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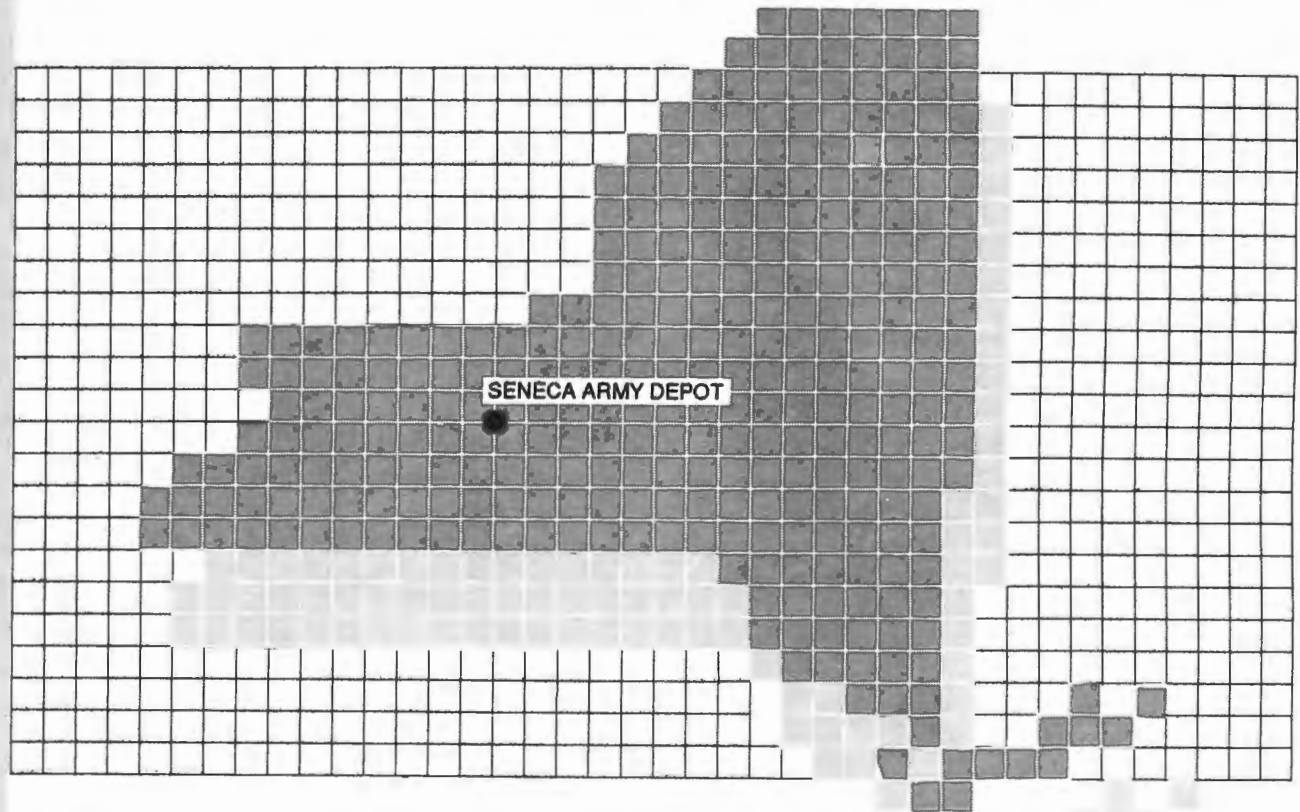
U.S ARMY ENGINEER DIVISION
HUNTSVILLE, ALABAMA

00425

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DRAFT



PRELIMINARY SITE CHARACTERIZATION REPORT
AT THE OPEN-BURNING (OB) GROUNDS
APPENDICES

APPENDIX A

HISTORICAL GROUNDWATER MONITORING DATA

MONITORING WELL MW-1

CONSTITUENT	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	Average
METALS							
ARSENIC	mg/l	ND	-	-	-	-	0.000
BARIUM	mg/l	0.090	-	-	-	-	0.090
CADMIUM	mg/l	0.002	-	-	-	-	0.002
CHROMIUM	mg/l	ND	-	-	-	-	0.000
LEAD	mg/l	ND	-	-	-	-	0.000
MERCURY	mg/l	0.002	-	-	-	-	0.002
SELENIUM	mg/l	ND	-	-	-	-	0.000
SILVER	mg/l	ND	-	-	-	-	0.000
MISCELLANEOUS							
CHLORIDE	mg/l	8.6	3.4	-	4.3	-	5.4
CONDUCTANCE	umhos/cm	-	860	1400	845	-	1035
IRