10 U	11 U		10 U	11 U
1,3-Dichlorobenzene	ug/L	10 U		10 U	11 U		10 U	11 U
1,4-Dichlorobenzene	ug/L	10 U		10 U	11 U		10 U	11 U
Benzyl Alcohol	ug/L	10 U			11 U			11 U
1,2-Dichlorobenzene	ug/L	10 U		10 U	11 U		10 U	11 U
2-Methylphenol	ug/L	10 U		10 U	11 U		10 U	11 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U		10 U	11 U		10 U	11 U
4-Methylphenol	ug/L	10 U		10 U	11 U		10 U	11 U
N-Nitroso-di-n-propylamine	ug/L	10 U		10 U	11 U		10 U	11 U
Hexachloroethane	ug/L	10 U		10 U	11 U		10 U	11 U
Nitrobenzene	ug/L	10 U		10 U	11 U		10 U	11 U
Isophorone	ug/L	10 U		10 U	11 U		10 U	11 U
2-Nitrophenol	ug/L	10 U		10 U	11 U		10 U	11 U
2,4-Dimethylphenol	ug/L	10 U		10 U	11 U		10 U	11 U
Benzoic acid	ug/L	52 U			54 U			55 U
bis(2-Chloroethoxy) methane	ug/L	10 U		10 U	11 U		10 U	11 U
2,4-Dichlorophenol	ug/L	10 U		10 U	11 U		10 U	11 U
1,2,4-Trichlorobenzene	ug/L	10 U		10 U	11 U		10 U	11 U
Naphthalene	ug/L	10 U		10 U	11 U		10 U	11 U
4-Chloroaniline	ug/L	10 U		10 U	11 U		10 U	11 U
Hexachlorobutadiene	ug/L	10 U		10 U	11 U		10 U	11 U
4-Chloro-3-methylphenol	ug/L	10 U		10 U	11 U		10 U	11 U
2-Methylnaphthalene	ug/L	10 U		10 U	11 U		10 U	11 U
Hexachlorocyclopentadiene	ug/L	10 U		10 U	11 U		10 U	11 U
2,4,6-Trichlorophenol	ug/L	10 U		10 U	11 U		10 U	11 U
2,4,5-Trichlorophenol	ug/L	52 U		25 U	54 U		25 U	55 U
2-Chloronaphthalene	ug/L	10 U		10 U	11 U		10 U	11 U
2-Nitroaniline	ug/L	52 U		25 U	54 U		25 U	55 U
Dimethylphthalate	ug/L	10 U		10 U	11 U		10 U	11 U
Acenaphthylene	ug/L	10 U		10 U	11 U		10 U	11 U
2,6-Dinitrotoluene	ug/L	10 U		10 U	11 U		10 U	11 U
3-Nitroaniline	ug/L	52 U		25 U	54 U		25 U	55 U
Acenaphthene	ug/L	10 U		10 U	11 U		10 U	11 U
2,4-Dinitrophenol	ug/L	52 U		25 U	54 U		25 U	55 U
4-Nitrophenol	ug/L	52 U		25 U	54 U		25 U	55 U
Dibenzofuran	ug/L	10 U		10 U	11 U		10 U	11 U
2,4-Dinitrotoluene	ug/L	10 U		10 U	11 U		10 U	11 U
Diethylphthalate	ug/L	10 U		10 U	11 U		10 U	11 U
4-Chlorophenyl-phenylether	ug/L	10 U		10 U	11 U		10 U	11 U
Fluorene	ug/L	10 U		10 U	11 U		10 U	11 U
4-Nitroaniline	ug/L	52 U		25 U	54 U		25 U	55 U
4,6-Dinitro-2-methylphenol	ug/L	52 U		25 U	54 U		25 U	55 U
N-Nitrosodiphenylamine	ug/L	10 U		10 U	11 U		10 U	11 U
4-Bromophenyl-phenylether	ug/L	10 U		10 U	11 U		10 U	11 U
Hexachlorobenzene	ug/L	10 U		10 U	11 U		10 U	11 U
Pentachlorophenol	ug/L	52 U		25 U	54 U		25 U	55 U
Phenanthrene	ug/L	10 U		10 U	11 U		10 U	11 U
Anthracene	ug/L	10 U		10 U	11 U		10 U	11 U
Carbazole	ug/L			10 U			10 U	
Di-n-butylphthalate	ug/L	10 U		10 U	11 U		10 U	11 U
Fluoranthene	ug/L	10 U		10 U	11 U		10 U	11 U
Pyrene	ug/L	10 U		10 U	11 U		10 U	11 U
Butylbenzylphthalate	ug/L	10 U		10 U	11 U		10 U	11 U
3,3'-Dichlorobenzidine	ug/L	21 U		10 U	22 U		10 U	22 U
Benzo(a)anthracene	ug/L	10 U		10 U	11 U		10 U	11 U
Chrysene	ug/L	10 U		10 U	11 U		10 U	11 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U		10 U	11 U		10 U	11 U
Di-n-octylphthalate	ug/L	10 U		10 U	11 U		10 U	11 U
Benzo(b)fluoranthene	ug/L	10 U		10 U	11 U		10 U	11 U
Benzo(k)fluoranthene	ug/L	10 U		10 U	11 U		10 U	11 U
Benzo(a)pyrene	ug/L	10 U		10 U	11 U		10 U	11 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U		10 U	11 U		10 U	11 U
Dibenz(a,h)anthracene	ug/L	10 U		10 U	11 U		10 U	11 U
Benzo(g,h,i)perylene	ug/L	10 U		10 U	11 U		10 U	11 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX	PHASE I	PHASE I	PHASE II	PHASE I	PHASE I	PHASE II	PHASE I
	LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	DATE	MW-5	MW-5	OB	MW-6	MW-6	OB	MW-7
	ES ID	01/08/92	01/08/92	03/01/93	01/14/92	01/14/92	03/02/93	01/10/92
	LAB ID	MW-5	MW-5 Filtered	MW-5	MW-6	MW-6 Filtered	MW-6	MW-7
	UNITS	152138	152168	179428	152488	152496	179505	152211
Pesticides/PCBs								
alpha-BHC	ug/L	0.05 U		0.054 U	0.053 U		0.05 U	0.057 U
beta-BHC	ug/L	0.05 U		0.054 U	0.053 U		0.05 U	0.057 U
delta-BHC	ug/L	0.05 U		0.054 U	0.053 U		0.05 U	0.057 U
gamma-BHC (Lindane)	ug/L	0.05 U		0.054 U	0.053 U		0.05 U	0.057 U
Heptachlor	ug/L	0.05 U		0.054 U	0.053 U		0.05 U	0.057 U
Aldrin	ug/L	0.05 U		0.054 U	0.053 U		0.05 U	0.057 U
Heptachlor epoxide	ug/L	0.05 U		0.054 U	0.053 U		0.05 U	0.057 U
Endosulfan I	ug/L	0.05 U		0.054 U	0.053 U		0.05 U	0.057 U
Dieldrin	ug/L	0.1 U		0.11 U	0.11 U		0.1 U	0.11 U
4,4'-DDE	ug/L	0.1 U		0.11 U	0.11 U		0.1 U	0.11 U
Endrin	ug/L	0.1 U		0.11 U	0.11 U		0.1 U	0.11 U
Endosulfan II	ug/L	0.1 U		0.11 U	0.11 U		0.1 U	0.11 U
4,4'-DDD	ug/L	0.1 U		0.11 U	0.11 U		0.1 U	0.11 U
Endosulfan sulfate	ug/L	0.1 U		0.11 U	0.11 U		0.1 U	0.11 U
4,4'-DDT	ug/L	0.1 U		0.11 U	0.11 U		0.1 U	0.11 U
Methoxychlor	ug/L	0.5 U		0.54 U	0.53 U		0.5 U	0.57 U
Endrin ketone	ug/L	0.1 U		0.11 U	0.11 U		0.1 U	0.11 U
Endrin aldehyde	ug/L			0.11 U			0.1 U	
alpha-Chlordane	ug/L	0.5 U		0.054 U	0.53 U		0.05 U	0.57 U
gamma-Chlordane	ug/L	0.5 U		0.054 U	0.53 U		0.05 U	0.57 U
Toxaphene	ug/L	1 U		5.4 U	1.1 U		5 U	1.1 U
Aroclor-1016	ug/L	0.5 U		1.1 U	0.53 U		1 U	0.57 U
Aroclor-1221	ug/L	0.5 U		2.2 U	0.53 U		2 U	0.57 U
Aroclor-1232	ug/L	0.5 U		1.1 U	0.53 U		1 U	0.57 U
Aroclor-1242	ug/L	0.5 U		1.1 U	0.53 U		1 U	0.57 U
Aroclor-1248	ug/L	0.5 U		1.1 U	0.53 U		1 U	0.57 U
Aroclor-1254	ug/L	1 U		1.1 U	1.1 U		1 U	1.1 U
Aroclor-1260	ug/L	1 U		1.1 U	1.1 U		1 U	1.1 U
Explosives								
HMX	ug/L	1 U		0.12 U	1 U		0.12 U	1 U
RDX	ug/L	0.12 U		0.12 U	0.12 U		0.12 U	0.12 U
1,3,5-Trinitrobenzene	ug/L	0.12 U		0.12 U	0.12 U		0.12 U	0.12 U
1,3-Dinitrobenzene	ug/L	0.12 U		0.12 U	0.12 U		0.12 U	0.12 U
Tetryl	ug/L	0.4 U		0.12 U	0.4 U		0.12 U	0.4 U
2,4,6-Trinitrotoluene	ug/L	0.12 U		0.12 U	0.12 U		0.12 U	0.12 U
4-amino-2,6-Dinitrotoluene	ug/L	0.12 U		0.12 U	0.12 U		0.12 U	0.12 U
2-amino-4,6-Dinitrotoluene	ug/L	0.12 U		0.12 U	0.12 U		0.12 U	0.12 U
2,6-Dinitrotoluene	ug/L	0.12 U		0.12 U	0.12 U		0.12 U	0.12 U
2,4-Dinitrotoluene	ug/L	0.12 U		0.12 U	0.12 U		0.12 U	0.12 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX	PHASE I	PHASE I	PHASE II	PHASE I	PHASE I	PHASE II	PHASE I
	LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	DATE	MW-5	MW-5	OB	MW-6	MW-6	OB	MW-7
	ES ID	01/08/92	01/08/92	03/01/93	01/14/92	01/14/92	03/02/93	01/10/92
	LAB ID	MW-5	MW-5 Filtered	MW-5	MW-6	MW-6 Filtered	MW-6	MW-7
	UNITS	152138	152168	179428	152468	152496	179505	152211
Metals								
Aluminum	ug/l	3540 J	24.5 U	2180	5490 J	24.5 U	3440	27500
Antimony	ug/l	55.8 U	53.2 U	54 U	53.2 U	53.3 U	53.7 U	55.8 U
Arsenic	ug/l	3.5 U	3.5 U	1.7 U	3.5 U	3.5 U	1.7 U	3.5 U
Barium	ug/l	71.3 J	44 R	69.4 J	108 J	66.6 J	94.1 J	253
Beryllium	ug/l	1.2 U	1.1 U R	0.3 U	1.1 U	1.3 R	0.3 U	2.5 R
Cadmium	ug/l	2.9 U	3 U	3.1 U	3 U	3 U	3.1 U	2.9 U
Calcium	ug/l	95500	98100	106000	110000	91300	108000	122000
Chromium	ug/l	7.1 R	6.2 U R	3.9 R	9.2 J	6.2 U R	4.9 J	36.7 R
Cobalt	ug/l	19.9 U	20.4 U	5 U	20.4 U	20.5 U	5 U	19.9 U
Copper	ug/l	24.7 J	10.2 U	2.4 R	12 J	10.2 U	5.6 J	42.7
Iron	ug/l	4960	7 U R	2420	7660 J	7 U R	4550	39600
Lead	ug/l	1.4 J	1.2 U	1.1 J	3.4	1.2 U	2.3 J	37.3
Magnesium	ug/l	20600	22000	26100	38300	29200	33600	28700
Manganese	ug/l	71.6 J	5.9 J	51.2	151	5.5 J	77.9	707 J
Mercury	ug/l	0.18 R	0.17 R	0.06 U	0.17 R	0.15 R	0.06 U	0.23 R
Nickel	ug/l	15.9 U	14.7 U	4.3 J	17.8 J	14.8 U	8.5 J	59.9
Potassium	ug/l	1280 J	288 U	1170 J	2280 J	561 J	2130 J	5600
Selenium	ug/l	1 U	1.8 J	1.1 U	1.8 J	3 J	1.2 J	1 U
Silver	ug/l	9.1 U	3.4 U	3.2 U	6.2 R	3.4 U	3.2 U	9.1 U
Sodium	ug/l	17300	18400	17400	15700	14000	9900	5190
Thallium	ug/l	3.2 U	3.2 U	2.6 U	3.2 U	3.2 U	2.6 U	3.2 U
Vanadium	ug/l	30.5 U	9.5 U	4.3 R	13 J	9.5 U	5.9 J	34.2 J
Zinc	ug/l	27.3 R	8.5 U	11.2 R	41.5 R	8.5 U	21.3 R	133
Cyanide	ug/l	10 U J		10 U	10 U		10 U	10 U J

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX	PHASE I	PHASE II	PHASE I	PHASE I	PHASE I	PHASE I	PHASE II
	LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	DATE	MW-7	OB	MW-8	MW-8	MW-8A	MW-8	OB
	ES ID	01/10/92	03/01/93	01/15/92	01/15/92	01/15/92	01/15/92	03/01/93
	LAB ID	MW-7 Filtered	MW-7	MW-8	MW-8 Filtered	MW-8A	MW-8A Filtered	MW-8
	UNITS	152219	179430	152578	152596	152579	152597	179432
Volatile Organic Compounds								
Chloromethane	ug/L		0.5 U	10 U		10 U		0.5 U
Bromomethane	ug/L		0.5 U	10 U		10 U		0.5 U
Vinyl Chloride	ug/L		0.5 U	10 U		10 U		0.5 U
Chloroethane	ug/L		0.5 U	10 U		10 U		0.5 U
Methylene Chloride	ug/L		0.5 U	5 U		5 U		0.5 U
Acetone	ug/L		5 U	10 U		10 U		5 U
Carbon Disulfide	ug/L		0.5 U	5 U		5 U		0.5 U
1,1-Dichloroethene	ug/L		0.5 U	5 U		5 U		0.5 U
1,1-Dichloroethane	ug/L		0.5 U	5 U		5 U		0.5 U
trans-1,2-Dichloroethene	ug/L		0.5 U					0.5 U
cis-1,2-Dichloroethene	ug/L		0.5 U					0.5 U
1,2-Dichloroethene (total)	ug/L			5 U		5 U		
Chloroform	ug/L		0.5 U	5 U		5 U		0.5 U
1,2-Dichloroethane	ug/L		0.5 U	5 U		5 U		0.5 U
2-Butanone	ug/L		5 U	10 U		10 U		5 U
1,1,1-Trichloroethane	ug/L		0.5 U	5 U		5 U		0.5 U
Carbon Tetrachloride	ug/L		0.5 U	5 U		5 U		0.5 U
Vinyl Acetate	ug/L			10 U		10 U		
Bromodichloromethane	ug/L		0.5 U	5 U		5 U		0.5 U
1,2-Dichloropropane	ug/L		0.5 U	5 U		5 U		0.5 U
cis-1,3-Dichloropropene	ug/L		0.5 U	5 U		5 U		0.5 U
Trichloroethene	ug/L		0.5 U	5 U		5 U		0.5 U
Dibromochloromethane	ug/L		0.5 U	5 U		5 U		0.5 U
1,1,2-Trichloroethane	ug/L		0.5 U	5 U		5 U		0.5 U
Benzene	ug/L		0.5 U	5 U		5 U		0.5 U
trans-1,3-Dichloropropene	ug/L		0.5 U	5 U		5 U		0.5 U
Bromoform	ug/L		0.5 U	5 U		5 U		0.5 U
4-Methyl-2-Pentanone	ug/L		5 U	10 U		10 U		5 U
2-Hexanone	ug/L		5 U	10 U		10 U		5 U
Tetrachloroethene	ug/L		0.5 U	5 U		5 U		0.5 U
1,1,2,2-Tetrachloroethane	ug/L		0.5 U	5 U		5 U		0.5 U
Toluene	ug/L		0.5 U	5 U		5 U		0.5 U
Chlorobenzene	ug/L		0.5 U	5 U		5 U		0.5 U
Ethylbenzene	ug/L		0.5 U	5 U		5 U		0.5 U
Styrene	ug/L		0.5 U	5 U		5 U		0.5 U
Xylene (total)	ug/L		0.5 U	5 U		5 U		0.5 U
Dichlorodifluoromethane	ug/L		0.5 U					0.5 U
Trichlorofluoromethane	ug/L		0.5 U					0.5 U
2,2-Dichloropropane	ug/L		0.5 U					0.5 U
Bromochloromethane	ug/L		0.5 U					0.5 U
1,1-Dichloropropene	ug/L		0.5 U					0.5 U
Dibromomethane	ug/L		0.5 U					0.5 U
1,3-Dichloropropane	ug/L		0.5 U					0.5 U
1,2-Dibromoethane	ug/L		0.5 U					0.5 U
1,1,1,2-Tetrachloroethane	ug/L		0.5 U					0.5 U
Isopropylbenzene	ug/L		0.5 U					0.5 U
Bromobenzene	ug/L		0.5 U					0.5 U
1,2,3-Trichloropropane	ug/L		0.5 U					0.5 U
n-Propylbenzene	ug/L		0.5 U					0.5 U
2-Chlorotoluene	ug/L		0.5 U					0.5 U
4-Chlorotoluene	ug/L		0.5 U					0.5 U
1,3,5-Trimethylbenzene	ug/L		0.5 U					0.5 U
tert-Butylbenzene	ug/L		0.5 U					0.5 U
1,2,4-Trimethylbenzene	ug/L		0.5 U					0.5 U
sec-Butylbenzene	ug/L		0.5 U					0.5 U
1,3-Dichlorobenzene	ug/L		0.5 U					0.5 U
1,4-Dichlorobenzene	ug/L		0.5 U					0.5 U
p-Isopropyltoluene	ug/L		0.5 U					0.5 U
1,2-Dichlorobenzene	ug/L		0.5 U					0.5 U
n-Butylbenzene	ug/L		0.5 U					0.5 U
1,2-Dibromo-3-Chloropropane	ug/L		0.5 U					0.5 U
1,2,4-Trichlorobenzene	ug/L		0.5 U					0.5 U
Hexachlorobutadiene	ug/L		0.5 U					0.5 U
Naphthalene	ug/L		0.5 U					0.5 U
1,2,3-Trichlorobenzene	ug/L		0.5 U					0.5 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX	PHASE I	PHASE II	PHASE I	PHASE I	PHASE I	PHASE I	PHASE II
	LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	DATE	MW-7	OB	MW-8	MW-8	MW-8A	MW-8	OB
	ES ID	01/10/92	03/01/93	01/15/92	01/15/92	01/15/92	01/15/92	03/01/93
	LAB ID	MW-7 Filtered	MW-7	MW-8	MW-8 Filtered	MW-8A	MW-8A Filtered	MW-8
	UNITS	152219	179430	152578	152596	152579	152597	179432
Semivolatiles								
Phenol	ug/L		10 U	11 U		11 U		10 U
bis(2-Chloroethyl) ether	ug/L		10 U	11 U		11 U		10 U
2-Chlorophenol	ug/L		10 U	11 U		11 U		10 U
1,3-Dichlorobenzene	ug/L		10 U	11 U		11 U		10 U
1,4-Dichlorobenzene	ug/L		10 U	11 U		11 U		10 U
Benzyl Alcohol	ug/L			11 U		11 U		
1,2-Dichlorobenzene	ug/L		10 U	11 U		11 U		10 U
2-Methylphenol	ug/L		10 U	11 U		11 U		10 U
2,2'-oxybis(1-Chloropropane)	ug/L		10 U	11 U		11 U		10 U
4-Methylphenol	ug/L		10 U	11 U		11 U		10 U
N-Nitroso-di-n-propylamine	ug/L		10 U	11 U		11 U		10 U
Hexachloroethane	ug/L		10 U	11 U		11 U		10 U
Nitrobenzene	ug/L		10 U	11 U		11 U		10 U
Isophorone	ug/L		10 U	11 U		11 U		10 U
2-Nitrophenol	ug/L		10 U	11 U		11 U		10 U
2,4-Dimethylphenol	ug/L		10 U	11 U		11 U		10 U
Benzoic acid	ug/L			54 U		55 U		
bis(2-Chloroethoxy) methane	ug/L		10 U	11 U		11 U		10 U
2,4-Dichlorophenol	ug/L		10 U	11 U		11 U		10 U
1,2,4-Trichlorobenzene	ug/L		10 U	11 U		11 U		10 U
Naphthalene	ug/L		10 U	11 U		11 U		10 U
4-Chloroaniline	ug/L		10 U	11 U		11 U		10 U
Hexachlorobutadiene	ug/L		10 U	11 U		11 U		10 U
4-Chloro-3-methylphenol	ug/L		10 U	11 U		11 U		10 U
2-Methylnaphthalene	ug/L		10 U	11 U		11 U		10 U
Hexachlorocyclopentadiene	ug/L		10 U	11 U		11 U		10 U
2,4,6-Trichlorophenol	ug/L		10 U	11 U		11 U		10 U
2,4,5-Trichlorophenol	ug/L		25 U	54 U		55 U		25 U
2-Chloronaphthalene	ug/L		10 U	11 U		11 U		10 U
2-Nitroaniline	ug/L		25 U	54 U		55 U		25 U
Dimethylphthalate	ug/L		10 U	11 U		11 U		10 U
Acenaphthylene	ug/L		10 U	11 U		11 U		10 U
2,6-Dinitrotoluene	ug/L		10 U	11 U		11 U		10 U
3-Nitroaniline	ug/L		25 U	54 U		55 U		25 U
Acenaphthene	ug/L		10 U	11 U		11 U		10 U
2,4-Dinitrophenol	ug/L		25 U	54 U		55 U		25 U
4-Nitrophenol	ug/L		25 U	54 U		55 U		25 U
Dibenzofuran	ug/L		10 U	11 U		11 U		10 U
2,4-Dinitrotoluene	ug/L		10 U	11 U		11 U		10 U
Diethylphthalate	ug/L		10 U	11 U		11 U		10 U
4-Chlorophenyl-phenylether	ug/L		10 U	11 U		11 U		10 U
Fluorene	ug/L		10 U	11 U		11 U		10 U
4-Nitroaniline	ug/L		25 U	54 U		55 U		25 U
4,6-Dinitro-2-methylphenol	ug/L		25 U	54 U		55 U		25 U
N-Nitrosodiphenylamine	ug/L		10 U	11 U		11 U		10 U
4-Bromophenyl-phenylether	ug/L		10 U	11 U		11 U		10 U
Hexachlorobenzene	ug/L		10 U	11 U		11 U		10 U
Pentachlorophenol	ug/L		25 U	54 U		55 U		25 U
Phenanthrene	ug/L		10 U	11 U		11 U		10 U
Anthracene	ug/L		10 U	11 U		11 U		10 U
Carbazole	ug/L		10 U					10 U
Di-n-butylphthalate	ug/L		10 U	11 U		11 U		10 U
Fluoranthene	ug/L		10 U	11 U		11 U		10 U
Pyrene	ug/L		10 U	11 U		11 U		10 U
Butylbenzylphthalate	ug/L		10 U	11 U		11 U		10 U
3,3'-Dichlorobenzidine	ug/L		10 U	22 U		22 U		10 U
Benzo(a)anthracene	ug/L		10 U	11 U		11 U		10 U
Chrysene	ug/L		10 U	11 U		11 U		10 U
bis(2-Ethylhexyl)phthalate	ug/L		10 U	11 U		11 U		19 U
Di-n-octylphthalate	ug/L		10 U	11 U		11 U		10 U
Benzo(b)fluoranthene	ug/L		10 U	11 U		11 U		10 U
Benzo(k)fluoranthene	ug/L		10 U	11 U		11 U		10 U
Benzo(a)pyrene	ug/L		10 U	11 U		11 U		10 U
Indeno(1,2,3-cd)pyrene	ug/L		10 U	11 U		11 U		10 U
Dibenz(a,h)anthracene	ug/L		10 U	11 U		11 U		10 U
Benzo(g,h,i)perylene	ug/L		10 U	11 U		11 U		10 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX LOCATION DATE ES ID LAB ID UNITS	PHASE I WATER MW-7 01/10/92 MW-7 Filtered 152219	PHASE II WATER OB 03/01/93 MW-7 179430	PHASE I WATER MW-8 01/15/92 MW-8 152578	PHASE I WATER MW-8 01/15/92 MW-8 Filtered 152596	PHASE I WATER MW-8A 01/15/92 MW-8A 152579	PHASE I WATER MW-8 01/15/92 MW-8A Filtered 152597	PHASE II WATER OB 03/01/93 MW-8 179432
Pesticides/PCBs								
alpha-BHC	ug/L		0.054 U	0.056 U		0.058 U		0.051 U
beta-BHC	ug/L		0.054 U	0.056 U		0.058 U		0.051 U
delta-BHC	ug/L		0.054 U	0.056 U		0.058 U		0.051 U
gamma-BHC (Lindane)	ug/L		0.054 U	0.056 U		0.058 U		0.051 U
Heptachlor	ug/L		0.054 U	0.056 U		0.058 U		0.051 U
Aldrin	ug/L		0.054 U	0.056 U		0.058 U		0.051 U
Heptachlor epoxide	ug/L		0.054 U	0.056 U		0.058 U		0.051 U
Endosulfan I	ug/L		0.054 U	0.056 U		0.058 U		0.051 U
Dieldrin	ug/L		0.11 U	0.11 U		0.12 U		0.1 U
4,4'-DDE	ug/L		0.11 U	0.11 U		0.12 U		0.1 U
Endrin	ug/L		0.11 U	0.11 U		0.12 U		0.1 U
Endosulfan II	ug/L		0.11 U	0.11 U		0.12 U		0.1 U
4,4'-DDD	ug/L		0.11 U	0.11 U		0.12 U		0.1 U
Endosulfan sulfate	ug/L		0.11 U	0.11 U		0.12 U		0.1 U
4,4'-DDT	ug/L		0.11 U	0.11 U		0.12 U		0.1 U
Methoxychlor	ug/L		0.54 U	0.56 U		0.58 U		0.51 U
Endrin ketone	ug/L		0.11 U	0.11 U		0.12 U		0.1 U
Endrin aldehyde	ug/L		0.11 U					0.1 U
alpha-Chlordane	ug/L		0.054 U	0.56 U		0.58 U		0.051 U
gamma-Chlordane	ug/L		0.054 U	0.56 U		0.58 U		0.051 U
Toxaphene	ug/L		5.4 U	1.1 U		1.2 U		5.1 U
Aroclor-1016	ug/L		1.1 U	0.56 U		0.58 U		1 U
Aroclor-1221	ug/L		2.2 U	0.56 U		0.58 U		2 U
Aroclor-1232	ug/L		1.1 U	0.56 U		0.58 U		1 U
Aroclor-1242	ug/L		1.1 U	0.56 U		0.58 U		1 U
Aroclor-1248	ug/L		1.1 U	0.56 U		0.58 U		1 U
Aroclor-1254	ug/L		1.1 U	1.1 U		1.2 U		1 U
Aroclor-1260	ug/L		1.1 U	1.1 U		1.2 U		1 U
Explosives								
HMX	ug/L		0.12 U	1 U		1 U		0.12 U
RDX	ug/L		0.12 U	0.12 U		0.12 U		0.12 U
1,3,5-Trinitrobenzene	ug/L		0.12 U	0.12 U		0.12 U		0.12 U
1,3-Dinitrobenzene	ug/L		0.12 U	0.12 U		0.12 U		0.12 U
Tetryl	ug/L		0.12 U	0.4 U		0.4 U		0.12 U
2,4,6-Trinitrotoluene	ug/L		0.12 U	0.12 U		0.12 U		0.12 U
4-amino-2,6-Dinitrotoluene	ug/L		0.12 U	0.12 U		0.12 U		0.12 U
2-amino-4,6-Dinitrotoluene	ug/L		0.12 U	0.12 U		0.12 U		0.12 U
2,6-Dinitrotoluene	ug/L		0.12 U	0.12 U		0.12 U		0.12 U
2,4-Dinitrotoluene	ug/L		0.12 U	0.12 U		0.12 U		0.12 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX	PHASE I WATER	PHASE II WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE II WATER
	LOCATION	MW-7	OB	MW-8	MW-8	MW-8A	MW-8	OB
	DATE	01/10/92	03/01/93	01/15/92	01/15/92	01/15/92	01/15/92	03/01/93
	ES ID	MW-7 Filtered	MW-7	MW-8	MW-8 Filtered	MW-8A	MW-8A Filtered	MW-8
	LAB ID	152219	179430	152578	152596	152579	152597	179432
	UNITS							
Metals								
Aluminum	ug/l	24.4 U	1130	52800 J	97.9 U	82500 J	97.6 U	564
Antimony	ug/l	53 U	53.8 U	52.9 U	53.2 U	53 U	53 U	53.8 U
Arsenic	ug/l	3.5 U	1.7 U	11.3	3.5 U	15.8	3.5 U	1.7 U
Barium	ug/l	43.8 R	58.3 J	827 J	14.8 J	1410 J	16.1 J	20.3 J
Beryllium	ug/l	1.1 U R	0.3 U	2.8 R	1.2 U	3.7 R	1.2 U	0.3 U
Cadmium	ug/l	3 U	3.1 U	10.7 R	3 U	15.5 R	3 U	3.1 U
Calcium	ug/l	84900	74500	454000 J	355000	510000 J	331000	295000
Chromium	ug/l	6.3 R	2.9 R	81 J	6.2 U	133 J	6.2 U	2 U
Cobalt	ug/l	20.4 U	5 U	65	19.9 U	83.1	19.9 U	5 U
Copper	ug/l	10.1 U	1.9 U	53.1 J	14.4 U	87.7 J	14.4 U	1.9 U
Iron	ug/l	6.9 U R	1970	83100 J	17 U	137000 J	17 U	688
Lead	ug/l	1.2 U	2.3 J	86.3 J	1.2 U	147 J	1.2 U	0.89 U
Magnesium	ug/l	17600	17500	98200 J	74100	110000 J	66900	67700
Manganese	ug/l	4.8 U	52.9	1780 J	10.3 J	2330 J	10.8 J	17.7
Mercury	ug/l	0.16 R	0.06 U	0.19 R	0.03 U	0.22 R	0.03 U	0.06 U
Nickel	ug/l	14.7 U	3.5 U	148 J	15.9 U	232 J	15.9 U	7 J
Potassium	ug/l	287 U	455 J	12000	2850 J	14600	2500 J	1310 J
Selenium	ug/l	1 J	1.1 U	5 U	1 U	5 U	1 U	1.1 U
Silver	ug/l	3.4 U	3.2 U	6.5 R	9.1 U	5.9 R	9 U	3.2 U
Sodium	ug/l	5490	3650 J	18200	18900	17900	17700	17900
Thallium	ug/l	3.2 U	2.6 U	3.2 U	3.2 U	3.2 U	3.2 U	2.6 U
Vanadium	ug/l	9.4 U	2.5 R	75.8	30.5 U	115	30.4 U	2.2 R
Zinc	ug/l	8.4 U	10.9 R	179 J	13.4 U	302 J	13.4 U	7.4 R
Cyanide	ug/l		10 U	10 U		10 U		10 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

	MATRIX	PHASE I	PHASE I	PHASE I	PHASE I	PHASE II	PHASE I	PHASE II
	LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	DATE	MW-9	MW-9	MW-10	MW-10	OB	MW-11	OB
	ES ID	01/09/92	01/09/92	01/10/92	01/10/92	03/03/93	01/15/92	03/10/93
	LAB ID	MW-9	MW-9 Filtered	MW-10	MW-10 Filtered	MW-10	MW-11	MW-11
COMPOUND	UNITS	152139	152169	152212	152220	179542	152580	179858
Vdatile Organic Compounds								
Chloromethane	ug/L	10 U		10 U		0.5 U	10 U	0.5 U
Bromomethane	ug/L	10 U		10 U		0.5 U	10 U	0.5 U
Vinyl Chloride	ug/L	10 U		10 U		0.5 U	10 U	0.5 U
Chloroethane	ug/L	10 U		10 U		0.5 U	10 U	0.5 U
Methylene Chloride	ug/L	5 U		5 U		0.5 U	5 U	0.5 U
Acetone	ug/L	10 U		10 U		5 U	10 U	5 U
Carbon Disulfide	ug/L	5 U		5 U		0.5 U	5 U	0.5 U
1,1-Dichloroethene	ug/L	5 U		5 U		0.5 U	5 U	0.5 U
1,1-Dichloroethane	ug/L	5 U		5 U		0.5 U	5 U	0.5 U
trans-1,2-Dichloroethene	ug/L					0.5 U		0.5 U
cis-1,2-Dichloroethene	ug/L					0.5 U		0.5 U
1,2-Dichloroethene (total)	ug/L	5 U		5 U			5 U	
Chloroform	ug/L	5 U		5 U		0.5 U	5 U	0.5 U
1,2-Dichloroethane	ug/L	5 U		5 U		0.5 U	5 U	0.5 U
2-Butanone	ug/L	10 U		10 U		5 U	10 U	5 U
1,1,1-Trichloroethane	ug/L	5 U		5 U		0.5 U	5 U	0.5 U
Carbon Tetrachloride	ug/L	5 U		5 U		0.5 U	5 U	0.5 U
Vinyl Acetate	ug/L	10 U		10 U			10 U	
Bromodichloromethane	ug/L	5 U		5 U		0.5 U	5 U	0.5 U
1,2-Dichloropropane	ug/L	5 U		5 U		0.5 U	5 U	0.5 U
cis-1,3-Dichloropropene	ug/L	5 U		5 U		0.5 U	5 U	0.5 U
Trichloroethene	ug/L	5 U		5 U		0.5 U	5 U	0.5 U
Dibromochloromethane	ug/L	5 U		5 U		0.5 U	5 U	0.5 U
1,1,2-Trichloroethane	ug/L	5 U		5 U		0.5 U	5 U	0.5 U
Benzene	ug/L	5 U		5 U		0.5 U	5 U	0.5 U
trans-1,3-Dichloropropene	ug/L	5 U		5 U		0.5 U	5 U	0.5 U
Bromoform	ug/L	5 U		5 U		0.5 U	5 U	0.5 U
4-Methyl-2-Pentanone	ug/L	10 U		10 U		5 U	10 U	5 U
2-Hexanone	ug/L	10 U		10 U		5 U	10 U	5 U
Tetrachloroethene	ug/L	5 U		5 U		0.5 U	5 U	0.5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U		5 U		0.5 U	5 U	0.5 U
Toluene	ug/L	5 U		5 U		0.5 U	5 U	0.5 U
Chlorobenzene	ug/L	5 U		5 U		0.5 U	5 U	0.5 U
Ethylbenzene	ug/L	5 U		5 U		0.5 U	5 U	0.5 U
Styrene	ug/L	5 U		5 U		0.5 U	5 U	0.5 U
Xylene (total)	ug/L	5 U		5 U		0.5 U	5 U	0.5 U
Dichlorodifluoromethane	ug/L					0.5 U		0.5 U
Trichlorofluoromethane	ug/L					0.5 U		0.5 U
2,2-Dichloropropane	ug/L					0.5 U		0.5 U
Bromochloromethane	ug/L					0.5 U		0.5 U
1,1-Dichloropropene	ug/L					0.5 U		0.5 U
Dibromomethane	ug/L					0.5 U		0.5 U
1,3-Dichloropropane	ug/L					0.5 U		0.5 U
1,2-Dibromoethane	ug/L					0.5 U		0.5 U
1,1,1,2-Tetrachloroethane	ug/L					0.5 U		0.5 U
Isopropylbenzene	ug/L					0.5 U		0.5 U
Bromobenzene	ug/L					0.5 U		0.5 U
1,2,3-Trichloropropane	ug/L					0.5 U		0.5 U
n-Propylbenzene	ug/L					0.5 U		0.5 U
2-Chlorotoluene	ug/L					0.5 U		0.5 U
4-Chlorotoluene	ug/L					0.5 U		0.5 U
1,3,5-Trimethylbenzene	ug/L					0.5 U		0.5 U
tert-Butylbenzene	ug/L					0.5 U		0.5 U
1,2,4-Trimethylbenzene	ug/L					0.5 U		0.5 U
sec-Butylbenzene	ug/L					0.5 U		0.5 U
1,3-Dichlorobenzene	ug/L					0.5 U		0.5 U
1,4-Dichlorobenzene	ug/L					0.5 U		0.5 U
p-Isopropyltoluene	ug/L					0.5 U		0.5 U
1,2-Dichlorobenzene	ug/L					0.5 U		0.5 U
n-Butylbenzene	ug/L					0.5 U		0.5 U
1,2-Dibromo-3-Chloropropane	ug/L					0.5 U		0.5 U
1,2,4-Trichlorobenzene	ug/L					0.5 U		0.5 U
Hexachlorobutadiene	ug/L					0.5 U		0.5 U
Naphthalene	ug/L					0.5 U		0.5 U
1,2,3-Trichlorobenzene	ug/L					0.5 U		0.5 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX	PHASE I	PHASE I	PHASE I	PHASE I	PHASE II	PHASE I	PHASE II
	LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	DATE	MW-9	MW-9	MW-10	MW-10	OB	MW-11	OB
	ES ID	01/09/92	01/09/92	01/10/92	01/10/92	03/03/93	01/15/92	03/10/93
	LAB ID	MW-9	MW-9 Filtered	MW-10	MW-10 Filtered	MW-10	MW-11	MW-11
	UNITS	152139	152169	152212	152220	179542	152580	179858
Semivolatiles								
Phenol	ug/L	10 U		11 U		10 U	11 U	10 U
bis(2-Chloroethyl) ether	ug/L	10 U		11 U		10 U	11 U	10 U
2-Chlorophenol	ug/L	10 U		11 U		10 U	11 U	10 U
1,3-Dichlorobenzene	ug/L	10 U		11 U		10 U	11 U	10 U
1,4-Dichlorobenzene	ug/L	10 U		11 U		10 U	11 U	10 U
Benzyl Alcohol	ug/L	10 U		11 U			11 U	
1,2-Dichlorobenzene	ug/L	10 U		11 U		10 U	11 U	10 U
2-Methylphenol	ug/L	10 U		11 U		10 U	11 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U		11 U		10 U	11 U	10 U
4-Methylphenol	ug/L	10 U		11 U		10 U	11 U	10 U
N-Nitroso-di-n-propylamine	ug/L	10 U		11 U		10 U	11 U	10 U
Hexachloroethane	ug/L	10 U		11 U		10 U	11 U	10 U
Nitrobenzene	ug/L	10 U		11 U		10 U	11 U	10 U
Isophorone	ug/L	10 U		11 U		10 U	11 U	10 U
2-Nitrophenol	ug/L	10 U		11 U		10 U	11 U	10 U
2,4-Dimethylphenol	ug/L	10 U		11 U		10 U	11 U	10 U
Benzoic acid	ug/L	52 U		55 U			55 U	
bis(2-Chloroethoxy) methane	ug/L	10 U		11 U		10 U	11 U	10 U
2,4-Dichlorophenol	ug/L	10 U		11 U		10 U	11 U	10 U
1,2,4-Trichlorobenzene	ug/L	10 U		11 U		10 U	11 U	10 U
Naphthalene	ug/L	10 U		11 U		10 U	11 U	10 U
4-Chloroaniline	ug/L	10 U		11 U		10 U	11 U	10 U
Hexachlorobutadiene	ug/L	10 U		11 U		10 U	11 U	10 U
4-Chloro-3-methylphenol	ug/L	10 U		11 U		10 U	11 U	10 U
2-Methylnaphthalene	ug/L	10 U		11 U		10 U	11 U	10 U
Hexachlorocyclopentadiene	ug/L	10 U		11 U		10 U	11 U	10 U
2,4,6-Trichlorophenol	ug/L	10 U		11 U		10 U	11 U	10 U
2,4,5-Trichlorophenol	ug/L	52 U		55 U		25 U	55 U	25 U
2-Chloronaphthalene	ug/L	10 U		11 U		10 U	11 U	10 U
2-Nitroaniline	ug/L	52 U		55 U		25 U	55 U	25 U
Dimethylphthalate	ug/L	10 U		11 U		10 U	11 U	10 U
Acenaphthylene	ug/L	10 U		11 U		10 U	11 U	10 U
2,6-Dinitrotoluene	ug/L	10 U		11 U		10 U	11 U	10 U
3-Nitroaniline	ug/L	52 U		55 U		25 U	55 U	25 U
Acenaphthene	ug/L	10 U		11 U		10 U	11 U	10 U
2,4-Dinitrophenol	ug/L	52 U		55 U		25 U	55 U	25 U
4-Nitrophenol	ug/L	52 U		55 U		25 U	55 U	25 U
Dibenzofuran	ug/L	10 U		11 U		10 U	11 U	10 U
2,4-Dinitrotoluene	ug/L	10 U		11 U		10 U	11 U	10 U
Diethylphthalate	ug/L	10 U		11 U		10 U	11 U	10 U
4-Chlorophenyl-phenylether	ug/L	10 U		11 U		10 U	11 U	10 U
Fluorene	ug/L	10 U		11 U		10 U	11 U	10 U
4-Nitroaniline	ug/L	52 U		55 U		25 U	55 U	25 U
4,6-Dinitro-2-methylphenol	ug/L	52 U		55 U		25 U	55 U	25 U
N-Nitrosodiphenylamine	ug/L	10 U		11 U		10 U	11 U	10 U
4-Bromophenyl-phenylether	ug/L	10 U		11 U		10 U	11 U	10 U
Hexachlorobenzene	ug/L	10 U		11 U		10 U	11 U	10 U
Pentachlorophenol	ug/L	52 U		55 U		25 U	55 U	25 U
Phenanthrene	ug/L	10 U		11 U		10 U	11 U	10 U
Anthracene	ug/L	10 U		11 U		10 U	11 U	10 U
Carbazole	ug/L					10 U		10 U
Di-n-butylphthalate	ug/L	10 U		11 U		10 U	11 U	10 U
Fluoranthene	ug/L	10 U		11 U		10 U	11 U	10 U
Pyrene	ug/L	10 U		11 U		10 U	11 U	10 U
Butylbenzylphthalate	ug/L	10 U		11 U		10 U	11 U	10 U
3,3'-Dichlorobenzidine	ug/L	21 U		22 U		10 U	22 U	10 U
Benzo(a)anthracene	ug/L	10 U		11 U		10 U	11 U	10 U
Chrysene	ug/L	10 U		11 U		10 U	11 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U		11 U		10 U	11 U	13 U
Di-n-octylphthalate	ug/L	10 U		11 U		10 U	11 U	10 U
Benzo(b)fluoranthene	ug/L	10 U		11 U		10 U	11 U	10 U
Benzo(k)fluoranthene	ug/L	10 U		11 U		10 U	11 U	10 U
Benzo(a)pyrene	ug/L	10 U		11 U		10 U	11 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U		11 U		10 U	11 U	10 U
Dibenz(a,h)anthracene	ug/L	10 U		11 U		10 U	11 U	10 U
Benzo(g,h,i)perylene	ug/L	10 U		11 U		10 U	11 U	10 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX	PHASE I	PHASE I	PHASE I	PHASE I	PHASE II	PHASE I	PHASE II
	LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	DATE	MW-9	MW-9	MW-10	MW-10	OB	MW-11	OB
	ES ID	01/09/92	01/09/92	01/10/92	01/10/92	03/03/93	01/15/92	03/10/93
	LAB ID	MW-9	MW-9 Filtered	MW-10	MW-10 Filtered	MW-10	MW-11	MW-11
	UNITS	152139	152169	152212	152220	179542	152580	179858
Pesticides/PCBs								
alpha-BHC	ug/L	0.054 U		0.062 U		0.05 U	0.05 U	0.052 U
beta-BHC	ug/L	0.054 U		0.062 U		0.05 U	0.05 U	0.052 U
delta-BHC	ug/L	0.054 U		0.062 U		0.05 U	0.05 U	0.052 U
gamma-BHC (Lindane)	ug/L	0.054 U		0.062 U		0.05 U	0.05 U	0.052 U
Heptachlor	ug/L	0.054 U		0.062 U		0.05 U	0.05 U	0.052 U
Aldrin	ug/L	0.054 U		0.062 U		0.05 U	0.05 U	0.052 U
Heptachlor epoxide	ug/L	0.054 U		0.062 U		0.05 U	0.05 U	0.052 U
Endosulfan I	ug/L	0.054 U		0.062 U		0.05 U	0.05 U	0.052 U
Dieldrin	ug/L	0.11 U		0.12 U		0.1 U	0.1 U	0.1 U
4,4'-DDE	ug/L	0.11 U		0.12 U		0.1 U	0.1 U	0.1 U
Endrin	ug/L	0.11 U		0.12 U		0.1 U	0.1 U	0.1 U
Endosulfan II	ug/L	0.11 U		0.12 U		0.1 U	0.1 U	0.1 U
4,4'-DDD	ug/L	0.11 U		0.12 U		0.1 U	0.1 U	0.1 U
Endosulfan sulfate	ug/L	0.11 U		0.12 U		0.1 U	0.1 U	0.1 U
4,4'-DDT	ug/L	0.11 U		0.12 U		0.1 U	0.1 U	0.1 U
Methoxychlor	ug/L	0.54 U		0.62 U		0.5 U	0.5 U	0.52 U
Endrin ketone	ug/L	0.11 U		0.12 U		0.1 U	0.1 U	0.1 U
Endrin aldehyde	ug/L					0.1 U		0.1 U
alpha-Chlordane	ug/L	0.54 U		0.62 U		0.05 U	0.5 U	0.052 U
gamma-Chlordane	ug/L	0.54 U		0.62 U		0.05 U	0.5 U	0.052 U
Toxaphene	ug/L	1.1 U		1.2 U		5 U	1 U	5.2 U
Aroclor-1016	ug/L	0.54 U		0.62 U		1 U	0.5 U	1 U
Aroclor-1221	ug/L	0.54 U		0.62 U		2 U	0.5 U	2.1 U
Aroclor-1232	ug/L	0.54 U		0.62 U		1 U	0.5 U	1 U
Aroclor-1242	ug/L	0.54 U		0.62 U		1 U	0.5 U	1 U
Aroclor-1248	ug/L	0.54 U		0.62 U		1 U	0.5 U	1 U
Aroclor-1254	ug/L	1.1 U		1.2 U		1 U	1 U	1 U
Aroclor-1260	ug/L	1.1 U		1.2 U		1 U	1 U	1 U
Explosives								
HMX	ug/L	1 U		1 U		0.12 U	1 U	0.12 U
RDX	ug/L	0.12 U		0.12 U		0.12 U	0.12 U	0.12 U
1,3,5-Trinitrobenzene	ug/L	0.12 U		0.12 U		0.12 U	0.12 U	0.12 U
1,3-Dinitrobenzene	ug/L	0.12 U		0.12 U		0.12 U	0.12 U	0.12 U
Tetryl	ug/L	0.4 U		0.4 U		0.12 U	0.4 U	0.12 U
2,4,6-Trinitrotoluene	ug/L	0.12 U		0.12 U		0.12 U	0.12 U	0.12 U
4-amino-2,6-Dinitrotoluene	ug/L	0.12 U		0.12 U		0.12 U	0.12 U	0.12 U
2-amino-4,6-Dinitrotoluene	ug/L	0.12 U		0.12 U		0.12 U	0.12 U	0.12 U
2,6-Dinitrotoluene	ug/L	0.12 U		0.12 U		0.12 U	0.12 U	0.12 U
2,4-Dinitrotoluene	ug/L	0.12 U		0.12 U		0.12 U	0.12 U	0.12 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE II WATER	PHASE I WATER	PHASE II WATER
	LOCATION	MW-9	MW-9	MW-10	MW-10	OB	MW-11	OB
	DATE	01/09/92	01/09/92	01/10/92	01/10/92	03/03/93	01/15/92	03/10/93
	ES ID	MW-9	MW-9 Filtered	MW-10	MW-10 Filtered	MW-10	MW-11	MW-11
	LAB ID	152139	152169	152212	152220	179542	152580	179858
	UNITS							
Metals								
Aluminum	ug/l	5680 J	24.5 U	72200	24.5 U	7350	222 J	75.2 J
Antimony	ug/l	55.7 U	53.3 U	55.6 U	53.2 U	53.8 U	53.1 U	54 U
Arsenic	ug/l	3.5 U	3.5 U	3.5 U	3.5 U	1.7 U	3.5 U	1.7 U
Barium	ug/l	181 J	46.5 R	638	53.1 R	86.1 J	124 J	92.4 J
Beryllium	ug/l	1.9 R	1.1 U R	4.3 R	1.1 U R	0.3 U	1.1 U	0.3 U
Cadmium	ug/l	2.9 U	3 U	7.1	3 U	3.1 U	3 U	3.1 U
Calcium	ug/l	169000	168000	223000	172000	162000	198000	186000
Chromium	ug/l	9.4 R	6.2 U R	96.7	6.2 U R	9.6 J	6.2 U	2.1 J
Cobalt	ug/l	19.9 U	20.5 U	98.6	20.4 U	5.6 J	20.4 U	5 U
Copper	ug/l	14.4 U	10.2 U	80.3	10.2 U	7 J	10.1 U	4 R
Iron	ug/l	7640	7 U R	108000	7 U R	8830	486 J	151 R
Lead	ug/l	4.6	1.2 U	57.9	1.2 U	4.9	1.2 U	0.9 U
Magnesium	ug/l	40800	41000	38800	19300	20100	32400	30000
Manganese	ug/l	200 J	14.8 J	3970 J	15.7	160	23.8	73.1
Mercury	ug/l	0.19 R	0.17 R	0.27 R	0.16 R	0.07 R	0.16 R	0.06 U
Nickel	ug/l	16.7 J	14.8 U	139	14.7 U	12.9 J	14.7 U	4.5 J
Potassium	ug/l	2570 J	1690 J	11000	1330 J	2440 J	1470 J	935 J
Selenium	ug/l	1 U	2 J	10 U	1 U	1.1 U	1 U	1.1 U
Silver	ug/l	9.1 U	3.4 U	9 U	3.4 U	3.2 U	7.4 R	3.2 U
Sodium	ug/l	13000	14000	13700	13100	10000	33200	30700
Thallium	ug/l	3.2 U	3.2 U	3.2 U	3.2 U	2.6 U	3.2 U	2.6 U
Vanadium	ug/l	30.4 U	9.5 U	103	9.5 U	10.2 J	9.4 U	2.1 U
Zinc	ug/l	29.3 R	8.5 U	291	8.5 U	32.8	8.4 U	3.8 R
Cyanide	ug/l	10 U J		10 U J		10 U	10 U	14.5

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX	PHASE I WATER	PHASE I WATER	PHASE II WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER
	LOCATION	MW-12	MW-12	OB	MW-13	MW-13	MW-14	MW-14
	DATE	01/15/92	01/15/92	03/08/93	01/09/92	01/09/92	01/15/92	01/15/92
	ES ID	MW-12	MW-12 Filtered	MW-12	MW-13	MW-13 Filtered	MW-14	MW-14 Filtered
	LAB ID	152581	152598	179724	152140	152170	152582	152599
	UNITS							
Volatile Organic Compounds								
Chloromethane	ug/L	10 U		0.5 U	10 U		10 U	
Bromomethane	ug/L	10 U		0.5 U	10 U		10 U	
Vinyl Chloride	ug/L	10 U		0.5 U	10 U		10 U	
Chloroethane	ug/L	10 U		0.5 U	10 U		10 U	
Methylene Chloride	ug/L	5 U		0.5 U	5 U		5 U	
Acetone	ug/L	10 U		5 U	10 U		10 U	
Carbon Disulfide	ug/L	5 U		0.5 U	5 U		5 U	
1,1-Dichloroethene	ug/L	5 U		0.5 U	5 U		5 U	
1,1-Dichloroethane	ug/L	5 U		0.5 U	5 U		5 U	
trans-1,2-Dichloroethene	ug/L			0.5 U				
cis-1,2-Dichloroethene	ug/L			0.5 U				
1,2-Dichloroethene (total)	ug/L	5 U			5 U		5 U	
Chloroform	ug/L	5 U		0.5 U	5 U		5 U	
1,2-Dichloroethane	ug/L	5 U		0.5 U	5 U		5 U	
2-Butanone	ug/L	10 U		5 U	10 U		10 U	
1,1,1-Trichloroethane	ug/L	5 U		0.5 U	5 U		5 U	
Carbon Tetrachloride	ug/L	5 U		0.5 U	5 U		5 U	
Vinyl Acetate	ug/L	10 U			10 U		10 U	
Bromodichloromethane	ug/L	5 U		0.5 U	5 U		5 U	
1,2-Dichloropropane	ug/L	5 U		0.5 U	5 U		5 U	
cis-1,3-Dichloropropene	ug/L	5 U		0.5 U	5 U		5 U	
Trichloroethene	ug/L	5 U		0.5 U	5 U		5 U	
Dibromochloromethane	ug/L	5 U		0.5 U	5 U		5 U	
1,1,2-Trichloroethane	ug/L	5 U		0.5 U	5 U		5 U	
Benzene	ug/L	5 U		0.5 U	5 U		5 U	
trans-1,3-Dichloropropene	ug/L	5 U		0.5 U	5 U		5 U	
Bromoform	ug/L	5 U		0.5 U	5 U		5 U	
4-Methyl-2-Pentanone	ug/L	10 U		5 U	10 U		10 U	
2-Hexanone	ug/L	10 U		5 U	10 U		10 U	
Tetrachloroethene	ug/L	5 U		0.5 U	5 U		5 U	
1,1,2,2-Tetrachloroethane	ug/L	5 U		0.5 U	5 U		5 U	
Toluene	ug/L	5 U		0.5 U	5 U		5 U	
Chlorobenzene	ug/L	5 U		0.5 U	5 U		5 U	
Ethylbenzene	ug/L	5 U		0.5 U	5 U		5 U	
Styrene	ug/L	5 U		0.5 U	5 U		5 U	
Xylene (total)	ug/L	5 U		0.5 U	5 U		5 U	
Dichlorodifluoromethane	ug/L			0.5 U				
Trichlorofluoromethane	ug/L			0.5 U				
2,2-Dichloropropane	ug/L			0.5 U				
Bromochloromethane	ug/L			0.5 U				
1,1-Dichloropropene	ug/L			0.5 U				
Dibromomethane	ug/L			0.5 U				
1,3-Dichloropropane	ug/L			0.5 U				
1,2-Dibromoethane	ug/L			0.5 U				
1,1,1,2-Tetrachloroethane	ug/L			0.5 U				
Isopropylbenzene	ug/L			0.5 U				
Bromobenzene	ug/L			0.5 U				
1,2,3-Trichloropropane	ug/L			0.5 U				
n-Propylbenzene	ug/L			0.5 U				
2-Chlorotoluene	ug/L			0.5 U				
4-Chlorotoluene	ug/L			0.5 U				
1,3,5-Trimethylbenzene	ug/L			0.5 U				
tert-Butylbenzene	ug/L			0.5 U				
1,2,4-Trimethylbenzene	ug/L			0.5 U				
sec-Butylbenzene	ug/L			0.5 U				
1,3-Dichlorobenzene	ug/L			0.5 U				
1,4-Dichlorobenzene	ug/L			0.5 U				
p-Isopropyltoluene	ug/L			0.5 U				
1,2-Dichlorobenzene	ug/L			0.5 U				
n-Butylbenzene	ug/L			0.5 U				
1,2-Dibromo-3-Chloropropane	ug/L			0.5 U				
1,2,4-Trichlorobenzene	ug/L			0.5 U				
Hexachlorobutadiene	ug/L			0.5 U				
Naphthalene	ug/L			0.5 U				
1,2,3-Trichlorobenzene	ug/L			0.5 U				

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX	PHASE I	PHASE I	PHASE II	PHASE I	PHASE I	PHASE I	PHASE I
	LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	DATE	MW-12	MW-12	OB	MW-13	MW-13	MW-14	MW-14
	ES ID	01/15/92	01/15/92	03/08/93	01/09/92	01/09/92	01/15/92	01/15/92
	LAB ID	MW-12	MW-12 Filtered	MW-12	MW-13	MW-13 Filtered	MW-14	MW-14 Filtered
	UNITS	152581	152598	179724	152140	152170	152582	152599
Semivolatiles								
Phenol	ug/L	11 U		10 U	10 U		10 U	
bis(2-Chloroethyl) ether	ug/L	11 U		10 U	10 U		10 U	
2-Chlorophenol	ug/L	11 U		10 U	10 U		10 U	
1,3-Dichlorobenzene	ug/L	11 U		10 U	10 U		10 U	
1,4-Dichlorobenzene	ug/L	11 U		10 U	10 U		10 U	
Benzyl Alcohol	ug/L	11 U			10 U		10 U	
1,2-Dichlorobenzene	ug/L	11 U		10 U	10 U		10 U	
2-Methylphenol	ug/L	11 U		10 U	10 U		10 U	
2,2'-oxybis(1-Chloropropane)	ug/L	11 U		10 U	10 U		10 U	
4-Methylphenol	ug/L	11 U		10 U	10 U		10 U	
N-Nitroso-di-n-propylamine	ug/L	11 U		10 U	10 U		10 U	
Hexachloroethane	ug/L	11 U		10 U	10 U		10 U	
Nitrobenzene	ug/L	11 U		10 U	10 U		10 U	
Isophorone	ug/L	11 U		10 U	10 U		10 U	
2-Nitrophenol	ug/L	11 U		10 U	10 U		10 U	
2,4-Dimethylphenol	ug/L	11 U		10 U	10 U		10 U	
Benzoic acid	ug/L	56 U			51 U		51 U	
bis(2-Chloroethoxy) methane	ug/L	11 U		10 U	10 U		10 U	
2,4-Dichlorophenol	ug/L	11 U		10 U	10 U		10 U	
1,2,4-Trichlorobenzene	ug/L	11 U		10 U	10 U		10 U	
Naphthalene	ug/L	11 U		10 U	10 U		10 U	
4-Chloroaniline	ug/L	11 U		10 U	10 U		10 U	
Hexachlorobutadiene	ug/L	11 U		10 U	10 U		10 U	
4-Chloro-3-methylphenol	ug/L	11 U		10 U	10 U		10 U	
2-Methylnaphthalene	ug/L	11 U		10 U	10 U		10 U	
Hexachlorocyclopentadiene	ug/L	11 U		10 U	10 U		10 U	
2,4,6-Trichlorophenol	ug/L	11 U		10 U	10 U		10 U	
2,4,5-Trichlorophenol	ug/L	56 U		25 U	51 U		51 U	
2-Chloronaphthalene	ug/L	11 U		10 U	10 U		10 U	
2-Nitroaniline	ug/L	56 U		25 U	51 U		51 U	
Dimethylphthalate	ug/L	11 U		10 U	10 U		10 U	
Acenaphthylene	ug/L	11 U		10 U	10 U		10 U	
2,6-Dinitrotoluene	ug/L	11 U		10 U	10 U		10 U	
3-Nitroaniline	ug/L	56 U		25 U	51 U		51 U	
Acenaphthene	ug/L	11 U		10 U	10 U		10 U	
2,4-Dinitrophenol	ug/L	56 U		25 U	51 U		51 U	
4-Nitrophenol	ug/L	56 U		25 U	51 U		51 U	
Dibenzofuran	ug/L	11 U		10 U	10 U		10 U	
2,4-Dinitrotoluene	ug/L	11 U		10 U	10 U		10 U	
Diethylphthalate	ug/L	11 U		10 U	10 U		10 U	
4-Chlorophenyl-phenylether	ug/L	11 U		10 U	10 U		10 U	
Fluorene	ug/L	11 U		10 U	10 U		10 U	
4-Nitroaniline	ug/L	56 U		25 U	51 U		51 U	
4,6-Dinitro-2-methylphenol	ug/L	56 U		25 U	51 U		51 U	
N-Nitrosodiphenylamine	ug/L	11 U		10 U	10 U		10 U	
4-Bromophenyl-phenylether	ug/L	11 U		10 U	10 U		10 U	
Hexachlorobenzene	ug/L	11 U		10 U	10 U		10 U	
Pentachlorophenol	ug/L	56 U		25 U	51 U		51 U	
Phenanthrene	ug/L	11 U		10 U	10 U		10 U	
Anthracene	ug/L	11 U		10 U	10 U		10 U	
Carbazole	ug/L			10 U				
Di-n-butylphthalate	ug/L	11 U		10 U	10 U		10 U	
Fluoranthene	ug/L	11 U		10 U	10 U		10 U	
Pyrene	ug/L	11 U		10 U	10 U		10 U	
Butylbenzylphthalate	ug/L	11 U		10 U	10 U		10 U	
3,3'-Dichlorobenzidine	ug/L	23 U		10 U	20 U		21 U	
Benzo(a)anthracene	ug/L	11 U		10 U	10 U		10 U	
Chrysene	ug/L	11 U		10 U	10 U		10 U	
bis(2-Ethylhexyl)phthalate	ug/L	11 U		10 U	10 U		10 U	
Di-n-octylphthalate	ug/L	11 U		10 U	10 U		10 U	
Benzo(b)fluoranthene	ug/L	11 U		10 U	10 U		10 U	
Benzo(k)fluoranthene	ug/L	11 U		10 U	10 U		10 U	
Benzo(a)pyrene	ug/L	11 U		10 U	10 U		10 U	
Indeno(1,2,3-cd)pyrene	ug/L	11 U		10 U	10 U		10 U	
Dibenz(a,h)anthracene	ug/L	11 U		10 U	10 U		10 U	
Benzo(g,h,i)perylene	ug/L	11 U		10 U	10 U		10 U	

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX LOCATION DATE ES ID LAB ID UNITS	PHASE I WATER MW-12 01/15/92 MW-12 152581	PHASE I WATER MW-12 01/15/92 MW-12 Filtered 152598	PHASE II WATER OB 03/08/93 MW-12 179724	PHASE I WATER MW-13 01/09/92 MW-13 152140	PHASE I WATER MW-13 01/09/92 MW-13 Filtered 152170	PHASE I WATER MW-14 01/15/92 MW-14 152582	PHASE I WATER MW-14 01/15/92 MW-14 Filtered 152599
Pesticides/PCBs								
alpha-BHC	ug/L	0.058 U		0.05 U	0.058 U		0.056 U	
beta-BHC	ug/L	0.058 U		0.05 U	0.058 U		0.056 U	
delta-BHC	ug/L	0.058 U		0.05 U	0.058 U		0.056 U	
gamma-BHC (Lindane)	ug/L	0.058 U		0.05 U	0.058 U		0.056 U	
Heptachlor	ug/L	0.058 U		0.05 U	0.058 U		0.056 U	
Aldrin	ug/L	0.058 U		0.05 U	0.058 U		0.056 U	
Heptachlor epoxide	ug/L	0.058 U		0.05 U	0.058 U		0.056 U	
Endosulfan I	ug/L	0.058 U		0.05 U	0.058 U		0.056 U	
Dieldrin	ug/L	0.12 U		0.1 U	0.12 U		0.11 U	
4,4'-DDE	ug/L	0.12 U		0.1 U	0.12 U		0.11 U	
Endrin	ug/L	0.12 U		0.1 U	0.12 U		0.11 U	
Endosulfan II	ug/L	0.12 U		0.1 U	0.12 U		0.11 U	
4,4'-DDD	ug/L	0.12 U		0.1 U	0.12 U		0.11 U	
Endosulfan sulfate	ug/L	0.12 U		0.1 U	0.12 U		0.11 U	
4,4'-DDT	ug/L	0.12 U		0.1 U	0.12 U		0.11 U	
Methoxychlor	ug/L	0.58 U		0.5 U	0.58 U		0.56 U	
Endrin ketone	ug/L	0.12 U		0.1 U	0.12 U		0.11 U	
Endrin aldehyde	ug/L			0.1 U				
alpha-Chlordane	ug/L	0.58 U		0.05 U	0.58 U		0.56 U	
gamma-Chlordane	ug/L	0.58 U		0.05 U	0.58 U		0.56 U	
Toxaphene	ug/L	1.2 U		5 U	1.2 U		1.1 U	
Aroclor-1016	ug/L	0.58 U		1 U	0.58 U		0.56 U	
Aroclor-1221	ug/L	0.58 U		2 U	0.58 U		0.56 U	
Aroclor-1232	ug/L	0.58 U		1 U	0.58 U		0.56 U	
Aroclor-1242	ug/L	0.58 U		1 U	0.58 U		0.56 U	
Aroclor-1248	ug/L	0.58 U		1 U	0.58 U		0.56 U	
Aroclor-1254	ug/L	1.2 U		1 U	1.2 U		1.1 U	
Aroclor-1260	ug/L	1.2 U		1 U	1.2 U		1.1 U	
Explosives								
HMX	ug/L	1 U		0.12 U	1 U		1 U	
RDX	ug/L	0.12 U		0.12 U	0.6		0.12 U	
1,3,5-Trinitrobenzene	ug/L	0.12 U		0.12 U	0.12 U		0.12 U	
1,3-Dinitrobenzene	ug/L	0.12 U		0.12 U	0.12 U		0.12 U	
Tetryl	ug/L	0.4 U		0.12 U	0.4 U		0.4 U	
2,4,6-Trinitrotoluene	ug/L	0.12 U		0.12 U	0.12 U		0.12 U	
4-amino-2,6-Dinitrotoluene	ug/L	0.12 U		0.12 U	0.12 U		0.12 U	
2-amino-4,6-Dinitrotoluene	ug/L	0.12 U		0.12 U	0.12 U		0.12 U	
2,6-Dinitrotoluene	ug/L	0.12 U		0.12 U	0.12 U		0.12 U	
2,4-Dinitrotoluene	ug/L	0.12 U		0.12 U	0.12 U		0.12 U	

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX / LOCATION / DATE / ES ID / LAB ID / UNITS	PHASE I WATER MW-12 01/15/92 MW-12 152581	PHASE I WATER MW-12 01/15/92 MW-12 Filtered 152598	PHASE II WATER OB 03/08/93 MW-12 179724	PHASE I WATER MW-13 01/09/92 MW-13 152140	PHASE I WATER MW-13 01/09/92 MW-13 Filtered 152170	PHASE I WATER MW-14 01/15/92 MW-14 152582	PHASE I WATER MW-14 01/15/92 MW-14 Filtered 152599
Metals								
Aluminum	ug/l	37400	97.5 U	574	12200	24.4 U	29100 J	116 J
Antimony	ug/l	53 U	52.9 U	54 U	55.5 U	52.9 U	53.3 U	53.1 U
Arsenic	ug/l	3.5 J	3.5 U	1.7 U	3.5 U	3.5 U	6.2 J	3.5 U
Barium	ug/l	361	107 J	105 J	160 J	68.2 J	801	51 J
Beryllium	ug/l	2.1 R	1.2 U	0.3 U	2.2 R	1.1 U R	1.1 U	1.2 U
Cadmium	ug/l	6.3 R	3 U	3.1 U	2.9 U	3 U	5.6 R	3 U
Calcium	ug/l	97400	85600	95000	142000	140000	186000	167000
Chromium	ug/l	53.4	6.1 U	2 U	13.6 R	6.1 U R	43.8	6.2 U
Cobalt	ug/l	48.2 J	19.8 U	5 U	19.8 U	20.3 U	32.2 J	19.9 U
Copper	ug/l	64.8	16.5 J	2.1 R	25.4	10.1 U	57.9	14.4 U
Iron	ug/l	55200 J	17 U	827	13700	6.9 U R	46300 J	17 U
Lead	ug/l	46	1.2 U	0.97 J	32	1.2 U	60.1	1.2 U
Magnesium	ug/l	69100	51500	74400	27100	25000	43600 J	32700
Manganese	ug/l	1030	3.2 U	17.5	175 J	4.8 U	765	3.2 U
Mercury	ug/l	0.26 R	0.03 U	0.06 U	0.22 R	0.16 R	0.26 R	0.03 U
Nickel	ug/l	90.3	15.9 U	3.5 U	22.4 J	14.7 U	67.5	15.9 U
Potassium	ug/l	11300	6160	6670	3330 J	714 J	6170	697 J
Selenium	ug/l	1 U	2.8 J	1.1 U	1 U	1.5 J	4.4 J	1 U
Silver	ug/l	6.1 R	9 U	3.2 U	9 U	3.4 U	6 R	9 U
Sodium	ug/l	23800	23200	18100	16000	16700	36100	40400
Thallium	ug/l	3.2 U	3.2 U	2.6 U	3.2 U	3.2 U	3.2 U	3.2 U
Vanadium	ug/l	44.9 J	30.3 U	2.1 U	31.1 J	9.4 U	42.3 J	30.4 U
Zinc	ug/l	194	13.4 U	41.3	66.1	8.4 U	163	13.4 U
Cyanide	ug/l	10 U		10 U	10 U J		10 U	

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX LOCATION DATE ES ID LAB ID UNITS	PHASE I WATER MW-14A 01/15/92 MW-14A 152583	PHASE I WATER MW-14 01/15/92 MW-14A Filtered 152600	PHASE II WATER OB 03/10/93 MW-14 179873	PHASE I WATER MW-15 01/09/92 MW-15 152141	PHASE I WATER MW-15 01/09/92 MW-15 Filtered 152171	PHASE II WATER OB 03/02/93 MW-15 179507	PHASE I WATER MW-16 01/14/92 MW-16 152489
Volatile Organic Compounds								
Chloromethane	ug/L	10 U		0.5 U	10 U		0.5 U	10 U
Bromomethane	ug/L	10 U		0.5 U	10 U		0.5 U	10 U
Vinyl Chloride	ug/L	10 U		0.5 U	10 U		0.5 U	10 U
Chloroethane	ug/L	10 U		0.5 U	10 U		0.5 U	10 U
Methylene Chloride	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Acetone	ug/L	10 U		5 U	10 U		5 U	10 U
Carbon Disulfide	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
1,1-Dichloroethene	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
1,1-Dichloroethane	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
trans-1,2-Dichloroethene	ug/L			0.5 U			0.5 U	
cis-1,2-Dichloroethene	ug/L			0.5 U			0.5 U	
1,2-Dichloroethene (total)	ug/L	5 U			5 U			5 U
Chloroform	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
1,2-Dichloroethane	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
2-Butanone	ug/L	10 U		5 U	10 U		5 U	10 U
1,1,1-Trichloroethane	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Carbon Tetrachloride	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Vinyl Acetate	ug/L	10 U			10 U			10 U
Bromodichloromethane	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
1,2-Dichloropropane	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
cis-1,3-Dichloropropene	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Trichloroethene	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Dibromochloromethane	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
1,1,2-Trichloroethane	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Benzene	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
trans-1,3-Dichloropropene	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Bromoform	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
4-Methyl-2-Pentanone	ug/L	10 U		5 U	10 U		5 U	10 U
2-Hexanone	ug/L	10 U		5 U	10 U		5 U	10 U
Tetrachloroethene	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Toluene	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Chlorobenzene	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Ethylbenzene	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Styrene	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Xylene (total)	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Dichlorodifluoromethane	ug/L			0.5 U			0.5 U	
Trichlorofluoromethane	ug/L			0.5 U			0.5 U	
2,2-Dichloropropane	ug/L			0.5 U			0.5 U	
Bromochloromethane	ug/L			0.5 U			0.5 U	
1,1-Dichloropropene	ug/L			0.5 U			0.5 U	
Dibromomethane	ug/L			0.5 U			0.5 U	
1,3-Dichloropropane	ug/L			0.5 U			0.5 U	
1,2-Dibromoethane	ug/L			0.5 U			0.5 U	
1,1,1,2-Tetrachloroethane	ug/L			0.5 U			0.5 U	
Isopropylbenzene	ug/L			0.5 U			0.5 U	
Bromobenzene	ug/L			0.5 U			0.5 U	
1,2,3-Trichloropropane	ug/L			0.5 U			0.5 U	
n-Propylbenzene	ug/L			0.5 U			0.5 U	
2-Chlorotoluene	ug/L			0.5 U			0.5 U	
4-Chlorotoluene	ug/L			0.5 U			0.5 U	
1,3,5-Trimethylbenzene	ug/L			0.5 U			0.5 U	
tert-Butylbenzene	ug/L			0.5 U			0.5 U	
1,2,4-Trimethylbenzene	ug/L			0.5 U			0.5 U	
sec-Butylbenzene	ug/L			0.5 U			0.5 U	
1,3-Dichlorobenzene	ug/L			0.5 U			0.5 U	
1,4-Dichlorobenzene	ug/L			0.5 U			0.5 U	
p-Isopropyltoluene	ug/L			0.5 U			0.5 U	
1,2-Dichlorobenzene	ug/L			0.5 U			0.5 U	
n-Butylbenzene	ug/L			0.5 U			0.5 U	
1,2-Dibromo-3-Chloropropane	ug/L			0.5 U			0.5 U	
1,2,4-Trichlorobenzene	ug/L			0.5 U			0.5 U	
Hexachlorobutadiene	ug/L			0.5 U			0.5 U	
Naphthalene	ug/L			0.5 U			0.5 U	
1,2,3-Trichlorobenzene	ug/L			0.5 U			0.5 U	

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX LOCATION DATE ES ID LAB ID UNITS	PHASE I WATER MW-14A 01/15/92 MW-14A 152583	PHASE I WATER MW-14 01/15/92 MW-14A Filtered 152600	PHASE II WATER OB 03/10/93 MW-14 179873	PHASE I WATER MW-15 01/09/92 MW-15 152141	PHASE I WATER MW-15 01/09/92 MW-15 Filtered 152171	PHASE II WATER OB 03/02/93 MW-15 179507	PHASE I WATER MW-16 01/14/92 MW-16 152489
Semivolatiles								
Phenol	ug/L	11 U		10 U	11 U		10 U	11 U
bis(2-Chloroethyl) ether	ug/L	11 U		10 U	11 U		10 U	11 U
2-Chlorophenol	ug/L	11 U		10 U	11 U		10 U	11 U
1,3-Dichlorobenzene	ug/L	11 U		10 U	11 U		10 U	11 U
1,4-Dichlorobenzene	ug/L	11 U		10 U	11 U		10 U	11 U
Benzyl Alcohol	ug/L	11 U			11 U			11 U
1,2-Dichlorobenzene	ug/L	11 U		10 U	11 U		10 U	11 U
2-Methylphenol	ug/L	11 U		10 U	11 U		10 U	11 U
2,2'-oxybis(1-Chloropropane)	ug/L	11 U		10 U	11 U		10 U	11 U
4-Methylphenol	ug/L	11 U		10 U	11 U		10 U	11 U
N-Nitroso-di-n-propylamine	ug/L	11 U		10 U	11 U		10 U	11 U
Hexachloroethane	ug/L	11 U		10 U	11 U		10 U	11 U
Nitrobenzene	ug/L	11 U		10 U	11 U		10 U	11 U
Isophorone	ug/L	11 U		10 U	11 U		10 U	11 U
2-Nitrophenol	ug/L	11 U		10 U	11 U		10 U	11 U
2,4-Dimethylphenol	ug/L	11 U		10 U	11 U		10 U	11 U
Benzoic acid	ug/L	55 U			56 U			54 U
bis(2-Chloroethoxy) methane	ug/L	11 U		10 U	11 U		10 U	11 U
2,4-Dichlorophenol	ug/L	11 U		10 U	11 U		10 U	11 U
1,2,4-Trichlorobenzene	ug/L	11 U		10 U	11 U		10 U	11 U
Naphthalene	ug/L	11 U		10 U	11 U		10 U	11 U
4-Chloroaniline	ug/L	11 U		10 U	11 U		10 U	11 U
Hexachlorobutadiene	ug/L	11 U		10 U	11 U		10 U	11 U
4-Chloro-3-methylphenol	ug/L	11 U		10 U	11 U		10 U	11 U
2-Methylnaphthalene	ug/L	11 U		10 U	11 U		10 U	11 U
Hexachlorocyclopentadiene	ug/L	11 U		10 U	11 U		10 U	11 U
2,4,6-Trichlorophenol	ug/L	11 U		10 U	11 U		10 U	11 U
2,4,5-Trichlorophenol	ug/L	55 U		25 U	56 U		25 U	54 U
2-Chloronaphthalene	ug/L	11 U		10 U	11 U		10 U	11 U
2-Nitroaniline	ug/L	55 U		25 U	56 U		25 U	54 U
Dimethylphthalate	ug/L	11 U		10 U	11 U		10 U	11 U
Acenaphthylene	ug/L	11 U		10 U	11 U		10 U	11 U
2,6-Dinitrotoluene	ug/L	11 U		10 U	11 U		10 U	11 U
3-Nitroaniline	ug/L	55 U		25 U	56 U		25 U	54 U
Acenaphthene	ug/L	11 U		10 U	11 U		10 U	11 U
2,4-Dinitrophenol	ug/L	55 U		25 U	56 U		25 U	54 U
4-Nitrophenol	ug/L	55 U		25 U	56 U		25 U	54 U
Dibenzofuran	ug/L	11 U		10 U	11 U		10 U	11 U
2,4-Dinitrotoluene	ug/L	11 U		10 U	11 U		10 U	11 U
Diethylphthalate	ug/L	11 U		10 U	11 U		10 U	11 U
4-Chlorophenyl-phenylether	ug/L	11 U		10 U	11 U		10 U	11 U
Fluorene	ug/L	11 U		10 U	11 U		10 U	11 U
4-Nitroaniline	ug/L	55 U		25 U	56 U		25 U	54 U
4,6-Dinitro-2-methylphenol	ug/L	55 U		25 U	56 U		25 U	54 U
N-Nitrosodiphenylamine	ug/L	11 U		10 U	11 U		10 U	11 U
4-Bromophenyl-phenylether	ug/L	11 U		10 U	11 U		10 U	11 U
Hexachlorobenzene	ug/L	11 U		10 U	11 U		10 U	11 U
Pentachlorophenol	ug/L	55 U		25 U	56 U		25 U	54 U
Phenanthrene	ug/L	11 U		10 U	11 U		10 U	11 U
Anthracene	ug/L	11 U		10 U	11 U		10 U	11 U
Carbazole	ug/L			10 U			10 U	
Di-n-butylphthalate	ug/L	11 U		0.5 J	11 U		10 U	11 U
Fluoranthene	ug/L	11 U		10 U	11 U		10 U	11 U
Pyrene	ug/L	11 U		10 U	11 U		10 U	11 U
Butylbenzylphthalate	ug/L	11 U		10 U	11 U		10 U	11 U
3,3'-Dichlorobenzidine	ug/L	22 U		10 U	22 U		10 U	22 U
Benzo(a)anthracene	ug/L	11 U		10 U	11 U		10 U	11 U
Chrysene	ug/L	11 U		10 U	11 U		10 U	11 U
bis(2-Ethylhexyl)phthalate	ug/L	11 U		28 U	11 U		10 U	11 U
Di-n-octylphthalate	ug/L	11 U		0.9 J	11 U		10 U	11 U
Benzo(b)fluoranthene	ug/L	11 U		10 U	11 U		10 U	11 U
Benzo(k)fluoranthene	ug/L	11 U		10 U	11 U		10 U	11 U
Benzo(a)pyrene	ug/L	11 U		10 U	11 U		10 U	11 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U		10 U	11 U		10 U	11 U
Dibenz(a,h)anthracene	ug/L	11 U		10 U	11 U		10 U	11 U
Benzo(g,h,i)perylene	ug/L	11 U		10 U	11 U		10 U	11 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX	PHASE I	PHASE I	PHASE II	PHASE I	PHASE I	PHASE II	PHASE I
	LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	DATE	MW-14A	MW-14	OB	MW-15	MW-15	OB	MW-16
	ES ID	01/15/92	01/15/92	03/10/93	01/09/92	01/09/92	03/02/93	01/14/92
	LAB ID	MW-14A	MW-14A Filtered	MW-14	MW-15	MW-15 Filtered	MW-15	MW-16
	UNITS	152583	152600	179873	152141	152171	179507	152489
Pesticides/PCBs								
alpha-BHC	ug/L	0.052 U		0.054 U	0.06 U		0.05 U	0.056 U
beta-BHC	ug/L	0.052 U		0.054 U	0.06 U		0.05 U	0.056 U
delta-BHC	ug/L	0.052 U		0.054 U	0.06 U		0.05 U	0.056 U
gamma-BHC (Lindane)	ug/L	0.052 U		0.054 U	0.06 U		0.05 U	0.056 U
Heptachlor	ug/L	0.052 U		0.054 U	0.06 U		0.05 U	0.056 U
Aldrin	ug/L	0.052 U		0.054 U	0.06 U		0.05 U	0.056 U
Heptachlor epoxide	ug/L	0.052 U		0.054 U	0.06 U		0.05 U	0.056 U
Endosulfan I	ug/L	0.052 U		0.054 U	0.06 U		0.05 U	0.056 U
Dieldrin	ug/L	0.1 U		0.11 U	0.12 U		0.1 U	0.11 U
4,4'-DDE	ug/L	0.1 U		0.11 U	0.12 U		0.1 U	0.11 U
Endrin	ug/L	0.1 U		0.11 U	0.12 U		0.1 U	0.11 U
Endosulfan II	ug/L	0.1 U		0.11 U	0.12 U		0.1 U	0.11 U
4,4'-DDD	ug/L	0.1 U		0.11 U	0.12 U		0.1 U	0.11 U
Endosulfan sulfate	ug/L	0.1 U		0.11 U	0.12 U		0.1 U	0.11 U
4,4'-DDT	ug/L	0.1 U		0.11 U	0.12 U		0.1 U	0.11 U
Methoxychlor	ug/L	0.52 U		0.54 U	0.6 U		0.5 U	0.56 U
Endrin ketone	ug/L	0.1 U		0.11 U	0.12 U		0.1 U	0.11 U
Endrin aldehyde	ug/L			0.11 U			0.1 U	
alpha-Chlordane	ug/L	0.52 U		0.054 U	0.6 U		0.05 U	0.56 U
gamma-Chlordane	ug/L	0.52 U		0.054 U	0.6 U		0.05 U	0.56 U
Toxaphene	ug/L	1 U		5.4 U	1.2 U		5 U	1.1 U
Aroclor-1016	ug/L	0.52 U		1.1 U	0.6 U		1 U	0.56 U
Aroclor-1221	ug/L	0.52 U		2.1 U	0.6 U		2 U	0.56 U
Aroclor-1232	ug/L	0.52 U		1.1 U	0.6 U		1 U	0.56 U
Aroclor-1242	ug/L	0.52 U		1.1 U	0.6 U		1 U	0.56 U
Aroclor-1248	ug/L	0.52 U		1.1 U	0.6 U		1 U	0.56 U
Aroclor-1254	ug/L	1 U		1.1 U	1.2 U		1 U	1.1 U
Aroclor-1260	ug/L	1 U		1.1 U	1.2 U		1 U	1.1 U
Explosives								
HMX	ug/L	1 U		0.12 U	1 U		0.12 U	1 U
RDX	ug/L	0.12 U		0.12 U	0.082 J		0.12 U	0.12 U
1,3,5-Trinitrobenzene	ug/L	0.12 U		0.12 U	0.12 U		0.12 U	0.12 U
1,3-Dinitrobenzene	ug/L	0.12 U		0.12 U	0.12 U		0.12 U	0.12 U
Tetryl	ug/L	0.4 U		0.12 U	0.4 U		0.12 U	0.4 U
2,4,6-Trinitrotoluene	ug/L	0.12 U		0.12 U	0.12 U		0.12 U	0.12 U
4-amino-2,6-Dinitrotoluene	ug/L	0.12 U		0.12 U	0.12 U		0.12 U	0.12 U
2-amino-4,6-Dinitrotoluene	ug/L	0.12 U		0.12 U	0.12 U		0.12 U	0.12 U
2,6-Dinitrotoluene	ug/L	0.12 U		0.12 U	0.12 U		0.12 U	0.12 U
2,4-Dinitrotoluene	ug/L	0.12 U		0.12 U	0.12 U		0.12 U	0.12 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX	PHASE I WATER		PHASE I WATER		PHASE II WATER		PHASE I WATER		PHASE I WATER		PHASE II WATER		PHASE I WATER	
	LOCATION	MW-14A		MW-14		OB		MW-15		MW-15		OB		MW-16	
	DATE	01/15/92		01/15/92		03/10/93		01/09/92		01/09/92		03/02/93		01/14/92	
	ES ID	MW-14A		MW-14A Filtered		MW-14		MW-15		MW-15 Filtered		MW-15		MW-16	
	LAB ID	152583		152600		179873		152141		152171		179507		152489	
	UNITS														
Metals															
Aluminum	ug/l	32000	J	97.5	U	5590	J	30700		24.4	U	4440		6170	J
Antimony	ug/l	52.9	U	53	U	53.9	U	55.5	U	52.9	U	53.8	U	53	U
Arsenic	ug/l	4.9	J	3.5	U	1.7	U	6.2	J	3.5	U	1.7	U	3.5	U
Barium	ug/l	766		51.8	J	93.2	J	481		39.7	R	145	J	86.9	J
Beryllium	ug/l	1.4	R	1.2	U	0.91	J	2.5	R	1.1	U R	0.3	U	1.1	U
Cadmium	ug/l	5.7	R	3	U	3.1	U	3.4	J	3	U	3.1	U	3	U
Calcium	ug/l	189000		175000		169000		293000		248000		241000		126000	
Chromium	ug/l	46.1		6.2	U	5.6	J	50	R	7.7	R	5.9	J	7.9	J
Cobalt	ug/l	32.3	J	19.8	U	5	U	28.6	J	20.3	U	5	U	20.3	U
Copper	ug/l	61.6		15.2	J	12.7	J	67.4		10.1	U	10.8	J	10.1	U
Iron	ug/l	50500	J	17	U	7380	J	49600		6.9	U R	5880		7930	J
Lead	ug/l	63.5		1.2	U	85.6		123		1.2	U	10.5		9.1	
Magnesium	ug/l	44200	J	32800		36200		54900		47900		48900		26900	
Manganese	ug/l	807		3.2	U	87.1		564	J	19.9		66.2		146	
Mercury	ug/l	0.25	R	0.05	J	0.12	R	0.25	R	0.15	R	0.06	U	0.15	R
Nickel	ug/l	85.5		15.9	U	9.1	J	71.8		14.7	U	10.3	J	14.7	U
Potassium	ug/l	7430		889	J	2930	J	7100		1450	J	2060	J	2890	J
Selenium	ug/l	4.2	J	1	U	2.3	J	1.5	J	1.7	J	1.1	U	4.8	J
Silver	ug/l	4.9	R	9	U	3.2	U	9	U	3.4	U	3.2	U	5.3	R
Sodium	ug/l	38400		40700		35900		31600		30700		23700		9920	
Thallium	ug/l	3.2	U	3.2	U	2.6	U	3.2	U	3.2	U	2.6	U	3.2	U
Vanadium	ug/l	51.4		30.4	U	7.6	J	34.1	J	9.4	U	6.9	J	10.7	J
Zinc	ug/l	154		13.4	U	39.1		169		10.3	J	38.3		41.4	R
Cyanide	ug/l	10	U			10	U	10	U	J		10	U	10	U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE II WATER	PHASE I WATER	PHASE I WATER	PHASE II WATER
	LOCATION	MW-16	MW-16A	MW-16	OB	MW-17	MW-17	OB
	DATE	01/14/92	01/14/92	01/14/92	03/10/93	01/17/92	01/17/92	03/09/93
	ES ID	MW-16 Filtered	MW-16A	MW-16A Filtered	MW-16	MW-17	MW-17 Filtered	MW-17
	LAB ID	152497	152490	152498	179874	152681	152701	179812
	UNITS							
Volatile Organic Compounds								
Chloromethane	ug/L		10 U		0.5 U	10 U		0.5 U
Bromomethane	ug/L		10 U		0.5 U	10 U		0.5 U
Vinyl Chloride	ug/L		10 U		0.5 U	10 U		0.5 U
Chloroethane	ug/L		10 U		0.5 U	10 U		0.5 U
Methylene Chloride	ug/L		5 U		0.5 U	5 U		0.5 U
Acetone	ug/L		10 U		5 U	10 U		5 U
Carbon Disulfide	ug/L		5 U		0.5 U	5 U		0.5 U
1,1-Dichloroethene	ug/L		5 U		0.5 U	5 U		0.5 U
1,1-Dichloroethane	ug/L		5 U		0.5 U	5 U		0.5 U
trans-1,2-Dichloroethene	ug/L				0.5 U			0.5 U
cis-1,2-Dichloroethene	ug/L				0.5 U			0.5 U
1,2-Dichloroethene (total)	ug/L		5 U			5 U		
Chloroform	ug/L		5 U		0.5 U	5 U		0.5 U
1,2-Dichloroethane	ug/L		5 U		0.5 U	5 U		0.5 U
2-Butanone	ug/L		10 U		5 U	10 U		5 U
1,1,1-Trichloroethane	ug/L		5 U		0.5 U	5 U		0.5 U
Carbon Tetrachloride	ug/L		5 U		0.5 U	5 U		0.5 U
Vinyl Acetate	ug/L		10 U			10 U		
Bromodichloromethane	ug/L		5 U		0.5 U	5 U		0.5 U
1,2-Dichloropropane	ug/L		5 U		0.5 U	5 U		0.5 U
cis-1,3-Dichloropropene	ug/L		5 U		0.5 U	5 U		0.5 U
Trichloroethene	ug/L		5 U		0.5 U	5 U		0.5 U
Dibromochloromethane	ug/L		5 U		0.5 U	5 U		0.5 U
1,1,2-Trichloroethane	ug/L		5 U		0.5 U	5 U		0.5 U
Benzene	ug/L		5 U		0.5 U	5 U		0.5 U
trans-1,3-Dichloropropene	ug/L		5 U		0.5 U	5 U		0.5 U
Bromoform	ug/L		5 U		0.5 U	5 U		0.5 U
4-Methyl-2-Pentanone	ug/L		10 U		5 U	10 U		5 U
2-Hexanone	ug/L		10 U		5 U	10 U		5 U
Tetrachloroethene	ug/L		5 U		0.5 U	5 U		0.5 U
1,1,2,2-Tetrachloroethane	ug/L		5 U		0.5 U	5 U		0.5 U
Toluene	ug/L		5 U		0.5 U	5 U		0.5 U
Chlorobenzene	ug/L		5 U		0.5 U	5 U		0.5 U
Ethylbenzene	ug/L		5 U		0.5 U	5 U		0.5 U
Styrene	ug/L		5 U		0.5 U	5 U		0.5 U
Xylene (total)	ug/L		5 U		0.5 U	5 U		0.5 U
Dichlorodifluoromethane	ug/L				0.5 U			0.5 U
Trichlorofluoromethane	ug/L				0.5 U			0.5 U
2,2-Dichloropropane	ug/L				0.5 U			0.5 U
Bromochloromethane	ug/L				0.5 U			0.5 U
1,1-Dichloropropene	ug/L				0.5 U			0.5 U
Dibromomethane	ug/L				0.5 U			0.5 U
1,3-Dichloropropane	ug/L				0.5 U			0.5 U
1,2-Dibromoethane	ug/L				0.5 U			0.5 U
1,1,1,2-Tetrachloroethane	ug/L				0.5 U			0.5 U
Isopropylbenzene	ug/L				0.5 U			0.5 U
Bromobenzene	ug/L				0.5 U			0.5 U
1,2,3-Trichloropropane	ug/L				0.5 U			0.5 U
n-Propylbenzene	ug/L				0.5 U			0.5 U
2-Chlorotoluene	ug/L				0.5 U			0.5 U
4-Chlorotoluene	ug/L				0.5 U			0.5 U
1,3,5-Trimethylbenzene	ug/L				0.5 U			0.5 U
tert-Butylbenzene	ug/L				0.5 U			0.5 U
1,2,4-Trimethylbenzene	ug/L				0.5 U			0.5 U
sec-Butylbenzene	ug/L				0.5 U			0.5 U
1,3-Dichlorobenzene	ug/L				0.5 U			0.5 U
1,4-Dichlorobenzene	ug/L				0.5 U			0.5 U
p-Isopropyltoluene	ug/L				0.5 U			0.5 U
1,2-Dichlorobenzene	ug/L				0.5 U			0.5 U
n-Butylbenzene	ug/L				0.5 U			0.5 U
1,2-Dibromo-3-Chloropropane	ug/L				0.5 U			0.5 U
1,2,4-Trichlorobenzene	ug/L				0.5 U			0.5 U
Hexachlorobutadiene	ug/L				0.5 U			0.5 U
Naphthalene	ug/L				0.5 U			0.5 U
1,2,3-Trichlorobenzene	ug/L				0.5 U			0.5 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX LOCATION DATE ES ID LAB ID UNITS	PHASE I WATER MW-16 01/14/92 MW-16 Filtered 152497	PHASE I WATER MW-16A 01/14/92 MW-16A 152490	PHASE I WATER MW-16 01/14/92 MW-16A Filtered 152498	PHASE II WATER OB 03/10/93 MW-16 179874	PHASE I WATER MW-17 01/17/92 MW-17 152681	PHASE I WATER MW-17 01/17/92 MW-17 Filtered 152701	PHASE II WATER OB 03/09/93 MW-17 179812
Semivolatiles								
Phenol	ug/L		11 U		10 U	11 U		10 U
bis(2-Chloroethyl) ether	ug/L		11 U		10 U	11 U		10 U
2-Chlorophenol	ug/L		11 U		10 U	11 U		10 U
1,3-Dichlorobenzene	ug/L		11 U		10 U	11 U		10 U
1,4-Dichlorobenzene	ug/L		11 U		10 U	11 U		10 U
Benzyl Alcohol	ug/L		11 U			11 U		
1,2-Dichlorobenzene	ug/L		11 U		10 U	11 U		10 U
2-Methylphenol	ug/L		11 U		10 U	11 U		10 U
2,2'-oxybis(1-Chloropropane)	ug/L		11 U		10 U	11 U		10 U
4-Methylphenol	ug/L		11 U		10 U	11 U		10 U
N-Nitroso-di-n-propylamine	ug/L		11 U		10 U	11 U		10 U
Hexachloroethane	ug/L		11 U		10 U	11 U		10 U
Nitrobenzene	ug/L		11 U		10 U	11 U		10 U
Isophorone	ug/L		11 U		10 U	11 U		10 U
2-Nitrophenol	ug/L		11 U		10 U	11 U		10 U
2,4-Dimethylphenol	ug/L		11 U		10 U	11 U		10 U
Benzoic acid	ug/L		54 U			53 U		
bis(2-Chloroethoxy) methane	ug/L		11 U		10 U	11 U		10 U
2,4-Dichlorophenol	ug/L		11 U		10 U	11 U		10 U
1,2,4-Trichlorobenzene	ug/L		11 U		10 U	11 U		10 U
Naphthalene	ug/L		11 U		10 U	11 U		10 U
4-Chloroaniline	ug/L		11 U		10 U	11 U		10 U
Hexachlorobutadiene	ug/L		11 U		10 U	11 U		10 U
4-Chloro-3-methylphenol	ug/L		11 U		10 U	11 U		10 U
2-Methylnaphthalene	ug/L		11 U		10 U	11 U		10 U
Hexachlorocyclopentadiene	ug/L		11 U		10 U	11 U		10 U
2,4,6-Trichlorophenol	ug/L		11 U		10 U	11 U		10 U
2,4,5-Trichlorophenol	ug/L		54 U		25 U	53 U		25 U
2-Chloronaphthalene	ug/L		11 U		10 U	11 U		10 U
2-Nitroaniline	ug/L		54 U		25 U	53 U		25 U
Dimethylphthalate	ug/L		11 U		10 U	11 U		10 U
Acenaphthylene	ug/L		11 U		10 U	11 U		10 U
2,6-Dinitrotoluene	ug/L		11 U		10 U	11 U		10 U
3-Nitroaniline	ug/L		54 U		25 U	53 U		25 U
Acenaphthene	ug/L		11 U		10 U	11 U		10 U
2,4-Dinitrophenol	ug/L		54 U		25 U	53 U		25 U
4-Nitrophenol	ug/L		54 U		25 U	53 U		25 U
Dibenzofuran	ug/L		11 U		10 U	11 U		10 U
2,4-Dinitrotoluene	ug/L		11 U		10 U	11 U		10 U
Diethylphthalate	ug/L		11 U		10 U	11 U		1 J
4-Chlorophenyl-phenylether	ug/L		11 U		10 U	11 U		10 U
Fluorene	ug/L		11 U		10 U	11 U		10 U
4-Nitroaniline	ug/L		54 U		25 U	53 U		25 U
4,6-Dinitro-2-methylphenol	ug/L		54 U		25 U	53 U		25 U
N-Nitrosodiphenylamine	ug/L		11 U		10 U	11 U		10 U
4-Bromophenyl-phenylether	ug/L		11 U		10 U	11 U		10 U
Hexachlorobenzene	ug/L		11 U		10 U	11 U		10 U
Pentachlorophenol	ug/L		54 U		25 U	53 U		25 U
Phenanthrene	ug/L		11 U		10 U	11 U		10 U
Anthracene	ug/L		11 U		10 U	11 U		10 U
Carbazole	ug/L				10 U			10 U
Di-n-butylphthalate	ug/L		11 U		10 U	11 U		10 U
Fluoranthene	ug/L		11 U		10 U	11 U		10 U
Pyrene	ug/L		11 U		10 U	11 U		10 U
Butylbenzylphthalate	ug/L		11 U		10 U	11 U		10 U
3,3'-Dichlorobenzidine	ug/L		22 U		10 U	21 U		10 U
Benzo(a)anthracene	ug/L		11 U		10 U	11 U		10 U
Chrysene	ug/L		11 U		10 U	11 U		10 U
bis(2-Ethylhexyl)phthalate	ug/L		11 U		22 U	11 U		21 U
Di-n-octylphthalate	ug/L		11 U		10 U	11 U		10 U
Benzo(b)fluoranthene	ug/L		11 U		10 U	11 U		10 U
Benzo(k)fluoranthene	ug/L		11 U		10 U	11 U		10 U
Benzo(a)pyrene	ug/L		11 U		10 U	11 U		10 U
Indeno(1,2,3-cd)pyrene	ug/L		11 U		10 U	11 U		10 U
Dibenz(a,h)anthracene	ug/L		11 U		10 U	11 U		10 U
Benzo(g,h,i)perylene	ug/L		11 U		10 U	11 U		10 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX / LOCATION / DATE / ES ID / LAB ID	UNITS	PHASE I WATER MW-16 01/14/92 MW-16 Filtered 152497	PHASE I WATER MW-16A 01/14/92 MW-16A 152490	PHASE I WATER MW-16 01/14/92 MW-16A Filtered 152498	PHASE II WATER OB 03/10/93 MW-16 179874	PHASE I WATER MW-17 01/17/92 MW-17 152661	PHASE I WATER MW-17 01/17/92 MW-17 Filtered 152701	PHASE II WATER OB 03/09/93 MW-17 179812
Pesticides/PCBs									
alpha-BHC		ug/L		0.057 U		0.051 U	0.052 U		0.056 U
beta-BHC		ug/L		0.057 U		0.051 U	0.052 U		0.056 U
delta-BHC		ug/L		0.057 U		0.051 U	0.052 U		0.056 U
gamma-BHC (Lindane)		ug/L		0.057 U		0.051 U	0.052 U		0.056 U
Heptachlor		ug/L		0.057 U		0.051 U	0.052 U		0.056 U
Aldrin		ug/L		0.057 U		0.051 U	0.052 U		0.056 U
Heptachlor epoxide		ug/L		0.057 U		0.051 U	0.052 U		0.056 U
Endosulfan I		ug/L		0.057 U		0.051 U	0.052 U		0.056 U
Dieldrin		ug/L		0.11 U		0.1 U	0.1 U		0.11 U
4,4'-DDE		ug/L		0.11 U		0.1 U	0.1 U		0.11 U
Endrin		ug/L		0.11 U		0.1 U	0.1 U		0.11 U
Endosulfan II		ug/L		0.11 U		0.1 U	0.1 U		0.11 U
4,4'-DDD		ug/L		0.11 U		0.1 U	0.1 U		0.11 U
Endosulfan sulfate		ug/L		0.11 U		0.1 U	0.1 U		0.11 U
4,4'-DDT		ug/L		0.11 U		0.1 U	0.1 U		0.11 U
Methoxychlor		ug/L		0.57 U		0.51 U	0.52 U		0.56 U
Endrin ketone		ug/L		0.11 U		0.1 U	0.1 U		0.11 U
Endrin aldehyde		ug/L				0.1 U			0.11 U
alpha-Chlordane		ug/L		0.57 U		0.051 U	0.52 U		0.056 U
gamma-Chlordane		ug/L		0.57 U		0.051 U	0.52 U		0.056 U
Toxaphene		ug/L		1.1 U		5.1 U	1 U		5.6 U
Aroclor-1016		ug/L		0.57 U		1 U	0.52 U		1.1 U
Aroclor-1221		ug/L		0.57 U		2 U	0.52 U		2.3 U
Aroclor-1232		ug/L		0.57 U		1 U	0.52 U		1.1 U
Aroclor-1242		ug/L		0.57 U		1 U	0.52 U		1.1 U
Aroclor-1248		ug/L		0.57 U		1 U	0.52 U		1.1 U
Aroclor-1254		ug/L		1.1 U		1 U	1 U		1.1 U
Aroclor-1260		ug/L		1.1 U		1 U	1 U		1.1 U
Explosives									
HMX		ug/L		1 U		0.12 U	1 U		0.12 U
RDX		ug/L		0.12 U		0.12 U	0.12 U		0.12 U
1,3,5-Trinitrobenzene		ug/L		0.12 U		0.12 U	0.12 U		0.12 U
1,3-Dinitrobenzene		ug/L		0.12 U		0.12 U	0.12 U		0.12 U
Tetryl		ug/L		0.4 U		0.12 U	0.4 U		0.12 U
2,4,6-Trinitrotoluene		ug/L		0.12 U		0.12 U	0.12 U		0.12 U
4-amino-2,6-Dinitrotoluene		ug/L		0.12 U		0.12 U	0.12 U		0.12 U
2-amino-4,6-Dinitrotoluene		ug/L		0.12 U		0.12 U	0.12 U		0.12 U
2,6-Dinitrotoluene		ug/L		0.12 U		0.12 U	0.12 U		0.12 U
2,4-Dinitrotoluene		ug/L		0.12 U		0.12 U	0.12 U		0.12 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE II WATER	PHASE I WATER	PHASE I WATER	PHASE II WATER
	LOCATION	MW-16	MW-16A	MW-16	OB	MW-17	MW-17	OB
	DATE	01/14/92	01/14/92	01/14/92	03/10/93	01/17/92	01/17/92	03/09/93
	ES ID	MW-16 Filtered	MW-16A	MW-16A Filtered	MW-16	MW-17	MW-17 Filtered	MW-17
	LAB ID	152497	152490	152498	179874	152681	152701	179812
	UNITS							
Metals								
Aluminum	ug/l	24.5 U	5960 J	24.5 U	930 J	28200	97.3 U	5000
Antimony	ug/l	53.2 U	53.1 U	53.3 U	54 U	65.7	52.9 U	54 U
Arsenic	ug/l	3.5 U	3.5 U	3.5 U	1.7 U	3.5 U	3.5 U	1.7 U
Barium	ug/l	33.9 R	87.5 J	32.4 R	34.4 J	355	78 J	104 J
Beryllium	ug/l	1.4 R	1.1 U	1.5 R	0.3 U	2.8 R	1.2 U	0.37 J
Cadmium	ug/l	3 U	3 U	3 U	3.1 U	3.6 J	3 U	3.1 U
Calcium	ug/l	129000	123000	122000	132000	126000	103000	79500
Chromium	ug/l	6.2 U R	7.8 J	6.2 U R	3.2 J	40.7	6.1 U	7.9 J
Cobalt	ug/l	20.4 U	20.4 U	20.5 U	5 U	37.2 J	19.8 U	5 U
Copper	ug/l	10.2 U	10.1 U	10.2 U	2.7 J	66.9	16.2 J	7.6 R
Iron	ug/l	7 U R	8130 J	7 U R	1290 J	42200	16.9 U	5640
Lead	ug/l	1.2 U	11.3	1.2 U	1.8 J	42.5	1.2 U	5.3
Magnesium	ug/l	23200	26900	22700	24900	25400	14900	13600
Manganese	ug/l	9.5 J	146	8.3 J	31.1	2240	3.2 U	198
Mercury	ug/l	0.2 R	0.15 R	0.3 R	0.08 R	0.03 U	0.04 J	0.06 U
Nickel	ug/l	14.8 U	19.7 J	14.8 U	4.8 J	109	15.8 U	13.1 J
Potassium	ug/l	970 J	2530 J	883 J	1270 J	6360	629 U	1410 J
Selenium	ug/l	4.2 J	4.6 J	4.8 J	1.4 J	0.99 U	1.3 J	1.1 U
Silver	ug/l	3.4 U	4.4 R	3.4 U	3.2 U	3.4 U	9 U	3.2 U
Sodium	ug/l	10400	9830	10500	4830 J	7640	6450	3720 J
Thallium	ug/l	3.2 U	3.2 U	3.2 U	2.6 U	3.2 U	3.2 U	2.6 U
Vanadium	ug/l	9.5 U	11 J	9.5 U	3.1 J	37.3 J	30.3 U	8.9 J
Zinc	ug/l	8.5 U	39.8 R	8.5 U	14.3 R	154	13.4 U	53.1
Cyanide	ug/l		10 U		10 U	10 U		10 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX LOCATION DATE ES ID LAB ID UNITS	PHASE I WATER MW-18 01/13/92 MW-18 152393	PHASE I WATER MW-18 01/13/92 MW-18 Filtered 152412	PHASE I WATER MW-18A 01/13/92 MW-18A 152394	PHASE I WATER MW-18 01/13/92 MW-18A Filtered 152413	PHASE II WATER OB 03/09/93 MW-18 179813	PHASE II WATER OB 03/09/93 MW-18D 179814 DUP MW-18	PHASE I WATER MW-19 01/16/92 MW 19 152630
Volatile Organic Compounds								
Chloromethane	ug/L	10 U		10 U		0.5 U	0.5 U	10 U
Bromomethane	ug/L	10 U		10 U		0.5 U	0.5 U	10 U
Vinyl Chloride	ug/L	10 U		10 U		0.5 U	0.5 U	10 U
Chloroethane	ug/L	10 U		10 U		0.5 U	0.5 U	10 U
Methylene Chloride	ug/L	5 U		5 U		0.5 U	0.5 U	5 U
Acetone	ug/L	10 U		10 U		5 U	5 U	10 U
Carbon Disulfide	ug/L	5 U		5 U		0.5 U	0.5 U	5 U
1,1-Dichloroethene	ug/L	5 U		5 U		0.5 U	0.5 U	5 U
1,1-Dichloroethane	ug/L	5 U		5 U		0.5 U	0.5 U	5 U
trans-1,2-Dichloroethene	ug/L					0.5 U	0.5 U	
cis-1,2-Dichloroethene	ug/L					0.5 U	0.5 U	
1,2-Dichloroethene (total)	ug/L	5 U		5 U				5 U
Chloroform	ug/L	5 U		5 U		0.5 U	0.5 U	5 U
1,2-Dichloroethane	ug/L	5 U		5 U		0.5 U	0.5 U	5 U
2-Butanone	ug/L	10 U		10 U		5 U	5 U	10 U
1,1,1-Trichloroethane	ug/L	5 U		5 U		0.5 U	0.5 U	5 U
Carbon Tetrachloride	ug/L	5 U		5 U		0.5 U	0.5 U	5 U
Vinyl Acetate	ug/L	10 U		10 U				10 U
Bromodichloromethane	ug/L	5 U		5 U		0.5 U	0.5 U	5 U
1,2-Dichloropropane	ug/L	5 U		5 U		0.5 U	0.5 U	5 U
cis-1,3-Dichloropropene	ug/L	5 U		5 U		0.5 U	0.5 U	5 U
Trichloroethene	ug/L	5 U		5 U		0.5 U	0.5 U	5 U
Dibromochloromethane	ug/L	5 U		5 U		0.5 U	0.5 U	5 U
1,1,2-Trichloroethane	ug/L	5 U		5 U		0.5 U	0.5 U	5 U
Benzene	ug/L	5 U		5 U		0.5 U	0.5 U	5 U
trans-1,3-Dichloropropene	ug/L	5 U		5 U		0.5 U	0.5 U	5 U
Bromoform	ug/L	5 U		5 U		0.5 U	0.5 U	5 U
4-Methyl-2-Pentanone	ug/L	10 U		10 U		5 U	5 U	10 U
2-Hexanone	ug/L	10 U		10 U		5 U	5 U	10 U
Tetrachloroethene	ug/L	5 U		5 U		0.5 U	0.5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U		5 U		0.5 U	0.5 U	5 U
Toluene	ug/L	5 U		5 U		0.5 U	0.5 U	5 U
Chlorobenzene	ug/L	5 U		5 U		0.5 U	0.5 U	5 U
Ethylbenzene	ug/L	5 U		5 U		0.5 U	0.5 U	5 U
Styrene	ug/L	5 U		5 U		0.5 U	0.5 U	5 U
Xylene (total)	ug/L	5 U		5 U		0.5 U	0.5 U	5 U
Dichlorodifluoromethane	ug/L					0.5 U	0.5 U	
Trichlorofluoromethane	ug/L					0.5 U	0.5 U	
2,2-Dichloropropane	ug/L					0.5 U	0.5 U	
Bromochloromethane	ug/L					0.5 U	0.5 U	
1,1-Dichloropropene	ug/L					0.5 U	0.5 U	
Dibromomethane	ug/L					0.5 U	0.5 U	
1,3-Dichloropropane	ug/L					0.5 U	0.5 U	
1,2-Dibromoethane	ug/L					0.5 U	0.5 U	
1,1,1,2-Tetrachloroethane	ug/L					0.5 U	0.5 U	
Isopropylbenzene	ug/L					0.5 U	0.5 U	
Bromobenzene	ug/L					0.5 U	0.5 U	
1,2,3-Trichloropropane	ug/L					0.5 U	0.5 U	
n-Propylbenzene	ug/L					0.5 U	0.5 U	
2-Chlorotoluene	ug/L					0.5 U	0.5 U	
4-Chlorotoluene	ug/L					0.5 U	0.5 U	
1,3,5-Trimethylbenzene	ug/L					0.5 U	0.5 U	
tert-Butylbenzene	ug/L					0.5 U	0.5 U	
1,2,4-Trimethylbenzene	ug/L					0.5 U	0.5 U	
sec-Butylbenzene	ug/L					0.5 U	0.5 U	
1,3-Dichlorobenzene	ug/L					0.5 U	0.5 U	
1,4-Dichlorobenzene	ug/L					0.5 U	0.5 U	
p-Isopropyltoluene	ug/L					0.5 U	0.5 U	
1,2-Dichlorobenzene	ug/L					0.5 U	0.5 U	
n-Butylbenzene	ug/L					0.5 U	0.5 U	
1,2-Dibromo-3-Chloropropane	ug/L					0.5 U	0.5 U	
1,2,4-Trichlorobenzene	ug/L					0.5 U	0.5 U	
Hexachlorobutadiene	ug/L					0.5 U	0.5 U	
Naphthalene	ug/L					0.5 U	0.5 U	
1,2,3-Trichlorobenzene	ug/L					0.5 U	0.5 U	

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX LOCATION DATE ES ID LAB ID UNITS	PHASE I WATER MW-18 01/13/92 MW-18 152393	PHASE I WATER MW-18 01/13/92 MW-18 Filtered 152412	PHASE I WATER MW-18A 01/13/92 MW-18A 152394	PHASE I WATER MW-18 01/13/92 MW-18A Filtered 152413	PHASE II WATER OB 03/09/93 MW-18 179813	PHASE II WATER OB 03/09/93 MW-18D 179814 DUP MW-18	PHASE I WATER MW-19 01/16/92 MW 19 152630
Semivolatiles								
Phenol	ug/L	10 U		10 U		10 U	10 U	11 U
bis(2-Chloroethyl) ether	ug/L	10 U		10 U		10 U	10 U	11 U
2-Chlorophenol	ug/L	10 U		10 U		10 U	10 U	11 U
1,3-Dichlorobenzene	ug/L	10 U		10 U		10 U	10 U	11 U
1,4-Dichlorobenzene	ug/L	10 U		10 U		10 U	10 U	11 U
Benzyl Alcohol	ug/L	10 U		10 U				11 U
1,2-Dichlorobenzene	ug/L	10 U		10 U		10 U	10 U	11 U
2-Methylphenol	ug/L	10 U		10 U		10 U	10 U	11 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U		10 U		10 U	10 U	11 U
4-Methylphenol	ug/L	10 U		10 U		10 U	10 U	11 U
N-Nitroso-di-n-propylamine	ug/L	10 U		10 U		10 U	10 U	11 U
Hexachloroethane	ug/L	10 U		10 U		10 U	10 U	11 U
Nitrobenzene	ug/L	10 U		10 U		10 U	10 U	11 U
Isophorone	ug/L	10 U		10 U		10 U	10 U	11 U
2-Nitrophenol	ug/L	10 U		10 U		10 U	10 U	11 U
2,4-Dimethylphenol	ug/L	10 U		10 U		10 U	10 U	11 U
Benzoic acid	ug/L	51 U		51 U				55 U
bis(2-Chloroethoxy) methane	ug/L	10 U		10 U		10 U	10 U	11 U
2,4-Dichlorophenol	ug/L	10 U		10 U		10 U	10 U	11 U
1,2,4-Trichlorobenzene	ug/L	10 U		10 U		10 U	10 U	11 U
Naphthalene	ug/L	10 U		10 U		10 U	10 U	11 U
4-Chloroaniline	ug/L	10 U		10 U		10 U	10 U	11 U
Hexachlorobutadiene	ug/L	10 U		10 U		10 U	10 U	11 U
4-Chloro-3-methylphenol	ug/L	10 U		10 U		10 U	10 U	11 U
2-Methylnaphthalene	ug/L	10 U		10 U		10 U	10 U	11 U
Hexachlorocyclopentadiene	ug/L	10 U		10 U		10 U	10 U	11 U
2,4,6-Trichlorophenol	ug/L	10 U		10 U		10 U	10 U	11 U
2,4,5-Trichlorophenol	ug/L	51 U		51 U		25 U	25 U	55 U
2-Chloronaphthalene	ug/L	10 U		10 U		10 U	10 U	11 U
2-Nitroaniline	ug/L	51 U		51 U		25 U	25 U	55 U
Dimethylphthalate	ug/L	10 U		10 U		10 U	10 U	11 U
Acenaphthylene	ug/L	10 U		10 U		10 U	10 U	11 U
2,6-Dinitrotoluene	ug/L	10 U		10 U		10 U	10 U	11 U
3-Nitroaniline	ug/L	51 U		51 U		25 U	25 U	55 U
Acenaphthene	ug/L	10 U		10 U		10 U	10 U	11 U
2,4-Dinitrophenol	ug/L	51 U		51 U		25 U	25 U	55 U
4-Nitrophenol	ug/L	51 U		51 U		25 U	25 U	55 U
Dibenzofuran	ug/L	10 U		10 U		10 U	10 U	11 U
2,4-Dinitrotoluene	ug/L	10 U		10 U		10 U	10 U	11 U
Diethylphthalate	ug/L	10 U		10 U		10 U	10 U	11 U
4-Chlorophenyl-phenylether	ug/L	10 U		10 U		10 U	10 U	11 U
Fluorene	ug/L	10 U		10 U		10 U	10 U	11 U
4-Nitroaniline	ug/L	51 U		51 U		25 U	25 U	55 U
4,6-Dinitro-2-methylphenol	ug/L	51 U		51 U		25 U	25 U	55 U
N-Nitrosodiphenylamine	ug/L	10 U		10 U		10 U	10 U	11 U
4-Bromophenyl-phenylether	ug/L	10 U		10 U		10 U	10 U	11 U
Hexachlorobenzene	ug/L	10 U		10 U		10 U	10 U	11 U
Pentachlorophenol	ug/L	51 U		51 U		25 U	25 U	55 U
Phenanthrene	ug/L	10 U		10 U		10 U	10 U	11 U
Anthracene	ug/L	10 U		10 U		10 U	10 U	11 U
Carbazole	ug/L					10 U	10 U	
Di-n-butylphthalate	ug/L	10 U		10 U		2 J	10 U	11 U
Fluoranthene	ug/L	10 U		10 U		10 U	10 U	11 U
Pyrene	ug/L	10 U		10 U		10 U	10 U	11 U
Butylbenzylphthalate	ug/L	10 U		10 U		10 U	10 U	11 U
3,3'-Dichlorobenzidine	ug/L	21 U		21 U		10 U	10 U	22 U
Benzo(a)anthracene	ug/L	10 U		10 U		10 U	10 U	11 U
Chrysene	ug/L	10 U		10 U		10 U	10 U	11 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U		10 U		20 U	10 U	11 U
Di-n-octylphthalate	ug/L	10 U		10 U		10 U	10 U	11 U
Benzo(b)fluoranthene	ug/L	10 U		10 U		10 U	10 U	11 U
Benzo(k)fluoranthene	ug/L	10 U		10 U		10 U	10 U	11 U
Benzo(a)pyrene	ug/L	10 U		10 U		10 U	10 U	11 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U		10 U		10 U	10 U	11 U
Dibenz(a,h)anthracene	ug/L	10 U		10 U		10 U	10 U	11 U
Benzo(g,h,i)perylene	ug/L	10 U		10 U		10 U	10 U	11 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX LOCATION DATE ES ID LAB ID UNITS	PHASE I WATER MW-18 01/13/92 MW-18 152393	PHASE I WATER MW-18 01/13/92 MW-18 Filtered 152412	PHASE I WATER MW-18A 01/13/92 MW-18A 152394	PHASE I WATER MW-18 01/13/92 MW-18A Filtered 152413	PHASE II WATER OB 03/09/93 MW-18 179813	PHASE II WATER OB 03/09/93 MW-18D 179814 DUP MW-18	PHASE I WATER MW-19 01/16/92 MW 19 152630
Pesticides/PCBs								
alpha-BHC	ug/L	0.051 U		0.052 U		0.056 U	0.054 U	0.056 U
beta-BHC	ug/L	0.051 U		0.052 U		0.056 U	0.054 U	0.056 U
delta-BHC	ug/L	0.051 U		0.052 U		0.056 U	0.054 U	0.056 U
gamma-BHC (Lindane)	ug/L	0.051 U		0.052 U		0.056 U	0.054 U	0.056 U
Heptachlor	ug/L	0.051 U		0.052 U		0.056 U	0.054 U	0.056 U
Aldrin	ug/L	0.051 U		0.052 U		0.056 U	0.054 U	0.056 U
Heptachlor epoxide	ug/L	0.051 U		0.052 U		0.056 U	0.054 U	0.056 U
Endosulfan I	ug/L	0.051 U		0.052 U		0.056 U	0.054 U	0.056 U
Dieldrin	ug/L	0.1 U		0.1 U		0.11 U	0.11 U	0.11 U
4,4'-DDE	ug/L	0.1 U		0.1 U		0.11 U	0.11 U	0.11 U
Endrin	ug/L	0.1 U		0.1 U		0.11 U	0.11 U	0.11 U
Endosulfan II	ug/L	0.1 U		0.1 U		0.11 U	0.11 U	0.11 U
4,4'-DDD	ug/L	0.1 U		0.1 U		0.11 U	0.11 U	0.11 U
Endosulfan sulfate	ug/L	0.1 U		0.1 U		0.11 U	0.11 U	0.11 U
4,4'-DDT	ug/L	0.1 U		0.1 U		0.11 U	0.11 U	0.11 U
Methoxychlor	ug/L	0.51 U		0.52 U		0.56 U	0.54 U	0.56 U
Endrin ketone	ug/L	0.1 U		0.1 U		0.11 U	0.11 U	0.11 U
Endrin aldehyde	ug/L					0.11 U	0.11 U	
alpha-Chlordane	ug/L	0.51 U		0.52 U		0.056 U	0.054 U	0.56 U
gamma-Chlordane	ug/L	0.51 U		0.52 U		0.056 U	0.054 U	0.56 U
Toxaphene	ug/L	1 U		1 U		5.6 U	5.4 U	1.1 U
Aroclor-1016	ug/L	0.51 U		0.52 U		1.1 U	1.1 U	0.56 U
Aroclor-1221	ug/L	0.51 U		0.52 U		2.3 U	2.2 U	0.56 U
Aroclor-1232	ug/L	0.51 U		0.52 U		1.1 U	1.1 U	0.56 U
Aroclor-1242	ug/L	0.51 U		0.52 U		1.1 U	1.1 U	0.56 U
Aroclor-1248	ug/L	0.51 U		0.52 U		1.1 U	1.1 U	0.56 U
Aroclor-1254	ug/L	1 U		1 U		1.1 U	1.1 U	1.1 U
Aroclor-1260	ug/L	1 U		1 U		1.1 U	1.1 U	1.1 U
Explosives								
HMX	ug/L	1 U		1 U		0.12 U	0.12 U	1 U
RDX	ug/L	0.12 U		0.12 U		0.12 U	0.12 U	0.12 U
1,3,5-Trinitrobenzene	ug/L	0.12 U		0.12 U		0.12 U	0.12 U	0.12 U
1,3-Dinitrobenzene	ug/L	0.12 U		0.12 U		0.12 U	0.12 U	0.12 U
Tetryl	ug/L	0.4 U		0.4 U		0.12 U	0.12 U	0.4 U
2,4,6-Trinitrotoluene	ug/L	0.12 U		0.12 U		0.12 U	0.12 U	0.12 U
4-amino-2,6-Dinitrotoluene	ug/L	0.12 U		0.12 U		0.12 U	0.12 U	0.12 U
2-amino-4,6-Dinitrotoluene	ug/L	0.12 U		0.12 U		0.12 U	0.12 U	0.12 U
2,6-Dinitrotoluene	ug/L	0.12 U		0.12 U		0.12 U	0.12 U	0.12 U
2,4-Dinitrotoluene	ug/L	0.12 U		0.12 U		0.12 U	0.12 U	0.12 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE II WATER	PHASE II WATER	PHASE I WATER
	LOCATION	MW-18	MW-18	MW-18A	MW-18	OB	OB	MW-19
	DATE	01/13/92	01/13/92	01/13/92	01/13/92	03/09/93	03/09/93	01/16/92
	ES ID	MW-18	MW-18 Filtered	MW-18A	MW-18A Filtered	MW-18	MW-18D	MW 19
	LAB ID	152393	152412	152394	152413	179813	179814	152630
	UNITS						DUP MW-18	
Metals								
Aluminum	ug/l	9100 J	24.4 U	8660 J	24.6 U	1400	1210	243000
Antimony	ug/l	56.8 J	52.9 U	55.8 U	61.3	53.9 U	53.7 U	52.9 U
Arsenic	ug/l	3.5 U	3.5 U	3.5 U	3.5 U	1.7 U	1.7 U	4.1 J
Barium	ug/l	195 J	15.9 R	162 J	14.6 R	39.9 J	36.5 J	2230
Beryllium	ug/l	2 R	1.1 U R	2.1 R	1.1 U R	0.3 U	0.3 U	12.8 R
Cadmium	ug/l	2.9 U	3 U	2.9 U	3 U	3.1 U	3.1 U	51.9
Calcium	ug/l	143000	131000	140000	130000	107000	113000	1780000
Chromium	ug/l	11.8 R	6.1 U R	10.9 R	8 R	2 U	2 U	408
Cobalt	ug/l	19.9 U	20.3 U	19.9 U	20.5 U	5 U	5 U	208
Copper	ug/l	14.4 U	10.1 U	14.4 U	10.2 U	2.7 R	4.1 R	525
Iron	ug/l	13000 J	6.9 U R	11700 J	7 U R	1550	1110	469000 J
Lead	ug/l	11.4	1.2 U	10.6	1.2 U	1.5 J	1 J	141
Magnesium	ug/l	27000	24500	26500	24500	21200	22200	227000
Manganese	ug/l	289 J	110	271 J	108	155	148	6980
Mercury	ug/l	0.16 R	0.16 R	0.16 R	0.17 R	0.06 U	0.06 U	0.49 R
Nickel	ug/l	22.9 J	14.7 U	17.1 J	14.8 U	5.2 J	3.5 U	642
Potassium	ug/l	4130 J	1470 J	3870 J	1670 J	753 J	702 J	25400
Selenium	ug/l	1.5 J	1 U	2.9 J	1.6 J	1.2 J	1.1 U	10 U
Silver	ug/l	9 U	3.4 U	9.1 U	3.4 U	3.2 U	3.2 U	5.7 R
Sodium	ug/l	28300	28100	28500	27500	19100	20200	107000
Thallium	ug/l	3.2 U	3.2 U	3.2 U	3.2 U	2.6 U	2.6 U	31.7 U
Vanadium	ug/l	30.4 U	9.4 U	30.5 U	9.5 U	2.6 J	2.1 U	324
Zinc	ug/l	45.5	8.4 U	46.6	10.5 J	19.6 R	21.1 R	3260
Cyanide	ug/l	10 U J		10 U J		10 U	10 U	10 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX	PHASE I	PHASE II	PHASE I	PHASE I	PHASE II	PHASE I	PHASE I
	LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	DATE	MW-19	OB	MW-21	MW-21	OB	MW-22	MW-22
	ES ID	01/16/92	03/04/93	01/08/92	01/08/92	03/01/93	01/13/92	01/13/92
	LAB ID	MW-19 Filt	MW-19	MW-21	MW-21 Filt	MW-21	MW-22	MW-22 Filtered
	UNITS	152663	179601	152142	152172	179435	152395	152414
Volatile Organic Compounds								
Chloromethane	ug/L		0.5 U	10 U		0.5 U	10 U	
Bromomethane	ug/L		0.5 U	10 U		0.5 U	10 U	
Vinyl Chloride	ug/L		0.5 U	10 U		0.5 U	10 U	
Chloroethane	ug/L		0.5 U	10 U		0.5 U	10 U	
Methylene Chloride	ug/L		0.5 U	5 U		0.5 U	5 U	
Acetone	ug/L		5 U	10 U		5 U	10 U	
Carbon Disulfide	ug/L		0.5 U	5 U		0.5 U	5 U	
1,1-Dichloroethene	ug/L		0.5 U	5 U		0.5 U	5 U	
1,1-Dichloroethane	ug/L		0.5 U	5 U		0.5 U	5 U	
trans-1,2-Dichloroethene	ug/L		0.5 U			0.5 U		
cis-1,2-Dichloroethene	ug/L		0.5 U			0.5 U		
1,2-Dichloroethene (total)	ug/L			5 U			5 U	
Chloroform	ug/L		0.5 U	5 U		0.5 U	5 U	
1,2-Dichloroethane	ug/L		0.5 U	5 U		0.5 U	5 U	
2-Butanone	ug/L		5 U	10 U		5 U	10 U	
1,1,1-Trichloroethane	ug/L		0.5 U	5 U		0.5 U	5 U	
Carbon Tetrachloride	ug/L		0.5 U	5 U		0.5 U	5 U	
Vinyl Acetate	ug/L			10 U			10 U	
Bromodichloromethane	ug/L		0.5 U	5 U		0.5 U	5 U	
1,2-Dichloropropane	ug/L		0.5 U	5 U		0.5 U	5 U	
cis-1,3-Dichloropropene	ug/L		0.5 U	5 U		0.5 U	5 U	
Trichloroethene	ug/L		0.5 U	5 U		0.5 U	5 U	
Dibromochloromethane	ug/L		0.5 U	5 U		0.5 U	5 U	
1,1,2-Trichloroethane	ug/L		0.5 U	5 U		0.5 U	5 U	
Benzene	ug/L		0.5 U	5 U		0.5 U	5 U	
trans-1,3-Dichloropropene	ug/L		0.5 U	5 U		0.5 U	5 U	
Bromoform	ug/L		0.5 U	5 U		0.5 U	5 U	
4-Methyl-2-Pentanone	ug/L		5 U	10 U		5 U	10 U	
2-Hexanone	ug/L		5 U	10 U		5 U	10 U	
Tetrachloroethene	ug/L		0.5 U	5 U		0.5 U	5 U	
1,1,2,2-Tetrachloroethane	ug/L		0.5 U	5 U		0.5 U	5 U	
Toluene	ug/L		0.5 U	5 U		0.5 U	5 U	
Chlorobenzene	ug/L		0.5 U	5 U		0.5 U	5 U	
Ethylbenzene	ug/L		0.5 U	5 U		0.5 U	5 U	
Styrene	ug/L		0.5 U	5 U		0.5 U	5 U	
Xylene (total)	ug/L		0.5 U	5 U		0.5 U	5 U	
Dichlorodifluoromethane	ug/L		0.5 U			0.5 U		
Trichlorofluoromethane	ug/L		0.5 U			0.5 U		
2,2-Dichloropropane	ug/L		0.5 U			0.5 U		
Bromochloromethane	ug/L		0.5 U			0.5 U		
1,1-Dichloropropene	ug/L		0.5 U			0.5 U		
Dibromomethane	ug/L		0.5 U			0.5 U		
1,3-Dichloropropane	ug/L		0.5 U			0.5 U		
1,2-Dibromoethane	ug/L		0.5 U			0.5 U		
1,1,1,2-Tetrachloroethane	ug/L		0.5 U			0.5 U		
Isopropylbenzene	ug/L		0.5 U			0.5 U		
Bromobenzene	ug/L		0.5 U			0.5 U		
1,2,3-Trichloropropane	ug/L		0.5 U			0.5 U		
n-Propylbenzene	ug/L		0.5 U			0.5 U		
2-Chlorotoluene	ug/L		0.5 U			0.5 U		
4-Chlorotoluene	ug/L		0.5 U			0.5 U		
1,3,5-Trimethylbenzene	ug/L		0.5 U			0.5 U		
tert-Butylbenzene	ug/L		0.5 U			0.5 U		
1,2,4-Trimethylbenzene	ug/L		0.5 U			0.5 U		
sec-Butylbenzene	ug/L		0.5 U			0.5 U		
1,3-Dichlorobenzene	ug/L		0.5 U			0.5 U		
1,4-Dichlorobenzene	ug/L		0.5 U			0.5 U		
p-Isopropyltoluene	ug/L		0.5 U			0.5 U		
1,2-Dichlorobenzene	ug/L		0.5 U			0.5 U		
n-Butylbenzene	ug/L		0.5 U			0.5 U		
1,2-Dibromo-3-Chloropropane	ug/L		0.5 U			0.5 U		
1,2,4-Trichlorobenzene	ug/L		0.5 U			0.5 U		
Hexachlorobutadiene	ug/L		0.5 U			0.5 U		
Naphthalene	ug/L		0.5 U			0.5 U		
1,2,3-Trichlorobenzene	ug/L		0.5 U			0.5 U		

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX LOCATION DATE ES ID LAB ID UNITS	PHASE I WATER MW-19 01/16/92 MW-19 Filt. 152663	PHASE II WATER OB 03/04/93 MW-19 179601	PHASE I WATER MW-21 01/08/92 MW-21 152142	PHASE I WATER MW-21 01/08/92 MW-21 Filt. 152172	PHASE II WATER OB 03/01/93 MW-21 179435	PHASE I WATER MW-22 01/13/92 MW-22 152395	PHASE I WATER MW-22 01/13/92 MW-22 Filtered 152414
Semivolatiles								
Phenol	ug/L		10 U	10 U		10 U	10 U	
bis(2-Chloroethyl) ether	ug/L		10 U	10 U		10 U	10 U	
2-Chlorophenol	ug/L		10 U	10 U		10 U	10 U	
1,3-Dichlorobenzene	ug/L		10 U	10 U		10 U	10 U	
1,4-Dichlorobenzene	ug/L		10 U	10 U		10 U	10 U	
Benzyl Alcohol	ug/L			10 U			10 U	
1,2-Dichlorobenzene	ug/L		10 U	10 U		10 U	10 U	
2-Methylphenol	ug/L		10 U	10 U		10 U	10 U	
2,2'-oxybis(1-Chloropropane)	ug/L		10 U	10 U		10 U	10 U	
4-Methylphenol	ug/L		10 U	10 U		10 U	10 U	
N-Nitroso-di-n-propylamine	ug/L		10 U	10 U		10 U	10 U	
Hexachloroethane	ug/L		10 U	10 U		10 U	10 U	
Nitrobenzene	ug/L		10 U	10 U		10 U	10 U	
Isophorone	ug/L		10 U	10 U		10 U	10 U	
2-Nitrophenol	ug/L		10 U	10 U		10 U	10 U	
2,4-Dimethylphenol	ug/L		10 U	10 U		10 U	10 U	
Benzoic acid	ug/L			52 U			50 U	
bis(2-Chloroethoxy) methane	ug/L		10 U	10 U		10 U	10 U	
2,4-Dichlorophenol	ug/L		10 U	10 U		10 U	10 U	
1,2,4-Trichlorobenzene	ug/L		10 U	10 U		10 U	10 U	
Naphthalene	ug/L		10 U	10 U		10 U	10 U	
4-Chloroaniline	ug/L		10 U	10 U		10 U	10 U	
Hexachlorobutadiene	ug/L		10 U	10 U		10 U	10 U	
4-Chloro-3-methylphenol	ug/L		10 U	10 U		10 U	10 U	
2-Methylnaphthalene	ug/L		10 U	10 U		10 U	10 U	
Hexachlorocyclopentadiene	ug/L		10 U	10 U		10 U	10 U	
2,4,6-Trichlorophenol	ug/L		10 U	10 U		10 U	10 U	
2,4,5-Trichlorophenol	ug/L		25 U	52 U		25 U	50 U	
2-Chloronaphthalene	ug/L		10 U	10 U		10 U	10 U	
2-Nitroaniline	ug/L		25 U	52 U		25 U	50 U	
Dimethylphthalate	ug/L		10 U	10 U		10 U	10 U	
Acenaphthylene	ug/L		10 U	10 U		10 U	10 U	
2,6-Dinitrotoluene	ug/L		10 U	10 U		10 U	10 U	
3-Nitroaniline	ug/L		25 U	52 U		25 U	50 U	
Acenaphthene	ug/L		10 U	10 U		10 U	10 U	
2,4-Dinitrophenol	ug/L		25 U	52 U		25 U	50 U	
4-Nitrophenol	ug/L		25 U	52 U		25 U	50 U	
Dibenzofuran	ug/L		10 U	10 U		10 U	10 U	
2,4-Dinitrotoluene	ug/L		10 U	10 U		10 U	10 U	
Diethylphthalate	ug/L		10 U	10 U		10 U	10 U	
4-Chlorophenyl-phenylether	ug/L		10 U	10 U		10 U	10 U	
Fluorene	ug/L		10 U	10 U		10 U	10 U	
4-Nitroaniline	ug/L		25 U	52 U		25 U	50 U	
4,6-Dinitro-2-methylphenol	ug/L		25 U	52 U		25 U	50 U	
N-Nitrosodiphenylamine	ug/L		10 U	10 U		10 U	10 U	
4-Bromophenyl-phenylether	ug/L		10 U	10 U		10 U	10 U	
Hexachlorobenzene	ug/L		10 U	10 U		10 U	10 U	
Pentachlorophenol	ug/L		25 U	52 U		25 U	50 U	
Phenanthrene	ug/L		10 U	10 U		10 U	10 U	
Anthracene	ug/L		10 U	10 U		10 U	10 U	
Carbazole	ug/L		10 U			10 U		
Di-n-butylphthalate	ug/L		10 U	10 U		10 U	10 U	
Fluoranthene	ug/L		10 U	10 U		10 U	10 U	
Pyrene	ug/L		10 U	10 U		10 U	10 U	
Butylbenzylphthalate	ug/L		10 U	10 U		10 U	10 U	
3,3'-Dichlorobenzidine	ug/L		10 U	21 U		10 U	20 U	
Benzo(a)anthracene	ug/L		10 U	10 U		10 U	10 U	
Chrysene	ug/L		10 U	10 U		10 U	10 U	
bis(2-Ethylhexyl)phthalate	ug/L		10 U	10 U		14 U	10 U	
Di-n-octylphthalate	ug/L		10 U	10 U		10 U	10 U	
Benzo(b)fluoranthene	ug/L		10 U	10 U		10 U	10 U	
Benzo(k)fluoranthene	ug/L		10 U	10 U		10 U	10 U	
Benzo(a)pyrene	ug/L		10 U	10 U		10 U	10 U	
Indeno(1,2,3-cd)pyrene	ug/L		10 U	10 U		10 U	10 U	
Dibenz(a,h)anthracene	ug/L		10 U	10 U		10 U	10 U	
Benzo(g,h,i)perylene	ug/L		10 U	10 U		10 U	10 U	

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX / LOCATION / DATE / ES ID / LAB ID	UNITS	PHASE I WATER MW-19 01/16/92 MW-19 Filt 152663	PHASE II WATER OB 03/04/93 MW-19 179601	PHASE I WATER MW-21 01/08/92 MW-21 152142	PHASE I WATER MW-21 01/08/92 MW-21 Filt 152172	PHASE II WATER OB 03/01/93 MW-21 179435	PHASE I WATER MW-22 01/13/92 MW-22 152395	PHASE I WATER MW-22 01/13/92 MW-22 Filtered 152414
Pesticides/PCBs									
alpha-BHC		ug/L		0.052 U	0.052 U		0.05 U	0.053 U	
beta-BHC		ug/L		0.052 U	0.052 U		0.05 U	0.053 U	
delta-BHC		ug/L		0.052 U	0.052 U		0.05 U	0.053 U	
gamma-BHC (Lindane)		ug/L		0.052 U	0.052 U		0.05 U	0.053 U	
Heptachlor		ug/L		0.052 U	0.052 U		0.05 U	0.053 U	
Aldrin		ug/L		0.052 U	0.052 U		0.05 U	0.053 U	
Heptachlor epoxide		ug/L		0.052 U	0.052 U		0.05 U	0.053 U	
Endosulfan I		ug/L		0.052 U	0.052 U		0.05 U	0.053 U	
Dieldrin		ug/L		0.1 U	0.1 U		0.1 U	0.11 U	
4,4'-DDE		ug/L		0.1 U	0.1 U		0.1 U	0.11 U	
Endrin		ug/L		0.1 U	0.1 U		0.1 U	0.11 U	
Endosulfan II		ug/L		0.1 U	0.1 U		0.1 U	0.11 U	
4,4'-DDD		ug/L		0.1 U	0.1 U		0.1 U	0.11 U	
Endosulfan sulfate		ug/L		0.1 U	0.1 U		0.1 U	0.11 U	
4,4'-DDT		ug/L		0.1 U	0.1 U		0.1 U	0.11 U	
Methoxychlor		ug/L		0.52 U	0.52 U		0.5 U	0.53 U	
Endrin ketone		ug/L		0.1 U	0.1 U		0.1 U	0.11 U	
Endrin aldehyde		ug/L		0.1 U			0.1 U		
alpha-Chlordane		ug/L		0.052 U	0.52 U		0.05 U	0.53 U	
gamma-Chlordane		ug/L		0.052 U	0.52 U		0.05 U	0.53 U	
Toxaphene		ug/L		5.2 U	1 U		5 U	1.1 U	
Aroclor-1016		ug/L		1 U	0.52 U		1 U	0.53 U	
Aroclor-1221		ug/L		2.1 U	0.52 U		2 U	0.53 U	
Aroclor-1232		ug/L		1 U	0.52 U		1 U	0.53 U	
Aroclor-1242		ug/L		1 U	0.52 U		1 U	0.53 U	
Aroclor-1248		ug/L		1 U	0.52 U		1 U	0.53 U	
Aroclor-1254		ug/L		1 U	1 U		1 U	1.1 U	
Aroclor-1260		ug/L		1 U	1 U		1 U	1.1 U	
Explosives									
HMX		ug/L		0.12 U	1 U		0.12 U	1 U	
RDX		ug/L		0.12 U	0.12 U		0.12 U	0.12 U	
1,3,5-Trinitrobenzene		ug/L		0.12 U	0.12 U		0.12 U	0.12 U	
1,3-Dinitrobenzene		ug/L		0.12 U	0.12 U		0.12 U	0.12 U	
Tetryl		ug/L		0.12 U	0.4 U		0.12 U	0.4 U	
2,4,6-Trinitrotoluene		ug/L		0.12 U	0.12 U		0.12 U	0.12 U	
4-amino-2,6-Dinitrotoluene		ug/L		0.12 U	0.12 U		0.12 U	0.12 U	
2-amino-4,6-Dinitrotoluene		ug/L		0.12 U	0.12 U		0.12 U	0.12 U	
2,6-Dinitrotoluene		ug/L		0.12 U	0.12 U		0.12 U	0.12 U	
2,4-Dinitrotoluene		ug/L		0.12 U	0.12 U		0.12 U	0.12 U	

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX	PHASE I WATER	PHASE II WATER	PHASE I WATER	PHASE I WATER	PHASE II WATER	PHASE I WATER	PHASE I WATER
	LOCATION	MW-19	OB	MW-21	MW-21	OB	MW-22	MW-22
	DATE	01/16/92	03/04/93	01/08/92	01/08/92	03/01/93	01/13/92	01/13/92
	ES ID	MW-19 Filt	MW-19	MW-21	MW-21 Filt	MW-21	MW-22	MW-22 Filtered
	LAB ID	152663	179601	152142	152172	179435	152395	152414
	UNITS							
Metals								
Aluminum	ug/l	97.5 U	40200	1880 J	24.4 U	62.5 U	13100	24.4 U
Antimony	ug/l	53 U	53.9 U	55.9 U	52.9 U	54 U	55.8 U	53 U
Arsenic	ug/l	3.5 U	8 J	3.5 U	3.5 U	1.7 U	3.5 U	3.5 U
Barium	ug/l	40.8 J	348	47.5 J	25.4 R	32.6 J	154 J	22.5 R
Beryllium	ug/l	1.2 U	2.4 J	1.6 R	1.1 U R	0.3 U	2 R	1.1 U R
Cadmium	ug/l	3 U	3.1 U	2.9 U	3 U	3.1 U	2.9 U	3 U
Calcium	ug/l	183000	279000	94100	91900	92100	121000	106000
Chromium	ug/l	6.1 U	58.9	6.2 U	6.4 R	2 U	16.7 R	6.2 U R
Cobalt	ug/l	19.8 U	26 J	20 U	20.3 U	5 U	19.9 U	20.4 U
Copper	ug/l	15.2 J	69.5	14.5 U	10.1 U	1.9 U	30	10.1 U
Iron	ug/l	17 U	58000	2720	6.9 U R	39.7 R	19100	7 U R
Lead	ug/l	1.2 U	35.7	1.8 J	1.2 U	0.9 U	14.1	1.2 U
Magnesium	ug/l	54500	80300	12200	12800	12900	18800	15400
Manganese	ug/l	105	949	232 J	198	10.1 J	239 J	29.6
Mercury	ug/l	0.03 U	0.15 J	0.15 R	0.15 R	0.06 U	0.17 R	0.17 R
Nickel	ug/l	15.9 U	98	16 U	14.7 U	3.5 U	33.2 J	14.7 U
Potassium	ug/l	4660 J	8450	3050 J	2530 J	1370 J	4250 J	541 J
Selenium	ug/l	1.1 J	1.1 U	1 U	1.2 J	1.2 J	4.4 J	3.6 J
Silver	ug/l	9 U	3.2 U	9.1 U	3.4 U	3.2 U	9.1 U	3.4 U
Sodium	ug/l	112000	80100	18400	17900	21500	4400 J	4330 J
Thallium	ug/l	3.2 U	2.6 U	3.2 U	3.2 U	2.6 U	3.2 U	3.2 U
Vanadium	ug/l	30.3 U	57.5	30.6 U	9.4 U	2.1 U	30.5 U	9.4 U
Zinc	ug/l	67.4	627	15.1 R	8.4 U	4 R	67.8	9.1 J
Cyanide	ug/l		10 U	10 U J		10 U	10 U J	

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	UNITS	PHASE II WATER OB 03/09/93 MW-22 179815	PHASE I WATER MW-23 01/14/92 MW-23 152491	PHASE I WATER MW-23 01/14/92 MW-23 Filt. 152499	PHASE II WATER OB 03/08/93 MW-23 179725	PHASE I WATER MW-23 01/14/92 MW-23RE 152491R1	PHASE I WATER MW-24 01/15/92 MW-24 152585	PHASE I WATER MW-24 01/15/92 MW-24 Filt. 152601
Volatile Organic Compounds								
Chloromethane	ug/L	0.5 U	10 U J		0.5 U	10 U J	10 U	
Bromomethane	ug/L	0.5 U	10 U J		0.5 U	10 U J	10 U	
Vinyl Chloride	ug/L	0.5 U	10 U J		0.5 U	10 U J	10 U	
Chloroethane	ug/L	0.5 U	10 U J		0.5 U	10 U J	10 U	
Methylene Chloride	ug/L	0.5 U	5 U J		0.5 U	5 U J	5 U	
Acetone	ug/L	5 U	10 U J		5 U	10 U J	10 U	
Carbon Disulfide	ug/L	0.5 U	5 U J		0.5 U	5 U J	5 U	
1,1-Dichloroethene	ug/L	0.5 U	5 U J		0.5 U	5 U J	5 U	
1,1-Dichloroethane	ug/L	0.5 U	5 U J		0.5 U	5 U J	5 U	
trans-1,2-Dichloroethene	ug/L	0.5 U			0.5 U			
cis-1,2-Dichloroethene	ug/L	0.5 U			0.5 U			
1,2-Dichloroethene (total)	ug/L		5 U J			5 U J	5 U	
Chloroform	ug/L	0.5 U	5 U J		0.5 U	5 U J	5 U	
1,2-Dichloroethane	ug/L	0.5 U	5 U J		0.5 U	5 U J	5 U	
2-Butanone	ug/L	5 U	10 U J		5 U	10 U J	10 U	
1,1,1-Trichloroethane	ug/L	0.5 U	5 U J		0.5 U	5 U J	5 U	
Carbon Tetrachloride	ug/L	0.5 U	5 U J		0.5 U	5 U J	5 U	
Vinyl Acetate	ug/L		10 U J			10 U J	10 U	
Bromodichloromethane	ug/L	0.5 U	5 U J		0.5 U	5 U J	5 U	
1,2-Dichloropropane	ug/L	0.5 U	5 U J		0.5 U	5 U J	5 U	
cis-1,3-Dichloropropene	ug/L	0.5 U	5 U J		0.5 U	5 U J	5 U	
Trichloroethene	ug/L	0.5 U	5 U J		0.5 U	5 U J	5 U	
Dibromochloromethane	ug/L	0.5 U	5 U J		0.5 U	5 U J	5 U	
1,1,2-Trichloroethane	ug/L	0.5 U	5 U J		0.5 U	5 U J	5 U	
Benzene	ug/L	0.5 U	5 U J		0.5 U	5 U J	5 U	
trans-1,3-Dichloropropene	ug/L	0.5 U	5 U J		0.5 U	5 U J	5 U	
Bromoform	ug/L	0.5 U	5 U J		0.5 U	5 U J	5 U	
4-Methyl-2-Pentanone	ug/L	5 U	10 U J		5 U	10 U J	10 U	
2-Hexanone	ug/L	5 U	10 U J		5 U	10 U J	10 U	
Tetrachloroethene	ug/L	0.5 U	5 U J		0.5 U	5 U J	5 U	
1,1,2,2-Tetrachloroethane	ug/L	0.5 U	5 U J		0.5 U	5 U J	5 U	
Toluene	ug/L	0.5 U	5 U J		0.5 U	5 U J	5 U	
Chlorobenzene	ug/L	0.5 U	5 U J		0.5 U	5 U J	5 U	
Ethylbenzene	ug/L	0.5 U	5 U J		0.5 U	5 U J	5 U	
Styrene	ug/L	0.5 U	5 U J		0.5 U	5 U J	5 U	
Xylene (total)	ug/L	0.5 U	5 U J		0.5 U	5 U J	5 U	
Dichlorodifluoromethane	ug/L	0.5 U			0.5 U			
Trichlorofluoromethane	ug/L	0.5 U			0.5 U			
2,2-Dichloropropane	ug/L	0.5 U			0.5 U			
Bromochloromethane	ug/L	0.5 U			0.5 U			
1,1-Dichloropropene	ug/L	0.5 U			0.5 U			
Dibromomethane	ug/L	0.5 U			0.5 U			
1,3-Dichloropropane	ug/L	0.5 U			0.5 U			
1,2-Dibromoethane	ug/L	0.5 U			0.5 U			
1,1,1,2-Tetrachloroethane	ug/L	0.5 U			0.5 U			
Isopropylbenzene	ug/L	0.5 U			0.5 U			
Bromobenzene	ug/L	0.5 U			0.5 U			
1,2,3-Trichloropropane	ug/L	0.5 U			0.5 U			
n-Propylbenzene	ug/L	0.5 U			0.5 U			
2-Chlorotoluene	ug/L	0.5 U			0.5 U			
4-Chlorotoluene	ug/L	0.5 U			0.5 U			
1,3,5-Trimethylbenzene	ug/L	0.5 U			0.5 U			
tert-Butylbenzene	ug/L	0.5 U			0.5 U			
1,2,4-Trimethylbenzene	ug/L	0.5 U			0.5 U			
sec-Butylbenzene	ug/L	0.5 U			0.5 U			
1,3-Dichlorobenzene	ug/L	0.5 U			0.5 U			
1,4-Dichlorobenzene	ug/L	0.5 U			0.5 U			
p-Isopropyltoluene	ug/L	0.5 U			0.5 U			
1,2-Dichlorobenzene	ug/L	0.5 U			0.5 U			
n-Butylbenzene	ug/L	0.5 U			0.5 U			
1,2-Dibromo-3-Chloropropane	ug/L	0.5 U			0.5 U			
1,2,4-Trichlorobenzene	ug/L	0.5 U			0.5 U			
Hexachlorobutadiene	ug/L	0.5 U			0.5 U			
Naphthalene	ug/L	0.5 U			0.5 U			
1,2,3-Trichlorobenzene	ug/L	0.5 U			0.5 U			

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX LOCATION DATE ES ID LAB ID UNITS	PHASE II WATER OB 03/09/93 MW-22 179815	PHASE I WATER MW-23 01/14/92 MW-23 152491	PHASE I WATER MW-23 01/14/92 MW-23 Filt 152499	PHASE II WATER OB 03/08/93 MW-23 179725	PHASE I WATER MW-23 01/14/92 MW-23RE 152491R1	PHASE I WATER MW-24 01/15/92 MW-24 152585	PHASE I WATER MW-24 01/15/92 MW-24 Filt 152601
Semivolatiles								
Phenol	ug/L	10 U	11 U		10 U		11 U	
bis(2-Chloroethyl) ether	ug/L	10 U	11 U		10 U		11 U	
2-Chlorophenol	ug/L	10 U	11 U		10 U		11 U	
1,3-Dichlorobenzene	ug/L	10 U	11 U		10 U		11 U	
1,4-Dichlorobenzene	ug/L	10 U	11 U		10 U		11 U	
Benzyl Alcohol	ug/L		11 U				11 U	
1,2-Dichlorobenzene	ug/L	10 U	11 U		10 U		11 U	
2-Methylphenol	ug/L	10 U	11 U		10 U		11 U	
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	11 U		10 U		11 U	
4-Methylphenol	ug/L	10 U	11 U		10 U		11 U	
N-Nitroso-di-n-propylamine	ug/L	10 U	11 U		10 U		11 U	
Hexachloroethane	ug/L	10 U	11 U		10 U		11 U	
Nitrobenzene	ug/L	10 U	11 U		10 U		11 U	
Isophorone	ug/L	10 U	11 U		10 U		11 U	
2-Nitrophenol	ug/L	10 U	11 U		10 U		11 U	
2,4-Dimethylphenol	ug/L	10 U	11 U		10 U		11 U	
Benzoic acid	ug/L		55 U				55 U	
bis(2-Chloroethoxy) methane	ug/L	10 U	11 U		10 U		11 U	
2,4-Dichlorophenol	ug/L	10 U	11 U		10 U		11 U	
1,2,4-Trichlorobenzene	ug/L	10 U	11 U		10 U		11 U	
Naphthalene	ug/L	10 U	11 U		10 U		11 U	
4-Chloroaniline	ug/L	10 U	11 U		10 U		11 U	
Hexachlorobutadiene	ug/L	10 U	11 U		10 U		11 U	
4-Chloro-3-methylphenol	ug/L	10 U	11 U		10 U		11 U	
2-Methylnaphthalene	ug/L	10 U	11 U		10 U		11 U	
Hexachlorocyclopentadiene	ug/L	10 U	11 U		10 U		11 U	
2,4,6-Trichlorophenol	ug/L	10 U	11 U		10 U		11 U	
2,4,5-Trichlorophenol	ug/L	25 U	55 U		25 U		55 U	
2-Chloronaphthalene	ug/L	10 U	11 U		10 U		11 U	
2-Nitroaniline	ug/L	25 U	55 U		25 U		55 U	
Dimethylphthalate	ug/L	10 U	11 U		10 U		11 U	
Acenaphthylene	ug/L	10 U	11 U		10 U		11 U	
2,6-Dinitrotoluene	ug/L	10 U	11 U		10 U		11 U	
3-Nitroaniline	ug/L	25 U	55 U		25 U		55 U	
Acenaphthene	ug/L	10 U	11 U		10 U		11 U	
2,4-Dinitrophenol	ug/L	25 U	55 U		25 U		55 U	
4-Nitrophenol	ug/L	25 U	55 U		25 U		55 U	
Dibenzofuran	ug/L	10 U	11 U		10 U		11 U	
2,4-Dinitrotoluene	ug/L	10 U	11 U		10 U		11 U	
Diethylphthalate	ug/L	10 U	11 U		10 U		11 U	
4-Chlorophenyl-phenylether	ug/L	10 U	11 U		10 U		11 U	
Fluorene	ug/L	10 U	11 U		10 U		11 U	
4-Nitroaniline	ug/L	25 U	55 U		25 U		55 U	
4,6-Dinitro-2-methylphenol	ug/L	25 U	55 U		25 U		55 U	
N-Nitrosodiphenylamine	ug/L	10 U	11 U		10 U		11 U	
4-Bromophenyl-phenylether	ug/L	10 U	11 U		10 U		11 U	
Hexachlorobenzene	ug/L	10 U	11 U		10 U		11 U	
Pentachlorophenol	ug/L	25 U	55 U		25 U		55 U	
Phenanthrene	ug/L	10 U	11 U		10 U		11 U	
Anthracene	ug/L	10 U	11 U		10 U		11 U	
Carbazole	ug/L	10 U			10 U			
Di-n-butylphthalate	ug/L	10 U	11 U		10 U		11 U	
Fluoranthene	ug/L	10 U	11 U		10 U		11 U	
Pyrene	ug/L	10 U	11 U		10 U		11 U	
Butylbenzylphthalate	ug/L	10 U	11 U		10 U		11 U	
3,3'-Dichlorobenzidine	ug/L	10 U	22 U		10 U		22 U	
Benzo(a)anthracene	ug/L	10 U	11 U		10 U		11 U	
Chrysene	ug/L	10 U	11 U		10 U		11 U	
bis(2-Ethylhexyl)phthalate	ug/L	10 U	11 U		10 U		11 U	
Di-n-octylphthalate	ug/L	10 U	11 U		10 U		11 U	
Benzo(b)fluoranthene	ug/L	10 U	11 U		10 U		11 U	
Benzo(k)fluoranthene	ug/L	10 U	11 U		10 U		11 U	
Benzo(a)pyrene	ug/L	10 U	11 U		10 U		11 U	
Indeno(1,2,3-cd)pyrene	ug/L	10 U	11 U		10 U		11 U	
Dibenz(a,h)anthracene	ug/L	10 U	11 U		10 U		11 U	
Benzo(g,h,i)perylene	ug/L	10 U	11 U		10 U		11 U	

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX	PHASE II WATER	PHASE I WATER	PHASE I WATER	PHASE II WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER
	LOCATION	OB	MW-23	MW-23	OB	MW-23	MW-24	MW-24
	DATE	03/09/93	01/14/92	01/14/92	03/08/93	01/14/92	01/15/92	01/15/92
	ES ID	MW-22	MW-23	MW-23 Filt	MW-23	MW-23RE	MW-24	MW-24 Filt
	LAB ID	179815	152491	152499	179725	152491R1	152585	152601
	UNITS							
Pesticides/PCBs								
alpha-BHC	ug/L	0.051 U	0.056 U		0.05 U		0.052 U	
beta-BHC	ug/L	0.051 U	0.056 U		0.05 U		0.052 U	
delta-BHC	ug/L	0.051 U	0.056 U		0.05 U		0.052 U	
gamma-BHC (Lindane)	ug/L	0.051 U	0.056 U		0.05 U		0.052 U	
Heptachlor	ug/L	0.051 U	0.056 U		0.05 U		0.052 U	
Aldrin	ug/L	0.051 U	0.056 U		0.05 U		0.052 U	
Heptachlor epoxide	ug/L	0.051 U	0.056 U		0.05 U		0.052 U	
Endosulfan I	ug/L	0.051 U	0.056 U		0.05 U		0.052 U	
Dieldrin	ug/L	0.1 U	0.11 U		0.1 U		0.1 U	
4,4'-DDE	ug/L	0.1 U	0.11 U		0.1 U		0.1 U	
Endrin	ug/L	0.1 U	0.11 U		0.1 U		0.1 U	
Endosulfan II	ug/L	0.1 U	0.11 U		0.1 U		0.1 U	
4,4'-DDD	ug/L	0.1 U	0.11 U		0.1 U		0.1 U	
Endosulfan sulfate	ug/L	0.1 U	0.11 U		0.1 U		0.1 U	
4,4'-DDT	ug/L	0.1 U	0.11 U		0.1 U		0.1 U	
Methoxychlor	ug/L	0.51 U	0.56 U		0.5 U		0.52 U	
Endrin ketone	ug/L	0.1 U	0.11 U		0.1 U		0.1 U	
Endrin aldehyde	ug/L	0.1 U			0.1 U			
alpha-Chlordane	ug/L	0.051 U	0.56 U		0.05 U		0.52 U	
gamma-Chlordane	ug/L	0.051 U	0.56 U		0.05 U		0.52 U	
Toxaphene	ug/L	5.1 U	1.1 U		5 U		1 U	
Aroclor-1016	ug/L	1 U	0.56 U		1 U		0.52 U	
Aroclor-1221	ug/L	2 U	0.56 U		2 U		0.52 U	
Aroclor-1232	ug/L	1 U	0.56 U		1 U		0.52 U	
Aroclor-1242	ug/L	1 U	0.56 U		1 U		0.52 U	
Aroclor-1248	ug/L	1 U	0.56 U		1 U		0.52 U	
Aroclor-1254	ug/L	1 U	1.1 U		1 U		1 U	
Aroclor-1260	ug/L	1 U	1.1 U		1 U		1 U	
Explosives								
HMX	ug/L	0.12 U	1 U		0.12 U		1 U	
RDX	ug/L	0.12 U	0.12 U		0.12 U		0.12 U	
1,3,5-Trinitrobenzene	ug/L	0.12 U	0.12 U		0.12 U		0.12 U	
1,3-Dinitrobenzene	ug/L	0.12 U	0.12 U		0.12 U		0.12 U	
Tetryl	ug/L	0.12 U	0.4 U		0.12 U		0.4 U	
2,4,6-Trinitrotoluene	ug/L	0.12 U	0.12 U		0.12 U		0.21	
4-amino-2,6-Dinitrotoluene	ug/L	0.12 U	0.12 U		0.12 U		0.12 U	
2-amino-4,6-Dinitrotoluene	ug/L	0.12 U	0.12 U		0.12 U		0.12 U	
2,6-Dinitrotoluene	ug/L	0.12 U	0.12 U		0.12 U		0.12 U	
2,4-Dinitrotoluene	ug/L	0.12 U	0.12 U		0.12 U		0.12 U	

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX	PHASE II WATER	PHASE I WATER	PHASE I WATER	PHASE II WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER
	LOCATION	OB	MW-23	MW-23	OB	MW-23	MW-24	MW-24
	DATE	03/09/93	01/14/92	01/14/92	03/08/93	01/14/92	01/15/92	01/15/92
	ES ID	MW-22	MW-23	MW-23 Filt.	MW-23	MW-23RE	MW-24	MW-24 Filt.
	LAB ID	179815	152491	152499	179725	152491R1	152585	152601
	UNITS							
Metals								
Aluminum	ug/l	111 J	3350 J	24.5 U	98.2 J	23500	97.4 U	
Antimony	ug/l	54.1 U	53 U	53.2 U	53.9 U	53.1 U	52.9 U	
Arsenic	ug/l	1.7 U	3.5 U	3.5 U	1.7 U	3.5 U	3.5 U	
Barium	ug/l	37.1 J	104 J	44.2 R	36.6 J	507	96.5 J	
Beryllium	ug/l	0.3 U	1.1 U	1.4 R	0.3 U	1.2 R	1.2 U	
Cadmium	ug/l	3.1 U	3 U	3 U	3.1 U	6 R	3 U	
Calcium	ug/l	115000	126000	123000	154000	153000	156000	
Chromium	ug/l	2 U	6.2 U	6.2 U R	2 U	39.3	6.1	
Cobalt	ug/l	5 U	20.3 U	20.4 U	5 U	27.6 J	19.8 U	
Copper	ug/l	2.3 R	10.1 U	10.2 U	1.9 U	257	14.4 U	
Iron	ug/l	150 R	4960 J	7 U R	555	38900 J	16.9 U	
Lead	ug/l	0.9 U	5.2	1.2 U	0.89 U	275	1.2 U	
Magnesium	ug/l	16600	29000	25000	29500	57600	46300	
Manganese	ug/l	28.6	141	79.9	80.7	472	3.2 U	
Mercury	ug/l	0.06 U	0.16 R	0.16 R	0.06 U	0.31 R	0.04 J	
Nickel	ug/l	4.5 J	17.6 J	14.7 U	3.5 U	70.7	15.9 U	
Potassium	ug/l	446 U	2500 J	1260 J	808 J	6840	3120 J	
Selenium	ug/l	1.1 U	1 U	1.3 J	1.1 U	2.9 J	3.5 J	
Silver	ug/l	3.2 U	4.7 R	3.4 U	3.2 U	8.2 R	9 U	
Sodium	ug/l	4900 J	13900	134000	16100	39700	39900	
Thallium	ug/l	2.6 U	3.2 U	3.2 U	2.6 U	3.2 U	3.2 U	
Vanadium	ug/l	2.1 U	9.4 U	9.5 U	2.4 J	30.7 J	30.3 U	
Zinc	ug/l	7.4 R	18.4 R	8.5 U	5.3 R	423	13.4 U	
Cyanide	ug/l	10 U	10 U		10 U	10 U		

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX LOCATION DATE ES ID LAB ID UNITS	PHASE II WATER OB 03/03/93 MW-24 179544	PHASE II WATER OB 03/03/93 MW-24D 179545 DUP MW-24	PHASE I WATER MW-25 01/13/92 MW-25 152396	PHASE I WATER MW-25 01/13/92 MW-25 Flt 152415	PHASE II WATER OB 03/03/93 MW-25 179546	PHASE I WATER MW-27 01/15/92 MW-27 152586	PHASE I WATER MW-27 01/15/92 MW-27 Flt 152602
Volatile Organic Compounds								
Chloromethane	ug/L	0.5 U	0.5 U	10 U		0.5 U	10 U	
Bromomethane	ug/L	0.5 U	0.5 U	10 U		0.5 U	10 U	
Vinyl Chloride	ug/L	0.5 U	0.5 U	10 U		0.5 U	10 U	
Chloroethane	ug/L	0.5 U	0.5 U	10 U		0.5 U	10 U	
Methylene Chloride	ug/L	0.5 U	0.5 U	5 U		0.5 U	5 U	
Acetone	ug/L	5 U	5 U	10 U		5 U	10 U	
Carbon Disulfide	ug/L	0.5 U	0.5 U	5 U		0.5 U	5 U	
1,1-Dichloroethene	ug/L	0.5 U	0.5 U	5 U		0.5 U	5 U	
1,1-Dichloroethane	ug/L	0.5 U	0.5 U	5 U		0.5 U	5 U	
trans-1,2-Dichloroethene	ug/L	0.5 U	0.5 U			0.5 U		
cis-1,2-Dichloroethene	ug/L	0.5 U	0.5 U			0.5 U		
1,2-Dichloroethene (total)	ug/L			5 U			5 U	
Chloroform	ug/L	0.5 U	0.5 U	5 U		0.5 U	5 U	
1,2-Dichloroethane	ug/L	0.5 U	0.5 U	5 U		0.5 U	5 U	
2-Butanone	ug/L	5 U	5 U	10 U		5 U	10 U	
1,1,1-Trichloroethane	ug/L	0.5 U	0.5 U	5 U		0.5 U	5 U	
Carbon Tetrachloride	ug/L	0.5 U	0.5 U	5 U		0.5 U	5 U	
Vinyl Acetate	ug/L			10 U			10 U	
Bromodichloromethane	ug/L	0.5 U	0.5 U	5 U		0.5 U	5 U	
1,2-Dichloropropane	ug/L	0.5 U	0.5 U	5 U		0.5 U	5 U	
cis-1,3-Dichloropropene	ug/L	0.5 U	0.5 U	5 U		0.5 U	5 U	
Trichloroethene	ug/L	0.5 U	0.5 U	5 U		0.5 U	5 U	
Dibromochloromethane	ug/L	0.5 U	0.5 U	5 U		0.5 U	5 U	
1,1,2-Trichloroethane	ug/L	0.5 U	0.5 U	5 U		0.5 U	5 U	
Benzene	ug/L	0.5 U	0.5 U	5 U		0.5 U	5 U	
trans-1,3-Dichloropropene	ug/L	0.5 U	0.5 U	5 U		0.5 U	5 U	
Bromoform	ug/L	0.5 U	0.5 U	5 U		0.5 U	5 U	
4-Methyl-2-Pentanone	ug/L	5 U	5 U	10 U		5 U	10 U	
2-Hexanone	ug/L	5 U	5 U	10 U		5 U	10 U	
Tetrachloroethene	ug/L	0.5 U	0.5 U	5 U		0.5 U	5 U	
1,1,2,2-Tetrachloroethane	ug/L	0.5 U	0.5 U	5 U		0.5 U	5 U	
Toluene	ug/L	0.5 U	0.5 U	5 U		0.5 U	5 U	
Chlorobenzene	ug/L	0.5 U	0.5 U	5 U		0.5 U	5 U	
Ethylbenzene	ug/L	0.5 U	0.5 U	5 U		0.5 U	5 U	
Styrene	ug/L	0.5 U	0.5 U	5 U		0.5 U	5 U	
Xylene (total)	ug/L	0.5 U	0.5 U	5 U		0.5 U	5 U	
Dichlorodifluoromethane	ug/L	0.5 U	0.5 U			0.5 U		
Trichlorofluoromethane	ug/L	0.5 U	0.5 U			0.5 U		
2,2-Dichloropropane	ug/L	0.5 U	0.5 U			0.5 U		
Bromochloromethane	ug/L	0.5 U	0.5 U			0.5 U		
1,1-Dichloropropene	ug/L	0.5 U	0.5 U			0.5 U		
Dibromomethane	ug/L	0.5 U	0.5 U			0.5 U		
1,3-Dichloropropane	ug/L	0.5 U	0.5 U			0.5 U		
1,2-Dibromoethane	ug/L	0.5 U	0.5 U			0.5 U		
1,1,1,2-Tetrachloroethane	ug/L	0.5 U	0.5 U			0.5 U		
Isopropylbenzene	ug/L	0.5 U	0.5 U			0.5 U		
Bromobenzene	ug/L	0.5 U	0.5 U			0.5 U		
1,2,3-Trichloropropane	ug/L	0.5 U	0.5 U			0.5 U		
n-Propylbenzene	ug/L	0.5 U	0.5 U			0.5 U		
2-Chlorotoluene	ug/L	0.5 U	0.5 U			0.5 U		
4-Chlorotoluene	ug/L	0.5 U	0.5 U			0.5 U		
1,3,5-Trimethylbenzene	ug/L	0.5 U	0.5 U			0.5 U		
tert-Butylbenzene	ug/L	0.5 U	0.5 U			0.5 U		
1,2,4-Trimethylbenzene	ug/L	0.5 U	0.5 U			0.5 U		
sec-Butylbenzene	ug/L	0.5 U	0.5 U			0.5 U		
1,3-Dichlorobenzene	ug/L	0.5 U	0.5 U			0.5 U		
1,4-Dichlorobenzene	ug/L	0.5 U	0.5 U			0.5 U		
p-Isopropyltoluene	ug/L	0.5 U	0.5 U			0.5 U		
1,2-Dichlorobenzene	ug/L	0.5 U	0.5 U			0.5 U		
n-Butylbenzene	ug/L	0.5 U	0.5 U			0.5 U		
1,2-Dibromo-3-Chloropropane	ug/L	0.5 U	0.5 U			0.5 U		
1,2,4-Trichlorobenzene	ug/L	0.5 U	0.5 U			0.5 U		
Hexachlorobutadiene	ug/L	0.5 U	0.5 U			0.5 U		
Naphthalene	ug/L	0.5 U	0.5 U			0.5 U		
1,2,3-Trichlorobenzene	ug/L	0.5 U	0.5 U			0.5 U		

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX	PHASE II	PHASE II	PHASE I	PHASE I	PHASE II	PHASE I	PHASE I
	LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	DATE	OB	OB	MW-25	MW-25	OB	MW-27	MW-27
	ES ID	03/03/93	03/03/93	01/13/92	01/13/92	03/03/93	01/15/92	01/15/92
	LAB ID	MW-24	MW-24D	MW-25	MW-25 Filt	MW-25	MW-27	MW-27 Filt
	UNITS	179544	179545	152396	152415	179546	152586	152602
			DUP MW-24					
Semivolatiles								
Phenol	ug/L	10 U	10 U	11 U		10 U	11 U	
bis(2-Chloroethyl) ether	ug/L	10 U	10 U	11 U		10 U	11 U	
2-Chlorophenol	ug/L	10 U	10 U	11 U		10 U	11 U	
1,3-Dichlorobenzene	ug/L	10 U	10 U	11 U		10 U	11 U	
1,4-Dichlorobenzene	ug/L	10 U	10 U	11 U		10 U	11 U	
Benzyl Alcohol	ug/L			11 U			11 U	
1,2-Dichlorobenzene	ug/L	10 U	10 U	11 U		10 U	11 U	
2-Methylphenol	ug/L	10 U	10 U	11 U		10 U	11 U	
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	10 U	11 U		10 U	11 U	
4-Methylphenol	ug/L	10 U	10 U	11 U		10 U	11 U	
N-Nitroso-di-n-propylamine	ug/L	10 U	10 U	11 U		10 U	11 U	
Hexachloroethane	ug/L	10 U	10 U	11 U		10 U	11 U	
Nitrobenzene	ug/L	10 U	10 U	11 U		10 U	11 U	
Isophorone	ug/L	10 U	10 U	11 U		10 U	11 U	
2-Nitrophenol	ug/L	10 U	10 U	11 U		10 U	11 U	
2,4-Dimethylphenol	ug/L	10 U	10 U	11 U		10 U	11 U	
Benzoic acid	ug/L			53 U			55 U	
bis(2-Chloroethoxy) methane	ug/L	10 U	10 U	11 U		10 U	11 U	
2,4-Dichlorophenol	ug/L	10 U	10 U	11 U		10 U	11 U	
1,2,4-Trichlorobenzene	ug/L	10 U	10 U	11 U		10 U	11 U	
Naphthalene	ug/L	10 U	10 U	11 U		10 U	11 U	
4-Chloroaniline	ug/L	10 U	10 U	11 U		10 U	11 U	
Hexachlorobutadiene	ug/L	10 U	10 U	11 U		10 U	11 U	
4-Chloro-3-methylphenol	ug/L	10 U	10 U	11 U		10 U	11 U	
2-Methylnaphthalene	ug/L	10 U	10 U	11 U		10 U	11 U	
Hexachlorocyclopentadiene	ug/L	10 U	10 U	11 U		10 U	11 U	
2,4,6-Trichlorophenol	ug/L	10 U	10 U	11 U		10 U	11 U	
2,4,5-Trichlorophenol	ug/L	25 U	25 U	53 U		25 U	55 U	
2-Chloronaphthalene	ug/L	10 U	10 U	11 U		10 U	11 U	
2-Nitroaniline	ug/L	25 U	25 U	53 U		25 U	55 U	
Dimethylphthalate	ug/L	10 U	10 U	11 U		10 U	11 U	
Acenaphthylene	ug/L	10 U	10 U	11 U		10 U	11 U	
2,6-Dinitrotoluene	ug/L	10 U	10 U	11 U		10 U	11 U	
3-Nitroaniline	ug/L	25 U	25 U	53 U		25 U	55 U	
Acenaphthene	ug/L	10 U	10 U	11 U		10 U	11 U	
2,4-Dinitrophenol	ug/L	25 U	25 U	53 U		25 U	55 U	
4-Nitrophenol	ug/L	25 U	25 U	53 U		25 U	55 U	
Dibenzofuran	ug/L	10 U	10 U	11 U		10 U	11 U	
2,4-Dinitrotoluene	ug/L	10 U	10 U	11 U		10 U	11 U	
Diethylphthalate	ug/L	10 U	10 U	11 U		10 U	11 U	
4-Chlorophenyl-phenylether	ug/L	10 U	10 U	11 U		10 U	11 U	
Fluorene	ug/L	10 U	10 U	11 U		10 U	11 U	
4-Nitroaniline	ug/L	25 U	25 U	53 U		25 U	55 U	
4,6-Dinitro-2-methylphenol	ug/L	25 U	25 U	53 U		25 U	55 U	
N-Nitrosodiphenylamine	ug/L	10 U	10 U	11 U		10 U	11 U	
4-Bromophenyl-phenylether	ug/L	10 U	10 U	11 U		10 U	11 U	
Hexachlorobenzene	ug/L	10 U	10 U	11 U		10 U	11 U	
Pentachlorophenol	ug/L	25 U	25 U	53 U		25 U	55 U	
Phenanthrene	ug/L	10 U	10 U	11 U		10 U	11 U	
Anthracene	ug/L	10 U	10 U	11 U		10 U	11 U	
Carbazole	ug/L	10 U	10 U			10 U		
Di-n-butylphthalate	ug/L	10 U	10 U	11 U		10 U	11 U	
Fluoranthene	ug/L	10 U	10 U	11 U		10 U	11 U	
Pyrene	ug/L	10 U	10 U	11 U		10 U	11 U	
Butylbenzylphthalate	ug/L	10 U	10 U	11 U		10 U	11 U	
3,3'-Dichlorobenzidine	ug/L	10 U	10 U	21 U		10 U	22 U	
Benzo(a)anthracene	ug/L	10 U	10 U	11 U		10 U	11 U	
Chrysene	ug/L	10 U	10 U	11 U		10 U	11 U	
bis(2-Ethylhexyl)phthalate	ug/L	13 U	10 U	11 U		10 U	11 U	
Di-n-octylphthalate	ug/L	10 U	10 U	11 U		10 U	11 U	
Benzo(b)fluoranthene	ug/L	10 U	10 U	11 U		10 U	11 U	
Benzo(k)fluoranthene	ug/L	10 U	10 U	11 U		10 U	11 U	
Benzo(a)pyrene	ug/L	10 U	10 U	11 U		10 U	11 U	
Indeno(1,2,3-cd)pyrene	ug/L	10 U	10 U	11 U		10 U	11 U	
Dibenz(a,h)anthracene	ug/L	10 U	10 U	11 U		10 U	11 U	
Benzo(g,h,i)perylene	ug/L	10 U	10 U	11 U		10 U	11 U	

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX LOCATION DATE ES ID LAB ID UNITS	PHASE II WATER OB 03/03/93 MW-24 179544	PHASE II WATER OB 03/03/93 MW-24D 179545 DUP MW-24	PHASE I WATER MW-25 01/13/92 MW-25 152396	PHASE I WATER MW-25 01/13/92 MW-25 Filt 152415	PHASE II WATER OB 03/03/93 MW-25 179546	PHASE I WATER MW-27 01/15/92 MW-27 152586	PHASE I WATER MW-27 01/15/92 MW-27 Filt 152602
Pesticides/PCBs								
alpha-BHC	ug/L	0.057 U	0.05 U	0.053 U		0.05 U	0.053 U	
beta-BHC	ug/L	0.057 U	0.05 U	0.053 U		0.05 U	0.053 U	
delta-BHC	ug/L	0.057 U	0.05 U	0.053 U		0.05 U	0.053 U	
gamma-BHC (Lindane)	ug/L	0.057 U	0.05 U	0.053 U		0.05 U	0.053 U	
Heptachlor	ug/L	0.057 U	0.05 U	0.053 U		0.05 U	0.053 U	
Aldrin	ug/L	0.057 U	0.05 U	0.053 U		0.05 U	0.053 U	
Heptachlor epoxide	ug/L	0.057 U	0.05 U	0.053 U		0.05 U	0.053 U	
Endosulfan I	ug/L	0.057 U	0.05 U	0.053 U		0.05 U	0.053 U	
Dieldrin	ug/L	0.11 U	0.1 U	0.11 U		0.1 U	0.11 U	
4,4'-DDE	ug/L	0.11 U	0.1 U	0.11 U		0.1 U	0.11 U	
Endrin	ug/L	0.11 U	0.1 U	0.11 U		0.1 U	0.11 U	
Endosulfan II	ug/L	0.11 U	0.1 U	0.11 U		0.1 U	0.11 U	
4,4'-DDD	ug/L	0.11 U	0.1 U	0.11 U		0.1 U	0.11 U	
Endosulfan sulfate	ug/L	0.11 U	0.1 U	0.11 U		0.1 U	0.11 U	
4,4'-DDT	ug/L	0.11 U	0.1 U	0.11 U		0.1 U	0.11 U	
Methoxychlor	ug/L	0.57 U	0.5 U	0.53 U		0.5 U	0.53 U	
Endrin ketone	ug/L	0.11 U	0.1 U	0.11 U		0.1 U	0.11 U	
Endrin aldehyde	ug/L	0.11 U	0.1 U			0.1 U		
alpha-Chlordane	ug/L	0.057 U	0.05 U	0.53 U		0.05 U	0.53 U	
gamma-Chlordane	ug/L	0.057 U	0.05 U	0.53 U		0.05 U	0.53 U	
Toxaphene	ug/L	5.7 U	5 U	1.1 U		5 U	1.1 U	
Aroclor-1016	ug/L	1.1 U	1 U	0.53 U		1 U	0.53 U	
Aroclor-1221	ug/L	2.3 U	2 U	0.53 U		2 U	0.53 U	
Aroclor-1232	ug/L	1.1 U	1 U	0.53 U		1 U	0.53 U	
Aroclor-1242	ug/L	1.1 U	1 U	0.53 U		1 U	0.53 U	
Aroclor-1248	ug/L	1.1 U	1 U	0.53 U		1 U	0.53 U	
Aroclor-1254	ug/L	1.1 U	1 U	1.1 U		1 U	1.1 U	
Aroclor-1260	ug/L	1.1 U	1 U	1.1 U		1 U	1.1 U	
Explosives								
HMX	ug/L	0.12 U	0.12 U	1 U		0.12 U	1 U	
RDX	ug/L	0.12 U	0.12 U	0.12 U		0.12 U	0.12 U	
1,3,5-Trinitrobenzene	ug/L	0.12 U	0.12 U	0.12 U		0.12 U	0.12 U	
1,3-Dinitrobenzene	ug/L	0.12 U	0.12 U	0.12 U		0.12 U	0.12 U	
Tetryl	ug/L	0.12 U	0.12 U	0.4 U		0.12 U	0.4 U	
2,4,6-Trinitrotoluene	ug/L	0.12 U	0.12 U	0.12 U		0.12 U	0.12 U	
4-amino-2,6-Dinitrotoluene	ug/L	0.12 U	0.12 U	0.12 U		0.12 U	0.12 U	
2-amino-4,6-Dinitrotoluene	ug/L	0.12 U	0.12 U	0.12 U		0.12 U	0.12 U	
2,6-Dinitrotoluene	ug/L	0.12 U	0.12 U	0.12 U		0.12 U	0.12 U	
2,4-Dinitrotoluene	ug/L	0.12 U	0.12 U	0.12 U		0.12 U	0.12 U	

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX	PHASE II WATER	PHASE II WATER	PHASE I WATER	PHASE I WATER	PHASE II WATER	PHASE I WATER	PHASE I WATER
	LOCATION	OB	OB	MW-25	MW-25	OB	MW-27	MW-27
	DATE	03/03/93	03/03/93	01/13/92	01/13/92	03/03/93	01/15/92	01/15/92
	ES ID	MW-24	MW-24D	MW-25	MW-25 Filt	MW-25	MW-27	MW-27 Filt
	LAB ID	179544	179545	152396	152415	179546	152586	152602
	UNITS		DUP MW-24					
Metals								
Aluminum	ug/l	508	484	15200	24.5 U	622	68400	98.1 U
Antimony	ug/l	53.9 U	54 U	55.4 U	53.2 U	53.6 U	53.2 U	53.3 U
Arsenic	ug/l	1.7 U	1.7 U	3.5 U	3.5 U	1.7 U	11.5	3.5 U
Barium	ug/l	93.5 J	90.5 J	206	36.5 R	56.7 J	734	75.5 J
Beryllium	ug/l	0.3 U	0.3 U	2.2 R	1.1 U R	0.3 U	2.8 R	1.2 U
Cadmium	ug/l	3.1 U	3.1 U	2.9 U	3 U	3.1 U	14.1 R	3 U
Calcium	ug/l	155000	152000	130000	106000	86900	208000	97400
Chromium	ug/l	2 U	2 U	18 R	6.2 U R	2 U	118	6.2 U
Cobalt	ug/l	5 U	5 U	19.8 U	20.4 U	5 U	58.1	20 U
Copper	ug/l	2.8 J	2.8 J	19.3 J	10.2 U	1.9 U	128	16.1 J
Iron	ug/l	659	676	23000	7 U R	701	127000 J	17.1 U
Lead	ug/l	2.5 J	2.8 J	18	1.2 U	0.9 U	118	1.2 U
Magnesium	ug/l	56000	54900	25000	18600	16400	93800	60700
Manganese	ug/l	8.8 J	11.3 J	281 J	34.3	28.7	1470 J	93.7
Mercury	ug/l	0.06 U	0.06 U	0.19 R	0.15 R	0.06 U	0.24 R	0.03 U
Nickel	ug/l	4.4 J	3.5 U	28.4 J	14.8 U	3.5 U	196	16 U
Potassium	ug/l	3660 J	3560 J	4400 J	658 J	921 J	18100	8440
Selenium	ug/l	1.4 J	1.6 J	1.9 J	1 U	1.1 U	5 U	3.4 J
Silver	ug/l	3.2 U	3.2 U	9 U	3.4 U	3.2 U	5.2 R	9.1 U
Sodium	ug/l	39700	38800	3900 J	3760 J	2860 J	17900	18300
Thallium	ug/l	2.6 U	2.6 U	3.2 U	3.2 U	2.6 U	3.2 U	3.2 U
Vanadium	ug/l	2.1 U	2.1 U	30.3 U	9.5 U	2.3 J	107	30.5 U
Zinc	ug/l	18.9 R	9.7 R	55.3	8.5 U	5.5 R	274	13.5 U
Cyanide	ug/l	10 U	10 U	10 U J		10 U	10 U J	

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX	PHASE II	PHASE I	PHASE I	PHASE II	PHASE I	PHASE I	PHASE II
	LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	DATE	OB	MW-28	MW-28	OB	MW-29	MW-29	OB
	ES ID	03/08/93	01/14/92	01/14/92	03/02/93	01/14/92	01/14/92	03/02/93
	LAB ID	MW-27	MW-28	MW-28 Filt.	MW-28	MW-29	MW-29 Filt.	MW-29
	UNITS	179726	152492	152500	179509	152493	152501	179510
Volatile Organic Compounds								
Chloromethane	ug/L	0.5 U	10 U		0.5 U	10 U		0.5 U
Bromomethane	ug/L	0.5 U	10 U		0.5 U	10 U		0.5 U
Vinyl Chloride	ug/L	0.5 U	10 U		0.5 U	10 U		0.5 U
Chloroethane	ug/L	0.5 U	10 U		0.5 U	10 U		0.5 U
Methylene Chloride	ug/L	0.5 U	5 U		0.5 U	5 U		0.5 U
Acetone	ug/L	5 U	10 U		15	10 U		5 U
Carbon Disulfide	ug/L	0.5 U	5 U		0.5 U	5 U		0.5 U
1,1-Dichloroethene	ug/L	0.5 U	5 U		0.5 U	5 U		0.5 U
1,1-Dichloroethane	ug/L	0.5 U	5 U		0.5 U	5 U		0.5 U
trans-1,2-Dichloroethene	ug/L	0.5 U			0.5 U			0.5 U
cis-1,2-Dichloroethene	ug/L	0.5 U			0.5 U			0.5 U
1,2-Dichloroethene (total)	ug/L		5 U			5 U		
Chloroform	ug/L	0.5 U	5 U		0.5 U	5 U		0.5 U
1,2-Dichloroethane	ug/L	0.5 U	5 U		0.5 U	5 U		0.5 U
2-Butanone	ug/L	5 U	10 U		5 U	10 U		5 U
1,1,1-Trichloroethane	ug/L	0.5 U	5 U		0.5 U	5 U		0.5 U
Carbon Tetrachloride	ug/L	0.5 U	5 U		0.5 U	5 U		0.5 U
Vinyl Acetate	ug/L		10 U			10 U		
Bromodichloromethane	ug/L	0.5 U	5 U		0.5 U	5 U		0.5 U
1,2-Dichloropropane	ug/L	0.5 U	5 U		0.5 U	5 U		0.5 U
cis-1,3-Dichloropropene	ug/L	0.5 U	5 U		0.5 U	5 U		0.5 U
Trichloroethene	ug/L	0.5 U	5 U		0.5 U	5 U		0.5 U
Dibromochloromethane	ug/L	0.5 U	5 U		0.5 U	5 U		0.5 U
1,1,2-Trichloroethane	ug/L	0.5 U	5 U		0.5 U	5 U		0.5 U
Benzene	ug/L	0.5 U	5 U		0.5 U	5 U		0.5 U
trans-1,3-Dichloropropene	ug/L	0.5 U	5 U		0.5 U	5 U		0.5 U
Bromoform	ug/L	0.5 U	5 U		0.5 U	5 U		0.5 U
4-Methyl-2-Pentanone	ug/L	5 U	10 U		5 U	10 U		5 U
2-Hexanone	ug/L	5 U	10 U		5 U	10 U		5 U
Tetrachloroethene	ug/L	0.5 U	5 U		0.5 U	5 U		0.5 U
1,1,2,2-Tetrachloroethane	ug/L	0.5 U	5 U		0.5 U	5 U		0.5 U
Toluene	ug/L	0.5 U	5 U		0.5 U	5 U		0.5 U
Chlorobenzene	ug/L	0.5 U	5 U		0.5 U	5 U		0.5 U
Ethylbenzene	ug/L	0.5 U	5 U		0.5 U	5 U		0.5 U
Styrene	ug/L	0.5 U	5 U		0.5 U	5 U		0.5 U
Xylene (total)	ug/L	0.5 U	5 U		0.5 U	5 U		0.5 U
Dichlorodifluoromethane	ug/L	0.5 U			0.5 U			0.5 U
Trichlorofluoromethane	ug/L	0.5 U			0.5 U			0.5 U
2,2-Dichloropropane	ug/L	0.5 U			0.5 U			0.5 U
Bromochloromethane	ug/L	0.5 U			0.5 U			0.5 U
1,1-Dichloropropene	ug/L	0.5 U			0.5 U			0.5 U
Dibromomethane	ug/L	0.5 U			0.5 U			0.5 U
1,3-Dichloropropane	ug/L	0.5 U			0.5 U			0.5 U
1,2-Dibromoethane	ug/L	0.5 U			0.5 U			0.5 U
1,1,1,2-Tetrachloroethane	ug/L	0.5 U			0.5 U			0.5 U
Isopropylbenzene	ug/L	0.5 U			0.5 U			0.5 U
Bromobenzene	ug/L	0.5 U			0.5 U			0.5 U
1,2,3-Trichloropropane	ug/L	0.5 U			0.5 U			0.5 U
n-Propylbenzene	ug/L	0.5 U			0.5 U			0.5 U
2-Chlorotoluene	ug/L	0.5 U			0.5 U			0.5 U
4-Chlorotoluene	ug/L	0.5 U			0.5 U			0.5 U
1,3,5-Trimethylbenzene	ug/L	0.5 U			0.5 U			0.5 U
tert-Butylbenzene	ug/L	0.5 U			0.5 U			0.5 U
1,2,4-Trimethylbenzene	ug/L	0.5 U			0.5 U			0.5 U
sec-Butylbenzene	ug/L	0.5 U			0.5 U			0.5 U
1,3-Dichlorobenzene	ug/L	0.5 U			0.5 U			0.5 U
1,4-Dichlorobenzene	ug/L	0.5 U			0.5 U			0.5 U
p-Isopropyltoluene	ug/L	0.5 U			0.5 U			0.5 U
1,2-Dichlorobenzene	ug/L	0.5 U			0.5 U			0.5 U
n-Butylbenzene	ug/L	0.5 U			0.5 U			0.5 U
1,2-Dibromo-3-Chloropropane	ug/L	0.5 U			0.5 U			0.5 U
1,2,4-Trichlorobenzene	ug/L	0.5 U			0.5 U			0.5 U
Hexachlorobutadiene	ug/L	0.5 U			0.5 U			0.5 U
Naphthalene	ug/L	0.5 U			0.5 U			0.5 U
1,2,3-Trichlorobenzene	ug/L	0.5 U			0.5 U			0.5 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX	PHASE II	PHASE I	PHASE I	PHASE II	PHASE I	PHASE I	PHASE II
	LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	DATE	OB	MW-28	MW-28	OB	MW-29	MW-29	OB
	ES ID	03/08/93	01/14/92	01/14/92	03/02/93	01/14/92	01/14/92	03/02/93
	LAB ID	MW-27	MW-28	MW-28 Filt.	MW-28	MW-29	MW-29 Filt.	MW-29
	UNITS	179726	152492	152500	179509	152493	152501	179510
Semivolatiles								
Phenol	ug/L	10 U	10 U		10 U	11 U		10 U
bis(2-Chloroethyl) ether	ug/L	10 U	10 U		10 U	11 U		10 U
2-Chlorophenol	ug/L	10 U	10 U		10 U	11 U		10 U
1,3-Dichlorobenzene	ug/L	10 U	10 U		10 U	11 U		10 U
1,4-Dichlorobenzene	ug/L	10 U	10 U		10 U	11 U		10 U
Benzyl Alcohol	ug/L		10 U			11 U		
1,2-Dichlorobenzene	ug/L	10 U	10 U		10 U	11 U		10 U
2-Methylphenol	ug/L	10 U	10 U		10 U	11 U		10 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	10 U		10 U	11 U		10 U
4-Methylphenol	ug/L	10 U	10 U		10 U	11 U		10 U
N-Nitroso-di-n-propylamine	ug/L	10 U	10 U		10 U	11 U		10 U
Hexachloroethane	ug/L	10 U	10 U		10 U	11 U		10 U
Nitrobenzene	ug/L	10 U	10 U		10 U	11 U		10 U
Isophorone	ug/L	10 U	10 U		10 U	11 U		10 U
2-Nitrophenol	ug/L	10 U	10 U		10 U	11 U		10 U
2,4-Dimethylphenol	ug/L	10 U	10 U		10 U	11 U		10 U
Benzoic acid	ug/L		50 U			54 U		
bis(2-Chloroethoxy) methane	ug/L	10 U	10 U		10 U	11 U		10 U
2,4-Dichlorophenol	ug/L	10 U	10 U		10 U	11 U		10 U
1,2,4-Trichlorobenzene	ug/L	10 U	10 U		10 U	11 U		10 U
Naphthalene	ug/L	10 U	10 U		10 U	11 U		10 U
4-Chloroaniline	ug/L	10 U	10 U		10 U	11 U		10 U
Hexachlorobutadiene	ug/L	10 U	10 U		10 U	11 U		10 U
4-Chloro-3-methylphenol	ug/L	10 U	10 U		10 U	11 U		10 U
2-Methylnaphthalene	ug/L	10 U	10 U		10 U	11 U		10 U
Hexachlorocyclopentadiene	ug/L	10 U	10 U		10 U	11 U		10 U
2,4,6-Trichlorophenol	ug/L	10 U	10 U		10 U	11 U		10 U
2,4,5-Trichlorophenol	ug/L	25 U	50 U		25 U	54 U		25 U
2-Chloronaphthalene	ug/L	10 U	10 U		10 U	11 U		10 U
2-Nitroaniline	ug/L	25 U	50 U		25 U	54 U		25 U
Dimethylphthalate	ug/L	10 U	10 U		10 U	11 U		10 U
Acenaphthylene	ug/L	10 U	10 U		10 U	11 U		10 U
2,6-Dinitrotoluene	ug/L	10 U	10 U		10 U	11 U		10 U
3-Nitroaniline	ug/L	25 U	50 U		25 U	54 U		25 U
Acenaphthene	ug/L	10 U	10 U		10 U	11 U		10 U
2,4-Dinitrophenol	ug/L	25 U	50 U		25 U	54 U		25 U
4-Nitrophenol	ug/L	25 U	50 U		25 U	54 U		25 U
Dibenzofuran	ug/L	10 U	10 U		10 U	11 U		10 U
2,4-Dinitrotoluene	ug/L	10 U	10 U		10 U	11 U		10 U
Diethylphthalate	ug/L	10 U	10 U		10 U	11 U		10 U
4-Chlorophenyl-phenylether	ug/L	10 U	10 U		10 U	11 U		10 U
Fluorene	ug/L	10 U	10 U		10 U	11 U		10 U
4-Nitroaniline	ug/L	25 U	50 U		25 U	54 U		25 U
4,6-Dinitro-2-methylphenol	ug/L	25 U	50 U		25 U	54 U		25 U
N-Nitrosodiphenylamine	ug/L	10 U	10 U		10 U	11 U		10 U
4-Bromophenyl-phenylether	ug/L	10 U	10 U		10 U	11 U		10 U
Hexachlorobenzene	ug/L	10 U	10 U		10 U	11 U		10 U
Pentachlorophenol	ug/L	25 U	50 U		25 U	54 U		25 U
Phenanthrene	ug/L	10 U	10 U		10 U	11 U		10 U
Anthracene	ug/L	10 U	10 U		10 U	11 U		10 U
Carbazole	ug/L	10 U			10 U			10 U
Di-n-butylphthalate	ug/L	10 U	10 U		10 U	11 U		10 U
Fluoranthene	ug/L	10 U	10 U		10 U	11 U		10 U
Pyrene	ug/L	10 U	10 U		10 U	11 U		10 U
Butylbenzylphthalate	ug/L	10 U	10 U		10 U	11 U		10 U
3,3'-Dichlorobenzidine	ug/L	10 U	20 U		10 U	22 U		10 U
Benzo(a)anthracene	ug/L	10 U	10 U		10 U	11 U		10 U
Chrysene	ug/L	10 U	10 U		10 U	11 U		10 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	10 U		10 U	11 U		19 U
Di-n-octylphthalate	ug/L	10 U	10 U		10 U	11 U		10 U
Benzo(b)fluoranthene	ug/L	10 U	10 U		10 U	11 U		10 U
Benzo(k)fluoranthene	ug/L	10 U	10 U		10 U	11 U		10 U
Benzo(a)pyrene	ug/L	10 U	10 U		10 U	11 U		10 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	10 U		10 U	11 U		10 U
Dibenz(a,h)anthracene	ug/L	10 U	10 U		10 U	11 U		10 U
Benzo(g,h,i)perylene	ug/L	10 U	10 U		10 U	11 U		10 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX LOCATION DATE ES ID LAB ID UNITS	PHASE II WATER OB 03/08/93 MW-27 179726	PHASE I WATER MW-28 01/14/92 MW-28 152492	PHASE I WATER MW-28 01/14/92 MW-28 Filt 152500	PHASE II WATER OB 03/02/93 MW-28 179509	PHASE I WATER MW-29 01/14/92 MW-29 152493	PHASE I WATER MW-29 01/14/92 MW-29 Filt 152501	PHASE II WATER OB 03/02/93 MW-29 179510
Pesticides/PCBs								
alpha-BHC	ug/L	0.052 U	0.05 U		0.05 U	0.054 U		0.05 U
beta-BHC	ug/L	0.052 U	0.05 U		0.05 U	0.054 U		0.05 U
delta-BHC	ug/L	0.052 U	0.05 U		0.05 U	0.054 U		0.05 U
gamma-BHC (Lindane)	ug/L	0.052 U	0.05 U		0.05 U	0.054 U		0.05 U
Heptachlor	ug/L	0.052 U	0.05 U		0.05 U	0.054 U		0.05 U
Aldrin	ug/L	0.052 U	0.05 U		0.05 U	0.054 U		0.05 U
Heptachlor epoxide	ug/L	0.052 U	0.05 U		0.05 U	0.054 U		0.05 U
Endosulfan I	ug/L	0.052 U	0.05 U		0.05 U	0.054 U		0.05 U
Dieldrin	ug/L	0.1 U	0.1 U		0.1 U	0.11 U		0.1 U
4,4'-DDE	ug/L	0.1 U	0.1 U		0.1 U	0.11 U		0.1 U
Endrin	ug/L	0.1 U	0.1 U		0.1 U	0.11 U		0.1 U
Endosulfan II	ug/L	0.1 U	0.1 U		0.1 U	0.11 U		0.1 U
4,4'-DDD	ug/L	0.1 U	0.1 U		0.1 U	0.11 U		0.1 U
Endosulfan sulfate	ug/L	0.1 U	0.1 U		0.1 U	0.11 U		0.1 U
4,4'-DDT	ug/L	0.1 U	0.1 U		0.1 U	0.11 U		0.1 U
Methoxychlor	ug/L	0.52 U	0.5 U		0.5 U	0.54 U		0.5 U
Endrin ketone	ug/L	0.1 U	0.1 U		0.1 U	0.11 U		0.1 U
Endrin aldehyde	ug/L	0.1 U			0.1 U			0.1 U
alpha-Chlordane	ug/L	0.052 U	0.5 U		0.05 U	0.54 U		0.05 U
gamma-Chlordane	ug/L	0.052 U	0.5 U		0.05 U	0.54 U		0.05 U
Toxaphene	ug/L	5.2 U	1 U		5 U	1.1 U		5 U
Aroclor-1016	ug/L	1 U	0.5 U		1 U	0.54 U		1 U
Aroclor-1221	ug/L	2.1 U	0.5 U		2 U	0.54 U		2 U
Aroclor-1232	ug/L	1 U	0.5 U		1 U	0.54 U		1 U
Aroclor-1242	ug/L	1 U	0.5 U		1 U	0.54 U		1 U
Aroclor-1248	ug/L	1 U	0.5 U		1 U	0.54 U		1 U
Aroclor-1254	ug/L	1 U	1 U		1 U	1.1 U		1 U
Aroclor-1260	ug/L	1 U	1 U		1 U	1.1 U		1 U
Explosives								
HMX	ug/L	0.12 U	1 U		0.12 U	1 U		0.12 U
RDX	ug/L	0.12 U	0.12 U		0.12 U	0.12 U		0.12 U
1,3,5-Trinitrobenzene	ug/L	0.12 U	0.12 U		0.12 U	0.12 U		0.12 U
1,3-Dinitrobenzene	ug/L	0.12 U	0.12 U		0.12 U	0.12 U		0.12 U
Tetryl	ug/L	0.12 U	0.4 U		0.12 U	0.4 U		0.12 U
2,4,6-Trinitrotoluene	ug/L	0.12 U	0.12 U		0.12 U	0.12 U		0.12 U
4-amino-2,6-Dinitrotoluene	ug/L	0.12 U	0.12 U		0.12 U	0.12 U		0.12 U
2-amino-4,6-Dinitrotoluene	ug/L	0.12 U	0.12 U		0.12 U	0.12 U		0.12 U
2,6-Dinitrotoluene	ug/L	0.12 U	0.087 J		0.12 U	0.12 U		0.12 U
2,4-Dinitrotoluene	ug/L	0.12 U	0.12 U		0.12 U	0.12 U		0.12 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX LOCATION DATE ES ID LAB ID UNITS	PHASE II WATER OB 03/08/93 MW-27 179726	PHASE I WATER MW-28 01/14/92 MW-28 152492	PHASE I WATER MW-28 01/14/92 MW-28 Filt. 152500	PHASE II WATER OB 03/02/93 MW-28 179509	PHASE I WATER MW-29 01/14/92 MW-29 152493	PHASE I WATER MW-29 01/14/92 MW-29 Filt. 152501	PHASE II WATER OB 03/02/93 MW-29 179510
Metals								
Aluminum	ug/l	68.7 J	34700	24.5 U	598	12600	24.4 U	529
Antimony	ug/l	53.6 U	53.2 U	53.3 U	54.1 U	53 U	52.9 U	53.6 U
Arsenic	ug/l	1.7 U	4.2 J	3.5 U	1.7 U	3.5 U	3.5 U	1.7 U
Barium	ug/l	80.8 J	411	53.9 R	59.5 J	166 J	78.1 J	76.8 J
Beryllium	ug/l	0.3 U	1.8 R	1.2 R	0.3 U	1.1 U	1.5 R	0.3 U
Cadmium	ug/l	3.1 U	6 R	3 U	3.1 U	3 U	3 U	3.1 U
Calcium	ug/l	92400	172000	116000	53900	137000	116000	108000
Chromium	ug/l	2 U	53.9	6.2 U R	2 U	18.5	6.1 U R	2 U
Cobalt	ug/l	5 U	24.6 J	20.4 U	5 U	20.3 U	20.3 U	5 U
Copper	ug/l	1.9 U	37.9	10.2 U	1.9 U	27.2	10.1 U	1.9 U
Iron	ug/l	82.4 R	50800 J	7 U R	56.8 J	19400 J	6.9 U R	609
Lead	ug/l	0.89 U	34.9	1.2 U	0.9 U	9.2	1.2 U	0.9 U
Magnesium	ug/l	70600	44600	24500	2040 J	39800	29700	29000
Manganese	ug/l	84.3	700 J	85.9	1.5 J	432 J	4.8 U	16.1
Mercury	ug/l	0.06 U	0.18 R	0.2 R	0.06 U	0.16 R	0.17 R	0.06 U
Nickel	ug/l	3.5 U	81.6	14.8 U	3.5 U	35.3 J	14.7 U	3.5 U
Potassium	ug/l	7420	10200	2220 J	11000	3700 J	592 J	966 J
Selenium	ug/l	1.1 U	5 U	2 J	1.1 U	2 J	1.9 J	1.1 U
Silver	ug/l	3.2 U	6.8 R	5.7 J	3.2 U	6.1 R	3.4 U	3.2 U
Sodium	ug/l	18300	15300	15000	56800	14900	14000	11200
Thallium	ug/l	2.6 U	3.2 U	3.2 U	2.6 U	3.2 U	3.2 U	2.6 U
Vanadium	ug/l	2.1 U	45.3 J	9.5 U	5.1 J	19.5 J	9.4 U	2.1 U
Zinc	ug/l	4.3 R	108 R	8.5 U	5.4 R	84.3 R	8.4 U	5.8 R
Cyanide	ug/l	10 U	10 U J		10 U	10 U J		10 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX	PHASE I	PHASE I	PHASE II	PHASE I	PHASE I	PHASE II	PHASE I
	LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	DATE	MW-30	MW-30	OB	MW-31	MW-31	OB	MW-32
	ES ID	01/09/92	01/09/92	03/10/93	01/16/92	01/16/92	03/04/93	01/16/92
	LAB ID	MW-30	MW-30 Filt	MW-30	MW 31	MW-31 Filt	MW-31	MW 32
	UNITS	152143	152173	179859	152631	152664	179603	152632
Volatile Organic Compounds								
Chloromethane	ug/L	10 U		0.5 U	10 U		0.5 U	10 U
Bromomethane	ug/L	10 U		0.5 U	10 U		0.5 U	10 U
Vinyl Chloride	ug/L	10 U		0.5 U	10 U		0.5 U	10 U
Chloroethane	ug/L	10 U		0.5 U	10 U		0.5 U	10 U
Methylene Chloride	ug/L	5 U		0.5 U	6 U		0.5 U	5 U
Acetone	ug/L	10 U		5 U	10 U		5 U	10 U
Carbon Disulfide	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
1,1-Dichloroethene	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
1,1-Dichloroethane	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
trans-1,2-Dichloroethene	ug/L			0.5 U			0.5 U	
cis-1,2-Dichloroethene	ug/L			0.5 U			0.5 U	
1,2-Dichloroethene (total)	ug/L	5 U			5 U			5 U
Chloroform	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
1,2-Dichloroethane	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
2-Butanone	ug/L	10 U		5 U	10 U		5 U	10 U
1,1,1-Trichloroethane	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Carbon Tetrachloride	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Vinyl Acetate	ug/L	10 U			10 U			10 U
Bromodichloromethane	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
1,2-Dichloropropane	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
cis-1,3-Dichloropropene	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Trichloroethene	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Dibromochloromethane	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
1,1,2-Trichloroethane	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Benzene	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
trans-1,3-Dichloropropene	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Bromoform	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
4-Methyl-2-Pentanone	ug/L	10 U		5 U	10 U		5 U	10 U
2-Hexanone	ug/L	10 U		5 U	10 U		5 U	10 U
Tetrachloroethene	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Toluene	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Chlorobenzene	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Ethylbenzene	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Styrene	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Xylene (total)	ug/L	5 U		0.5 U	5 U		0.5 U	5 U
Dichlorodifluoromethane	ug/L			0.5 U			0.5 U	
Trichlorofluoromethane	ug/L			0.5 U			0.5 U	
2,2-Dichloropropane	ug/L			0.5 U			0.5 U	
Bromochloromethane	ug/L			0.5 U			0.5 U	
1,1-Dichloropropene	ug/L			0.5 U			0.5 U	
Dibromomethane	ug/L			0.5 U			0.5 U	
1,3-Dichloropropane	ug/L			0.5 U			0.5 U	
1,2-Dibromoethane	ug/L			0.5 U			0.5 U	
1,1,1,2-Tetrachloroethane	ug/L			0.5 U			0.5 U	
Isopropylbenzene	ug/L			0.5 U			0.5 U	
Bromobenzene	ug/L			0.5 U			0.5 U	
1,2,3-Trichloropropane	ug/L			0.5 U			0.5 U	
n-Propylbenzene	ug/L			0.5 U			0.5 U	
2-Chlorotoluene	ug/L			0.5 U			0.5 U	
4-Chlorotoluene	ug/L			0.5 U			0.5 U	
1,3,5-Trimethylbenzene	ug/L			0.5 U			0.5 U	
tert-Butylbenzene	ug/L			0.5 U			0.5 U	
1,2,4-Trimethylbenzene	ug/L			0.5 U			0.5 U	
sec-Butylbenzene	ug/L			0.5 U			0.5 U	
1,3-Dichlorobenzene	ug/L			0.5 U			0.5 U	
1,4-Dichlorobenzene	ug/L			0.5 U			0.5 U	
p-Isopropyltoluene	ug/L			0.5 U			0.5 U	
1,2-Dichlorobenzene	ug/L			0.5 U			0.5 U	
n-Butylbenzene	ug/L			0.5 U			0.5 U	
1,2-Dibromo-3-Chloropropane	ug/L			0.5 U			0.5 U	
1,2,4-Trichlorobenzene	ug/L			0.5 U			0.5 U	
Hexachlorobutadiene	ug/L			0.5 U			0.5 U	
Naphthalene	ug/L			0.5 U			0.5 U	
1,2,3-Trichlorobenzene	ug/L			0.5 U			0.5 U	

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX	PHASE I WATER	PHASE I WATER	PHASE II WATER	PHASE I WATER	PHASE I WATER	PHASE II WATER	PHASE I WATER
	LOCATION	MW-30	MW-30	OB	MW-31	MW-31	OB	MW-32
	DATE	01/09/92	01/09/92	03/10/93	01/16/92	01/16/92	03/04/93	01/16/92
	ES ID	MW-30	MW-30 Filt	MW-30	MW 31	MW-31 Filt	MW-31	MW 32
	LAB ID	152143	152173	179859	152631	152664	179603	152632
	UNITS							
Semivolatiles								
Phenol	ug/L	10 U		10 U	11 U		10 U	11 U
bis(2-Chloroethyl) ether	ug/L	10 U		10 U	11 U		10 U	11 U
2-Chlorophenol	ug/L	10 U		10 U	11 U		10 U	11 U
1,3-Dichlorobenzene	ug/L	10 U		10 U	11 U		10 U	11 U
1,4-Dichlorobenzene	ug/L	10 U		10 U	11 U		10 U	11 U
Benzyl Alcohol	ug/L	10 U			11 U			11 U
1,2-Dichlorobenzene	ug/L	10 U		10 U	11 U		10 U	11 U
2-Methylphenol	ug/L	10 U		10 U	11 U		10 U	11 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U		10 U	11 U		10 U	11 U
4-Methylphenol	ug/L	10 U		10 U	11 U		10 U	11 U
N-Nitroso-di-n-propylamine	ug/L	10 U		10 U	11 U		10 U	11 U
Hexachloroethane	ug/L	10 U		10 U	11 U		10 U	11 U
Nitrobenzene	ug/L	10 U		10 U	11 U		10 U	11 U
Isophorone	ug/L	10 U		10 U	11 U		10 U	11 U
2-Nitrophenol	ug/L	10 U		10 U	11 U		10 U	11 U
2,4-Dimethylphenol	ug/L	10 U		10 U	11 U		10 U	11 U
Benzoic acid	ug/L	52 U			55 U			54 U
bis(2-Chloroethoxy) methane	ug/L	10 U		10 U	11 U		10 U	11 U
2,4-Dichlorophenol	ug/L	10 U		10 U	11 U		10 U	11 U
1,2,4-Trichlorobenzene	ug/L	10 U		10 U	11 U		10 U	11 U
Naphthalene	ug/L	10 U		10 U	11 U		10 U	11 U
4-Chloroaniline	ug/L	10 U		10 U	11 U		10 U	11 U
Hexachlorobutadiene	ug/L	10 U		10 U	11 U		10 U	11 U
4-Chloro-3-methylphenol	ug/L	10 U		10 U	11 U		10 U	11 U
2-Methylnaphthalene	ug/L	10 U		10 U	11 U		10 U	11 U
Hexachlorocyclopentadiene	ug/L	10 U		10 U	11 U		10 U	11 U
2,4,6-Trichlorophenol	ug/L	10 U		10 U	11 U		10 U	11 U
2,4,5-Trichlorophenol	ug/L	52 U		25 U	55 U		25 U	54 U
2-Chloronaphthalene	ug/L	10 U		10 U	11 U		10 U	11 U
2-Nitroaniline	ug/L	52 U		25 U	55 U		25 U	54 U
Dimethylphthalate	ug/L	10 U		10 U	11 U		10 U	11 U
Acenaphthylene	ug/L	10 U		10 U	11 U		10 U	11 U
2,6-Dinitrotoluene	ug/L	10 U		10 U	11 U		10 U	11 U
3-Nitroaniline	ug/L	52 U		25 U	55 U		25 U	54 U
Acenaphthene	ug/L	10 U		10 U	11 U		10 U	11 U
2,4-Dinitrophenol	ug/L	52 U		25 U	55 U		25 U	54 U
4-Nitrophenol	ug/L	52 U		25 U	55 U		25 U	54 U
Dibenzofuran	ug/L	10 U		10 U	11 U		10 U	11 U
2,4-Dinitrotoluene	ug/L	10 U		10 U	11 U		10 U	11 U
Diethylphthalate	ug/L	10 U		10 U	11 U		10 U	11 U
4-Chlorophenyl-phenylether	ug/L	10 U		10 U	11 U		10 U	11 U
Fluorene	ug/L	10 U		10 U	11 U		10 U	11 U
4-Nitroaniline	ug/L	52 U		25 U	55 U		25 U	54 U
4,6-Dinitro-2-methylphenol	ug/L	52 U		25 U	55 U		25 U	54 U
N-Nitrosodiphenylamine	ug/L	10 U		10 U	11 U		10 U	11 U
4-Bromophenyl-phenylether	ug/L	10 U		10 U	11 U		10 U	11 U
Hexachlorobenzene	ug/L	10 U		10 U	11 U		10 U	11 U
Pentachlorophenol	ug/L	52 U		25 U	55 U		25 U	54 U
Phenanthrene	ug/L	10 U		10 U	11 U		10 U	11 U
Anthracene	ug/L	10 U		10 U	11 U		10 U	11 U
Carbazole	ug/L			10 U			10 U	
Di-n-butylphthalate	ug/L	10 U		10 U	11 U		10 U	11 U
Fluoranthene	ug/L	10 U		10 U	11 U		10 U	11 U
Pyrene	ug/L	10 U		10 U	11 U		10 U	11 U
Butylbenzylphthalate	ug/L	10 U		10 U	11 U		10 U	11 U
3,3'-Dichlorobenzidine	ug/L	21 U		10 U	22 U		10 U	22 U
Benzo(a)anthracene	ug/L	10 U		10 U	11 U		10 U	11 U
Chrysene	ug/L	10 U		10 U	11 U		10 U	11 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U		10 U	11 U		10 U	11 U
Di-n-octylphthalate	ug/L	10 U		10 U	11 U		10 U	11 U
Benzo(b)fluoranthene	ug/L	10 U		10 U	11 U		10 U	11 U
Benzo(k)fluoranthene	ug/L	10 U		10 U	11 U		10 U	11 U
Benzo(a)pyrene	ug/L	10 U		10 U	11 U		10 U	11 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U		10 U	11 U		10 U	11 U
Dibenz(a,h)anthracene	ug/L	10 U		10 U	11 U		10 U	11 U
Benzo(g,h,i)perylene	ug/L	10 U		10 U	11 U		10 U	11 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX LOCATION DATE ES ID LAB ID UNITS	PHASE I WATER MW-30 01/09/92 MW-30 152143	PHASE I WATER MW-30 01/09/92 MW-30 Filt 152173	PHASE II WATER OB 03/10/93 MW-30 179859	PHASE I WATER MW-31 01/16/92 MW 31 152631	PHASE I WATER MW-31 01/16/92 MW-31 Filt 152664	PHASE II WATER OB 03/04/93 MW-31 179603	PHASE I WATER MW-32 01/16/92 MW 32 152632
Pesticides/PCBs								
alpha-BHC	ug/L	0.05 U		0.05 U	0.052 U		0.05 U	0.05 U
beta-BHC	ug/L	0.05 U		0.05 U	0.052 U		0.05 U	0.05 U
delta-BHC	ug/L	0.05 U		0.05 U	0.052 U		0.05 U	0.05 U
gamma-BHC (Lindane)	ug/L	0.05 U		0.05 U	0.052 U		0.05 U	0.05 U
Heptachlor	ug/L	0.05 U		0.05 U	0.052 U		0.05 U	0.05 U
Aldrin	ug/L	0.05 U		0.05 U	0.052 U		0.05 U	0.05 U
Heptachlor epoxide	ug/L	0.05 U		0.05 U	0.052 U		0.05 U	0.05 U
Endosulfan I	ug/L	0.05 U		0.05 U	0.052 U		0.05 U	0.05 U
Dieldrin	ug/L	0.099 U		0.1 U	0.1 U		0.1 U	0.1 U
4,4'-DDE	ug/L	0.099 U		0.1 U	0.1 U		0.1 U	0.1 U
Endrin	ug/L	0.099 U		0.1 U	0.1 U		0.1 U	0.1 U
Endosulfan II	ug/L	0.099 U		0.1 U	0.1 U		0.1 U	0.1 U
4,4'-DDD	ug/L	0.099 U		0.1 U	0.1 U		0.1 U	0.1 U
Endosulfan sulfate	ug/L	0.099 U		0.1 U	0.1 U		0.1 U	0.1 U
4,4'-DDT	ug/L	0.099 U		0.1 U	0.1 U		0.1 U	0.1 U
Methoxychlor	ug/L	0.5 U		0.5 U	0.52 U		0.5 U	0.5 U
Endrin ketone	ug/L	0.099 U		0.1 U	0.1 U		0.1 U	0.1 U
Endrin aldehyde	ug/L			0.1 U			0.1 U	
alpha-Chlordane	ug/L	0.5 U		0.05 U	0.52 U		0.05 U	0.5 U
gamma-Chlordane	ug/L	0.5 U		0.05 U	0.52 U		0.05 U	0.5 U
Toxaphene	ug/L	0.99 U		5 U	1 U		5 U	1 U
Aroclor-1016	ug/L	0.5 U		1 U	0.52 U		1 U	0.5 U
Aroclor-1221	ug/L	0.5 U		2 U	0.52 U		2 U	0.5 U
Aroclor-1232	ug/L	0.5 U		1 U	0.52 U		1 U	0.5 U
Aroclor-1242	ug/L	0.5 U		1 U	0.52 U		1 U	0.5 U
Aroclor-1248	ug/L	0.5 U		1 U	0.52 U		1 U	0.5 U
Aroclor-1254	ug/L	0.99 U		1 U	1 U		1 U	1 U
Aroclor-1260	ug/L	0.99 U		1 U	1 U		1 U	1 U
Explosives								
HMX	ug/L	1 U		0.12 U	1 U		0.12 U	1 U
RDX	ug/L	0.12 U		0.12 U	0.12 U		0.12 U	0.12 U
1,3,5-Trinitrobenzene	ug/L	0.12 U		0.12 U	0.12 U		0.12 U	0.12 U
1,3-Dinitrobenzene	ug/L	0.12 U		0.12 U	0.12 U		0.12 U	0.12 U
Tetryl	ug/L	0.4 U		0.12 U	0.4 U		0.12 U	0.4 U
2,4,6-Trinitrotoluene	ug/L	0.12 U		0.12 U	0.12 U		0.12 U	0.12 U
4-amino-2,6-Dinitrotoluene	ug/L	0.12 U		0.12 U	0.12 U		0.12 U	0.12 U
2-amino-4,6-Dinitrotoluene	ug/L	0.12 U		0.12 U	0.12 U		0.12 U	0.12 U
2,6-Dinitrotoluene	ug/L	0.12 U		0.12 U	0.12 U		0.12 U	0.12 U
2,4-Dinitrotoluene	ug/L	0.12 U		0.12 U	0.12 U		0.12 U	0.12 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX	PHASE I WATER	PHASE I WATER	PHASE II WATER	PHASE I WATER	PHASE I WATER	PHASE II WATER	PHASE I WATER
	LOCATION	MW-30	MW-30	OB	MW-31	MW-31	OB	MW-32
	DATE	01/09/92	01/09/92	03/10/93	01/16/92	01/16/92	03/04/93	01/16/92
	ES ID	MW-30	MW-30 Filt	MW-30	MW 31	MW-31 Filt	MW-31	MW 32
	LAB ID	152143	152173	179859	152631	152664	179603	152632
	UNITS							
Metals								
Aluminum	ug/l	1440 J	24.5 U	62.1 U	120000	97.4 U	1830	35200
Antimony	ug/l	58.3 J	53.1 U	53.7 U	53.3 U	52.9 U	54 U	54.4 J
Arsenic	ug/l	3.5 U	3.5 U	1.7 U	8.3 J	3.5 U	1.7 U	5.5 J
Barium	ug/l	94.2 J	74.9 J	81.4 J	955	21.2 J	55.7 J	347
Beryllium	ug/l	1.8 R	1.1 U R	0.3 U	6.6 R	1.2 U	0.34 J	2.8 R
Cadmium	ug/l	2.9 U	3 U	3.1 U	20 R	3 U	3.1 U	3.3 R
Calcium	ug/l	164000	159000	161000	407000	149000	130000	151000
Chromium	ug/l	6.2 U	6.2 U R	2 U	202	6.1 U	2.8 J	62.6
Cobalt	ug/l	19.9 U	20.4 U	5 U	78.8	19.8 U	5 U	20.5 U
Copper	ug/l	14.4 U	10.1 U	1.9 U	176	14.4 U	1.9 U	43.1
Iron	ug/l	1870	7 U R	21.7 U	176000 J	17 U	2010	52100 J
Lead	ug/l	1.3 J	1.2 U	0.89 U	159	1.2 U	1.2 J	41.6
Magnesium	ug/l	23800	24200	25200	95500	38900	34100	41000
Manganese	ug/l	39.6 R	16.6	7.2 J	2400 J	77.7	33	734 J
Mercury	ug/l	0.15 R	0.3 R	0.06 U	0.21 R	0.03 U	0.06 U	0.17 R
Nickel	ug/l	15.9 U	14.7 U	3.5 U	282	15.9 U	9.3 J	83.3
Potassium	ug/l	996 J	697 J	443 U	22300	2520 J	1210 J	9900
Selenium	ug/l	1.1 J	1.3 J	1.1 U	10 U	1.7 J	1.1 U	10 U
Silver	ug/l	9 U	3.4 U	3.2 U	3.4 U	9 U	3.2 U	3.4 U
Sodium	ug/l	17500	17800	17800	12500	10800	17100	9100
Thallium	ug/l	3.2 U	3.2 U	2.6 U	3.2 U	3.2 U	2.6 U	3.2 U
Vanadium	ug/l	30.4 U	9.5 U	2.1 U	180	30.3 U	4.3 J	54
Zinc	ug/l	21.1 R	11.1 J	2.6 R	433	13.4 U	24.9 R	135
Cyanide	ug/l	10 U J		10 U	10 U J		10 U	10 U J

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX LOCATION DATE ES ID LAB ID UNITS	PHASE I WATER MW-32 01/16/92 MW-32 Filt 152665	PHASE II WATER OB 03/11/93 MW-32 179898	PHASE I WATER MW-34 01/08/92 MW-34 152145	PHASE I WATER MW-34 01/08/92 MW-34 Filt 152174	PHASE II WATER OB 03/12/93 MW-34 179962	PHASE I WATER MW-35 01/08/92 MW-35 152146	PHASE I WATER MW-35 01/08/92 MW-35 Filt 152175
Volatile Organic Compounds								
Chloromethane	ug/L		0.5 U	10 U		0.5 U	10 U	
Bromomethane	ug/L		0.5 U	10 U		0.5 U	10 U	
Vinyl Chloride	ug/L		0.5 U	10 U		0.5 U	10 U	
Chloroethane	ug/L		0.5 U	10 U		0.5 U	10 U	
Methylene Chloride	ug/L		0.5 U	5 U		0.5 U	5 U	
Acetone	ug/L		5 U	10 U		5 U	10 U	
Carbon Disulfide	ug/L		0.5 U	5 U		0.5 U	5 U	
1,1-Dichloroethene	ug/L		0.5 U	5 U		0.5 U	5 U	
1,1-Dichloroethane	ug/L		0.5 U	5 U		0.5 U	5 U	
trans-1,2-Dichloroethene	ug/L		0.5 U			0.5 U		
cis-1,2-Dichloroethene	ug/L		0.5 U			0.5 U		
1,2-Dichloroethene (total)	ug/L			5 U			5 U	
Chloroform	ug/L		0.5 U	5 U		0.5 U	5 U	
1,2-Dichloroethane	ug/L		0.5 U	5 U		0.5 U	5 U	
2-Butanone	ug/L		5 U	10 U		5 U	10 U	
1,1,1-Trichloroethane	ug/L		0.5 U	5 U		0.5 U	5 U	
Carbon Tetrachloride	ug/L		0.5 U	5 U		0.5 U	5 U	
Vinyl Acetate	ug/L			10 U			10 U	
Bromodichloromethane	ug/L		0.5 U	5 U		0.5 U	5 U	
1,2-Dichloropropane	ug/L		0.5 U	5 U		0.5 U	5 U	
cis-1,3-Dichloropropene	ug/L		0.5 U	5 U		0.5 U	5 U	
Trichloroethene	ug/L		0.5 U	5 U		0.5 U	5 U	
Dibromochloromethane	ug/L		0.5 U	5 U		0.5 U	5 U	
1,1,2-Trichloroethane	ug/L		0.5 U	5 U		0.5 U	5 U	
Benzene	ug/L		0.5 U	5 U		0.5 U	5 U	
trans-1,3-Dichloropropene	ug/L		0.5 U	5 U		0.5 U	5 U	
Bromoform	ug/L		0.5 U	5 U		0.5 U	5 U	
4-Methyl-2-Pentanone	ug/L		5 U	10 U		5 U	10 U	
2-Hexanone	ug/L		5 U	10 U		5 U	10 U	
Tetrachloroethene	ug/L		0.5 U	5 U		0.5 U	5 U	
1,1,2,2-Tetrachloroethane	ug/L		0.5 U	5 U		0.5 U	5 U	
Toluene	ug/L		0.5 U	5 U		0.5 U	5 U	
Chlorobenzene	ug/L		0.5 U	5 U		0.5 U	5 U	
Ethylbenzene	ug/L		0.5 U	5 U		0.5 U	5 U	
Styrene	ug/L		0.5 U	5 U		0.5 U	5 U	
Xylene (total)	ug/L		0.5 U	5 U		0.5 U	5 U	
Dichlorodifluoromethane	ug/L		0.5 U			0.5 U		
Trichlorofluoromethane	ug/L		0.5 U			0.5 U		
2,2-Dichloropropane	ug/L		0.5 U			0.5 U		
Bromochloromethane	ug/L		0.5 U			0.5 U		
1,1-Dichloropropene	ug/L		0.5 U			0.5 U		
Dibromomethane	ug/L		0.5 U			0.5 U		
1,3-Dichloropropane	ug/L		0.5 U			0.5 U		
1,2-Dibromoethane	ug/L		0.5 U			0.5 U		
1,1,1,2-Tetrachloroethane	ug/L		0.5 U			0.5 U		
Isopropylbenzene	ug/L		0.5 U			0.5 U		
Bromobenzene	ug/L		0.5 U			0.5 U		
1,2,3-Trichloropropane	ug/L		0.5 U			0.5 U		
n-Propylbenzene	ug/L		0.5 U			0.5 U		
2-Chlorotoluene	ug/L		0.5 U			0.5 U		
4-Chlorotoluene	ug/L		0.5 U			0.5 U		
1,3,5-Trimethylbenzene	ug/L		0.5 U			0.5 U		
tert-Butylbenzene	ug/L		0.5 U			0.5 U		
1,2,4-Trimethylbenzene	ug/L		0.5 U			0.5 U		
sec-Butylbenzene	ug/L		0.5 U			0.5 U		
1,3-Dichlorobenzene	ug/L		0.5 U			0.5 U		
1,4-Dichlorobenzene	ug/L		0.5 U			0.5 U		
p-Isopropyltoluene	ug/L		0.5 U			0.5 U		
1,2-Dichlorobenzene	ug/L		0.5 U			0.5 U		
n-Butylbenzene	ug/L		0.5 U			0.5 U		
1,2-Dibromo-3-Chloropropane	ug/L		0.5 U			0.5 U		
1,2,4-Trichlorobenzene	ug/L		0.5 U			0.5 U		
Hexachlorobutadiene	ug/L		0.5 U			0.5 U		
Naphthalene	ug/L		0.5 U			0.5 U		
1,2,3-Trichlorobenzene	ug/L		0.5 U			0.5 U		

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX	PHASE I	PHASE II	PHASE I	PHASE I	PHASE II	PHASE I	PHASE I
	LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	DATE	MW-32	OB	MW-34	MW-34	OB	MW-35	MW-35
	ES ID	01/16/92	03/11/93	01/08/92	01/08/92	03/12/93	01/08/92	01/08/92
	LAB ID	MW-32 Filt	MW-32	MW-34	MW-34 Filt	MW-34	MW-35	MW-35 Filt
	UNITS	152665	179898	152145	152174	179962	152146	152175
Semivolatiles								
Phenol	ug/L		10 U	10 U		10 U	11 U	
bis(2-Chloroethyl) ether	ug/L		10 U	10 U		10 U	11 U	
2-Chlorophenol	ug/L		10 U	10 U		10 U	11 U	
1,3-Dichlorobenzene	ug/L		10 U	10 U		10 U	11 U	
1,4-Dichlorobenzene	ug/L		10 U	10 U		10 U	11 U	
Benzyl Alcohol	ug/L			10 U			11 U	
1,2-Dichlorobenzene	ug/L		10 U	10 U		10 U	11 U	
2-Methylphenol	ug/L		10 U	10 U		10 U	11 U	
2,2'-oxybis(1-Chloropropane)	ug/L		10 U	10 U		10 U	11 U	
4-Methylphenol	ug/L		10 U	10 U		10 U	11 U	
N-Nitroso-di-n-propylamine	ug/L		10 U	10 U		10 U	11 U	
Hexachloroethane	ug/L		10 U	10 U		10 U	11 U	
Nitrobenzene	ug/L		10 U	10 U		10 U	11 U	
Isophorone	ug/L		10 U	10 U		10 U	11 U	
2-Nitrophenol	ug/L		10 U	10 U		10 U	11 U	
2,4-Dimethylphenol	ug/L		10 U	10 U		10 U	11 U	
Benzoic acid	ug/L			50 U			53 U	
bis(2-Chloroethoxy) methane	ug/L		10 U	10 U		10 U	11 U	
2,4-Dichlorophenol	ug/L		10 U	10 U		10 U	11 U	
1,2,4-Trichlorobenzene	ug/L		10 U	10 U		10 U	11 U	
Naphthalene	ug/L		10 U	10 U		10 U	11 U	
4-Chloroaniline	ug/L		10 U	10 U		10 U	11 U	
Hexachlorobutadiene	ug/L		10 U	10 U		10 U	11 U	
4-Chloro-3-methylphenol	ug/L		10 U	10 U		10 U	11 U	
2-Methylnaphthalene	ug/L		10 U	10 U		10 U	11 U	
Hexachlorocyclopentadiene	ug/L		10 U	10 U		10 U	11 U	
2,4,6-Trichlorophenol	ug/L		10 U	10 U		10 U	11 U	
2,4,5-Trichlorophenol	ug/L		25 U	50 U		25 U	53 U	
2-Chloronaphthalene	ug/L		10 U	10 U		10 U	11 U	
2-Nitroaniline	ug/L		25 U	50 U		25 U	53 U	
Dimethylphthalate	ug/L		10 U	10 U		10 U	11 U	
Acenaphthylene	ug/L		10 U	10 U		10 U	11 U	
2,6-Dinitrotoluene	ug/L		10 U	10 U		10 U	11 U	
3-Nitroaniline	ug/L		25 U	50 U		25 U	53 U	
Acenaphthene	ug/L		10 U	10 U		10 U	11 U	
2,4-Dinitrophenol	ug/L		25 U	50 U		25 U	53 U	
4-Nitrophenol	ug/L		25 U	50 U		25 U	53 U	
Dibenzofuran	ug/L		10 U	10 U		10 U	11 U	
2,4-Dinitrotoluene	ug/L		10 U	10 U		10 U	11 U	
Diethylphthalate	ug/L		10 U	10 U		10 U	11 U	
4-Chlorophenyl-phenylether	ug/L		10 U	10 U		10 U	11 U	
Fluorene	ug/L		10 U	10 U		10 U	11 U	
4-Nitroaniline	ug/L		25 U	50 U		25 U	53 U	
4,6-Dinitro-2-methylphenol	ug/L		25 U	50 U		25 U	53 U	
N-Nitrosodiphenylamine	ug/L		10 U	10 U		10 U	11 U	
4-Bromophenyl-phenylether	ug/L		10 U	10 U		10 U	11 U	
Hexachlorobenzene	ug/L		10 U	10 U		10 U	11 U	
Pentachlorophenol	ug/L		25 U	50 U		25 U	53 U	
Phenanthrene	ug/L		10 U	10 U		10 U	11 U	
Anthracene	ug/L		10 U	10 U		10 U	11 U	
Carbazole	ug/L		10 U			10 U		
Di-n-butylphthalate	ug/L		10 U	10 U		2 J	11 U	
Fluoranthene	ug/L		10 U	10 U		10 U	11 U	
Pyrene	ug/L		10 U	10 U		10 U	11 U	
Butylbenzylphthalate	ug/L		10 U	10 U		10 U	11 U	
3,3'-Dichlorobenzidine	ug/L		10 U	20 U		10 U	21 U	
Benzo(a)anthracene	ug/L		10 U	10 U		10 U	11 U	
Chrysene	ug/L		10 U	10 U		10 U	11 U	
bis(2-Ethylhexyl)phthalate	ug/L		10 U	10 U		24 U	11 U	
Di-n-octylphthalate	ug/L		10 U	10 U		10 U	11 U	
Benzo(b)fluoranthene	ug/L		10 U	10 U		10 U	11 U	
Benzo(k)fluoranthene	ug/L		10 U	10 U		10 U	11 U	
Benzo(a)pyrene	ug/L		10 U	10 U		10 U	11 U	
Indeno(1,2,3-cd)pyrene	ug/L		10 U	10 U		10 U	11 U	
Dibenz(a,h)anthracene	ug/L		10 U	10 U		10 U	11 U	
Benzo(g,h,i)perylene	ug/L		10 U	10 U		10 U	11 U	

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX LOCATION DATE ES ID LAB ID UNITS	PHASE I WATER MW-32 01/16/92 MW-32 Filt 152665	PHASE II WATER OB 03/11/93 MW-32 179898	PHASE I WATER MW-34 01/08/92 MW-34 152145	PHASE I WATER MW-34 01/08/92 MW-34 Filt 152174	PHASE II WATER OB 03/12/93 MW-34 179962	PHASE I WATER MW-35 01/08/92 MW-35 152146	PHASE I WATER MW-35 01/08/92 MW-35 Filt 152175
Pesticides/PCBs								
alpha-BHC	ug/L		0.053 U	0.053 U		0.058 U	0.054 U	
beta-BHC	ug/L		0.053 U	0.053 U		0.058 U	0.054 U	
delta-BHC	ug/L		0.053 U	0.053 U		0.058 U	0.054 U	
gamma-BHC (Lindane)	ug/L		0.053 U	0.053 U		0.058 U	0.054 U	
Heptachlor	ug/L		0.053 U	0.053 U		0.058 U	0.054 U	
Aldrin	ug/L		0.053 U	0.053 U		0.058 U	0.054 U	
Heptachlor epoxide	ug/L		0.053 U	0.053 U		0.058 U	0.054 U	
Endosulfan I	ug/L		0.053 U	0.053 U		0.058 U	0.054 U	
Dieldrin	ug/L		0.11 U	0.11 U		0.12 U	0.11 U	
4,4'-DDE	ug/L		0.11 U	0.11 U		0.12 U	0.11 U	
Endrin	ug/L		0.11 U	0.11 U		0.12 U	0.11 U	
Endosulfan II	ug/L		0.11 U	0.11 U		0.12 U	0.11 U	
4,4'-DDD	ug/L		0.11 U	0.11 U		0.12 U	0.11 U	
Endosulfan sulfate	ug/L		0.11 U	0.11 U		0.12 U	0.11 U	
4,4'-DDT	ug/L		0.11 U	0.11 U		0.12 U	0.11 U	
Methoxychlor	ug/L		0.53 U	0.53 U		0.58 U	0.54 U	
Endrin ketone	ug/L		0.11 U	0.11 U		0.12 U	0.11 U	
Endrin aldehyde	ug/L		0.11 U			0.12 U		
alpha-Chlordane	ug/L		0.053 U	0.53 U		0.058 U	0.54 U	
gamma-Chlordane	ug/L		0.053 U	0.53 U		0.058 U	0.54 U	
Toxaphene	ug/L		5.3 U	1.1 U		5.8 U	1.1 U	
Aroclor-1016	ug/L		1.1 U	0.53 U		1.2 U	0.54 U	
Aroclor-1221	ug/L		2.1 U	0.53 U		2.3 U	0.54 U	
Aroclor-1232	ug/L		1.1 U	0.53 U		1.2 U	0.54 U	
Aroclor-1242	ug/L		1.1 U	0.53 U		1.2 U	0.54 U	
Aroclor-1248	ug/L		1.1 U	0.53 U		1.2 U	0.54 U	
Aroclor-1254	ug/L		1.1 U	1.1 U		1.2 U	1.1 U	
Aroclor-1260	ug/L		1.1 U	1.1 U		1.2 U	1.1 U	
Explosives								
HMX	ug/L		0.12 U	1 U		0.12 U	1 U	
RDX	ug/L		0.12 U	0.12 U		0.12 U	0.12 U	
1,3,5-Trinitrobenzene	ug/L		0.12 U	0.12 U		0.12 U	0.12 U	
1,3-Dinitrobenzene	ug/L		0.12 U	0.12 U		0.12 U	0.12 U	
Tetryl	ug/L		0.12 U	0.4 U		0.12 U	0.4 U	
2,4,6-Trinitrotoluene	ug/L		0.12 U	0.12 U		0.12 U	0.12 U	
4-amino-2,6-Dinitrotoluene	ug/L		0.12 U	0.12 U		0.12 U	0.12 U	
2-amino-4,6-Dinitrotoluene	ug/L		0.12 U	0.12 U		0.12 U	0.12 U	
2,6-Dinitrotoluene	ug/L		0.12 U	0.12 U		0.12 U	0.12 U	
2,4-Dinitrotoluene	ug/L		0.12 U	0.12 U		0.12 U	0.12 U	

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX	PHASE I WATER	PHASE II WATER	PHASE I WATER	PHASE I WATER	PHASE II WATER	PHASE I WATER	PHASE I WATER
	LOCATION	MW-32	OB	MW-34	MW-34	OB	MW-35	MW-35
	DATE	01/16/92	03/11/93	01/08/92	01/08/92	03/12/93	01/08/92	01/08/92
	ES ID	MW-32 Filt	MW-32	MW-34	MW-34 Filt	MW-34	MW-35	MW-35 Filt
	LAB ID	152665	179898	152145	152174	179962	152146	152175
	UNITS							
Metals								
Aluminum	ug/l	97.9 U	884 J	131000	24.5 U	13000 J	7550 J	24.5 U
Antimony	ug/l	53.2 U	54 U	55.8 U	53.2 U	53.9 U	55.5 U	53.1 U
Arsenic	ug/l	3.5 U	1.7 U	3.5 U	3.5 U	3.3 J	3.5 U	3.5 U
Barium	ug/l	41.6 J	53.9 J	779	10.7 R	103 J	103 J	37.5 R
Beryllium	ug/l	1.2 U	0.3 U	7.8 R	1.1 U R	0.89 J	1.8 R	1.1 U R
Cadmium	ug/l	3 U	3.1 U	13.2	3 U	3.1 U	2.9 U	3 U
Calcium	ug/l	95400	93400	538000	66900	117000	94700	87800
Chromium	ug/l	6.2 U	2.2 J	200	6.2 U R	21.5	15.3 R	6.2 U R
Cobalt	ug/l	19.9 U	5 U	152	20.4 U	11.1 J	19.9 J	20.4 U
Copper	ug/l	14.4 U	3.7 R	233	10.2 U	21.1 J	14.4 U	10.1 U
Iron	ug/l	17 U	957 J	254000	7 U R	19700 J	10500	7 U R
Lead	ug/l	1.2 U	1.5 J	62.4	1.2 U	7.2	3.3	1.2 U
Magnesium	ug/l	23500	23000	76500	7510	15100	14600	12900
Manganese	ug/l	153	38.4	5810 J	18	403	557 J	306
Mercury	ug/l	0.04 J	0.08 U	0.3 R	0.16 R	0.08 R	0.18 R	0.18 R
Nickel	ug/l	15.9 U	3.5 U	362	14.7 U	30.1 J	15.9 U	14.7 U
Potassium	ug/l	2360 J	1360 J	16200	418 J	3220 J	4180 J	2790 J
Selenium	ug/l	1 U	1.1 U	10 U	2.3 J	1.1 U	1.1 J	1.2 J
Silver	ug/l	9.1 U	3.2 U	9.1 U	3.4 U	3.2 U	9 U	3.4 U
Sodium	ug/l	7960	7140	4750 J	3590 J	3560 J	44100	39600
Thallium	ug/l	3.2 U	2.6 U	3.2 U	3.2 U	2.6 U	3.2 U	3.2 U
Vanadium	ug/l	30.5 U	3.4 J	167	9.5 U	20.1 J	30.3 U	9.5 U
Zinc	ug/l	13.4 U	10.2 R	734	12.9 J	76	58.2	13.8 J
Cyanide	ug/l		10 U	10 U J		10 U	10 U J	

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX LOCATION DATE ES ID LAB ID UNITS	PHASE II WATER OB 03/12/93 MW-35 179963	PHASE II WATER OB 03/12/93 MW-35D 179964 DUP MW-35	PHASE II WATER OB 03/11/93 MW-36 179965	PHASE II WATER OB 03/12/93 MW-38 179966	PHASE II WATER OB 03/04/93 MW-39 179605	PHASE II WATER OB 03/09/93 MW-40 179848	PHASE II WATER OB 03/10/93 MW-40 179875
Volatile Organic Compounds								
Chloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Bromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Vinyl Chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Chloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Methylene Chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Acetone	ug/L	5 U	5 U	5 U	5 U	5 U		
Carbon Disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
1,1-Dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
1,1-Dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
trans-1,2-Dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
cis-1,2-Dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
1,2-Dichloroethene (total)	ug/L							
Chloroform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
1,2-Dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
2-Butanone	ug/L	5 U	5 U	5 U	5 U	5 U		
1,1,1-Trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Carbon Tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Vinyl Acetate	ug/L							
Bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
1,2-Dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
cis-1,3-Dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Trichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
1,1,2-Trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
trans-1,3-Dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
4-Methyl-2-Pentanone	ug/L	5 U	5 U	5 U	5 U	5 U		
2-Hexanone	ug/L	5 U	5 U	5 U	5 U	5 U		
Tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
1,1,2,2-Tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Toluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Xylene (total)	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Dichlorodifluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
2,2-Dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
1,1-Dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Dibromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
1,3-Dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
1,2-Dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
1,1,1,2-Tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Bromobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
1,2,3-Trichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
n-Propylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
2-Chlorotoluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
4-Chlorotoluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
1,3,5-Trimethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
tert-Butylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
1,2,4-Trimethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
sec-Butylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
1,3-Dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
1,4-Dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
p-Isopropyltoluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
1,2-Dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
n-Butylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
1,2-Dibromo-3-Chloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
1,2,4-Trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Hexachlorobutadiene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Naphthalene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
1,2,3-Trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

	MATRIX	PHASE II WATER	PHASE II WATER	PHASE II WATER	PHASE II WATER	PHASE II WATER	PHASE II WATER	PHASE II WATER
	LOCATION	OB	OB	OB	OB	OB	OB	OB
	DATE	03/12/93	03/12/93	03/11/93	03/12/93	03/04/93	03/09/93	03/10/93
	ES ID	MW-35	MW-35D	MW-36	MW-38	MW-39	MW-40	MW-40
	LAB ID	179963	179964	179965	179966	179605	179848	179875
COMPOUND	UNITS		DUP MW-35					
Semivolatiles								
Phenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
bis(2-Chloroethyl) ether	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
2-Chlorophenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
1,3-Dichlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
1,4-Dichlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
Benzyl Alcohol	ug/L							
1,2-Dichlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
2-Methylphenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
4-Methylphenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
N-Nitroso-di-n-propylamine	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
Hexachloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
Nitrobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
Isophorone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
2-Nitrophenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
2,4-Dimethylphenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
Benzoic acid	ug/L							
bis(2-Chloroethoxy) methane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
2,4-Dichlorophenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
1,2,4-Trichlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
Naphthalene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
4-Chloroaniline	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
Hexachlorobutadiene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
4-Chloro-3-methylphenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
2-Methylnaphthalene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
Hexachlorocyclopentadiene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
2,4,6-Trichlorophenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
2,4,5-Trichlorophenol	ug/L	25 U	25 U	25 U	25 U	25 U	25 U	
2-Chloronaphthalene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
2-Nitroaniline	ug/L	25 U	25 U	25 U	25 U	25 U	25 U	
Dimethylphthalate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
Acenaphthylene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
2,6-Dinitrotoluene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
3-Nitroaniline	ug/L	25 U	25 U	25 U	25 U	25 U	25 U	
Acenaphthene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
2,4-Dinitrophenol	ug/L	25 U	25 U	25 U	25 U	25 U	25 U	
4-Nitrophenol	ug/L	25 U	25 U	25 U	25 U	25 U	25 U	
Dibenzofuran	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
2,4-Dinitrotoluene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
Diethylphthalate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
4-Chlorophenyl-phenylether	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
Fluorene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
4-Nitroaniline	ug/L	25 U	25 U	25 U	25 U	25 U	25 U	
4,6-Dinitro-2-methylphenol	ug/L	25 U	25 U	25 U	25 U	25 U	25 U	
N-Nitrosodiphenylamine	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
4-Bromophenyl-phenylether	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
Hexachlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
Pentachlorophenol	ug/L	25 U	25 U	25 U	25 U	25 U	25 U	
Phenanthrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
Anthracene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
Carbazole	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
Di-n-butylphthalate	ug/L	0.7 J	2 J	10 U	10 U	10 U	10 U	
Fluoranthene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
Pyrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
Butylbenzylphthalate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
3,3'-Dichlorobenzidine	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(a)anthracene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
Chrysene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
bis(2-Ethylhexyl)phthalate	ug/L	10 U	10 U	10 U	10 U	13 U	10 U	
Di-n-octylphthalate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(b)fluoranthene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(k)fluoranthene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(a)pyrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
Indeno(1,2,3-cd)pyrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
Dibenz(a,h)anthracene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(g,h,i)perylene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

	MATRIX	PHASE II WATER	PHASE II WATER	PHASE II WATER	PHASE II WATER	PHASE II WATER	PHASE II WATER	PHASE II WATER
	LOCATION	OB	OB	OB	OB	OB	OB	OB
	DATE	03/12/93	03/12/93	03/11/93	03/12/93	03/04/93	03/09/93	03/10/93
	ES ID	MW-35	MW-35D	MW-36	MW-38	MW-39	MW-40	MW-40
	LAB ID	179963	179964	179965	179966	179605	179848	179875
COMPOUND	UNITS		DUP MW-35					
Pesticides/PCBs								
alpha-BHC	ug/L	0.06 U	0.056 U	0.056 U	0.055 U	0.052 U		0.062 U
beta-BHC	ug/L	0.06 U	0.056 U	0.056 U	0.055 U	0.052 U		0.062 U
delta-BHC	ug/L	0.06 U	0.056 U	0.056 U	0.055 U	0.052 U		0.062 U
gamma-BHC (Lindane)	ug/L	0.06 U	0.056 U	0.056 U	0.055 U	0.052 U		0.062 U
Heptachlor	ug/L	0.06 U	0.056 U	0.056 U	0.055 U	0.052 U		0.062 U
Aldrin	ug/L	0.06 U	0.056 U	0.056 U	0.055 U	0.052 U		0.062 U
Heptachlor epoxide	ug/L	0.06 U	0.056 U	0.056 U	0.055 U	0.052 U		0.062 U
Endosulfan I	ug/L	0.06 U	0.056 U	0.056 U	0.055 U	0.052 U		0.062 U
Dieldrin	ug/L	0.12 U	0.11 U	0.11 U	0.11 U	0.1 U		0.12 U
4,4'-DDE	ug/L	0.12 U	0.11 U	0.11 U	0.11 U	0.1 U		0.12 U
Endrin	ug/L	0.12 U	0.11 U	0.11 U	0.11 U	0.1 U		0.12 U
Endosulfan II	ug/L	0.12 U	0.11 U	0.11 U	0.11 U	0.1 U		0.12 U
4,4'-DDD	ug/L	0.12 U	0.11 U	0.11 U	0.11 U	0.1 U		0.12 U
Endosulfan sulfate	ug/L	0.12 U	0.11 U	0.11 U	0.11 U	0.1 U		0.12 U
4,4'-DDT	ug/L	0.12 U	0.11 U	0.11 U	0.11 U	0.1 U		0.12 U
Methoxychlor	ug/L	0.6 U	0.56 U	0.56 U	0.55 U	0.52 U		0.62 U
Endrin ketone	ug/L	0.12 U	0.11 U	0.11 U	0.11 U	0.1 U		0.12 U
Endrin aldehyde	ug/L	0.12 U	0.11 U	0.11 U	0.11 U	0.1 U		0.12 U
alpha-Chlordane	ug/L	0.06 U	0.056 U	0.056 U	0.055 U	0.052 U		0.062 U
gamma-Chlordane	ug/L	0.06 U	0.056 U	0.056 U	0.055 U	0.052 U		0.062 U
Toxaphene	ug/L	6 U	5.6 U	5.6 U	5.5 U	5.2 U		6.2 U
Aroclor-1016	ug/L	1.2 U	1.1 U	1.1 U	1.1 U	1 U		1.2 U
Aroclor-1221	ug/L	2.4 U	2.2 U	2.2 U	2.2 U	2.1 U		2.5 U
Aroclor-1232	ug/L	1.2 U	1.1 U	1.1 U	1.1 U	1 U		1.2 U
Aroclor-1242	ug/L	1.2 U	1.1 U	1.1 U	1.1 U	1 U		1.2 U
Aroclor-1248	ug/L	1.2 U	1.1 U	1.1 U	1.1 U	1 U		1.2 U
Aroclor-1254	ug/L	1.2 U	1.1 U	1.1 U	1.1 U	1 U		1.2 U
Aroclor-1260	ug/L	1.2 U	1.1 U	1.1 U	1.1 U	1 U		1.2 U
Explosives								
HMX	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U		0.12 U
RDX	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U		0.12 U
1,3,5-Trinitrobenzene	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U		0.12 U
1,3-Dinitrobenzene	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U		0.12 U
Tetryl	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U		0.12 U
2,4,6-Trinitrotoluene	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U		0.12 U
4-amino-2,6-Dinitrotoluene	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U		0.12 U
2-amino-4,6-Dinitrotoluene	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U		0.12 U
2,6-Dinitrotoluene	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U		0.12 U
2,4-Dinitrotoluene	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U		0.12 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

	MATRIX	PHASE II WATER	PHASE II WATER	PHASE II WATER	PHASE II WATER	PHASE II WATER	PHASE II WATER	PHASE II WATER
	LOCATION	OB	OB	OB	OB	OB	OB	OB
	DATE	03/12/93	03/12/93	03/11/93	03/12/93	03/04/93	03/09/93	03/10/93
	ES ID	MW-35	MW-35D	MW-36	MW-38	MW-39	MW-40	MW-40
	LAB ID	179963	179984	179965	179966	179605	179848	179875
COMPOUND	UNITS		DUP MW-35					
Metals								
Aluminum	ug/l	600 J	1100 J	103 J	246 J	473		
Antimony	ug/l	53.9 U	54.1 U	53.7 U	53.8 U	53.8 U		
Arsenic	ug/l	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U		
Barium	ug/l	80.2 J	86.7 J	64.3 J	33.5 J	58.1 J		
Beryllium	ug/l	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U		
Cadmium	ug/l	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U		
Calcium	ug/l	88700	93200	84700	91100	113000		
Chromium	ug/l	2 U	2.2 J	2 U	2 U	2 U		
Cobalt	ug/l	5 U	5 U	5 U	5 U	5 U		
Copper	ug/l	1.9 U	2.7 R	1.9 U	2.2 R	2.4 R		
Iron	ug/l	501 J	1130 J	155 J	221 J	746		
Lead	ug/l	0.91 J	1.1 J	0.69 U	0.9 U	0.9 U		
Magnesium	ug/l	14200	15000	11500	11600	33800		
Manganese	ug/l	46.6	49.4	166	171	122		
Mercury	ug/l	0.07 R	0.1 R	0.06 U	0.09 R	0.06 U		
Nickel	ug/l	3.5 U	3.5 U	3.5 U	3.5 U	4.6 J		
Potassium	ug/l	1290 J	1240 J	2240 J	2930 J	4600 J		
Selenium	ug/l	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U		
Silver	ug/l	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U		
Sodium	ug/l	7390	7880	6600	9870	33900		
Thallium	ug/l	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U		
Vanadium	ug/l	2.1 U	2.6 J	2.1 U	2.1 J	2.1 U		
Zinc	ug/l	84.2	86.3	4.3 R	4.4 R	6.8 R		
Cyanide	ug/l	10 U	10 U	10 U	10 U	10 U		

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

	MATRIX	PHASE II WATER	PHASE II WATER	PHASE II WATER	PHASE II WATER
	LOCATION	OB	OB	OB	OB
	DATE	03/08/93	03/10/93	03/04/93	03/03/93
	ES ID	MW-40	MW-40	MW-40	MW-41
	LAB ID	179727	179899	179606	179547
COMPOUND	UNITS				
Volatile Organic Compounds					
Chloromethane	ug/L			0.5 U	0.5 U
Bromomethane	ug/L			0.5 U	0.5 U
Vinyl Chloride	ug/L			0.5 U	0.5 U
Chloroethane	ug/L			0.5 U	0.5 U
Methylene Chloride	ug/L			0.5 U	0.5 U
Acetone	ug/L			5 U	5 U
Carbon Disulfide	ug/L			0.5 U	0.5 U
1,1-Dichloroethene	ug/L			0.5 U	0.5 U
1,1-Dichloroethane	ug/L			0.5 U	0.5 U
trans-1,2-Dichloroethene	ug/L			0.5 U	0.5 U
cis-1,2-Dichloroethene	ug/L			0.5 U	0.5 U
1,2-Dichloroethene (total)	ug/L				
Chloroform	ug/L			0.5 U	0.5 U
1,2-Dichloroethane	ug/L			0.5 U	0.5 U
2-Butanone	ug/L			5 U	5 U
1,1,1-Trichloroethane	ug/L			0.5 U	0.5 U
Carbon Tetrachloride	ug/L			0.5 U	0.5 U
Vinyl Acetate	ug/L				
Bromodichloromethane	ug/L			0.5 U	0.5 U
1,2-Dichloropropane	ug/L			0.5 U	0.5 U
cis-1,3-Dichloropropene	ug/L			0.5 U	0.5 U
Trichloroethene	ug/L			0.5 U	0.5 U
Dibromochloromethane	ug/L			0.5 U	0.5 U
1,1,2-Trichloroethane	ug/L			0.5 U	0.5 U
Benzene	ug/L			0.5 U	0.5 U
trans-1,3-Dichloropropene	ug/L			0.5 U	0.5 U
Bromoform	ug/L			0.5 U	0.5 U
4-Methyl-2-Pentanone	ug/L			5 U	5 U
2-Hexanone	ug/L			5 U	5 U
Tetrachloroethene	ug/L			0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	ug/L			0.5 U	0.5 U
Toluene	ug/L			0.5 U	0.5 U
Chlorobenzene	ug/L			0.5 U	0.5 U
Ethylbenzene	ug/L			0.5 U	0.5 U
Styrene	ug/L			0.5 U	0.5 U
Xylene (total)	ug/L			0.5 U	0.5 U
Dichlorodifluoromethane	ug/L			0.5 U	0.5 U
Trichlorofluoromethane	ug/L			0.5 U	0.5 U
2,2-Dichloropropane	ug/L			0.5 U	0.5 U
Bromochloromethane	ug/L			0.5 U	0.5 U
1,1-Dichloropropene	ug/L			0.5 U	0.5 U
Dibromomethane	ug/L			0.5 U	0.5 U
1,3-Dichloropropane	ug/L			0.5 U	0.5 U
1,2-Dibromoethane	ug/L			0.5 U	0.5 U
1,1,1,2-Tetrachloroethane	ug/L			0.5 U	0.5 U
Isopropylbenzene	ug/L			0.5 U	0.5 U
Bromobenzene	ug/L			0.5 U	0.5 U
1,2,3-Trichloropropane	ug/L			0.5 U	0.5 U
n-Propylbenzene	ug/L			0.5 U	0.5 U
2-Chlorotoluene	ug/L			0.5 U	0.5 U
4-Chlorotoluene	ug/L			0.5 U	0.5 U
1,3,5-Trimethylbenzene	ug/L			0.5 U	0.5 U
tert-Butylbenzene	ug/L			0.5 U	0.5 U
1,2,4-Trimethylbenzene	ug/L			0.5 U	0.5 U
sec-Butylbenzene	ug/L			0.5 U	0.5 U
1,3-Dichlorobenzene	ug/L			0.5 U	0.5 U
1,4-Dichlorobenzene	ug/L			0.5 U	0.5 U
p-Isopropyltoluene	ug/L			0.5 U	0.5 U
1,2-Dichlorobenzene	ug/L			0.5 U	0.5 U
n-Butylbenzene	ug/L			0.5 U	0.5 U
1,2-Dibromo-3-Chloropropane	ug/L			0.5 U	0.5 U
1,2,4-Trichlorobenzene	ug/L			0.5 U	0.5 U
Hexachlorobutadiene	ug/L			0.5 U	0.5 U
Naphthalene	ug/L			0.5 U	0.5 U
1,2,3-Trichlorobenzene	ug/L			0.5 U	0.5 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

	MATRIX	PHASE II WATER	PHASE II WATER	PHASE II WATER	PHASE II WATER
	LOCATION	OB	OB	OB	OB
	DATE	03/08/93	03/10/93	03/04/93	03/03/93
	ES ID	MW-40	MW-40	MW-40	MW-41
	LAB ID	179727	179899	179606	179547
COMPOUND	UNITS				
Semivolatiles					
Phenol	ug/L				
bis(2-Chloroethyl) ether	ug/L				
2-Chlorophenol	ug/L				
1,3-Dichlorobenzene	ug/L				
1,4-Dichlorobenzene	ug/L				
Benzyl Alcohol	ug/L				
1,2-Dichlorobenzene	ug/L				
2-Methylphenol	ug/L				
2,2'-oxybis(1-Chloropropane)	ug/L				
4-Methylphenol	ug/L				
N-Nitroso-di-n-propylamine	ug/L				
Hexachloroethane	ug/L				
Nitrobenzene	ug/L				
Isophorone	ug/L				
2-Nitrophenol	ug/L				
2,4-Dimethylphenol	ug/L				
Benzoic acid	ug/L				
bis(2-Chloroethoxy) methane	ug/L				
2,4-Dichlorophenol	ug/L				
1,2,4-Trichlorobenzene	ug/L				
Naphthalene	ug/L				
4-Chloroaniline	ug/L				
Hexachlorobutadiene	ug/L				
4-Chloro-3-methylphenol	ug/L				
2-Methylnaphthalene	ug/L				
Hexachlorocyclopentadiene	ug/L				
2,4,6-Trichlorophenol	ug/L				
2,4,5-Trichlorophenol	ug/L				
2-Chloronaphthalene	ug/L				
2-Nitroaniline	ug/L				
Dimethylphthalate	ug/L				
Acenaphthylene	ug/L				
2,6-Dinitrotoluene	ug/L				
3-Nitroaniline	ug/L				
Acenaphthene	ug/L				
2,4-Dinitrophenol	ug/L				
4-Nitrophenol	ug/L				
Dibenzofuran	ug/L				
2,4-Dinitrotoluene	ug/L				
Diethylphthalate	ug/L				
4-Chlorophenyl-phenylether	ug/L				
Fluorene	ug/L				
4-Nitroaniline	ug/L				
4,6-Dinitro-2-methylphenol	ug/L				
N-Nitrosodiphenylamine	ug/L				
4-Bromophenyl-phenylether	ug/L				
Hexachlorobenzene	ug/L				
Pentachlorophenol	ug/L				
Phenanthrene	ug/L				
Anthracene	ug/L				
Carbazole	ug/L				
Di-n-butylphthalate	ug/L				
Fluoranthene	ug/L				
Pyrene	ug/L				
Butylbenzylphthalate	ug/L				
3,3'-Dichlorobenzidine	ug/L				
Benzo(a)anthracene	ug/L				
Chrysene	ug/L				
bis(2-Ethylhexyl)phthalate	ug/L				
Di-n-octylphthalate	ug/L				
Benzo(b)fluoranthene	ug/L				
Benzo(k)fluoranthene	ug/L				
Benzo(a)pyrene	ug/L				
Indeno(1,2,3-cd)pyrene	ug/L				
Dibenz(a,h)anthracene	ug/L				
Benzo(g,h,i)perylene	ug/L				

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

		PHASE II	PHASE II	PHASE II	PHASE II
	MATRIX	WATER	WATER	WATER	WATER
	LOCATION	OB	OB	OB	OB
	DATE	03/08/93	03/10/93	03/04/93	03/03/93
	ES ID	MW-40	MW-40	MW-40	MW-41
	LAB ID	179727	179899	179606	179547
COMPOUND	UNITS				
Pesticides/PCBs					
alpha-BHC	ug/L				
beta-BHC	ug/L				
delta-BHC	ug/L				
gamma-BHC (Lindane)	ug/L				
Heptachlor	ug/L				
Aldrin	ug/L				
Heptachlor epoxide	ug/L				
Endosulfan I	ug/L				
Dieldrin	ug/L				
4,4'-DDE	ug/L				
Endrin	ug/L				
Endosulfan II	ug/L				
4,4'-DDD	ug/L				
Endosulfan sulfate	ug/L				
4,4'-DDT	ug/L				
Methoxychlor	ug/L				
Endrin ketone	ug/L				
Endrin aldehyde	ug/L				
alpha-Chlordane	ug/L				
gamma-Chlordane	ug/L				
Toxaphene	ug/L				
Aroclor-1016	ug/L				
Aroclor-1221	ug/L				
Aroclor-1232	ug/L				
Aroclor-1242	ug/L				
Aroclor-1248	ug/L				
Aroclor-1254	ug/L				
Aroclor-1260	ug/L				
Explosives					
HMX	ug/L				
RDX	ug/L				
1,3,5-Trinitrobenzene	ug/L				
1,3-Dinitrobenzene	ug/L				
Tetryl	ug/L				
2,4,6-Trinitrotoluene	ug/L				
4-amino-2,6-Dinitrotoluene	ug/L				
2-amino-4,6-Dinitrotoluene	ug/L				
2,6-Dinitrotoluene	ug/L				
2,4-Dinitrotoluene	ug/L				

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)

COMPOUND	MATRIX / LOCATION / DATE / ES ID / LAB ID	UNITS	PHASE II WATER OB 03/08/93 MW-40 179727	PHASE II WATER OB 03/10/93 MW-40 179899	PHASE II WATER OB 03/04/93 MW-40 179606	PHASE II WATER OB 03/03/93 MW-41 179547
Metals						
Aluminum		ug/l	647			
Antimony		ug/l	53.6 U			
Arsenic		ug/l	1.7 U			
Barium		ug/l	53.3 J			
Beryllium		ug/l	0.3 U			
Cadmium		ug/l	3.1 U			
Calcium		ug/l	129000			
Chromium		ug/l	2 U			
Cobalt		ug/l	5 U			
Copper		ug/l	1.9 U			
Iron		ug/l	653			
Lead		ug/l	0.9 U			
Magnesium		ug/l	16100			
Manganese		ug/l	148			
Mercury		ug/l	0.06 U			
Nickel		ug/l	4.7 J			
Potassium		ug/l	442 U			
Selenium		ug/l	1.1 U			
Silver		ug/l	3.2 U			
Sodium		ug/l	6950			
Thallium		ug/l	2.6 U			
Vanadium		ug/l	2.1 U			
Zinc		ug/l	4.4 R			
Cyanide		ug/l	NR	32.5		

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SURFACE WATER

COMPOUND	MATRIX LOCATION DATE ES ID LAB ID UNITS	PHASE I WATER SW-110 11/07/91 W0711-37 148628	PHASE I WATER SW-120 11/07/91 W0711-44 148635	PHASE I WATER SW-120 12/12/91 W1012118 150997	PHASE I WATER SW-120 11/12/91 W1012118 150997	PHASE I WATER SW-120 12/12/91 W1012118RE 150997	PHASE I WATER SW-130 11/07/91 W0711-53 148641	PHASE I WATER SW-140 11/07/91 W0711-62 148647
Volatile Organic Compounds								
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	5 U	5 U	5 U			5 U	5 U
Acetone	ug/L	10 U	10 U	10			10 U	10 U
Carbon Disulfide	ug/L	5 U	5 U	5 U			5 U	5 U
1,1-Dichloroethene	ug/L	5 U	5 U	5 U			5 U	5 U
1,1-Dichloroethane	ug/L	5 U	5 U	5 U			5 U	5 U
1,2-Dichloroethene (total)	ug/L	5 U	5 U	5 U			5 U	5 U
Chloroform	ug/L	5 U	5 U	5 U			5 U	5 U
1,2-Dichloroethane	ug/L	5 U	5 U	5 U			5 U	2 J
2-Butanone	ug/L	10 U	10 U	10 U			10 U	10 U
1,1,1-Trichloroethane	ug/L	5 U	5 U	5 U			5 U	5 U
Carbon Tetrachloride	ug/L	5 U	5 U	5 U			5 U	5 U
Vinyl Acetate	ug/L	10 U	10 U	10 U			10 U	10 U
Bromodichloromethane	ug/L	5 U	5 U	5 U			5 U	5 U
1,2-Dichloropropane	ug/L	5 U	5 U	5 U			5 U	5 U
cis-1,3-Dichloropropene	ug/L	5 U	5 U	5 U			5 U	5 U
Trichloroethene	ug/L	5 U	5 U	5 U			5 U	5 U
Dibromochloromethane	ug/L	5 U	5 U	5 U			5 U	5 U
1,1,2-Trichloroethane	ug/L	5 U	5 U	5 U			5 U	5 U
Benzene	ug/L	5 U	5 U	5 U			5 U	5 U
trans-1,3-Dichloropropene	ug/L	5 U	5 U	5 U			5 U	5 U
Bromoform	ug/L	5 U	5 U	5 U			5 U	5 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	5 U	5 U	5 U			5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	5 U			5 U	5 U
Toluene	ug/L	5 U	5 U	5 U			5 U	5 U
Chlorobenzene	ug/L	5 U	5 U	5 U			5 U	5 U
Ethylbenzene	ug/L	5 U	5 U	5 U			5 U	5 U
Styrene	ug/L	5 U	5 U	5 U			5 U	5 U
Xylene (total)	ug/L	5 U	5 U	5 U			5 U	5 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SURFACE WATER

	MATRIX	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER
	LOCATION	SW-110	SW-120	SW-120	SW-120	SW-120	SW-130	SW-140
	DATE	11/07/91	11/07/91	12/12/91	11/12/91	12/12/91	11/07/91	11/07/91
	ES ID	W0711-37	W0711-44	W1012118	W1012118	W1012118RE	W0711-53	W0711-62
	LAB ID	148628	148635	150997	150997	150997	148641	148647
COMPOUND	UNITS							
Semivolatiles								
Phenol	ug/L	10 U	11 U	10 U	10 U		10 U	10 U
bis(2-Chloroethyl) ether	ug/L	10 U	11 U	10 U	10 U		10 U	10 U
2-Chlorophenol	ug/L	10 U	11 U	10 U	10 U		10 U	10 U
1,3-Dichlorobenzene	ug/L	10 U	11 U	10 U	10 U		10 U	10 U
1,4-Dichlorobenzene	ug/L	10 U	11 U	10 U	10 U		10 U	10 U
Benzyl Alcohol	ug/L	10 U	11 U	10 U	10 U		10 U	10 U
1,2-Dichlorobenzene	ug/L	10 U	11 U	10 U	10 U		10 U	10 U
2-Methylphenol	ug/L	10 U	11 U	10 U	10 U		10 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	11 U	10 U	10 U		10 U	10 U
4-Methylphenol	ug/L	10 U	11 U	10 U	10 U		10 U	10 U
N-Nitroso-di-n-propylamine	ug/L	10 U	11 U	10 U	10 U		10 U	10 U
Hexachloroethane	ug/L	10 U	11 U	10 U	10 U		10 U	10 U
Nitrobenzene	ug/L	10 U	11 U	10 U	10 U		10 U	10 U
Isophorone	ug/L	10 U	11 U	10 U	10 U		10 U	10 U
2-Nitrophenol	ug/L	10 U	11 U	10 U	10 U		10 U	10 U
2,4-Dimethylphenol	ug/L	10 U	11 U	10 U	10 U		10 U	10 U
Benzoic acid	ug/L	50 U	54 U	50 U	50 U		50 U	51 U
bis(2-Chloroethoxy) methane	ug/L	10 U	11 U	10 U	10 U		10 U	10 U
2,4-Dichlorophenol	ug/L	10 U	11 U	10 U	10 U		10 U	10 U
1,2,4-Trichlorobenzene	ug/L	10 U	11 U	10 U	10 U		10 U	10 U
Naphthalene	ug/L	10 U	11 U	10 U	10 U		10 U	10 U
4-Chloroaniline	ug/L	10 U	11 U	10 U	10 U		10 U	10 U
Hexachlorobutadiene	ug/L	10 U	11 U	10 U	10 U		10 U	10 U
4-Chloro-3-methylphenol	ug/L	10 U	11 U	10 U	10 U		10 U	10 U
2-Methylnaphthalene	ug/L	10 U	11 U	10 U	10 U		10 U	10 U
Hexachlorocyclopentadiene	ug/L	10 U	11 U	10 U	10 U		10 U	10 U
2,4,6-Trichlorophenol	ug/L	10 U	11 U	10 U	10 U		10 U	10 U
2,4,5-Trichlorophenol	ug/L	50 U	54 U	50 U	50 U		50 U	51 U
2-Chloronaphthalene	ug/L	10 U	11 U	10 U	10 U		10 U	10 U
2-Nitroaniline	ug/L	50 U	54 U	50 U	50 U		50 U	51 U
Dimethylphthalate	ug/L	10 U	11 U	10 U	10 U		10 U	10 U
Acenaphthylene	ug/L	10 U	11 U	10 U	10 U		10 U	10 U
2,6-Dinitrotoluene	ug/L	10 U	11 U	10 U	10 U		10 U	10 U
3-Nitroaniline	ug/L	50 U	54 U	50 U			50 U	51 U
Acenaphthene	ug/L	10 U	11 U	10 U			10 U	10 U
2,4-Dinitrophenol	ug/L	50 U	54 U	50 U			50 U	51 U
4-Nitrophenol	ug/L	50 U	54 U	50 U			50 U	51 U
Dibenzofuran	ug/L	10 U	11 U	10 U			10 U	10 U
2,4-Dinitrotoluene	ug/L	10 U	11 U	10 U			10 U	10 U
Diethylphthalate	ug/L	10 U	11 U	10 U			10 U	10 U
4-Chlorophenyl-phenylether	ug/L	10 U	11 U	10 U			10 U	10 U
Fluorene	ug/L	10 U	11 U	10 U			10 U	10 U
4-Nitroaniline	ug/L	50 U	54 U	50 U			50 U	51 U
4,6-Dinitro-2-methylphenol	ug/L	50 U	54 U	50 U			50 U	51 U
N-Nitrosodiphenylamine (1)	ug/L	10 U	11 U	10 U			10 U	10 U
4-Bromophenyl-phenylether	ug/L	10 U	11 U	10 U			10 U	10 U
Hexachlorobenzene	ug/L	10 U	11 U	10 U			10 U	10 U
Pentachlorophenol	ug/L	50 U	54 U	50 U			50 U	51 U
Phenanthrene	ug/L	10 U	11 U	10 U			10 U	10 U
Anthracene	ug/L	10 U	11 U	10 U			10 U	10 U
Carbazole	ug/L							
Di-n-butylphthalate	ug/L	10 U	11 U	10 U			10 U	10 U
Fluoranthene	ug/L	10 U	11 U	10 U			10 U	10 U
Pyrene	ug/L	10 U	11 U	10 U			10 U	10 U
Butylbenzylphthalate	ug/L	10 U	11 U	10 U			10 U	10 U
3,3'-Dichlorobenzidine	ug/L	20 U	22 U	20 U			20 U	20 U
Benzo(a)anthracene	ug/L	10 U	11 U	10 U			10 U	10 U
Chrysene	ug/L	10 U	11 U	10 U			10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	11 U	10 U			10 U	10 U
Di-n-octylphthalate	ug/L	10 U	11 U	10 U			10 U	10 U
Benzo(b)fluoranthene	ug/L	10 U	11 U	10 U			10 U	10 U
Benzo(k)fluoranthene	ug/L	10 U	11 U	10 U			10 U	10 U
Benzo(a)pyrene	ug/L	10 U	11 U	10 U			10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	11 U	10 U			10 U	10 U
Dibenz(a,h)anthracene	ug/L	10 U	11 U	10 U			10 U	10 U
Benzo(g,h,i)perylene	ug/L	10 U	11 U	10 U			10 U	10 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SURFACE WATER

	MATRIX	PHASE I	PHASE I	PHASE I	PHASE I	PHASE I	PHASE I	PHASE I
	LOCATION	WATER SW-110	WATER SW-120	WATER SW-120	WATER SW-120	WATER SW-120	WATER SW-130	WATER SW-140
	DATE	11/07/91	11/07/91	12/12/91	11/12/91	12/12/91	11/07/91	11/07/91
	ES ID	W0711-37	W0711-44	W1012118	W1012118	W1012118RE	W0711-53	W0711-62
	LAB ID	148628	148635	150997	150997	150997	148641	148647
COMPOUND	UNITS							
Pesticides/PCBs								
alpha-BHC	ug/L	0.05 U	0.056 U	0.05 U	0.05 U R		0.053 U	0.054 U
beta-BHC	ug/L	0.05 U	0.056 U	0.05 U	0.05 U R		0.053 U	0.054 U
delta-BHC	ug/L	0.05 U	0.056 U	0.05 U	0.05 U R		0.053 U	0.054 U
gamma-BHC (Lindane)	ug/L	0.05 U	0.056 U	0.05 U	0.05 U R		0.053 U	0.054 U
Heptachlor	ug/L	0.05 U	0.056 U	0.05 U	0.05 U R		0.053 U	0.054 U
Aldrin	ug/L	0.05 U	0.056 U	0.05 U	0.05 U R		0.053 U	0.054 U
Heptachlor epoxide	ug/L	0.05 U	0.056 U	0.05 U	0.05 U R		0.053 U	0.054 U
Endosulfan I	ug/L	0.05 U	0.056 U	0.05 U	0.05 U R		0.053 U	0.054 U
Dieldrin	ug/L	0.099 U	0.11 U	0.1 U	0.1 U R		0.11 U	0.11 U
4,4'-DDE	ug/L	0.099 U	0.11 U	0.1 U	0.1 U R		0.11 U	0.11 U
Endrin	ug/L	0.099 U	0.11 U	0.1 U	0.1 U R		0.11 U	0.11 U
Endosulfan II	ug/L	0.099 U	0.11 U	0.1 U	0.1 U R		0.11 U	0.11 U
4,4'-DDD	ug/L	0.099 U	0.11 U	0.1 U	0.1 U R		0.11 U	0.11 U
Endosulfan sulfate	ug/L	0.099 U	0.11 U	0.1 U	0.1 U R		0.11 U	0.11 U
4,4'-DDT	ug/L	0.099 U	0.11 U	0.1 U	0.1 U R		0.11 U	0.11 U
Methoxychlor	ug/L	0.5 U	0.56 U	0.5 U	0.5 U R		0.53 U	0.54 U
Endrin ketone	ug/L	0.099 U	0.11 U	0.1 U	0.1 U R		0.11 U	0.11 U
Endrin aldehyde	ug/L							
alpha-Chlordane	ug/L	0.5 U	0.56 U	0.5 U	0.5 U R		0.53 U	0.54 U
gamma-Chlordane	ug/L	0.5 U	0.56 U	0.5 U	0.5 U R		0.53 U	0.54 U
Toxaphene	ug/L	0.99 U	1.1 U	1 U	1 U R		1.1 U	1.1 U
Aroclor-1016	ug/L	0.5 U	0.56 U	0.5 U	0.5 U R		0.53 U	0.54 U
Aroclor-1221	ug/L	0.5 U	0.56 U	0.5 U	0.5 U R		0.53 U	0.54 U
Aroclor-1232	ug/L	0.5 U	0.56 U	0.5 U	0.5 U R		0.53 U	0.54 U
Aroclor-1242	ug/L	0.5 U	0.56 U	0.5 U	0.5 U R		0.53 U	0.54 U
Aroclor-1248	ug/L	0.5 U	0.56 U	0.5 U	0.5 U R		0.53 U	0.54 U
Aroclor-1254	ug/L	0.99 U	1.1 U	1 U	1 U R		1.1 U	1.1 U
Aroclor-1260	ug/L	0.99 U	1.1 U	1 U	1 U R		1.1 U	1.1 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SURFACE WATER

	MATRIX	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER
	LOCATION	SW-110	SW-120	SW-120	SW-120	SW-120	SW-130	SW-140
	DATE	11/07/91	11/07/91	12/12/91	11/12/91	12/12/91	11/07/91	11/07/91
	ES ID	W0711-37	W0711-44	W1012118	W1012118	W1012118RE	W0711-53	W0711-62
	LAB ID	148628	148635	150997	150997	150997	148641	148647
COMPOUND	UNITS							
Explosives								
HMX	ug/L	0.12 U	0.12 U	1 U			0.12 U	0.12 U
RDX	ug/L	0.12 U	0.67	0.12 U			0.12 U	0.12 U
1,3,5-Trinitrobenzene	ug/L	0.12 U	0.12 U	0.12 U			0.12 U	0.12 U
1,3-Dinitrobenzene	ug/L	0.12 U	0.12 U	0.12 U			0.12 U	0.12 U
Tetryl	ug/L	0.12 U	0.12 U	0.4 U			0.12 U	0.12 U
2,4,6-Trinitrotoluene	ug/L	0.12 U	0.12 U	0.12 U			0.12 U	0.12 U
4-amino-2,6-Dinitrotoluene	ug/L	0.12 U	0.12 U	0.12 U			0.12 U	0.12 U
2-amino-4,6-Dinitrotoluene	ug/L	0.12 U	0.12 U	0.12 U			0.12 U	0.12 U
2,6-Dinitrotoluene	ug/L	0.12 U	0.12 U	0.12 U			0.12 U	0.12 U
2,4-Dinitrotoluene	ug/L	0.12 U	0.12 U	0.12 U			0.12 U	0.12 U
Metals								
Aluminum	ug/L	109 U	300	102 J			109 U	109 U
Antimony	ug/L	53.4 U	53 U	55.5 U J			53.1 U	53.4 U
Arsenic	ug/L	2.8 U	2.8 U	2.9 U J			2.8 U	2.8 U
Barium	ug/L	66.6 J	65.7 J	48.9 J			52.3 J	51.2 J
Beryllium	ug/L	3.5 U	3.5 U	1.4 J			3.5 U	3.5 U
Cadmium	ug/L	4.7 U	4.7 U	3 U J			4.7 U	4.7 U
Calcium	ug/L	121000	114000	96000 J			100000	87100
Chromium	ug/L	9.6 U	9.5 U	6.1 U J			9.5 U	9.6 U
Cobalt	ug/L	31.3 U	31.1 U	19.8 U J			31.1 U	31.3 U
Copper	ug/L	19.7 U	19.6 U	14.4 U J			19.6 U	19.7 U
Iron	ug/L	98.4 J	670	142 J			236	314
Lead	ug/L	0.7 U	2.2 J	1.2 U J			0.7 U	0.7 U
Magnesium	ug/L	18700	17300	13700 J			14400	12800
Manganese	ug/L	14.6 J	121	43.7 J			34.5	68.4
Mercury	ug/L	0.08 U	0.08 U	0.08 U J			0.08 U	0.08 U
Nickel	ug/L	35.2 U	34.9 U	15.8 U J			35 U	35.2 U
Potassium	ug/L	3800 J	3800 J	949 J			3070 J	3000 J
Selenium	ug/L	1.7 U	1.7 U	1 U J			1.7 U	1.7 U
Silver	ug/L	8 U	7.9 U	9 U J			8 U	8 U
Sodium	ug/L	26500	24700	21900 J			24100	23100
Thallium	ug/L	2.8 U	2.8 U	2.8 U J			2.8 U	2.8 U
Vanadium	ug/L	30.9 U	30.7 U	30.3 U J			30.7 U	30.9 U
Zinc	ug/L	13.6 U	15.1 R	14.1 R			13.5 U	13.6 U
Cyanide	ug/L	10 U	10 U	10 U J			10 U	10 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SURFACE WATER

COMPOUND	MATRIX / LOCATION / DATE / ES ID / LAB ID	UNITS	PHASE I WATER SW-150 11/08/91 W0811-71 148653	PHASE I WATER SW-150 11/08/91 W0811-80 148659	PHASE I WATER SW-150 11/15/91 W1411-81A 149064	PHASE I WATER SW-160 11/12/91 W1211-96 148903	PHASE I WATER SW-160 DL 1114/91 W1211-96DL 148903	PHASE I WATER SW-170 11/12/91 W1211-97 148904	PHASE I WATER SW-180 12/12/91 W1012117 150996
Volatile Organic Compounds									
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	5 U	5 U		5 U		5 U	5 U
Acetone		ug/L	10 U	10 U		10 U		12 U	35
Carbon Disulfide		ug/L	5 U	5 U		5 U		5 U	5 U
1,1-Dichloroethene		ug/L	5 U	5 U		5 U		5 U	5 U
1,1-Dichloroethane		ug/L	5 U	5 U		5 U		5 U	5 U
1,2-Dichloroethene (total)		ug/L	5 U	5 U		5 U		5 U	5 U
Chloroform		ug/L	5 U	5 U		5 U		5 U	5 U
1,2-Dichloroethane		ug/L	5 U	5 U		5 U		5 U	5 U
2-Butanone		ug/L	10 U	10 U		10 U		10 U	10 U
1,1,1-Trichloroethane		ug/L	5 U	5 U		5 U		5 U	5 U
Carbon Tetrachloride		ug/L	5 U	5 U		5 U		5 U	5 U
Vinyl Acetate		ug/L	10 U	10 U		10 U		10 U	10 U
Bromodichloromethane		ug/L	5 U	5 U		5 U		5 U	5 U
1,2-Dichloropropane		ug/L	5 U	5 U		5 U		5 U	5 U
cis-1,3-Dichloropropene		ug/L	5 U	5 U		5 U		5 U	5 U
Trichloroethene		ug/L	5 U	5 U		5 U		5 U	5 U
Dibromochloromethane		ug/L	5 U	5 U		5 U		5 U	5 U
1,1,2-Trichloroethane		ug/L	5 U	5 U		5 U		5 U	5 U
Benzene		ug/L	5 U	5 U		5 U		5 U	5 U
trans-1,3-Dichloropropene		ug/L	5 U	5 U		5 U		5 U	5 U
Bromoform		ug/L	5 U	5 U		5 U		5 U	5 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	5 U	5 U		5 U		5 U	5 U
1,1,2,2-Tetrachloroethane		ug/L	5 U	5 U		5 U		5 U	5 U
Toluene		ug/L	5 U	5 U		5 U		5 U	5 U
Chlorobenzene		ug/L	5 U	5 U		5 U		5 U	5 U
Ethylbenzene		ug/L	5 U	5 U		5 U		5 U	5 U
Styrene		ug/L	5 U	5 U		5 U		5 U	5 U
Xylene (total)		ug/L	5 U	5 U		5 U		5 U	5 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SURFACE WATER

	MATRIX	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER
	LOCATION	SW-150	SW-150	SW-150	SW-160	SW-160 DL	SW-170	SW-180
	DATE	11/08/91	11/08/91	11/15/91	11/12/91	1114/91	11/12/91	12/12/91
	ES ID	W0811-71	W0811-80	W1411-81A	W1211-96	W1211-96DL	W1211-97	W1012117
	LAB ID	148853	148859	149064	148903	148903	148904	150996
COMPOUND	UNITS							
Semivolatiles								
Phenol	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
bis(2-Chloroethyl) ether	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
2-Chlorophenol	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
1,3-Dichlorobenzene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
1,4-Dichlorobenzene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
Benzyl Alcohol	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
1,2-Dichlorobenzene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
2-Methylphenol	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
4-Methylphenol	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
N-Nitroso-di-n-propylamine	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
Hexachloroethane	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
Nitrobenzene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
Isophorone	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
2-Nitrophenol	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
2,4-Dimethylphenol	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
Benzoic acid	ug/L	50 U	50 U	51 U	50 U		50 U	50 U
bis(2-Chloroethoxy) methane	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
2,4-Dichlorophenol	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
1,2,4-Trichlorobenzene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
Naphthalene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
4-Chloroaniline	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
Hexachlorobutadiene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
4-Chloro-3-methylphenol	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
2-Methylnaphthalene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
Hexachlorocyclopentadiene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
2,4,6-Trichlorophenol	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
2,4,5-Trichlorophenol	ug/L	50 U	50 U	51 U	50 U		50 U	50 U
2-Chloronaphthalene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
2-Nitroaniline	ug/L	50 U	50 U	51 U	50 U		50 U	50 U
Dimethylphthalate	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
Acenaphthylene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
2,6-Dinitrotoluene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
3-Nitroaniline	ug/L	50 U	50 U	51 U	50 U		50 U	50 U
Acenaphthene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
2,4-Dinitrophenol	ug/L	50 U	50 U	51 U	50 U		50 U	50 U
4-Nitrophenol	ug/L	50 U	50 U	51 U	50 U		50 U	50 U
Dibenzofuran	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
2,4-Dinitrotoluene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
Diethylphthalate	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
4-Chlorophenyl-phenylether	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
Fluorene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
4-Nitroaniline	ug/L	50 U	50 U	51 U	50 U		50 U	50 U
4,6-Dinitro-2-methylphenol	ug/L	50 U	50 U	51 U	50 U		50 U	50 U
N-Nitrosodiphenylamine (1)	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
4-Bromophenyl-phenylether	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
Hexachlorobenzene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
Pentachlorophenol	ug/L	50 U	50 U	51 U	50 U		50 U	50 U
Phenanthrene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
Anthracene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
Carbazole	ug/L							
Di-n-butylphthalate	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
Fluoranthene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
Pyrene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
Butylbenzylphthalate	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
3,3'-Dichlorobenzidine	ug/L	20 U	20 U	20 U	20 U		20 U	20 U
Benzo(a)anthracene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
Chrysene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
Di-n-octylphthalate	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
Benzo(b)fluoranthene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
Benzo(k)fluoranthene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
Benzo(a)pyrene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
Dibenz(a,h)anthracene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U
Benzo(g,h,i)perylene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SURFACE WATER

COMPOUND	MATRIX / LOCATION / DATE / ES ID / LAB ID	UNITS	PHASE I WATER SW-150 11/08/91 W0811-71 148653	PHASE I WATER SW-150 11/08/91 W0811-80 148659	PHASE I WATER SW-150 11/15/91 W1411-81A 149064	PHASE I WATER SW-160 11/12/91 W1211-96 148903	PHASE I WATER SW-160 DL 1114/91 W1211-96DL 148903	PHASE I WATER SW-170 11/12/91 W1211-97 148904	PHASE I WATER SW-180 12/12/91 W1012117 150996
Pesticides/PCBs									
alpha-BHC		ug/L	0.051 U	0.05 U		0.05 U		0.05 U	0.05 U
beta-BHC		ug/L	0.051 U	0.05 U		0.05 U		0.05 U	0.05 U
delta-BHC		ug/L	0.051 U	0.05 U		0.05 U		0.05 U	0.05 U
gamma-BHC (Lindane)		ug/L	0.051 U	0.05 U		0.05 U		0.05 U	0.05 U
Heptachlor		ug/L	0.051 U	0.05 U		0.05 U		0.05 U	0.05 U
Aldrin		ug/L	0.051 U	0.05 U		0.05 U		0.05 U	0.05 U
Heptachlor epoxide		ug/L	0.051 U	0.05 U		0.05 U		0.05 U	0.05 U
Endosulfan I		ug/L	0.051 U	0.05 U		0.05 U		0.05 U	0.05 U
Dieldrin		ug/L	0.1 U	0.099 U		0.1 U		0.1 U	0.1 U
4,4'-DDE		ug/L	0.1 U	0.099 U		0.1 U		0.1 U	0.1 U
Endrin		ug/L	0.1 U	0.099 U		0.1 U		0.1 U	0.1 U
Endosulfan II		ug/L	0.1 U	0.099 U		0.1 U		0.1 U	0.1 U
4,4'-DDD		ug/L	0.1 U	0.099 U		0.1 U		0.1 U	0.1 U
Endosulfan sulfate		ug/L	0.1 U	0.099 U		0.1 U		0.1 U	0.1 U
4,4'-DDT		ug/L	0.1 U	0.099 U		0.1 U		0.1 U	0.1 U
Methoxychlor		ug/L	0.51 U	0.5 U		0.5 U		0.5 U	0.5 U
Endrin ketone		ug/L	0.1 U	0.099 U		0.1 U		0.1 U	0.1 U
Endrin aldehyde		ug/L							
alpha-Chlordane		ug/L	0.51 U	0.5 U		0.5 U		0.5 U	0.5 U
gamma-Chlordane		ug/L	0.51 U	0.5 U		0.5 U		0.5 U	0.5 U
Toxaphene		ug/L	1 U	0.99 U		1 U		1 U	1 U
Aroclor-1016		ug/L	0.51 U	0.5 U		0.5 U		0.5 U	0.5 U
Aroclor-1221		ug/L	0.51 U	0.5 U		0.5 U		0.5 U	0.5 U
Aroclor-1232		ug/L	0.51 U	0.5 U		0.5 U		0.5 U	0.5 U
Aroclor-1242		ug/L	0.51 U	0.5 U		0.5 U		0.5 U	0.5 U
Aroclor-1248		ug/L	0.51 U	0.5 U		0.5 U		0.5 U	0.5 U
Aroclor-1254		ug/L	1 U	0.99 U		1 U		1 U	1 U
Aroclor-1260		ug/L	1 U	0.99 U		1 U		1 U	1 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SURFACE WATER

COMPOUND	MATRIX	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER
	LOCATION	SW-150	SW-150	SW-150	SW-160	SW-160 DL	SW-170	SW-180
	DATE	11/08/91	11/08/91	11/15/91	11/12/91	1114/91	11/12/91	12/12/91
	ES ID	W0811-71	W0811-80	W1411-81A	W1211-96	W1211-96DL	W1211-97	W1012117
	LAB ID	148653	148659	149064	148903	148903	148904	150996
	UNITS							
Explosives								
HMX	ug/L	0.12 U	0.12 U	1 U	1 U	5 U R	1 U	1 U
RDX	ug/L	0.12 U	0.12 U	0.12 U	9.4 R	9.4	0.67	0.12 U
1,3,5-Trinitrobenzene	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.62 U R	0.12 U	0.12 U
1,3-Dinitrobenzene	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.62 U R	0.12 U	0.12 U
Tetryl	ug/L	0.12 U	0.12 U	0.4 U	0.4 U	2 U R	0.4 U	0.4 U
2,4,6-Trinitrotoluene	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.62 U R	0.12 U	0.12 U
4-amino-2,6-Dinitrotoluene	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.62 U R	0.12 U	0.12 U
2-amino-4,6-Dinitrotoluene	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.62 U R	0.12 U	0.12 U
2,6-Dinitrotoluene	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.62 U R	0.12 U	0.12 U
2,4-Dinitrotoluene	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.62 U R	0.12 U	0.12 U
Metals								
Aluminum	ug/L	109 U	139 J		98.3 U J		98.3 U J	256 J
Antimony	ug/L	53.4 U	53.4 U		56 U J		56 U J	55.6 U J
Arsenic	ug/L	2.8 U	2.8 U		3.7 U J		3.7 U J	2.9 U J
Barium	ug/L	59.5 J	53.2 J		68.5 R		109 R	83 J
Beryllium	ug/L	3.5 U	3.5 U		1.2 U J		1.2 U J	1.2 U J
Cadmium	ug/L	4.7 U	4.7 U		3 U J		3 U J	3 U J
Calcium	ug/L	85600	83800		93300 J		78600 J	34000 J
Chromium	ug/L	9.6 U	9.5 U		6.2 U J		6.2 U J	6.2 U J
Cobalt	ug/L	31.3 U	31.1 U		20.5 U J		20.5 U J	19.9 U J
Copper	ug/L	19.7 U	19.6 U		14.5 U J		14.5 U J	19.8 J
Iron	ug/L	737	737		189 J		181 J	213 J
Lead	ug/L	1 J	1.2 J		1.4 J		3.6 J	2.1 J
Magnesium	ug/L	12900	12700		9320 J		10400 J	10900 J
Manganese	ug/L	236	230		14.9 R		12.6 R	38.5 J
Mercury	ug/L	0.11 J	0.08 U		0.08 U J		0.08 U J	0.08 U J
Nickel	ug/L	35.2 U	35 U		16 U J		16 U J	15.9 U J
Potassium	ug/L	3470 J	2800 J		1860 J		4590 J	5720 J
Selenium	ug/L	1.7 U	1.7 U		1.7 U J		1.7 U J	1 U J
Silver	ug/L	8 U	8 U		9.1 U J		9.1 U J	9.1 U J
Sodium	ug/L	22900 U	22500		4170 J		4850 U J	618 J
Thallium	ug/L	2.8 U	2.8 U		2.8 U J		2.8 U J	2.8 U J
Vanadium	ug/L	30.9 U	30.7 U		37.2 J		33 J	30.5 U J
Zinc	ug/L	13.6 U	13.5 U		13.5 U J		13.5 U J	13.4 U J
Cyanide	ug/L	10 U	10 U		10 U		10 U	10 U J

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SURFACE WATER

	MATRIX	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER
	LOCATION	SW-180	SW-191	SW-192	SW-193	SW-194	SW-195	SW-196
	DATE	12/12/91	11/08/91	11/13/91	11/13/91	11/13/91	11/13/91	11/12/91
	ES ID	W1012117RE	W0611-13	W1311-103	W1311-100	W1311-101	W1311-102	W1211-98
	LAB ID	150996R1	148595	149062	149059	149060	149061	148905
COMPOUND	UNITS							
Volatile Organic Compounds								
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		5 U	5 U	5 U	5 U	5 U	5 U
Acetone	ug/L		10 U	14 U	14 U	13 U	11 U	10 U
Carbon Disulfide	ug/L		5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	ug/L		5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	ug/L		5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	ug/L		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	ug/L		5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	ug/L		10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L		5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	ug/L		5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	ug/L		10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	ug/L		5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L		5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	ug/L		5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	ug/L		5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	ug/L		5 U	5 U	5 U	5 U	5 U	5 U
Benzene	ug/L		5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	ug/L		5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	ug/L		5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	ug/L		10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L		10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L		5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L		5 U	5 U	5 U	5 U	5 U	5 U
Toluene	ug/L		5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	ug/L		5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L		5 U	5 U	5 U	5 U	5 U	5 U
Styrene	ug/L		5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	ug/L		5 U	5 U	5 U	5 U	5 U	5 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SURFACE WATER

COMPOUND	MATRIX	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER
	LOCATION	SW-180	SW-191	SW-192	SW-193	SW-194	SW-195	SW-196
	DATE	12/12/91	11/08/91	11/13/91	11/13/91	11/13/91	11/13/91	11/12/91
	ES ID	W1012117RE	W0611-13	W1311-103	W1311-100	W1311-101	W1311-102	W1211-98
	LAB ID	150996R1	148595	149062	149059	149060	149061	148905
	UNITS							
Semivolatiles								
Phenol	ug/L			10 U	10 U	11 U	10 U	10 U
bis(2-Chloroethyl) ether	ug/L			10 U	10 U	11 U	10 U	10 U
2-Chlorophenol	ug/L			10 U	10 U	11 U	10 U	10 U
1,3-Dichlorobenzene	ug/L			10 U	10 U	11 U	10 U	10 U
1,4-Dichlorobenzene	ug/L			10 U	10 U	11 U	10 U	10 U
Benzyl Alcohol	ug/L			10 U	10 U	11 U	10 U	10 U
1,2-Dichlorobenzene	ug/L			10 U	10 U	11 U	10 U	10 U
2-Methylphenol	ug/L			10 U	10 U	11 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L			10 U	10 U	11 U	10 U	10 U
4-Methylphenol	ug/L			10 U	10 U	11 U	10 U	10 U
N-Nitroso-di-n-propylamine	ug/L			10 U	10 U	11 U	10 U	10 U
Hexachloroethane	ug/L			10 U	10 U	11 U	10 U	10 U
Nitrobenzene	ug/L			10 U	10 U	11 U	10 U	10 U
Isophorone	ug/L			10 U	10 U	11 U	10 U	10 U
2-Nitrophenol	ug/L			10 U	10 U	11 U	10 U	10 U
2,4-Dimethylphenol	ug/L			10 U	10 U	11 U	10 U	10 U
Benzoic acid	ug/L			50 U	52 U	54 U	50 U	50 U
bis(2-Chloroethoxy) methane	ug/L			10 U	10 U	11 U	10 U	10 U
2,4-Dichlorophenol	ug/L			10 U	10 U	11 U	10 U	10 U
1,2,4-Trichlorobenzene	ug/L			10 U	10 U	11 U	10 U	10 U
Naphthalene	ug/L			10 U	10 U	11 U	10 U	10 U
4-Chloroaniline	ug/L			10 U	10 U	11 U	10 U	10 U
Hexachlorobutadiene	ug/L			10 U	10 U	11 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L			10 U	10 U	11 U	10 U	10 U
2-Methylnaphthalene	ug/L			10 U	10 U	11 U	10 U	10 U
Hexachlorocyclopentadiene	ug/L			10 U	10 U	11 U	10 U	10 U
2,4,6-Trichlorophenol	ug/L			10 U	10 U	11 U	10 U	10 U
2,4,5-Trichlorophenol	ug/L			50 U	52 U	54 U	50 U	50 U
2-Chloronaphthalene	ug/L			10 U	10 U	11 U	10 U	10 U
2-Nitroaniline	ug/L			50 U	52 U	54 U	50 U	50 U
Dimethylphthalate	ug/L			10 U	10 U	11 U	10 U	10 U
Acenaphthylene	ug/L			10 U	10 U	11 U	10 U	10 U
2,6-Dinitrotoluene	ug/L			10 U	10 U	11 U	10 U	10 U
3-Nitroaniline	ug/L		51 U	50 U	52 U	54 U	50 U	50 U
Acenaphthene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U
2,4-Dinitrophenol	ug/L		51 U	50 U	52 U	54 U	50 U	50 U
4-Nitrophenol	ug/L		51 U	50 U	52 U	54 U	50 U	50 U
Dibenzofuran	ug/L		10 U	10 U	10 U	11 U	10 U	10 U
2,4-Dinitrotoluene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U
Diethylphthalate	ug/L		10 U	10 U	10 U	11 U	10 U	10 U
4-Chlorophenyl-phenyl ether	ug/L		10 U	10 U	10 U	11 U	10 U	10 U
Fluorene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U
4-Nitroaniline	ug/L		51 U	50 U	52 U	54 U	50 U	50 U
4,6-Dinitro-2-methylphenol	ug/L		51 U	50 U	52 U	54 U	50 U	50 U
N-Nitrosodiphenylamine (1)	ug/L		10 U	10 U	10 U	11 U	10 U	10 U
4-Bromophenyl-phenyl ether	ug/L		10 U	10 U	10 U	11 U	10 U	10 U
Hexachlorobenzene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U
Pentachlorophenol	ug/L		51 U	50 U	52 U	54 U	50 U	50 U
Phenanthrene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U
Anthracene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U
Carbazole	ug/L							
Di-n-butylphthalate	ug/L		10 U	10 U	10 U	11 U	10 U	10 U
Fluoranthene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U
Pyrene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U
Butylbenzylphthalate	ug/L		10 U	10 U	10 U	11 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L		20 U	20 U	21 U	21 U	20 U	20 U
Benzo(a)anthracene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U
Chrysene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L		10 U	71	10 U	11 U	10 U	10 U
Di-n-octylphthalate	ug/L		10 U	10 U	10 U	11 U	10 U	10 U
Benzo(b)fluoranthene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U
Benzo(k)fluoranthene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U
Benzo(a)pyrene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U
Dibenz(a,h)anthracene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U
Benzo(g,h,i)perylene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SURFACE WATER

	MATRIX	PHASE I WATER		PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER
	LOCATION	SW-180		SW-191	SW-192	SW-193	SW-194	SW-195	SW-196	
	DATE	12/12/91		11/08/91	11/13/91	11/13/91	11/13/91	11/13/91	11/12/91	
	ES ID	W1012117RE		W0611-13	W1311-103	W1311-100	W1311-101	W1311-102	W1211-98	
	LAB ID	150996R1		148595	149062	149059	149060	149061	148905	
COMPOUND	UNITS									
Pesticides/PCBs										
alpha-BHC	ug/L	0.071 U	R	0.065 U	0.05 U	0.052 U	0.056 U	0.05 U	0.05 U	
beta-BHC	ug/L	0.071 U	R	0.065 U	0.05 U	0.052 U	0.056 U	0.05 U	0.05 U	
delta-BHC	ug/L	0.071 U	R	0.065 U	0.05 U	0.052 U	0.056 U	0.05 U	0.05 U	
gamma-BHC (Lindane)	ug/L	0.071 U	R	0.065 U	0.05 U	0.052 U	0.056 U	0.05 U	0.05 U	
Heptachlor	ug/L	0.071 U	R	0.065 U	0.05 U	0.052 U	0.056 U	0.05 U	0.05 U	
Aldrin	ug/L	0.071 U	R	0.065 U	0.05 U	0.052 U	0.056 U	0.05 U	0.05 U	
Heptachlor epoxide	ug/L	0.071 U	R	0.065 U	0.05 U	0.052 U	0.056 U	0.05 U	0.05 U	
Endosulfan I	ug/L	0.071 U	R	0.065 U	0.05 U	0.052 U	0.056 U	0.05 U	0.05 U	
Dieldrin	ug/L	0.14 U	R	0.13 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	
4,4'-DDE	ug/L	0.14 U	R	0.13 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	
Endrin	ug/L	0.14 U	R	0.13 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	
Endosulfan II	ug/L	0.14 U	R	0.13 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	
4,4'-DDD	ug/L	0.14 U	R	0.13 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	
Endosulfan sulfate	ug/L	0.14 U	R	0.13 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	
4,4'-DDT	ug/L	0.14 U	R	0.13 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	
Methoxychlor	ug/L	0.071 U	R	0.65 U	0.5 U	0.52 U	0.56 U	0.5 U	0.5 U	
Endrin ketone	ug/L	0.14 U	R	0.13 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	
Endrin aldehyde	ug/L									
alpha-Chlordane	ug/L	0.071 U	R	0.65 U	0.5 U	0.52 U	0.56 U	0.5 U	0.5 U	
gamma-Chlordane	ug/L	0.071 U	R	0.65 U	0.5 U	0.52 U	0.56 U	0.5 U	0.5 U	
Toxaphene	ug/L	1.4 U	R	1.3 U	1 U	1 U	1.1 U	1 U	1 U	
Aroclor-1016	ug/L	0.071 U	R	0.65 U	0.5 U	0.52 U	0.56 U	0.5 U	0.5 U	
Aroclor-1221	ug/L	0.071 U	R	0.65 U	0.5 U	0.52 U	0.56 U	0.5 U	0.5 U	
Aroclor-1232	ug/L	0.071 U	R	0.65 U	0.5 U	0.52 U	0.56 U	0.5 U	0.5 U	
Aroclor-1242	ug/L	0.071 U	R	0.65 U	0.5 U	0.52 U	0.56 U	0.5 U	0.5 U	
Aroclor-1248	ug/L	0.071 U	R	0.65 U	0.5 U	0.52 U	0.56 U	0.5 U	0.5 U	
Aroclor-1254	ug/L	1.4 U	R	1.3 U	1 U	1 U	1.1 U	1 U	1 U	
Aroclor-1260	ug/L	1.4 U	R	1.3 U	1 U	1 U	1.1 U	1 U	1 U	

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SURFACE WATER

	MATRIX	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER	PHASE I WATER
	LOCATION	SW-180	SW-191	SW-192	SW-193	SW-194	SW-195	SW-196
	DATE	12/12/91	11/08/91	11/13/91	11/13/91	11/13/91	11/13/91	11/12/91
	ES ID	W1012117RE	W0811-13	W1311-103	W1311-100	W1311-101	W1311-102	W1211-98
	LAB ID	150996R1	148595	149062	149059	149060	149061	148905
COMPOUND	UNITS							
Explosives								
HMX	ug/L		0.12 U	1 U	1 U	1 U	1 U	1 U
RDX	ug/L		0.12 U	0.12 U	1.3	4.6	0.44	0.12 U
1,3,5-Trinitrobenzene	ug/L		0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
1,3-Dinitrobenzene	ug/L		0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
Tetryl	ug/L		0.12 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
2,4,6-Trinitrotoluene	ug/L		0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
4-amino-2,6-Dinitrotoluene	ug/L		0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
2-amino-4,6-Dinitrotoluene	ug/L		0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
2,6-Dinitrotoluene	ug/L		0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
2,4-Dinitrotoluene	ug/L		0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
Metals								
Aluminum	ug/L		1430	74.6 R	269 J	481	5220	97.5 U J
Antimony	ug/L		53 U	53.3 U	55.7 U J	53 U	53 U	55.5 U J
Arsenic	ug/L		2.8 U	3.7 U	4.4 J	3.9 J	3.9 J	3.7 U J
Barium	ug/L		196 J	111 J	43.5 R	69.8 J	98.7 J	52.2 U J
Beryllium	ug/L		3.5 U	1.1 U	1.2 J	1.1 U	1.3 J	1.2 U J
Cadmium	ug/L		4.7 U	3 U	3 U J	3 U	3 U	3 U J
Calcium	ug/L		183000	106000	66200 J	78000	42000	65800 J
Chromium	ug/L		9.5 U	6.2 U	6.2 U J	6.2 U	8.6 J	6.1 U J
Cobalt	ug/L		31.1 U	20.5 U	20.4 U J	20.3 U	20.4 U	20.3 U J
Copper	ug/L		24 J	20.9 J	14.4 U J	28.1	37.2	14.4 U J
Iron	ug/L		3190	152 R	319 J	741	6730	75.3 J
Lead	ug/L		74.2	6.6	0.7 U J	8.3	37.9	0.7 U J
Magnesium	ug/L		34700	16000	7290 J	7900	7340	8980 J
Manganese	ug/L		240	13.5 J	31 R	29.9	297	16.8 R
Mercury	ug/L		0.08 U	0.08 U	0.08 U J	0.09 J	0.08 U	0.08 U J
Nickel	ug/L		35 U	14.8 U	15.9 U J	14.7 U	14.7 U	15.9 U J
Potassium	ug/L		6050	2700 J	1840 J	2360 J	5960	2420 J
Selenium	ug/L		2 J	0.99 J	1.7 U J	1 U	1 U	1.7 U J
Silver	ug/L		7.9 U	3.4 U	9.1 U J	3.4 U	3.4 U	9 U J
Sodium	ug/L		13800	7720	7400 J	5250	6010	59100 J
Thallium	ug/L		2.8 U	2.8 U	2.8 U J	2.8 U	2.8 U	2.8 U J
Vanadium	ug/L		30.7 U	11.2 J	30.4 U J	11 J	19.5 J	39.2 J
Zinc	ug/L		98 R	52.3 R	13.4 U J	26.6 R	154 R	13.4 J
Cyanide	ug/L		10 U	10 U	10 U	10 U	10 U	10 J

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SURFACE WATER

	MATRIX	PHASE I	PHASE II	PHASE II	PHASE II	PHASE II	PHASE II	PHASE II
	LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	DATE	SW-197	OB	OB	OB	OB	OB	OB
	ES ID	11/13/91	12/03/92	12/03/92	12/03/92	12/03/92	12/04/92	12/04/92
	LAB ID	W1311-10⁴	SW-200	SW-210	SW-220	SW-230	SW-240	SW-250
COMPOUND	UNITS	149063	175329	175330	175331	175332	175333	175334
Volatile Organic Compounds								
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	5 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	16 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	3 J	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	5 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	5 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	5 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/L	5 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	5 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	5 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	5 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Acetate	ug/L	10 U						
Bromodichloromethane	ug/L	5 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	5 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	5 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	5 U	10 U	10 U	10 U	17	10 U	10 U
Dibromochloromethane	ug/L	5 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	5 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	5 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	5 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	ug/L	5 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	5 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	5 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	ug/L	5 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	5 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	5 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	ug/L	5 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	5 U	10 U	10 U	10 U	10 U	10 U	10 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SURFACE WATER

	MATRIX	PHASE I	PHASE II	PHASE II	PHASE II	PHASE II	PHASE II	PHASE II
	LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	DATE	SW-197	OB	OB	OB	OB	OB	OB
	ES ID	11/13/91	12/03/92	12/03/92	12/03/92	12/03/92	12/04/92	12/04/92
	LAB ID	W1311-10⁴	SW-200	SW-210	SW-220	SW-230	SW-240	SW-250
COMPOUND	UNITS	149063	175329	175330	175331	175332	175333	175334
Semivolatiles								
Phenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl) ether	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Alcohol	ug/L	10 U						
1,2-Dichlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methylphenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzoic acid	ug/L	50 U						
bis(2-Chloroethoxy) methane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	ug/L	50 U	25 U	25 U	25 U	25 U	25 U	25 U
2-Chloronaphthalene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	ug/L	50 U	25 U	25 U	25 U	25 U	25 U	25 U
Dimethylphthalate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	ug/L	50 U	25 U	25 U	25 U	25 U	25 U	25 U
Acenaphthene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	ug/L	50 U	25 U	25 U	25 U	25 U	25 U	25 U
4-Nitrophenol	ug/L	50 U	25 U	25 U	25 U	25 U	25 U	25 U
Dibenzofuran	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenyl ether	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	ug/L	50 U	25 U	25 U	25 U	25 U	25 U	25 U
4,6-Dinitro-2-methylphenol	ug/L	50 U	25 U	25 U	25 U	25 U	25 U	25 U
N-Nitrosodiphenylamine (1)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl-phenyl ether	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	ug/L	50 U	25 U	25 U	25 U	25 U	25 U	25 U
Phenanthrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	ug/L		10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butylbenzylphthalate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L	20 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SURFACE WATER

COMPOUND	MATRIX	PHASE I	PHASE II	PHASE II	PHASE II	PHASE II	PHASE II	PHASE II
	LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	DATE	SW-197	OB	OB	OB	OB	OB	OB
	ES ID	11/13/91	12/03/92	12/03/92	12/03/92	12/03/92	12/04/92	12/04/92
	LAB ID	W1311-10	SW-200	SW-210	SW-220	SW-230	SW-240	SW-250
	UNITS	149063	175329	175330	175331	175332	175333	175334
Pesticides/PCBs								
alpha-BHC	ug/L	0.05 U	0.059 U	0.069 U	0.072 U	0.056 U	0.062 U	0.064 U
beta-BHC	ug/L	0.05 U	0.059 U	0.069 U	0.072 U	0.056 U	0.062 U	0.064 U
delta-BHC	ug/L	0.05 U	0.059 U	0.069 U	0.072 U	0.056 U	0.062 U	0.064 U
gamma-BHC (Lindane)	ug/L	0.05 U	0.059 U	0.069 U	0.072 U	0.056 U	0.062 U	0.064 U
Heptachlor	ug/L	0.05 U	0.059 U	0.069 U	0.072 U	0.056 U	0.062 U	0.064 U
Aldrin	ug/L	0.05 U	0.059 U	0.069 U	0.072 U	0.056 U	0.062 U	0.064 U
Heptachlor epoxide	ug/L	0.05 U	0.059 U	0.069 U	0.072 U	0.056 U	0.062 U	0.064 U
Endosulfan I	ug/L	0.05 U	0.059 U	0.069 U	0.072 U	0.056 U	0.062 U	0.064 U
Dieldrin	ug/L	0.1 U	0.12 U	0.14 U	0.14 U	0.11 U	0.12 U	0.13 U
4,4'-DDE	ug/L	0.1 U	0.12 U	0.14 U	0.14 U	0.11 U	0.12 U	0.13 U
Endrin	ug/L	0.1 U	0.12 U	0.14 U	0.14 U	0.11 U	0.12 U	0.13 U
Endosulfan II	ug/L	0.1 U	0.12 U	0.14 U	0.14 U	0.11 U	0.12 U	0.13 U
4,4'-DDD	ug/L	0.1 U	0.12 U	0.14 U	0.14 U	0.11 U	0.12 U	0.13 U
Endosulfan sulfate	ug/L	0.1 U	0.12 U	0.14 U	0.14 U	0.11 U	0.12 U	0.13 U
4,4'-DDT	ug/L	0.1 U	0.12 U	0.14 U	0.14 U	0.11 U	0.12 U	0.13 U
Methoxychlor	ug/L	0.5 U	0.59 U	0.69 U	0.72 U	0.56 U	0.62 U	0.64 U
Endrin ketone	ug/L	0.1 U	0.12 U	0.14 U	0.14 U	0.11 U	0.12 U	0.13 U
Endrin aldehyde	ug/L		0.12 U	0.14 U	0.14 U	0.11 U	0.12 U	0.13 U
alpha-Chlordane	ug/L	0.5 U	0.059 U	0.069 U	0.072 U	0.056 U	0.062 U	0.064 U
gamma-Chlordane	ug/L	0.5 U	0.059 U	0.069 U	0.072 U	0.056 U	0.062 U	0.064 U
Toxaphene	ug/L	1 U	5.9 U	6.9 U	7.2 U	5.6 U	6.2 U	6.4 U
Aroclor-1016	ug/L	0.5 U	1.2 U	1.4 U	1.4 U	1.1 U	1.2 U	1.3 U
Aroclor-1221	ug/L	0.5 U	2.4 U	2.8 U	2.9 U	2.2 U	2.5 U	2.6 U
Aroclor-1232	ug/L	0.5 U	1.2 U	1.4 U	1.4 U	1.1 U	1.2 U	1.3 U
Aroclor-1242	ug/L	0.5 U	1.2 U	1.4 U	1.4 U	1.1 U	1.2 U	1.3 U
Aroclor-1248	ug/L	0.5 U	1.2 U	1.4 U	1.4 U	1.1 U	1.2 U	1.3 U
Aroclor-1254	ug/L	1 U	1.2 U	1.4 U	1.4 U	1.1 U	1.2 U	1.3 U
Aroclor-1260	ug/L	1 U	1.2 U	1.4 U	1.4 U	1.1 U	1.2 U	1.3 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SURFACE WATER

COMPOUND	MATRIX / LOCATION / DATE / ES ID / LAB ID / UNITS	PHASE I WATER SW-197 11/13/91 W1311-104 149063	PHASE II WATER OB 12/03/92 SW-200 175329	PHASE II WATER OB 12/03/92 SW-210 175330	PHASE II WATER OB 12/03/92 SW-220 175331	PHASE II WATER OB 12/03/92 SW-230 175332	PHASE II WATER OB 12/04/92 SW-240 175333	PHASE II WATER OB 12/04/92 SW-250 175334
Explosives								
HMX	ug/L	1 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
RDX	ug/L	0.12 U	0.24 U	0.26 U	0.17 U	0.19 U	0.22 U	0.18 U
1,3,5-Trinitrobenzene	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
1,3-Dinitrobenzene	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
Tetryl	ug/L	0.52	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
2,4,6-Trinitrotoluene	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
4-amino-2,6-Dinitrotoluene	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
2-amino-4,6-Dinitrotoluene	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
2,6-Dinitrotoluene	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
2,4-Dinitrotoluene	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
Metals								
Aluminum	ug/L	1490	273 R	62.3 U	219 R	62.3 U	62.1 U	188 R
Antimony	ug/L	53 U	53.9 U	53.9 U	53.6 U	53.8 U	53.7 U	53.8 U
Arsenic	ug/L	3.7 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Barium	ug/L	35.5 J	523	148 J	182 J	228	21.7 J	42.3 J
Beryllium	ug/L	1.1 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Cadmium	ug/L	3 U	3.1 U	3.4 R	3.4 R	3.1 U	3.1 U	3.1 U
Calcium	ug/L	24800	53400	66700	123000	151000	58000	117000
Chromium	ug/L	6.2 U	2 U	2 U	2 U	2 U	2 U	2 U
Cobalt	ug/L	20.4 U	5 U	5 U	5 U	5 U	5 U	5 U
Copper	ug/L	10.5 J	33.5	1.9 U	22.3 J	7.8 J	1.9 U	1.9 U
Iron	ug/L	2210	307 R	43.7 R	8550	130 R	82.5 R	652
Lead	ug/L	3	26.8	0.9 U	19.5	2.4 J	0.89 U	0.9 U
Magnesium	ug/L	4340 J	33600	11300	27500	59900	10700	15200
Manganese	ug/L	247	25.5	3.7 J	608	19.9	32.6	291
Mercury	ug/L	0.08 U	0.06 U	0.06 U	0.06 U	0.06 U	0.17 J	0.06 U
Nickel	ug/L	14.7 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Potassium	ug/L	5610	3580 R	1690 R	4040 R	5050 R	894 R	988 R
Selenium	ug/L	1 U	1.4 J	1.3 J	2 J	3.2 J	1.1 J	1.5 J
Silver	ug/L	3.4 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
Sodium	ug/L	1830 J	6720	2660 J	12900	34200	13100	2180 J
Thallium	ug/L	2.8 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Vanadium	ug/L	9.4 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Zinc	ug/L	39.3 R	29.5 R	4.5 R	65.8 R	17.2 R	8.1 R	21.6 R
Cyanide	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SURFACE WATER

	MATRIX	PHASE II	PHASE II	PHASE II	PHASE II	PHASE II	PHASE II	PHASE II
	LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	DATE	OB	OB	OB	OB	OB	OB	OB
	ES ID	12/07/92	12/07/92	12/07/92	12/07/92	12/08/92	12/08/92	12/08/92
	LAB ID	SW-260	SW-261	SW-270	SW-290	SW-300	SW-310	SW-320
COMPOUND	UNITS	175603	175604 DUP SW-260	175605	175606	175892	175740	175741
Volatile Organic Compounds								
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U	10 U	8 J	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Acetate	ug/L							
Bromodichloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SURFACE WATER

	MATRIX	PHASE II	PHASE II	PHASE II	PHASE II	PHASE II	PHASE II	PHASE II
	LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	DATE	OB	OB	OB	OB	OB	OB	OB
	ES ID	12/07/92	12/07/92	12/07/92	12/07/92	12/08/92	12/08/92	12/08/92
	LAB ID	SW-260	SW-261	SW-270	SW-290	SW-300	SW-310	SW-320
COMPOUND	UNITS	175603	175604 DUP SW-260	175605	175606	175892	175740	175741
Semivolatiles								
Phenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl) ether	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Alcohol	ug/L							
1,2-Dichlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methylphenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzoic acid	ug/L							
bis(2-Chloroethoxy) methane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	ug/L	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2-Chloronaphthalene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	ug/L	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Dimethylphthalate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	ug/L	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Acenaphthene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	ug/L	25 U	25 U	25 U	25 U	25 U	25 U	25 U
4-Nitrophenol	ug/L	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Dibenzofuran	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	ug/L	25 U	25 U	25 U	25 U	25 U	25 U	25 U
4,6-Dinitro-2-methylphenol	ug/L	25 U	25 U	25 U	25 U	25 U	25 U	25 U
N-Nitrosodiphenylamine (1)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	ug/L	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Phenanthrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butylbenzylphthalate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	10 U	10 U	10 U	21 U	10 U	14 U
Di-n-octylphthalate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SURFACE WATER

	MATRIX	PHASE II	PHASE II	PHASE II	PHASE II	PHASE II	PHASE II	PHASE II
	LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	DATE	OB	OB	OB	OB	OB	OB	OB
	ES ID	12/07/92	12/07/92	12/07/92	12/07/92	12/08/92	12/08/92	12/08/92
	LAB ID	SW-260	SW-261	SW-270	SW-290	SW-300	SW-310	SW-320
COMPOUND	UNITS	175603	175604 DUP SW-260	175605	175606	175892	175740	175741
Pesticides/PCBs								
alpha-BHC	ug/L	0.061 U	0.058 U	0.055 U	0.056 U	0.049 U	0.051 U	0.053 U
beta-BHC	ug/L	0.061 U	0.058 U	0.055 U	0.056 U	0.049 U	0.051 U	0.053 U
delta-BHC	ug/L	0.061 U	0.058 U	0.055 U	0.056 U	0.049 U	0.051 U	0.053 U
gamma-BHC (Lindane)	ug/L	0.061 U	0.058 U	0.055 U	0.056 U	0.049 U	0.051 U	0.053 U
Heptachlor	ug/L	0.061 U	0.058 U	0.055 U	0.056 U	0.049 U	0.051 U	0.053 U
Aldrin	ug/L	0.061 U	0.058 U	0.055 U	0.056 U	0.049 U	0.051 U	0.053 U
Heptachlor epoxide	ug/L	0.061 U	0.058 U	0.055 U	0.056 U	0.049 U	0.051 U	0.053 U
Endosulfan I	ug/L	0.061 U	0.058 U	0.055 U	0.056 U	0.049 U	0.051 U	0.053 U
Dieldrin	ug/L	0.12 U	0.12 U	0.11 U	0.11 U	0.099 U	0.1 U	0.11 U
4,4'-DDE	ug/L	0.12 U	0.12 U	0.11 U	0.11 U	0.099 U	0.1 U	0.11 U
Endrin	ug/L	0.12 U	0.12 U	0.11 U	0.11 U	0.099 U	0.1 U	0.11 U
Endosulfan II	ug/L	0.12 U	0.12 U	0.11 U	0.11 U	0.099 U	0.1 U	0.11 U
4,4'-DDD	ug/L	0.12 U	0.12 U	0.11 U	0.11 U	0.099 U	0.1 U	0.11 U
Endosulfan sulfate	ug/L	0.12 U	0.12 U	0.11 U	0.11 U	0.099 U	0.1 U	0.11 U
4,4'-DDT	ug/L	0.12 U	0.12 U	0.11 U	0.11 U	0.099 U	0.1 U	0.11 U
Methoxychlor	ug/L	0.61 U	0.58 U	0.55 U	0.56 U	0.49 U	0.51 U	0.53 U
Endrin ketone	ug/L	0.12 U	0.12 U	0.11 U	0.11 U	0.099 U	0.1 U	0.11 U
Endrin aldehyde	ug/L	0.12 U	0.12 U	0.11 U	0.11 U	0.099 U	0.1 U	0.11 U
alpha-Chlordane	ug/L	0.061 U	0.058 U	0.055 U	0.056 U	0.049 U	0.051 U	0.053 U
gamma-Chlordane	ug/L	0.061 U	0.058 U	0.055 U	0.056 U	0.049 U	0.051 U	0.053 U
Toxaphene	ug/L	6.1 U	5.8 U	5.5 U	5.6 U	4.9 U	5.1 U	5.3 U
Aroclor-1016	ug/L	1.2 U	1.2 U	1.1 U	1.1 U	0.99 U	1 U	1.1 U
Aroclor-1221	ug/L	2.4 U	2.3 U	2.2 U	2.2 U	2 U	2 U	2.1 U
Aroclor-1232	ug/L	1.2 U	1.2 U	1.1 U	1.1 U	0.99 U	1 U	1.1 U
Aroclor-1242	ug/L	1.2 U	1.2 U	1.1 U	1.1 U	0.99 U	1 U	1.1 U
Aroclor-1248	ug/L	1.2 U	1.2 U	1.1 U	1.1 U	0.99 U	1 U	1.1 U
Aroclor-1254	ug/L	1.2 U	1.2 U	1.1 U	1.1 U	0.99 U	1 U	1.1 U
Aroclor-1260	ug/L	1.2 U	1.2 U	1.1 U	1.1 U	0.99 U	1 U	1.1 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SURFACE WATER

	MATRIX	PHASE II	PHASE II	PHASE II	PHASE II	PHASE II	PHASE II	PHASE II
	LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	DATE	OB	OB	OB	OB	OB	OB	OB
	ES ID	12/07/92	12/07/92	12/07/92	12/07/92	12/08/92	12/08/92	12/08/92
	LAB ID	SW-260	SW-261	SW-270	SW-290	SW-300	SW-310	SW-320
COMPOUND	UNITS	175603	175604 DUP SW-260	175605	175606	175892	175740	175741
Explosives								
HMX	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
RDX	ug/L	0.21 U	0.2 U	0.19 U	0.24 U	0.21 U	0.15 U	0.14 U
1,3,5-Trinitrobenzene	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
1,3-Dinitrobenzene	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
Tetryl	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
2,4,6-Trinitrotoluene	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
4-amino-2,6-Dinitrotoluene	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
2-amino-4,6-Dinitrotoluene	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
2,6-Dinitrotoluene	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
2,4-Dinitrotoluene	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
Metals								
Aluminum	ug/L	553 R	665 R	62.4 U	2100	126 R	62.6 U	130 R
Antimony	ug/L	54 U	54.1 U	53.9 U	53.6 U	53.6 U	54.1 U	54.1 U
Arsenic	ug/L	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Barium	ug/L	181 J	176 J	57.7 J	112 J	51.7 J	47.2 J	51.3 J
Beryllium	ug/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Cadmium	ug/L	3.1 U	3.1 U	4.9 R	5.6 R	3.7 R	3.1 U	3.1 U
Calcium	ug/L	137000	134000	111000	138000	93800	93100	97800
Chromium	ug/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Cobalt	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Copper	ug/L	1.9 U	1.9 U	1.9 U	59.8	1.9 U	1.9 U	1.9 U
Iron	ug/L	751	1070	4730	2310	276 R	170 R	326 R
Lead	ug/L	1 J	1.5 J	0.89 U	10.8	0.9 U	0.9 U	0.89 U
Magnesium	ug/L	37600	36500	28500	33800	15500	15500	16400
Manganese	ug/L	28.4	39.6	1080	186	47	32	53
Mercury	ug/L	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Nickel	ug/L	3.5 U	3.5 U	3.5 U	5.6 J	3.5 U	3.5 U	3.5 U
Potassium	ug/L	1920 R	2280 R	499 R	2100 R	1890 R	1780 R	1300 R
Selenium	ug/L	2.4 J	2.5 J	2.1 J	2.7 J	1.2 J	1.6 J	1.4 J
Silver	ug/L	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
Sodium	ug/L	25700	24400	4240 J	7290	11900	10300	10600
Thallium	ug/L	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Vanadium	ug/L	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Zinc	ug/L	6.2 R	7.4 R	1.8 U	97.4 R	3 R	3 R	5.3 R
Cyanide	ug/L	10 U	10 U	10 U	10 U	14.9	10 U	10 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SEDIMENTS

	MATRIX	PHASE I SOIL	PHASE I SOIL	PHASE I SOIL	PHASE I SOIL	PHASE I SOIL	PHASE I SOIL
	LOCATION	SW-120	SW-120	SW-120	SW-130	SW-140	SW-150
	DATE	12/10/91	12/10/91	11/07/91	11/07/91	11/08/91	11/15/91
	ES ID	S1012118	S1012118	S0711-50	S0711-59	S0811-68	S1411-78A
	LAB ID	150995	150995	148614	148617	148618	149056
COMPOUND	UNITS						
Volatile Organic Compounds							
Chloromethane	ug/Kg	13 U		19 U	19 U	23 U	17 U
Bromomethane	ug/Kg	13 U		19 U	19 U	23 U	17 U
Vinyl Chloride	ug/Kg	13 U		19 U	19 U	23 U	17 U
Chloroethane	ug/Kg	13 U		19 U	19 U	23 U	17 U
Methylene Chloride	ug/Kg	6 U		9 U	9 U	11 U	9 U
Acetone	ug/Kg	10 J		19 U	19 U	23 U	17 U
Carbon Disulfide	ug/Kg	6 U		9 U	9 U	11 U	9 U
1,1-Dichloroethene	ug/Kg	6 U		9 U	9 U	11 U	9 U
1,1-Dichloroethane	ug/Kg	6 U		9 U	9 U	11 U	9 U
1,2-Dichloroethene (total)	ug/Kg	6 U		9 U	9 U	11 U	9 U
Chloroform	ug/Kg	2 J		9 U	9 U	11 U	9 J
1,2-Dichloroethane	ug/Kg	6 U		9 U	9 U	11 U	9 U
2-Butanone	ug/Kg	13 U		19 U	19 U	23 U	17 U
1,1,1-Trichloroethane	ug/Kg	6 U		9 U	9 U	11 U	9 U
Carbon Tetrachloride	ug/Kg	6 U		9 U	9 U	11 U	9 U
Vinyl Acetate	ug/Kg	13 U		19 U	19 U	23 U	17 U
Bromodichloromethane	ug/Kg	6 U		9 U	9 U	11 U	9 U
1,2-Dichloropropane	ug/Kg	6 U		9 U	9 U	11 U	9 U
cis-1,3-Dichloropropene	ug/Kg	6 U		9 U	9 U	11 U	9 U
Trichloroethene	ug/Kg	6 U		9 U	9 U	11 U	9 U
Dibromochloromethane	ug/Kg	6 U		9 U	9 U	11 U	9 U
1,1,2-Trichloroethane	ug/Kg	6 U		9 U	9 U	11 U	9 U
Benzene	ug/Kg	6 U		9 U	9 U	11 U	9 U
trans-1,3-Dichloropropene	ug/Kg	6 U		9 U	9 U	11 U	9 U
Bromoform	ug/Kg	6 U		9 U	9 U	11 U	9 U
4-Methyl-2-Pentanone	ug/Kg	13 U		19 U	19 U	23 U	17 U
2-Hexanone	ug/Kg	13 U		19 U	19 U	23 U	17 U
Tetrachloroethene	ug/Kg	6 U		9 U	9 U	11 U	9 U
1,1,2,2-Tetrachloroethane	ug/Kg	6 U		9 U	9 U	11 U	9 U
Toluene	ug/Kg	6 U		9 U	9 U	11 U	9 U
Chlorobenzene	ug/Kg	6 U		9 U	9 U	11 U	9 U
Ethylbenzene	ug/Kg	6 U		9 U	9 U	11 U	9 U
Styrene	ug/Kg	6 U		9 U	9 U	11 U	9 U
Xylene (total)	ug/Kg	6 U		9 U	9 U	11 U	9 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SEDIMENTS

	MATRIX	PHASE I SOIL	PHASE I SOIL	PHASE I SOIL	PHASE I SOIL	PHASE I SOIL	PHASE I SOIL
	LOCATION	SW-120	SW-120	SW-120	SW-130	SW-140	SW-150
	DATE	12/10/91	12/10/91	11/07/91	11/07/91	11/08/91	11/15/91
	ES ID	S1012118	S1012118	S0711-50	S0711-59	S0811-68	S1411-78A
	LAB ID	150995	150995	148614	148617	148618	149056
COMPOUND	UNITS						
Semivolatiles							
Phenol	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U
bis(2-Chloroethyl) ether	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U
2-Chlorophenol	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U
1,3-Dichlorobenzene	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U
1,4-Dichlorobenzene	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U
Benzyl Alcohol	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U
1,2-Dichlorobenzene	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U
2-Methylphenol	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U
4-Methylphenol	ug/Kg	350 J	350 J	810 U	3100 U	790 U	980 U
N-Nitroso-di-n-propylamine	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U
Hexachloroethane	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U
Nitrobenzene	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U
Isophorone	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U
2-Nitrophenol	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U
2,4-Dimethylphenol	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U
Benzoic acid	ug/Kg	3900 U	3900 U	3900 U	15000 U	3800 U	4800 U
bis(2-Chloroethoxy) methane	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U
2,4-Dichlorophenol	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U
1,2,4-Trichlorobenzene	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U
Naphthalene	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U
4-Chloroaniline	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U
Hexachlorobutadiene	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U
4-Chloro-3-methylphenol	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U
2-Methylnaphthalene	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U
Hexachlorocyclopentadiene	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U
2,4,6-Trichlorophenol	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U
2,4,5-Trichlorophenol	ug/Kg	3900 U	3900 U	3900 U	15000 U	3800 U	4800 U
2-Chloronaphthalene	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U
2-Nitroaniline	ug/Kg	3900 U	3900 U	3900 U	15000 U	3800 U	4800 U
Dimethylphthalate	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U
Acenaphthylene	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U
2,6-Dinitrotoluene	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U
3-Nitroaniline	ug/Kg	3900 U		3900 U	15000 U	3800 U	4800 U
Acenaphthene	ug/Kg	800 U		810 U	3100 U	790 U	980 U
2,4-Dinitrophenol	ug/Kg	3900 U		3900 U	15000 U	3800 U	4800 U
4-Nitrophenol	ug/Kg	3900 U		3900 U	15000 U	3800 U	4800 U
Dibenzofuran	ug/Kg	800 U		810 U	3100 U	790 U	980 U
2,4-Dinitrotoluene	ug/Kg	800 U		810 U	3100 U	790 U	980 U
Diethylphthalate	ug/Kg	800 U		810 U	3100 U	790 U	980 U
4-Chlorophenyl-phenylether	ug/Kg	800 U		810 U	3100 U	790 U	980 U
Fluorene	ug/Kg	800 U		810 U	3100 U	790 U	980 U
4-Nitroaniline	ug/Kg	3900 U		3900 U	15000 U	3800 U	4800 U
4,6-Dinitro-2-methylphenol	ug/Kg	3900 U		3900 U	15000 U	3800 U	4800 U
N-Nitrosodiphenylamine (1)	ug/Kg	800 U		810 U	3100 U	790 U	980 U
4-Bromophenyl-phenylether	ug/Kg	800 U		810 U	3100 U	790 U	980 U
Hexachlorobenzene	ug/Kg	800 U		810 U	3100 U	790 U	980 U
Pentachlorophenol	ug/Kg	3900 U		3900 U	15000 U	3800 U	4800 U
Phenanthrene	ug/Kg	800 U		810 U	3100 U	790 U	980 U
Anthracene	ug/Kg	800 U		810 U	3100 U	790 U	980 U
Carbazole	ug/Kg						
Di-n-butylphthalate	ug/Kg	250 J		810 U	3100 U	790 U	980 U
Fluoranthene	ug/Kg	800 U		810 U	3100 U	790 U	980 U
Pyrene	ug/Kg	800 U		810 U	3100 U	790 U	980 U
Butylbenzylphthalate	ug/Kg	800 U		810 U	3100 U	790 U	980 U
3,3'-Dichlorobenzidine	ug/Kg	1600 U		1600 U	6200 U	1600 U	2000 U
Benzo(a)anthracene	ug/Kg	800 U		810 U	3100 U	790 U	980 U
Chrysene	ug/Kg	800 U		810 U	3100 U	790 U	980 U
bis(2-Ethylhexyl)phthalate	ug/Kg	800 U		810 U	3100 U	790 U	980 U
Di-n-octylphthalate	ug/Kg	800 U		810 U	3100 U	790 U	980 U
Benzo(b)fluoranthene	ug/Kg	800 U		810 U	3100 U	790 U	980 U
Benzo(k)fluoranthene	ug/Kg	800 U		810 U	3100 U	790 U	980 U
Benzo(a)pyrene	ug/Kg	800 U		810 U	3100 U	790 U	980 U
Indeno(1,2,3-cd)pyrene	ug/Kg	800 U		810 U	3100 U	790 U	980 U
Dibenz(a,h)anthracene	ug/Kg	800 U		810 U	3100 U	790 U	980 U
Benzo(g,h,i)perylene	ug/Kg	800 U		810 U	3100 U	790 U	980 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SEDIMENTS

		PHASE I	PHASE I	PHASE I	PHASE I	PHASE I	PHASE I
	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SW-120	SW-120	SW-120	SW-130	SW-140	SW-150
	DATE	12/10/91	12/10/91	11/07/91	11/07/91	11/08/91	11/15/91
	ES ID	S1012116	S1012118	S0711-50	S0711-59	S0811-68	S1411-78A
	LAB ID	150995	150995	148614	148617	148618	149056
COMPOUND	UNITS						
Pesticides/PCBs							
alpha-BHC	ug/Kg	19 U		20 U	19 U	19 U	21 U
beta-BHC	ug/Kg	19 U		20 U	19 U	19 U	21 U
delta-BHC	ug/Kg	19 U		20 U	19 U	19 U	21 U
gamma-BHC (Lindane)	ug/Kg	19 U		20 U	19 U	19 U	21 U
Heptachlor	ug/Kg	19 U		20 U	19 U	19 U	21 U
Aldrin	ug/Kg	19 U		20 U	19 U	19 U	21 U
Heptachlor epoxide	ug/Kg	19 U		20 U	19 U	19 U	21 U
Endosulfan I	ug/Kg	19 U		20 U	19 U	19 U	21 U
Dieldrin	ug/Kg	39 U		39 U	38 U	38 U	43 U
4,4'-DDE	ug/Kg	39 U		39 U	38 U	38 U	43 U
Endrin	ug/Kg	39 U		39 U	38 U	38 U	43 U
Endosulfan II	ug/Kg	39 U		39 U	38 U	38 U	43 U
4,4'-DDD	ug/Kg	39 U		39 U	38 U	38 U	43 U
Endosulfan sulfate	ug/Kg	39 U		39 U	38 U	38 U	43 U
4,4'-DDT	ug/Kg	39 U		39 U	38 U	38 U	43 U
Methoxychlor	ug/Kg	190 U		200 U	190 U	190 U	210 U
Endrin ketone	ug/Kg	39 U		39 U	38 U	38 U	43 U
Endrin aldehyde	ug/Kg						
alpha-Chlordane	ug/Kg	190 U		200 U	190 U	190 U	210 U
gamma-Chlordane	ug/Kg	190 U		200 U	190 U	190 U	210 U
Toxaphene	ug/Kg	390 U		390 U	380 U	380 U	430 U
Aroclor-1016	ug/Kg	190 U		200 U	190 U	190 U	210 U
Aroclor-1221	ug/Kg	190 U		200 U	190 U	190 U	210 U
Aroclor-1232	ug/Kg	190 U		200 U	190 U	190 U	210 U
Aroclor-1242	ug/Kg	190 U		200 U	190 U	190 U	210 U
Aroclor-1248	ug/Kg	190 U		200 U	190 U	190 U	210 U
Aroclor-1254	ug/Kg	390 U		390 U	380 U	380 U	430 U
Aroclor-1260	ug/Kg	390 U		390 U	380 U	380 U	430 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SEDIMENTS

	MATRIX	PHASE I SOIL		PHASE I SOIL		PHASE I SOIL		PHASE I SOIL		PHASE I SOIL	
	LOCATION	SW-120		SW-120		SW-120		SW-130		SW-140		SW-150	
	DATE	12/10/91		12/10/91		11/07/91		11/07/91		11/08/91		11/15/91	
	ES ID	S1012118		S1012118		S0711-50		S0711-59		S0811-68		S1411-78A	
	LAB ID	150995		150995		148614		148617		148618		149056	
COMPOUND	UNITS												
Explosives													
HMX	ug/Kg	1000	U			120	U	1000	U	120	U	1000	U
RDX	ug/Kg	120	U			120	U	120	U	120	U	120	U
1,3,5-Trinitrobenzene	ug/Kg	120	U			120	U	120	U	120	U	120	U
1,3-Dinitrobenzene	ug/Kg	120	U			120	U	120	U	120	U	120	U
Tetryl	ug/Kg	400	U			120	U	400	U	120	U	400	U
2,4,6-Trinitrotoluene	ug/Kg	120	U			120	U	120	U	120	U	120	U
4-amino-2,6-Dinitrotoluene	ug/Kg	120	U			120	U	120	U	120	U	120	U
2-amino-4,6-Dinitrotoluene	ug/Kg	120	U			120	U	120	U	120	U	120	U
2,6-Dinitrotoluene	ug/Kg	120	U			120	U	120	U	120	U	120	U
2,4-Dinitrotoluene	ug/Kg	120	U			120	U	120	U	120	U	120	U
Metals													
Aluminum	mg/Kg	10700		J		10600		6450	U	15600			
Antimony	mg/Kg	6.4	U	J		8	U R	7.5	U R	7	U R		
Arsenic	mg/Kg	7.4		J		3.9	R	5	U	3.9	R		
Barium	mg/Kg	53.9		J		39.3	R	23.6	J	55.3	R		
Beryllium	mg/Kg	0.66		R		0.64	R	0.45	U	0.81	R		
Cadmium	mg/Kg	2.3		J		2.7	J	1.8	U	3.4	J		
Calcium	mg/Kg	24200		J		27700		31100		28900			
Chromium	mg/Kg	21.5		J		20.2	R	14.4	U	26.1	R		
Cobalt	mg/Kg	10.2		J		8	R	6.5	U	11	R		
Copper	mg/Kg	49.7		J		25.3	J	18.7	U	31.6	J		
Iron	mg/Kg	24400		J		27500		24200		38500			
Lead	mg/Kg	311		J		28.3		21	U	20.3			
Magnesium	mg/Kg	6030		J		5660		3720		7930			
Manganese	mg/Kg	339		J		540		346	J	596			
Mercury	mg/Kg	0.69		J		0.12	R	0.04	U	0.04	R		
Nickel	mg/Kg	35.7		J		33.5	R	22.1	U	44	R		
Potassium	mg/Kg	1010		J		1030		574	J	1510			
Selenium	mg/Kg	0.22	U	J		0.22	R	0.37	U J	0.16	U R		
Silver	mg/Kg	1	U	J		1.2	U R	1.2	U	1	U R		
Sodium	mg/Kg	63.9		J		64.5	J	70.4		96	J		
Thallium	mg/Kg	0.61	U	J		0.52	U J	0.61	U	0.46	U R		
Vanadium	mg/Kg	17.1		J		17.3	R	10.4	U	23.4	R		
Zinc	mg/Kg	122		J		90.3	R	39.6	U	108	R		
Cyanide	mg/Kg	0.66	U	J		0.72	U	0.62		0.66	U		

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SEDIMENTS

COMPOUND	MATRIX LOCATION DATE ES ID LAB ID UNITS	PHASE I SOIL SW-150 11/08/91 S0811-77 148621	PHASE I SOIL SW-150 11/08/91 S0811-86 148623	PHASE I SOIL SW-160 11/12/91 S1211-96 148898	PHASE I SOIL SW-170 11/12/91 S1211-97 148899	PHASE I SOIL SW-180 11/08/91 S0811-89 148625	PHASE I SOIL SW-180 12/12/91 S1012117 150725	PHASE I SOIL SW-190 11/06/91 S0611-22 148585
Volatile Organic Compounds								
Chloromethane	ug/Kg	21 U	20 U	16 U	18 U	13 U	20 U	11 U
Bromomethane	ug/Kg	21 U	20 U	16 U	18 U	13 U	20 U	11 U
Vinyl Chloride	ug/Kg	21 U	20 U	16 U	18 U	13 U	20 U	11 U
Chloroethane	ug/Kg	21 U	20 U	16 U	18 U	13 U	20 U	11 U
Methylene Chloride	ug/Kg	10 U	10 U	8 U	9 U	7 U	10 U	6 U
Acetone	ug/Kg	21 U	20 U	16 U	18 U	13 U	25 U	11 U
Carbon Disulfide	ug/Kg	10 U	10 U	8 U	9 U	7 U	10 U	6 U
1,1-Dichloroethene	ug/Kg	10 U	10 U	8 U	9 U	7 U	10 U	6 U
1,1-Dichloroethane	ug/Kg	10 U	10 U	8 U	9 U	7 U	10 U	6 U
1,2-Dichloroethene (total)	ug/Kg	10 U	10 U	8 U	9 U	7 U	10 U	6 U
Chloroform	ug/Kg	20 J	9 J	2 J	9 U	3 J	10 U	6 U
1,2-Dichloroethane	ug/Kg	10 U	10 U	8 U	9 U	7 U	10 U	6 U
2-Butanone	ug/Kg	21 U	20 U	16 U	18 U	13 U	20 U	11 U
1,1,1-Trichloroethane	ug/Kg	10 U	10 U	8 U	9 U	7 U	10 U	6 U
Carbon Tetrachloride	ug/Kg	10 U	10 U	8 U	9 U	7 U	10 U	6 U
Vinyl Acetate	ug/Kg	21 U	20 U	16 U	18 U	13 U	20 U	11 U
Bromodichloromethane	ug/Kg	10 U	10 U	8 U	9 U	7 U	10 U	6 U
1,2-Dichloropropane	ug/Kg	10 U	10 U	8 U	9 U	7 U	10 U	6 U
cis-1,3-Dichloropropene	ug/Kg	10 U	10 U	8 U	9 U	7 U	10 U	6 U
Trichloroethene	ug/Kg	10 U	10 U	8 U	9 U	7 U	10 U	6 U
Dibromochloromethane	ug/Kg	10 U	10 U	8 U	9 U	7 U	10 U	6 U
1,1,2-Trichloroethane	ug/Kg	10 U	10 U	8 U	9 U	7 U	10 U	6 U
Benzene	ug/Kg	10 U	10 U	8 U	9 U	7 U	10 U	6 U
trans-1,3-Dichloropropene	ug/Kg	10 U	10 U	8 U	9 U	7 U	10 U	6 U
Bromoform	ug/Kg	10 U	10 U	8 U	9 U	7 U	10 U	6 U
4-Methyl-2-Pentanone	ug/Kg	21 U	20 U	16 U	18 U	13 U	20 U	11 U
2-Hexanone	ug/Kg	21 U	20 U	16 U	18 U	13 U	20 U	11 U
Tetrachloroethene	ug/Kg	10 U	10 U	8 U	9 U	7 U	10 U	6 U
1,1,2,2-Tetrachloroethane	ug/Kg	10 U	10 U	8 U	9 U	7 U	10 U	6 U
Toluene	ug/Kg	10 U	10 U	8 U	9 U	7 U	10 U	6 U
Chlorobenzene	ug/Kg	10 U	10 U	8 U	9 U	7 U	10 U	6 U
Ethylbenzene	ug/Kg	10 U	10 U	8 U	9 U	7 U	10 U	6 U
Styrene	ug/Kg	10 U	10 U	8 U	9 U	7 U	10 U	6 U
Xylene (total)	ug/Kg	10 U	10 U	8 U	9 U	7 U	10 U	6 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SEDIMENTS

		PHASE I	PHASE I	PHASE I	PHASE I	PHASE I	PHASE I	PHASE I
	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SW-150	SW-150	SW-160	SW-170	SW-180	SW-180	SW-190
	DATE	11/08/91	11/08/91	11/12/91	11/12/91	11/08/91	12/12/91	11/06/91
	ES ID	S0811-77	S0811-86	S1211-96	S1211-97	S0811-89	S1012117	S0611-22
	LAB ID	148621	148623	148898	148899	148625	150725	148585
COMPOUND	UNITS							
Semivolatiles								
Phenol	ug/Kg			1000 U	1000 U	900 U		740 U
bis(2-Chloroethyl) ether	ug/Kg			1000 U	1000 U	900 U		740 U
2-Chlorophenol	ug/Kg			1000 U	1000 U	900 U		740 U
1,3-Dichlorobenzene	ug/Kg			1000 U	1000 U	900 U		740 U
1,4-Dichlorobenzene	ug/Kg			1000 U	1000 U	900 U		740 U
Benzyl Alcohol	ug/Kg			1000 U	1000 U	900 U		740 U
1,2-Dichlorobenzene	ug/Kg			1000 U	1000 U	900 U		740 U
2-Methylphenol	ug/Kg			1000 U	1000 U	900 U		740 U
2,2'-oxybis(1-Chloropropane)	ug/Kg			1000 U	1000 U	900 U		740 U
4-Methylphenol	ug/Kg			1000 U	1000 U	900 U		740 U
N-Nitroso-di-n-propylamine	ug/Kg			1000 U	1000 U	900 U		740 U
Hexachloroethane	ug/Kg			1000 U	1000 U	900 U		740 U
Nitrobenzene	ug/Kg			1000 U	1000 U	900 U		740 U
Isophorone	ug/Kg			1000 U	1000 U	900 U		740 U
2-Nitrophenol	ug/Kg			1000 U	1000 U	900 U		740 U
2,4-Dimethylphenol	ug/Kg			1000 U	1000 U	900 U		740 U
Benzoic acid	ug/Kg			4900 U	4900 U	4400 U		3600 U
bis(2-Chloroethoxy) methane	ug/Kg			1000 U	1000 U	900 U		740 U
2,4-Dichlorophenol	ug/Kg			1000 U	1000 U	900 U		740 U
1,2,4-Trichlorobenzene	ug/Kg			1000 U	1000 U	900 U		740 U
Naphthalene	ug/Kg			1000 U	1000 U	900 U		740 U
4-Chloroaniline	ug/Kg			1000 U	1000 U	900 U		740 U
Hexachlorobutadiene	ug/Kg			1000 U	1000 U	900 U		740 U
4-Chloro-3-methylphenol	ug/Kg			1000 U	1000 U	900 U		740 U
2-Methylnaphthalene	ug/Kg			1000 U	1000 U	900 U		740 U
Hexachlorocyclopentadiene	ug/Kg			1000 U	1000 U	900 U		740 U
2,4,6-Trichlorophenol	ug/Kg			1000 U	1000 U	900 U		740 U
2,4,5-Trichlorophenol	ug/Kg			4900 U	4900 U	4400 U		3600 U
2-Chloronaphthalene	ug/Kg			1000 U	1000 U	900 U		740 U
2-Nitroaniline	ug/Kg			4900 U	4900 U	4400 U		3600 U
Dimethylphthalate	ug/Kg			1000 U	1000 U	900 U		740 U
Acenaphthylene	ug/Kg			1000 U	1000 U	900 U		740 U
2,6-Dinitrotoluene	ug/Kg			1000 U	1000 U	900 U		740 U
3-Nitroaniline	ug/Kg			4900 U	4900 U	4400 U	4700 U	3600 U
Acenaphthene	ug/Kg			1000 U	1000 U	900 U	960 U	740 U
2,4-Dinitrophenol	ug/Kg			4900 U	4900 U	4400 U	4700 U	3600 U
4-Nitrophenol	ug/Kg			4900 U	4900 U	4400 U	4700 U	3600 U
Dibenzofuran	ug/Kg			1000 U	1000 U	900 U	960 U	740 U
2,4-Dinitrotoluene	ug/Kg			1000 U	1000 U	900 U	960 U	740 U
Diethylphthalate	ug/Kg			1000 U	1000 U	900 U	960 U	740 U
4-Chlorophenyl-phenyl ether	ug/Kg			1000 U	1000 U	900 U	960 U	740 U
Fluorene	ug/Kg			1000 U	1000 U	900 U	960 U	740 U
4-Nitroaniline	ug/Kg			4900 U	4900 U	4400 U	4700 U	3600 U
4,6-Dinitro-2-methylphenol	ug/Kg			4900 U	4900 U	4400 U	4700 U	3600 U
N-Nitrosodiphenylamine (1)	ug/Kg			1000 U	1000 U	900 U	960 U	740 U
4-Bromophenyl-phenylether	ug/Kg			1000 U	1000 U	900 U	960 U	740 U
Hexachlorobenzene	ug/Kg			1000 U	1000 U	900 U	960 U	740 U
Pentachlorophenol	ug/Kg			4900 U	4900 U	4400 U	4700 U	3600 U
Phenanthrene	ug/Kg			1000 U	1000 U	900 U	960 U	740 U
Anthracene	ug/Kg			1000 U	1000 U	900 U	960 U	740 U
Carbazole	ug/Kg							
Di-n-butylphthalate	ug/Kg			1000 U	1000 U	900 U	960 U	740 U
Fluoranthene	ug/Kg			1000 U	1000 U	900 U	960 U	740 U
Pyrene	ug/Kg			1000 U	1000 U	900 U	960 U	100 J
Butylbenzylphthalate	ug/Kg			1000 U	1000 U	900 U	960 U	740 U
3,3'-Dichlorobenzidine	ug/Kg			2000 U	2000 U	1800 U	1900 U	1500 U
Benzo(a)anthracene	ug/Kg			1000 U	1000 U	900 U	960 U	740 U
Chrysene	ug/Kg			1000 U	1000 U	900 U	960 U	740 U
bis(2-Ethylhexyl)phthalate	ug/Kg			1000 U	1000 U	900 U	960 U	740 U
Di-n-octylphthalate	ug/Kg			1000 U	1000 U	900 U	960 U	740 U
Benzo(b)fluoranthene	ug/Kg			1000 U	1000 U	900 U	960 U	740 U
Benzo(k)fluoranthene	ug/Kg			1000 U	1000 U	900 U	960 U	740 U
Benzo(a)pyrene	ug/Kg			1000 U	1000 U	900 U	960 U	740 U
Indeno(1,2,3-cd)pyrene	ug/Kg			1000 U	1000 U	900 U	960 U	740 U
Dibenz(a,h)anthracene	ug/Kg			1000 U	1000 U	900 U	960 U	740 U
Benzo(g,h,i)perylene	ug/Kg			1000 U	1000 U	900 U	960 U	740 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SEDIMENTS

	MATRIX	PHASE I SOIL	PHASE I SOIL	PHASE I SOIL	PHASE I SOIL	PHASE I SOIL	PHASE I SOIL	PHASE I SOIL
	LOCATION	SW-150	SW-150	SW-160	SW-170	SW-180	SW-180	SW-190
	DATE	11/08/91	11/08/91	11/12/91	11/12/91	11/08/91	12/12/91	11/06/91
	ES ID	S0811-77	S0811-86	S1211-96	S1211-97	S0811-89	S1012117	S0811-22
	LAB ID	148621	148623	148898	148899	148625	150725	148585
COMPOUND	UNITS							
Pesticides/PCBs								
alpha-BHC	ug/Kg			25 U	25 U	22 U	23 U	18 U
beta-BHC	ug/Kg			25 U	25 U	22 U	23 U	18 U
delta-BHC	ug/Kg			25 U	25 U	22 U	23 U	18 U
gamma-BHC (Lindane)	ug/Kg			25 U	25 U	22 U	23 U	18 U
Heptachlor	ug/Kg			25 U	25 U	22 U	23 U	18 U
Aldrin	ug/Kg			25 U	25 U	22 U	23 U	18 U
Heptachlor epoxide	ug/Kg			25 U	25 U	22 U	23 U	18 U
Endosulfan I	ug/Kg			25 U	25 U	22 U	23 U	18 U
Dieldrin	ug/Kg			49 U	49 U	44 U	47 U	36 U
4,4'-DDE	ug/Kg			49 U	49 U	44 U	47 U	36 U
Endrin	ug/Kg			49 U	49 U	44 U	47 U	36 U
Endosulfan II	ug/Kg			49 U	49 U	44 U	47 U	36 U
4,4'-DDD	ug/Kg			49 U	49 U	44 U	47 U	36 U
Endosulfan sulfate	ug/Kg			49 U	49 U	44 U	47 U	36 U
4,4'-DDT	ug/Kg			49 U	49 U	44 U	47 U	36 U
Methoxychlor	ug/Kg			250 U	250 U	220 U	230 U	180 U
Endrin ketone	ug/Kg			49 U	49 U	44 U	47 U	36 U
Endrin aldehyde	ug/Kg							
alpha-Chlordane	ug/Kg			250 U	250 U	220 U	230 U	180 U
gamma-Chlordane	ug/Kg			250 U	250 U	220 U	230 U	180 U
Toxaphene	ug/Kg			490 U	490 U	440 U	470 U	360 U
Aroclor-1016	ug/Kg			250 U	250 U	220 U	230 U	180 U
Aroclor-1221	ug/Kg			250 U	250 U	220 U	230 U	180 U
Aroclor-1232	ug/Kg			250 U	250 U	220 U	230 U	180 U
Aroclor-1242	ug/Kg			250 U	250 U	220 U	230 U	180 U
Aroclor-1248	ug/Kg			250 U	250 U	220 U	230 U	180 U
Aroclor-1254	ug/Kg			490 U	490 U	440 U	470 U	360 U
Aroclor-1260	ug/Kg			490 U	490 U	440 U	470 U	360 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SEDIMENTS

		PHASE I	PHASE I	PHASE I	PHASE I	PHASE I	PHASE I	PHASE I
	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SW-150	SW-150	SW-160	SW-170	SW-180	SW-180	SW-190
	DATE	11/08/91	11/08/91	11/12/91	11/12/91	11/08/91	12/12/91	11/06/91
	ES ID	S0811-77	S0811-86	S1211-96	S1211-97	S0811-89	S1012117	S0611-22
	LAB ID	148621	148623	148898	148899	148625	150725	148585
COMPOUND	UNITS							
Explosives								
HMX	ug/Kg			1000 U	1000 U	120 U	1000 U	120 J
RDX	ug/Kg			120 U	120 U	120 U	120 U	500
1,3,5-Trinitrobenzene	ug/Kg			120 U	120 U	120 U	120 U	120 U
1,3-Dinitrobenzene	ug/Kg			120 U	120 U	120 U	120 U	120 U
Tetryl	ug/Kg			400 U	400 U	120 U	400 U	120 U
2,4,6-Trinitrotoluene	ug/Kg			120 U	120 U	120 U	120 U	100 J
4-amino-2,6-Dinitrotoluene	ug/Kg			120 U	120 U	120 U	120 U	160
2-amino-4,6-Dinitrotoluene	ug/Kg			120 U	120 U	120 U	120 U	180
2,6-Dinitrotoluene	ug/Kg			120 U	120 U	120 U	120 U	120 U
2,4-Dinitrotoluene	ug/Kg			120 U	120 U	120 U	120 U	98 J
Metals								
Aluminum	mg/Kg	11900 U	13700	17300	19000	25800	17500 J	18700
Antimony	mg/Kg	8.8 U R	13.7 U R	10.7 U R	15 U R	10.4 U R	8.3 J	9.5 U R
Arsenic	mg/Kg	3.4 U R	3.7 R	4.8	7.1	5.1 R	2.5 J	4.9 R
Barium	mg/Kg	35.6 R	47 R	158	245	385 R	149 J	183 R
Beryllium	mg/Kg	0.67 U R	0.94 R	1	1.1 J	1.2 R	0.9 R	1 R
Cadmium	mg/Kg	2.7 U J	2.4 J	4.1	4.2	3.3 J	2 J	9.7 J
Calcium	mg/Kg	28200	17800	9500	12100	2420	2020 J	28700
Chromium	mg/Kg	21.7 U R	26.5 R	27.1	28.5	35.5 R	24.3 J	27.4 R
Cobalt	mg/Kg	10 U R	10.8 R	14.6	11 J	11.6 R	10.9 J	12.8 R
Copper	mg/Kg	31.4 U J	32.6 J	88 J	158 J	105 J	84.5 J	416
Iron	mg/Kg	28300	32800	32900	31300	37100	24100 J	34300
Lead	mg/Kg	49.9 J	24.8	66	131	274	36.5 J	59.3
Magnesium	mg/Kg	6260	7020	6260	6270	7010	4690 J	7860
Manganese	mg/Kg	373 J	367	1520 J	362 J	468	383 J	659
Mercury	mg/Kg	0.15 U	0.07 R	1.1	0.91	0.13 R	0.09 J	2
Nickel	mg/Kg	39.9 U R	43 R	43	45.3	41.6 R	29.8 J	39.1 R
Potassium	mg/Kg	1120 J	1750	2000	2660	3340	1460 J	2940
Selenium	mg/Kg	0.23 U R	0.29 R	3 U J	0.4 U J	0.22 U R	0.13 U J	0.12 U R
Silver	mg/Kg	1.3 U R	2 U R	1.7 U	2.4 U	1.6 U R	1.2 U J	1.8 R
Sodium	mg/Kg	67.8 J	105 U	97.9 J	107 J	79.8 U	43.9 U J	73 U
Thallium	mg/Kg	0.58 U R	0.51 U R	0.5 U	0.66 U	0.61 U R	0.36 U J	0.34 U R
Vanadium	mg/Kg	19.7 R	23.4 R	24	30.8	39.8 R	26.3 J	30.3 R
Zinc	mg/Kg	60.2 U R	67.1 R	233	272	131 R	107 J	360
Cyanide	mg/Kg	0.77	0.79 U	0.91 U	0.88 U	0.77 U	0.81 U J	0.67 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SEDIMENTS

	MATRIX	PHASE I SOIL	PHASE I SOIL	PHASE I SOIL	PHASE I SOIL	PHASE I SOIL	PHASE I SOIL	PHASE I SOIL
	LOCATION	SW-191	SW-192	SW-192	SW-193	SW-194	SW-195	SW-196
	DATE	11/06/91	11/13/91	11/13/91	11/13/91	11/13/91	11/13/91	11/12/91
	ES ID	S0611-19	S1311-103	S1311-103RE	S1311-100	S1311-101	S1311-102	S1211-98
	LAB ID	148582	149052	149052	149049	149050	149051	148900
COMPOUND	UNITS							
Volatile Organic Compounds								
Chloromethane	ug/Kg	20 U	20 U R	20 U R	16 U	14 U	19 U	12 U
Bromomethane	ug/Kg	20 U	20 U R	20 U R	16 U	14 U	19 U	12 U
Vinyl Chloride	ug/Kg	20 U	20 U R	20 U R	16 U	14 U	19 U	12 U
Chloroethane	ug/Kg	20 U	20 U R	20 U R	16 U	14 U	19 U	12 U
Methylene Chloride	ug/Kg	10 U	10 U R	10 U R	8 U	7 U	9 U	6 U
Acetone	ug/Kg	25 B	28 U R	20 U R	16 U	14 U	19 U	12 U
Carbon Disulfide	ug/Kg	10 U	10 U R	10 U R	8 U	7 U	9 U	6 U
1,1-Dichloroethene	ug/Kg	10 U	10 U R	10 U R	8 U	7 U	9 U	6 U
1,1-Dichloroethane	ug/Kg	10 U	10 U R	10 U R	8 U	7 U	9 U	6 U
1,2-Dichloroethene (total)	ug/Kg	10 U	10 U R	10 U R	8 U	7 U	9 U	6 U
Chloroform	ug/Kg	10 U	10 U R	10 U R	8 U	7 U	9 U	6 U
1,2-Dichloroethane	ug/Kg	10 U	10 U R	10 U R	8 U	7 U	9 U	6 U
2-Butanone	ug/Kg	20 U	20 U R	20 U R	16 U	14 U	19 U	12 U
1,1,1-Trichloroethane	ug/Kg	10 U	10 U R	10 U R	8 U	7 U	9 U	6 U
Carbon Tetrachloride	ug/Kg	10 U	10 U R	10 U R	8 U	7 U	9 U	6 U
Vinyl Acetate	ug/Kg	20 U	20 U R	20 U R	16 U	14 U	19 U	12 U
Bromodichloromethane	ug/Kg	10 U	10 U R	10 U R	8 U	7 U	9 U	6 U
1,2-Dichloropropane	ug/Kg	10 U	10 U R	10 U R	8 U	7 U	9 U	6 U
cis-1,3-Dichloropropene	ug/Kg	10 U	10 U R	10 U R	8 U	7 U	9 U	6 U
Trichloroethene	ug/Kg	10 U	10 U R	10 U R	8 U	7 U	9 U	6 U
Dibromochloromethane	ug/Kg	10 U	10 U R	10 U R	8 U	7 U	9 U	6 U
1,1,2-Trichloroethane	ug/Kg	10 U	10 U R	10 U R	8 U	7 U	9 U	6 U
Benzene	ug/Kg	10 U	10 U R	10 U R	8 U	7 U	9 U	6 U
trans-1,3-Dichloropropene	ug/Kg	10 U	10 U R	10 U R	8 U	7 U	9 U	6 U
Bromoform	ug/Kg	10 U	10 U R	10 U R	8 U	7 U	9 U	6 U
4-Methyl-2-Pentanone	ug/Kg	20 U	20 U R	20 U R	16 U	14 U	19 U	12 U
2-Hexanone	ug/Kg	20 U	20 U R	20 U R	16 U	14 U	19 U	12 U
Tetrachloroethene	ug/Kg	10 U	10 U R	10 U R	8 U	7 U	9 U	6 U
1,1,2,2-Tetrachloroethane	ug/Kg	10 U	10 U R	10 U R	8 U	7 U	9 U	6 U
Toluene	ug/Kg	10 U	10 U R	10 U R	8 U	7 U	9 U	6 U
Chlorobenzene	ug/Kg	10 U	10 U R	10 U R	8 U	7 U	9 U	6 U
Ethylbenzene	ug/Kg	10 U	10 U R	10 U R	8 U	7 U	9 U	6 U
Styrene	ug/Kg	10 U	10 U R	10 U R	8 U	7 U	9 U	6 U
Xylene (total)	ug/Kg	10 U	10 U R	10 U R	8 U	7 U	9 U	6 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SEDIMENTS

	MATRIX	PHASE I	PHASE I	PHASE I	PHASE I	PHASE I	PHASE I	PHASE I
	LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	DATE	SW-191	SW-192	SW-192	SW-193	SW-194	SW-195	SW-196
	ES ID	11/06/91	11/13/91	11/13/91	11/13/91	11/13/91	11/13/91	11/12/91
	LAB ID	S0611-19	S1311-103	S1311-103RE	S1311-100	S1311-101	S1311-102	S1211-98
COMPOUND	UNITS	148582	149052	149052	149049	149050	149051	148900
Semivolatiles								
Phenol	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
bis(2-Chloroethyl) ether	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
2-Chlorophenol	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
1,3-Dichlorobenzene	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
1,4-Dichlorobenzene	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
Benzyl Alcohol	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
1,2-Dichlorobenzene	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
2-Methylphenol	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
4-Methylphenol	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
N-Nitroso-di-n-propylamine	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
Hexachloroethane	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
Nitrobenzene	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
Isophorone	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
2-Nitrophenol	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
2,4-Dimethylphenol	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
Benzoic acid	ug/Kg	13000 U	8000 U		4600 U	5100 U	5900 U	3800 U
bis(2-Chloroethoxy) methane	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
2,4-Dichlorophenol	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
1,2,4-Trichlorobenzene	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
Naphthalene	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
4-Chloroaniline	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
Hexachlorobutadiene	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
4-Chloro-3-methylphenol	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
2-Methylnaphthalene	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
Hexachlorocyclopentadiene	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
2,4,6-Trichlorophenol	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
2,4,5-Trichlorophenol	ug/Kg	13000 U	8000 U		4600 U	5100 U	5900 U	3800 U
2-Chloronaphthalene	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
2-Nitroaniline	ug/Kg	13000 U	8000 U		4600 U	5100 U	5900 U	3800 U
Dimethylphthalate	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
Acenaphthylene	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
2,6-Dinitrotoluene	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
3-Nitroaniline	ug/Kg	13000 U	8000 U		4600 U	5100 U	5900 U	3800 U
Acenaphthene	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
2,4-Dinitrophenol	ug/Kg	13000 U	8000 U		4600 U	5100 U	5900 U	3800 U
4-Nitrophenol	ug/Kg	13000 U	8000 U		4600 U	5100 U	5900 U	3800 U
Dibenzofuran	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
2,4-Dinitrotoluene	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
Diethylphthalate	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
4-Chlorophenyl-phenylether	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
Fluorene	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
4-Nitroaniline	ug/Kg	13000 U	8000 U		4600 U	5100 U	5900 U	3800 U
4,6-Dinitro-2-methylphenol	ug/Kg	13000 U	8000 U		4600 U	5100 U	5900 U	3800 U
N-Nitrosodiphenylamine (1)	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
4-Bromophenyl-phenylether	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
Hexachlorobenzene	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
Pentachlorophenol	ug/Kg	13000 U	8000 U		4600 U	5100 U	5900 U	3800 U
Phenanthrene	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
Anthracene	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
Carbazole	ug/Kg							
Di-n-butylphthalate	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
Fluoranthene	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
Pyrene	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
Butylbenzylphthalate	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
3,3'-Dichlorobenzidine	ug/Kg	5300 U	3300 U		1900 U	2100 U	2400 U	1600 U
Benzo(a)anthracene	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
Chrysene	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
bis(2-Ethylhexyl)phthalate	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
Di-n-octylphthalate	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
Benzo(b)fluoranthene	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
Benzo(k)fluoranthene	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
Benzo(a)pyrene	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
Indeno(1,2,3-cd)pyrene	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
Dibenz(a,h)anthracene	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U
Benzo(g,h,i)perylene	ug/Kg	2600 U	1700 U		960 U	1000 U	1200 U	780 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SEDIMENTS

	MATRIX	PHASE I	PHASE I	PHASE I	PHASE I	PHASE I	PHASE I	PHASE I
	LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	DATE	SW-191	SW-192	SW-192	SW-193	SW-194	SW-195	SW-196
	ES ID	11/06/91	11/13/91	11/13/91	11/13/91	11/13/91	11/13/91	11/12/91
	LAB ID	S0611-19	S1311-103	S1311-103RE	S1311-100	S1311-101	S1311-102	S1211-98
COMPOUND	UNITS	146582	149052	149052	149049	149050	149051	148900
Pesticides/PCBs								
alpha-BHC	ug/Kg	64 U	40 U		23 U	25 U	30 U	19 U
beta-BHC	ug/Kg	64 U	40 U		23 U	25 U	30 U	19 U
delta-BHC	ug/Kg	64 U	40 U		23 U	25 U	30 U	19 U
gamma-BHC (Lindane)	ug/Kg	64 U	40 U		23 U	25 U	30 U	19 U
Heptachlor	ug/Kg	64 U	40 U		23 U	25 U	30 U	19 U
Aldrin	ug/Kg	64 U	40 U		23 U	25 U	30 U	19 U
Heptachlor epoxide	ug/Kg	64 U	40 U		23 U	25 U	30 U	19 U
Endosulfan I	ug/Kg	64 U	40 U		23 U	25 U	30 U	19 U
Dieldrin	ug/Kg	130 U	80 U		46 U	51 U	59 U	38 U
4,4'-DDE	ug/Kg	130 U	80 U		46 U	51 U	59 U	38 U
Endrin	ug/Kg	130 U	80 U		46 U	51 U	59 U	38 U
Endosulfan II	ug/Kg	130 U	80 U		46 U	51 U	59 U	38 U
4,4'-DDD	ug/Kg	130 U	80 U		46 U	51 U	59 U	38 U
Endosulfan sulfate	ug/Kg	130 U	80 U		46 U	51 U	59 U	38 U
4,4'-DDT	ug/Kg	130 U	80 U		46 U	51 U	59 U	38 U
Methoxychlor	ug/Kg	640 U	400 U		230 U	250 U	300 U	190 U
Endrin ketone	ug/Kg	130 U	80 U		46 U	51 U	59 U	38 U
Endrin aldehyde	ug/Kg							
alpha-Chlordane	ug/Kg	640 U	400 U		230 U	250 U	300 U	190 U
gamma-Chlordane	ug/Kg	640 U	400 U		230 U	250 U	300 U	190 U
Toxaphene	ug/Kg	1300 U	800 U		460 U	510 U	590 U	380 U
Aroclor-1016	ug/Kg	640 U	400 U		230 U	250 U	300 U	190 U
Aroclor-1221	ug/Kg	640 U	400 U		230 U	250 U	300 U	190 U
Aroclor-1232	ug/Kg	640 U	400 U		230 U	250 U	300 U	190 U
Aroclor-1242	ug/Kg	640 U	400 U		230 U	250 U	300 U	190 U
Aroclor-1248	ug/Kg	640 U	400 U		230 U	250 U	300 U	190 U
Aroclor-1254	ug/Kg	1300 U	800 U		460 U	510 U	590 U	380 U
Aroclor-1260	ug/Kg	1300 U	800 U		460 U	510 U	590 U	380 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SEDIMENTS

		PHASE I	PHASE I	PHASE I	PHASE I	PHASE I	PHASE I	PHASE I
	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SW-191	SW-192	SW-192	SW-193	SW-194	SW-195	SW-196
	DATE	11/06/91	11/13/91	11/13/91	11/13/91	11/13/91	11/13/91	11/12/91
	ES ID	S0611-19	S1311-103	S1311-103RE	S1311-100	S1311-101	S1311-102	S1211-98
	LAB ID	148582	149052	149052	149049	149050	149051	148900
COMPOUND	UNITS							
Explosives								
HMX	ug/Kg	120 U	1000 U		1000 U	1000 U	1000 U	1000 U
RDX	ug/Kg	120 U	120 U		120 U	120 U	120 U	120 U
1,3,5-Trinitrobenzene	ug/Kg	120 U	120 U		120 U	120 U	120 U	120 U
1,3-Dinitrobenzene	ug/Kg	120 U	120 U		120 U	120 U	120 U	120 U
Tetryl	ug/Kg	120 U	400 U		400 U	400 U	400 U	400 U
2,4,6-Trinitrotoluene	ug/Kg	120 U	120 U		120 U	120 U	120 U	120 U
4-amino-2,6-Dinitrotoluene	ug/Kg	120 U	120 U		120 U	120 U	120 U	120 U
2-amino-4,6-Dinitrotoluene	ug/Kg	120 U	120 U		120 U	120 U	120 U	120 U
2,6-Dinitrotoluene	ug/Kg	120 U	120 U		120 U	120 U	120 U	120 U
2,4-Dinitrotoluene	ug/Kg	120 U	120 U		120 U	120 U	120 U	120 U
Metals								
Aluminum	mg/Kg	19100	22900		16000	15800	14000	8310
Antimony	mg/Kg	37.3 U R	21.2 U R		11.6 U R	12.9 U R	14.1 U R	10.3 U R
Arsenic	mg/Kg	4.7 R	7.4		6	3.8	5.7	4.4
Barium	mg/Kg	701 R	313		106	196	170	44.1
Beryllium	mg/Kg	2.4 U R	1.6 J		0.97 J	0.98 J	1.1 J	0.71 J
Cadmium	mg/Kg	6.3 J	5		2.3	2.8	2.8	2
Calcium	mg/Kg	11900	10100		5720	15100	3130	104000
Chromium	mg/Kg	34.6 R	41.8		25.3	24.6	23.5	15.2
Cobalt	mg/Kg	21.8 U R	17.7 J		16.1	11.3 J	9.5 J	7.5 J
Copper	mg/Kg	259	217 J		21.2 J	82.4 J	69.4 J	22.4 J
Iron	mg/Kg	31700	40900		33000	31100	23700	23900
Lead	mg/Kg	463	280		331.9	268	73.6	15.4
Magnesium	mg/Kg	8100	9900		5410	6500	4430	12000
Manganese	mg/Kg	586	439 J		555 J	532 J	322 J	468 J
Mercury	mg/Kg	0.29 R	0.18 J		0.04 U	0.54	0.1 J	0.17
Nickel	mg/Kg	56.8 R	64.4		40.8	38.2	31.6	23.3
Potassium	mg/Kg	3350 J	3530		2210	1980	1920	938
Selenium	mg/Kg	0.62 R	0.45 U J		0.4 U J	0.49 U J	0.57 U J	0.31 U J
Silver	mg/Kg	5.6 R	3.4 U		1.9 U	2.1 U	2.3 U	1.7 U
Sodium	mg/Kg	285 U	123 U		68.5 U	74.5 U	81.7 U	194 U
Thallium	mg/Kg	1.8 U R	0.74 U		0.86 U	0.81 U	0.93 U	0.51 U
Vanadium	mg/Kg	38.1 R	37.9		24.6	22.6	21.9	10.9
Zinc	mg/Kg	419	655		100	251	281	76
Cyanide	mg/Kg	2 U	1.3 U		0.81 U	0.82 U	1 U	0.71 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SEDIMENTS

	MATRIX	PHASE I	PHASE II	PHASE II	PHASE II	PHASE II	PHASE II	PHASE II
	LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	DATE	SW-197	OB	OB	OB	OB	OB	OB
	ES ID	11/15/91	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92	12/04/92
	LAB ID	S1311-104	SD-200	SD-200RE	SD-210	SD-220	SD-230	SD-240
COMPOUND	UNITS	149053	175409	175409R1	175410	175411	175412	175413
Volatile Organic Compounds								
Chloromethane	ug/Kg	17 U	14 U		13 U	14 U	13 U	13 U
Bromomethane	ug/Kg	17 U	14 U		13 U	14 U	13 U	13 U
Vinyl Chloride	ug/Kg	17 U	14 U		13 U	14 U	13 U	13 U
Chloroethane	ug/Kg	17 U	14 U		13 U	14 U	13 U	13 U
Methylene Chloride	ug/Kg	8 U	14 U		13 U	14 U	13 U	13 U
Acetone	ug/Kg	17 U	14 U		13 U	14 U	13 U	34
Carbon Disulfide	ug/Kg	8 U	14 U		13 U	14 U	13 U	2 J
1,1-Dichloroethene	ug/Kg	8 U	14 U		13 U	14 U	13 U	13 U
1,1-Dichloroethane	ug/Kg	8 U	14 U		13 U	14 U	13 U	13 U
1,2-Dichloroethene (total)	ug/Kg	8 U	14 U		13 U	14 U	13 U	13 U
Chloroform	ug/Kg	8 U	14 U		13 U	14 U	13 U	13 U
1,2-Dichloroethane	ug/Kg	8 U	14 U		13 U	14 U	13 U	13 U
2-Butanone	ug/Kg	17 U	14 U		13 U	14 U	13 U	13 U
1,1,1-Trichloroethane	ug/Kg	8 U	14 U		13 U	14 U	13 U	13 U
Carbon Tetrachloride	ug/Kg	8 U	14 U		13 U	14 U	13 U	13 U
Vinyl Acetate	ug/Kg	17 U						
Bromodichloromethane	ug/Kg	8 U	14 U		13 U	14 U	13 U	13 U
1,2-Dichloropropane	ug/Kg	8 U	14 U		13 U	14 U	13 U	13 U
cis-1,3-Dichloropropene	ug/Kg	8 U	14 U		13 U	14 U	13 U	13 U
Trichloroethene	ug/Kg	8 U	14 U		13 U	14 U	18	13 U
Dibromochloromethane	ug/Kg	8 U	14 U		13 U	14 U	13 U	13 U
1,1,2-Trichloroethane	ug/Kg	8 U	14 U		13 U	14 U	13 U	13 U
Benzene	ug/Kg	8 U	14 U		13 U	14 U	13 U	13 U
trans-1,3-Dichloropropene	ug/Kg	8 U	14 U		13 U	14 U	13 U	13 U
Bromoform	ug/Kg	8 U	14 U		13 U	14 U	13 U	13 U
4-Methyl-2-Pentanone	ug/Kg	17 U	14 U		13 U	14 U	13 U	13 U
2-Hexanone	ug/Kg	17 U	14 U		13 U	14 U	13 U	13 U
Tetrachloroethene	ug/Kg	8 U	14 U		13 U	14 U	13 U	13 U
1,1,2,2-Tetrachloroethane	ug/Kg	8 U	14 U		13 U	14 U	13 U	13 U
Toluene	ug/Kg	8 U	14 U		13 U	14 U	13 U	13 U
Chlorobenzene	ug/Kg	8 U	14 U		13 U	14 U	13 U	13 U
Ethylbenzene	ug/Kg	8 U	14 U		13 U	14 U	13 U	13 U
Styrene	ug/Kg	8 U	14 U		13 U	14 U	13 U	13 U
Xylene (total)	ug/Kg	8 U	14 U		13 U	14 U	13 U	13 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SEDIMENTS

COMPOUND	MATRIX	PHASE I	PHASE II	PHASE II	PHASE II	PHASE II	PHASE II	PHASE II
	LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	DATE	SW-197	OB	OB	OB	OB	OB	OB
	ES ID	11/15/91	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92	12/04/92
	LAB ID	S1311-104	SD-200	SD-200RE	SD-210	SD-220	SD-230	SD-240
	UNITS	149053	175409	175409R1	175410	175411	175412	175413
Semivolatiles								
Phenol	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
bis(2-Chloroethyl) ether	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
2-Chlorophenol	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
1,3-Dichlorobenzene	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
1,4-Dichlorobenzene	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
Benzyl Alcohol	ug/Kg	1200 U						
1,2-Dichlorobenzene	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
2-Methylphenol	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
4-Methylphenol	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
N-Nitroso-di-n-propylamine	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
Hexachloroethane	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
Nitrobenzene	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
Isophorone	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
2-Nitrophenol	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
2,4-Dimethylphenol	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
Benzoic acid	ug/Kg	5700 U						
bis(2-Chloroethoxy) methane	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
2,4-Dichlorophenol	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
1,2,4-Trichlorobenzene	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
Naphthalene	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
4-Chloroaniline	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
Hexachlorobutadiene	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
4-Chloro-3-methylphenol	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
2-Methylnaphthalene	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
Hexachlorocyclopentadiene	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
2,4,6-Trichlorophenol	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
2,4,5-Trichlorophenol	ug/Kg	5700 U	1100 U	1100 U	1000 U	1200 U	1100 U	1100 U
2-Chloronaphthalene	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
2-Nitroaniline	ug/Kg	5700 U	1100 U	1100 U	1000 U	1200 U	1100 U	1100 U
Dimethylphthalate	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
Acenaphthylene	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
2,6-Dinitrotoluene	ug/Kg	1200 U	470 U	470 U	440 U	120 J	450 U	470 U
3-Nitroaniline	ug/Kg	5700 U	1100 U	1100 U	1000 U	1200 U	1100 U	1100 U
Acenaphthene	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
2,4-Dinitrophenol	ug/Kg	5700 U	1100 U	1100 U	1000 U	1200 U	1100 U	1100 U
4-Nitrophenol	ug/Kg	5700 U	1100 U	1100 U	1000 U	1200 U	1100 U	1100 U
Dibenzofuran	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
2,4-Dinitrotoluene	ug/Kg	1200 U	130 J	140 J	440 U	1600	450 U	470 U
Diethylphthalate	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
4-Chlorophenyl-phenylether	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
Fluorene	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
4-Nitroaniline	ug/Kg	5700 U	1100 U	1100 U	1000 U	1200 U	1100 U	1100 U
4,6-Dinitro-2-methylphenol	ug/Kg	5700 U	1100 U	1100 U	1000 U	1200 U	1100 U	1100 U
N-Nitrosodiphenylamine (1)	ug/Kg	1200 U	87 J	80 J	440 U	120 J	450 U	470 U
4-Bromophenyl-phenylether	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
Hexachlorobenzene	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
Pentachlorophenol	ug/Kg	5700 U	1100 U	1100 U	1000 U	1200 U	1100 U	1100 U
Phenanthrene	ug/Kg	1200 U	470 U	76 J	440 U	26 J	450 U	470 U
Anthracene	ug/Kg	1200 U	470 U	77 J	440 U	480 U	450 U	470 U
Carbazole	ug/Kg		470 U	27 J	440 U	480 U	450 U	470 U
Di-n-butylphthalate	ug/Kg	1200 U	730 J	460 J	210 J	510	450 U	15 J
Fluoranthene	ug/Kg	1200 U	470 U	140 J	440 U	22 J	450 U	470 U
Pyrene	ug/Kg	1200 U	470 U	110 J	440 U	25 J	450 U	470 U
Butylbenzylphthalate	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
3,3'-Dichlorobenzidine	ug/Kg	2300 U	470 U	470 U	440 U	480 U	450 U	470 U
Benzo(a)anthracene	ug/Kg	1200 U	470 U	48 J	440 U	480 U	450 U	470 U
Chrysene	ug/Kg	1200 U	470 U	62 J	440 U	480 U	450 U	470 U
bis(2-Ethylhexyl)phthalate	ug/Kg	1200 U	54 J	61 J	57 J	96 J	91 J	49 J
Di-n-octylphthalate	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
Benzo(b)fluoranthene	ug/Kg	1200 U	470 U	52 J	440 U	480 U	450 U	470 U
Benzo(k)fluoranthene	ug/Kg	1200 U	470 U	54 J	440 U	480 U	450 U	470 U
Benzo(a)pyrene	ug/Kg	1200 U	470 U	38 J	440 U	480 U	450 U	470 U
Indeno(1,2,3-cd)pyrene	ug/Kg	1200 U	470 U	37 J	440 U	480 U	450 U	470 U
Dibenz(a,h)anthracene	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U
Benzo(g,h,i)perylene	ug/Kg	1200 U	470 U	470 U	440 U	480 U	450 U	470 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SEDIMENTS

COMPOUND	MATRIX	PHASE I	PHASE II	PHASE II	PHASE II	PHASE II	PHASE II	PHASE II
	LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	DATE	SW-197	OB	OB	OB	OB	OB	OB
	ES ID	11/15/91	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92	12/04/92
	LAB ID	S1311-104	SD-200	SD-200RE	SD-210	SD-220	SD-230	SD-240
	UNITS	149053	175409	175409R1	175410	175411	175412	175413
Pesticides/PCBs								
alpha-BHC	ug/Kg	28 U	2.4 U		2.3 U	2.5 U	2.3 U	2.4 U
beta-BHC	ug/Kg	28 U	2.4 U		2.3 U	2.5 U	2.3 U	2.4 U
delta-BHC	ug/Kg	28 U	2.4 U		2.3 U	2.5 U	2.3 U	2.4 U
gamma-BHC (Lindane)	ug/Kg	28 U	2.4 U		2.3 U	2.5 U	2.3 U	2.4 U
Heptachlor	ug/Kg	28 U	2.4 U		2.3 U	2.5 U	2.3 U	2.4 U
Aldrin	ug/Kg	28 U	2.4 U		2.3 U	2.5 U	2.3 U	2.4 U
Heptachlor epoxide	ug/Kg	28 U	2.4 U		2.3 U	2.5 U	2.3 U	2.4 U
Endosulfan I	ug/Kg	28 U	2.4 U		2.3 U	2.5 U	2.3 U	2.4 U
Dieldrin	ug/Kg	57 U	4.7 U		4.4 U	4.8 U	4.5 U	4.7 U
4,4'-DDE	ug/Kg	57 U	2.8 J		2.8 J	10	4.5 U	4.7 U
Endrin	ug/Kg	57 U	4.7 U		4.4 U	4.8 U	4.5 U	4.7 U
Endosulfan II	ug/Kg	57 U	4.7 U		4.4 U	4.8 U	4.5 U	4.7 U
4,4'-DDD	ug/Kg	57 U	4.7 U		4.4 U	4.8 U	4.5 U	4.7 U
Endosulfan sulfate	ug/Kg	57 U	4.7 U		4.4 U	4.8 U	4.5 U	4.7 U
4,4'-DDT	ug/Kg	57 U	4.7 U		13	2.3 J	4.5 U	4.7 U
Methoxychlor	ug/Kg	280 U	24 U		23 U	25 U	23 U	24 U
Endrin ketone	ug/Kg	57 U	4.7 U		4.4 U	4.8 U	4.5 U	4.7 U
Endrin aldehyde	ug/Kg		4.7 U		4.4 U	4.8 U	4.5 U	4.7 U
alpha-Chlordane	ug/Kg	280 U	2.4 U		2.3 U	2.5 U	2.3 U	2.4 U
gamma-Chlordane	ug/Kg	280 U	2.4 U		2.3 U	2.5 U	2.3 U	2.4 U
Toxaphene	ug/Kg	570 U	240 U		230 U	250 U	230 U	240 U
Aroclor-1016	ug/Kg	280 U	47 U		44 U	48 U	45 U	47 U
Aroclor-1221	ug/Kg	280 U	95 U		89 U	98 U	92 U	95 U
Aroclor-1232	ug/Kg	280 U	47 U		44 U	48 U	45 U	47 U
Aroclor-1242	ug/Kg	280 U	47 U		44 U	48 U	45 U	47 U
Aroclor-1248	ug/Kg	280 U	47 U		44 U	48 U	45 U	47 U
Aroclor-1254	ug/Kg	570 U	47 U		44 U	48 U	45 U	47 U
Aroclor-1260	ug/Kg	570 U	47 U		44 U	48 U	45 U	47 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SEDIMENTS

		PHASE I	PHASE II	PHASE II	PHASE II	PHASE II	PHASE II	PHASE II
	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SW-197	OB	OB	OB	OB	OB	OB
	DATE	11/15/91	12/03/92	12/03/92	12/03/92	12/03/92	12/03/92	12/04/92
	ES ID	S1311-104	SD-200	SD-200RE	SD-210	SD-220	SD-230	SD-240
	LAB ID	149053	175409	175409R1	175410	175411	175412	175413
COMPOUND	UNITS							
Explosives								
HMX	ug/Kg	1000 U	120 U		120 U	120 U	120 U	120 U
RDX	ug/Kg	120 U	120 U		120 U	120 U	120 U	120 U
1,3,5-Trinitrobenzene	ug/Kg	120 U	120 U		120 U	120 U	120 U	120 U
1,3-Dinitrobenzene	ug/Kg	120 U	120 U		120 U	120 U	120 U	120 U
Tetryl	ug/Kg	400 U	120 U		120 U	120 U	120 U	120 U
2,4,6-Trinitrotoluene	ug/Kg	120 U	120 U		120 U	120 U	120 U	120 U
4-amino-2,6-Dinitrotoluene	ug/Kg	120 U	120 U		120 U	120 U	120 U	120 U
2-amino-4,6-Dinitrotoluene	ug/Kg	120 U	120 U		120 U	120 U	120 U	120 U
2,6-Dinitrotoluene	ug/Kg	120 U	120 U		120 U	120 U	120 U	120 U
2,4-Dinitrotoluene	ug/Kg	120 U	120 U		93 J	86 J	120 U	120 U
Metals								
Aluminum	mg/Kg	15400	16000		14300	17500	16000	16300
Antimony	mg/Kg	11.4 U R	28.3 J		8.8 UJ	10 UJ	12 UJ	8.2 UJ
Arsenic	mg/Kg	6.6	5.1		4.2	5	9.5	4
Barium	mg/Kg	106	1780		373	637	156	120
Beryllium	mg/Kg	1	0.93 J		0.8	1.5	1.1	0.82
Cadmium	mg/Kg	2	2.3		2.6	2.3	0.74 J	0.47 U
Calcium	mg/Kg	2840	5640		12300	8690	4330	3030
Chromium	mg/Kg	21.7	30.3		25.2	28.7	22.4	22.1
Cobalt	mg/Kg	11.3	14.3		13.6	13.7	7.7 J	12.5
Copper	mg/Kg	24.4 J	3790		301	445	40.5	24.2
Iron	mg/Kg	28600	35800		31800	36400	29600	28100
Lead	mg/Kg	31.7	7400		829	1120	62.4	38.6
Magnesium	mg/Kg	4310	6700		5760	6240	4700	4170
Manganese	mg/Kg	338 J	530		598	619	196	775
Mercury	mg/Kg	0.06 U	0.14		0.08 J	0.07 J	0.06 J	0.04 J
Nickel	mg/Kg	30.2	42.2		43	44.6	32	28.8
Potassium	mg/Kg	1540	1990		1180	1840	1840	1220
Selenium	mg/Kg	0.35 U J	1.6 J		0.74 J	0.76 J	1.2 J	0.84 J
Silver	mg/Kg	1.8 U	0.9 J		1.9	0.59 U	0.71 U	0.49 U
Sodium	mg/Kg	65.8 U	159 J		59.3 J	81.7 J	93.9 J	70.7 J
Thallium	mg/Kg	0.57 U	0.58 U		0.4 U	0.43 U	0.6 U	0.46 U
Vanadium	mg/Kg	27.2	28.7		23	28.2	27.7	26.7
Zinc	mg/Kg	89	1200		386	647	86.3	71.9
Cyanide	mg/Kg	0.98 U	0.51 U		0.59 U	0.72 U	0.66 U	0.7 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SEDIMENTS

	MATRIX	PHASE II	PHASE II	PHASE II	PHASE II	PHASE II	PHASE II	PHASE II
	LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	DATE	OB	OB	OB	OB	OB	OB	OB
	ES ID	12/04/92	12/07/92	12/07/92	12/07/92	12/07/92	12/07/92	12/07/92
	LAB ID	SD-250	SD-260	SD-261	SD-261RE	SD-270	SD-280	SD-290
COMPOUND	UNITS	175414	175631	175632	175632	175633	175634	175635
				DUP SD-260	DUP SD-260			
Volatile Organic Compounds								
Chloromethane	ug/Kg	13 U	13 U	13 U		14 U	13 U	14 U
Bromomethane	ug/Kg	13 U	13 U	13 U		14 U	13 U	14 U
Vinyl Chloride	ug/Kg	13 U	13 U	13 U		14 U	13 U	14 U
Chloroethane	ug/Kg	13 U	13 U	13 U		14 U	13 U	14 U
Methylene Chloride	ug/Kg	13 U	13 U	13 U		14 U	13 U	14 U
Acetone	ug/Kg	13 U	13 U	13 U		14 U	13 U	14 U
Carbon Disulfide	ug/Kg	6 J	13 U	13 U		14 U	13 U	14 U
1,1-Dichloroethene	ug/Kg	13 U	13 U	13 U		14 U	13 U	14 U
1,1-Dichloroethane	ug/Kg	13 U	13 U	13 U		14 U	13 U	14 U
1,2-Dichloroethene (total)	ug/Kg	13 U	13 U	13 U		14 U	13 U	14 U
Chloroform	ug/Kg	13 U	13 U	13 U		14 U	13 U	14 U
1,2-Dichloroethane	ug/Kg	13 U	13 U	13 U		14 U	13 U	14 U
2-Butanone	ug/Kg	13 U	13 U	13 U		14 U	13 U	14 U
1,1,1-Trichloroethane	ug/Kg	13 U	13 U	13 U		14 U	13 U	14 U
Carbon Tetrachloride	ug/Kg	13 U	13 U	13 U		14 U	13 U	14 U
Vinyl Acetate	ug/Kg							
Bromodichloromethane	ug/Kg	13 U	13 U	13 U		14 U	13 U	14 U
1,2-Dichloropropane	ug/Kg	13 U	13 U	13 U		14 U	13 U	14 U
cis-1,3-Dichloropropene	ug/Kg	13 U	13 U	13 U		14 U	13 U	14 U
Trichloroethene	ug/Kg	13 U	13 U	13 U		14 U	13 U	14 U
Dibromochloromethane	ug/Kg	13 U	13 U	13 U		14 U	13 U	14 U
1,1,2-Trichloroethane	ug/Kg	13 U	13 U	13 U		14 U	13 U	14 U
Benzene	ug/Kg	13 U	13 U	13 U		14 U	13 U	14 U
trans-1,3-Dichloropropene	ug/Kg	13 U	13 U	13 U		14 U	13 U	14 U
Bromoform	ug/Kg	13 U	13 U	13 U		14 U	13 U	14 U
4-Methyl-2-Pentanone	ug/Kg	13 U	13 U	13 U		14 U	13 U	14 U
2-Hexanone	ug/Kg	13 U	13 U	13 U		14 U	13 U	14 U
Tetrachloroethene	ug/Kg	13 U	13 U	13 U		14 U	13 U	14 U
1,1,2,2-Tetrachloroethane	ug/Kg	13 U	13 U	13 U		14 U	13 U	14 U
Toluene	ug/Kg	13 U	13 U	13 U		14 U	13 U	14 U
Chlorobenzene	ug/Kg	13 U	13 U	13 U		14 U	13 U	14 U
Ethylbenzene	ug/Kg	13 U	13 U	13 U		14 U	13 U	14 U
Styrene	ug/Kg	13 U	13 U	13 U		14 U	13 U	14 U
Xylene (total)	ug/Kg	13 U	13 U	13 U		14 U	13 U	14 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SEDIMENTS

	MATRIX	PHASE II SOIL	PHASE II SOIL	PHASE II SOIL	PHASE II SOIL	PHASE II SOIL	PHASE II SOIL	PHASE II SOIL
	LOCATION	OB	OB	OB	OB	OB	OB	OB
	DATE	12/04/92	12/07/92	12/07/92	12/07/92	12/07/92	12/07/92	12/07/92
	ES ID	SD-250	SD-260	SD-261	SD-261RE	SD-270	SD-280	SD-290
	LAB ID	175414	175631	175632	175632	175633	175634	175635
COMPOUND	UNITS			DUP SD-260	DUP SD-260			
Semivolatiles								
Phenol	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
bis(2-Chloroethyl) ether	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
2-Chlorophenol	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
1,3-Dichlorobenzene	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
1,4-Dichlorobenzene	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
Benzyl Alcohol	ug/Kg							
1,2-Dichlorobenzene	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
2-Methylphenol	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
4-Methylphenol	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
N-Nitroso-di-n-propylamine	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
Hexachloroethane	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
Nitrobenzene	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
Isophorone	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
2-Nitrophenol	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
2,4-Dimethylphenol	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
Benzoic acid	ug/Kg							
bis(2-Chloroethoxy) methane	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
2,4-Dichlorophenol	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
1,2,4-Trichlorobenzene	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
Naphthalene	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
4-Chloroaniline	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
Hexachlorobutadiene	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
4-Chloro-3-methylphenol	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
2-Methylnaphthalene	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
Hexachlorocyclopentadiene	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
2,4,6-Trichlorophenol	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
2,4,5-Trichlorophenol	ug/Kg	1100 U	1000 U	960 U		1300 U	990 U	1200 U
2-Chloronaphthalene	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
2-Nitroaniline	ug/Kg	1100 U	1000 U	960 U		1300 U	990 U	1200 U
Dimethylphthalate	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
Acenaphthylene	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
2,6-Dinitrotoluene	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
3-Nitroaniline	ug/Kg	1100 U	1000 U	960 U		1300 U	990 U	1200 U
Acenaphthene	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
2,4-Dinitrophenol	ug/Kg	1100 U	1000 U	960 U		1300 U	990 U	1200 U
4-Nitrophenol	ug/Kg	1100 U	1000 U	960 U		1300 U	990 U	1200 U
Dibenzofuran	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
2,4-Dinitrotoluene	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
Diethylphthalate	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
4-Chlorophenyl-phenyl ether	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
Fluorene	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
4-Nitroaniline	ug/Kg	1100 U	1000 U	960 U		1300 U	990 U	1200 U
4,6-Dinitro-2-methylphenol	ug/Kg	1100 U	1000 U	960 U		1300 U	990 U	1200 U
N-Nitrosodiphenylamine (1)	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
4-Bromophenyl-phenyl ether	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
Hexachlorobenzene	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
Pentachlorophenol	ug/Kg	1100 U	1000 U	960 U		1300 U	990 U	1200 U
Phenanthrene	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
Anthracene	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
Carbazole	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
Di-n-butylphthalate	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
Fluoranthene	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
Pyrene	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
Butylbenzylphthalate	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
3,3'-Dichlorobenzidine	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
Benzo(a)anthracene	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
Chrysene	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
bis(2-Ethylhexyl)phthalate	ug/Kg	37 J	22 J	20 J		35 J	39 J	36 J
Di-n-octylphthalate	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
Benzo(b)fluoranthene	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
Benzo(k)fluoranthene	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
Benzo(a)pyrene	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
Indeno(1,2,3-cd)pyrene	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
Dibenz(a,h)anthracene	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U
Benzo(g,h,i)perylene	ug/Kg	460 U	420 U	390 U		540 U	410 U	490 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SEDIMENTS

	MATRIX	PHASE II SOIL	PHASE II SOIL	PHASE II SOIL	PHASE II SOIL	PHASE II SOIL	PHASE II SOIL	PHASE II SOIL
	LOCATION	OB	OB	OB	OB	OB	OB	OB
	DATE	12/04/92	12/07/92	12/07/92	12/07/92	12/07/92	12/07/92	12/07/92
	ES ID	SD-250	SD-260	SD-261	SD-261RE	SD-270	SD-280	SD-290
	LAB ID	175414	175631	175632	175632	175633	175634	175635
COMPOUND	UNITS			DUP SD-260	DUP SD-260			
Pesticides/PCBs								
alpha-BHC	ug/Kg	2.4 U	2.2 U	2.3 U	2.3 U	2.4 U	2.1 U	2.5 U
beta-BHC	ug/Kg	2.4 U	2.2 U	2.3 U	2.3 U	2.4 U	2.1 U	2.5 U
delta-BHC	ug/Kg	2.4 U	2.2 U	2.3 U	2.3 U	2.4 U	2.1 U	2.5 U
gamma-BHC (Lindane)	ug/Kg	2.4 U	2.2 U	2.3 U	2.3 U	2.4 U	2.1 U	2.5 U
Heptachlor	ug/Kg	2.4 U	2.2 U	2.3 U	2.3 U	2.4 U	2.1 U	2.5 U
Aldrin	ug/Kg	2.4 U	2.2 U	2.3 U	2.3 U	2.4 U	2.1 U	2.5 U
Heptachlor epoxide	ug/Kg	2.4 U	2.2 U	2.3 U	2.3 U	2.4 U	2.1 U	2.5 U
Endosulfan I	ug/Kg	2.4 U	2.2 U	2.3 U	2.3 U	2.4 U	2.1 U	2.5 U
Dieldrin	ug/Kg	4.6 U	4.3 U	4.5 U	4.5 U	4.6 U	4.2 U	4.9 U
4,4'-DDE	ug/Kg	4.6 U	4.3 U	4.5 U	4.5 U	4.6 U	4.2 U	4.9 U
Endrin	ug/Kg	4.6 U	4.3 U	4.5 U	4.5 U	4.6 U	4.2 U	4.9 U
Endosulfan II	ug/Kg	4.6 U	4.3 U	4.5 U	4.5 U	4.6 U	4.2 U	4.9 U
4,4'-DDD	ug/Kg	4.6 U	4.3 U	4.5 U	4.5 U	4.6 U	4.2 U	4.9 U
Endosulfan sulfate	ug/Kg	4.6 U	4.3 U	4.5 U	4.5 U	4.6 U	4.2 U	4.9 U
4,4'-DDT	ug/Kg	4.6 U	4.3 U	4.5 U	4.5 U	4.6 U	4.2 U	4.9 U
Methoxychlor	ug/Kg	24 U	22 U	23 U	23 U	24 U	21 U	25 U
Endrin ketone	ug/Kg	4.6 U	4.3 U	4.5 U	4.5 U	4.6 U	4.2 U	4.9 U
Endrin aldehyde	ug/Kg	4.6 U	4.3 U	4.5 U	4.5 U	4.6 U	4.2 U	4.9 U
alpha-Chlordane	ug/Kg	2.4 U	2.2 U	2.3 U	2.3 U	2.4 U	2.1 U	2.5 U
gamma-Chlordane	ug/Kg	2.4 U	2.2 U	2.3 U	2.3 U	2.4 U	2.1 U	2.5 U
Toxaphene	ug/Kg	240 U	220 U	230 U	230 U	240 U	210 U	250 U
Aroclor-1016	ug/Kg	46 U	43 U	45 U	45 U	46 U	42 U	49 U
Aroclor-1221	ug/Kg	94 U	86 U	91 U	91 U	94 U	85 U	100 U
Aroclor-1232	ug/Kg	46 U	43 U	45 U	45 U	46 U	42 U	49 U
Aroclor-1242	ug/Kg	46 U	43 U	45 U	45 U	46 U	42 U	49 U
Aroclor-1248	ug/Kg	46 U	43 U	45 U	45 U	46 U	42 U	49 U
Aroclor-1254	ug/Kg	46 U	43 U	45 U	45 U	46 U	42 U	49 U
Aroclor-1260	ug/Kg	46 U	43 U	45 U	45 U	46 U	42 U	49 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SEDIMENTS

	MATRIX	PHASE II	PHASE II	PHASE II	PHASE II	PHASE II	PHASE II	PHASE II
	LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	DATE	OB	OB	OB	OB	OB	OB	OB
	ES ID	12/04/92	12/07/92	12/07/92	12/07/92	12/07/92	12/07/92	12/07/92
	LAB ID	SD-250	SD-260	SD-261	SD-261RE	SD-270	SD-280	SD-290
COMPOUND	UNITS	175414	175631	175632 DUP SD-260	175632 DUP SD-260	175633	175634	175635
Explosives								
HMX	ug/Kg	120 U	120 U	120 U		120 U	120 U	130
RDX	ug/Kg	120 U	120 U	120 U		120 U	120 U	120 U
1,3,5-Trinitrobenzene	ug/Kg	120 U	120 U	120 U		120 U	120 U	120 U
1,3-Dinitrobenzene	ug/Kg	120 U	120 U	120 U		120 U	120 U	120 U
Tetryl	ug/Kg	120 U	120 U	120 U		120 U	120 U	120 U
2,4,6-Trinitrotoluene	ug/Kg	120 U	120 U	120 U		120 U	120 U	120 U
4-amino-2,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U		120 U	120 U	120 U
2-amino-4,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U		120 U	120 U	85 J
2,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U		120 U	120 U	120 U
2,4-Dinitrotoluene	ug/Kg	120 U	120 U	120 U		120 U	120 U	120 U
Metals								
Aluminum	mg/Kg	12900	10800	10500		15900	15900	13100
Antimony	mg/Kg	10.8 UJ	10.7 UJ	9.9 UJ		13.7 UJ	7.1 UJ	9.7 UJ
Arsenic	mg/Kg	2.5	3.4	2.1		7.2	3.2	2.1 J
Barium	mg/Kg	138	92.7	91		142	96.5	98.5
Beryllium	mg/Kg	0.51 J	0.86 J	0.5 J		1.1 J	0.6 J	1.1
Cadmium	mg/Kg	0.62 U	0.61 U	0.57 U		0.78 U	0.41 U	2
Calcium	mg/Kg	5680	85500	83000		3500	34500	10500
Chromium	mg/Kg	18.7	17.6	16.8		21.5	25.6	21
Cobalt	mg/Kg	8.8 J	9.8 J	9.3		10.4 J	8.2	10.6
Copper	mg/Kg	22.9	25.7	19.3		23.7	31	88.7
Iron	mg/Kg	26000	23300	21600		29200	28600	24900
Lead	mg/Kg	32.3	11	6.6		22.4	12.5	24.1
Magnesium	mg/Kg	4110	10800	9830		4110	7260	4920
Manganese	mg/Kg	313	378	410		385	340	357
Mercury	mg/Kg	0.06 J	0.03 U	0.03 J		0.1 J	0.07 J	0.83
Nickel	mg/Kg	24.7	32.8	29.6		22.9	35.7	34.9
Potassium	mg/Kg	1010	1040	1140		1500	1390	1370
Selenium	mg/Kg	0.52 J	1.2 J	1.8 J		1.5 J	0.96 J	0.71 J
Silver	mg/Kg	0.64 U	0.63 U	0.58 U		0.81 U	0.42 U	1.3 J
Sodium	mg/Kg	59.6 U	191 J	189 J		75.6 U	105 J	85.5 J
Thallium	mg/Kg	0.5 U	0.56 U	0.52 U		0.59 U	0.42 U	0.68 U
Vanadium	mg/Kg	22.2	17.2	16.1		31.2	23.2	19.9
Zinc	mg/Kg	68.9	66.3	61		60.2	113	208
Cyanide	mg/Kg	0.87 U	0.78 U	0.65 U		0.97 U	0.7 U	0.85 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SEDIMENTS

	MATRIX	PHASE II SOIL	PHASE II SOIL	PHASE II SOIL
	LOCATION	OB	OB	OB
	DATE	12/08/92	12/08/92	12/08/92
	ES ID	SD-300	SD-310	SD-320
	LAB ID	175902	175757	175758
COMPOUND	UNITS			
Volatile Organic Compounds				
Chloromethane	ug/Kg	13 U	11 U	13 U
Bromomethane	ug/Kg	13 U	11 U	13 U
Vinyl Chloride	ug/Kg	13 U	11 U	13 U
Chloroethane	ug/Kg	13 U	11 U	13 U
Methylene Chloride	ug/Kg	13 U	11 U	13 U
Acetone	ug/Kg	13 U	11 U	22 U
Carbon Disulfide	ug/Kg	13 U	11 U	13 U
1,1-Dichloroethene	ug/Kg	13 U	11 U	13 U
1,1-Dichloroethane	ug/Kg	13 U	11 U	13 U
1,2-Dichloroethene (total)	ug/Kg	13 U	11 U	13 U
Chloroform	ug/Kg	13 U	11 U	13 U
1,2-Dichloroethane	ug/Kg	13 U	11 U	13 U
2-Butanone	ug/Kg	13 U	11 U	13 U
1,1,1-Trichloroethane	ug/Kg	13 U	11 U	13 U
Carbon Tetrachloride	ug/Kg	13 U	11 U	13 U
Vinyl Acetate	ug/Kg			
Bromodichloromethane	ug/Kg	13 U	11 U	13 U
1,2-Dichloropropane	ug/Kg	13 U	11 U	13 U
cis-1,3-Dichloropropene	ug/Kg	13 U	11 U	13 U
Trichloroethene	ug/Kg	13 U	11 U	13 U
Dibromochloromethane	ug/Kg	13 U	11 U	13 U
1,1,2-Trichloroethane	ug/Kg	13 U	11 U	13 U
Benzene	ug/Kg	13 U	11 U	13 U
trans-1,3-Dichloropropene	ug/Kg	13 U	11 U	13 U
Bromoform	ug/Kg	13 U	11 U	13 U
4-Methyl-2-Pentanone	ug/Kg	13 U	11 U	13 U
2-Hexanone	ug/Kg	13 U	11 U	13 U
Tetrachloroethene	ug/Kg	13 U	11 U	13 U
1,1,2,2-Tetrachloroethane	ug/Kg	13 U	11 U	13 U
Toluene	ug/Kg	13 U	11 U	13 U
Chlorobenzene	ug/Kg	13 U	11 U	13 U
Ethylbenzene	ug/Kg	13 U	11 U	13 U
Styrene	ug/Kg	13 U	11 U	13 U
Xylene (total)	ug/Kg	13 U	11 U	13 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SEDIMENTS

COMPOUND	MATRIX	PHASE II	PHASE II	PHASE II
	LOCATION	SOIL	SOIL	SOIL
	DATE	OB	OB	OB
	ES ID	12/08/92	12/08/92	12/08/92
	LAB ID	SD-300	SD-310	SD-320
	UNITS	175902	175757	175758
Semivolatiles				
Phenol	ug/Kg	370 U	400 U	450 U
bis(2-Chloroethyl) ether	ug/Kg	370 U	400 U	450 U
2-Chlorophenol	ug/Kg	370 U	400 U	450 U
1,3-Dichlorobenzene	ug/Kg	370 U	400 U	450 U
1,4-Dichlorobenzene	ug/Kg	370 U	400 U	450 U
Benzyl Alcohol	ug/Kg			
1,2-Dichlorobenzene	ug/Kg	370 U	400 U	450 U
2-Methylphenol	ug/Kg	370 U	400 U	450 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	370 U	400 U	450 U
4-Methylphenol	ug/Kg	370 U	400 U	130 J
N-Nitroso-di-n-propylamine	ug/Kg	370 U	400 U	450 U
Hexachloroethane	ug/Kg	370 U	400 U	450 U
Nitrobenzene	ug/Kg	370 U	400 U	450 U
Isophorone	ug/Kg	370 U	400 U	450 U
2-Nitrophenol	ug/Kg	370 U	400 U	450 U
2,4-Dimethylphenol	ug/Kg	370 U	400 U	450 U
Benzoic acid	ug/Kg			
bis(2-Chloroethoxy) methane	ug/Kg	370 U	400 U	450 U
2,4-Dichlorophenol	ug/Kg	370 U	400 U	450 U
1,2,4-Trichlorobenzene	ug/Kg	370 U	400 U	450 U
Naphthalene	ug/Kg	370 U	18 J	24 J
4-Chloroaniline	ug/Kg	370 U	400 U	450 U
Hexachlorobutadiene	ug/Kg	370 U	400 U	450 U
4-Chloro-3-methylphenol	ug/Kg	370 U	400 U	450 U
2-Methylnaphthalene	ug/Kg	12 J	400 U	450 U
Hexachlorocyclopentadiene	ug/Kg	370 U	400 U	450 U
2,4,6-Trichlorophenol	ug/Kg	370 U	400 U	450 U
2,4,5-Trichlorophenol	ug/Kg	900 U	970 U	1100 U
2-Chloronaphthalene	ug/Kg	370 U	400 U	450 U
2-Nitroaniline	ug/Kg	900 U	970 U	1100 U
Dimethylphthalate	ug/Kg	370 U	400 U	450 U
Acenaphthylene	ug/Kg	370 U	400 U	450 U
2,6-Dinitrotoluene	ug/Kg	370 U	400 U	450 U
3-Nitroaniline	ug/Kg	900 U	970 U	1100 U
Acenaphthene	ug/Kg	370 U	400 U	450 U
2,4-Dinitrophenol	ug/Kg	900 U	970 U	1100 U
4-Nitrophenol	ug/Kg	900 U	970 U	1100 U
Dibenzofuran	ug/Kg	370 U	400 U	450 U
2,4-Dinitrotoluene	ug/Kg	42 J	400 U	450 U
Diethylphthalate	ug/Kg	370 U	400 U	450 U
4-Chlorophenyl-phenylether	ug/Kg	370 U	400 U	450 U
Fluorene	ug/Kg	370 U	400 U	450 U
4-Nitroaniline	ug/Kg	900 U	970 U	1100 U
4,6-Dinitro-2-methylphenol	ug/Kg	900 U	970 U	1100 U
N-Nitrosodiphenylamine (1)	ug/Kg	100 J	400 U	450 U
4-Bromophenyl-phenylether	ug/Kg	370 U	400 U	450 U
Hexachlorobenzene	ug/Kg	370 U	400 U	450 U
Pentachlorophenol	ug/Kg	900 U	970 U	1100 U
Phenanthrene	ug/Kg	19 J	20 J	36 J
Anthracene	ug/Kg	370 U	400 U	450 U
Carbazole	ug/Kg	370 U	400 U	450 U
Di-n-butylphthalate	ug/Kg	370 U	400 U	450 U
Fluoranthene	ug/Kg	370 U	400 U	29 J
Pyrene	ug/Kg	370 U	400 U	21 J
Butylbenzylphthalate	ug/Kg	370 U	400 U	450 U
3,3'-Dichlorobenzidine	ug/Kg	370 U	400 U	450 U
Benzo(a)anthracene	ug/Kg	370 U	400 U	450 U
Chrysene	ug/Kg	370 U	400 U	18 J
bis(2-Ethylhexyl)phthalate	ug/Kg	15 J	24 J	39 J
Di-n-octylphthalate	ug/Kg	370 U	400 U	450 U
Benzo(b)fluoranthene	ug/Kg	370 U	400 U	450 U
Benzo(k)fluoranthene	ug/Kg	370 U	400 U	450 U
Benzo(a)pyrene	ug/Kg	370 U	400 U	450 U
Indeno(1,2,3-cd)pyrene	ug/Kg	370 U	400 U	450 U
Dibenz(a,h)anthracene	ug/Kg	370 U	400 U	450 U
Benzo(g,h,i)perylene	ug/Kg	370 U	400 U	450 U

SENECA ARMY DEPOT
OB GROUNDS
SUMMARY OF VALIDATED RESULTS (PHASE I and II)
SEDIMENTS

COMPOUND	MATRIX LOCATION DATE ES ID LAB ID UNITS	PHASE II SOIL OB 12/08/92 SD-300 175902	PHASE II SOIL OB 12/08/92 SD-310 175757	PHASE II SOIL OB 12/08/92 SD-320 175758
Pesticides/PCBs				
alpha-BHC	ug/Kg	1.9 U	2.1 U	2.3 U
beta-BHC	ug/Kg	1.9 U	2.1 U	2.3 U
delta-BHC	ug/Kg	1.9 U	2.1 U	2.3 U
gamma-BHC (Lindane)	ug/Kg	1.9 U	2.1 U	2.3 U
Heptachlor	ug/Kg	1.9 U	2.1 U	2.3 U
Aldrin	ug/Kg	1.9 U	2.1 U	2.3 U
Heptachlor epoxide	ug/Kg	1.9 U	2.1 U	2.3 U
Endosulfan I	ug/Kg	1.9 U	2.1 U	2.3 U
Dieldrin	ug/Kg	3.6 U	4 U	4.4 U
4,4'-DDE	ug/Kg	3.6 U	4 U	4.4 U
Endrin	ug/Kg	3.6 U	4 U	4.4 U
Endosulfan II	ug/Kg	3.6 U	4 U	4.4 U
4,4'-DDD	ug/Kg	3.6 U	4 U	4.4 U
Endosulfan sulfate	ug/Kg	3.6 U	4 U	4.4 U
4,4'-DDT	ug/Kg	3.6 U	4 U	4.4 U
Methoxychlor	ug/Kg	19 U	21 U	23 U
Endrin ketone	ug/Kg	3.6 U	4 U	4.4 U
Endrin aldehyde	ug/Kg	3.6 U	4 U	4.4 U
alpha-Chlordane	ug/Kg	1.9 U	2.1 U	2.3 U
gamma-Chlordane	ug/Kg	1.9 U	2.1 U	2.3 U
Toxaphene	ug/Kg	190 U	210 U	230 U
Aroclor-1016	ug/Kg	36 U	40 U	44 U
Aroclor-1221	ug/Kg	74 U	82 U	90 U
Aroclor-1232	ug/Kg	36 U	40 U	44 U
Aroclor-1242	ug/Kg	36 U	40 U	44 U
Aroclor-1248	ug/Kg	36 U	40 U	44 U
Aroclor-1254	ug/Kg	36 U	40 U	44 U
Aroclor-1260	ug/Kg	36 U	40 U	44 U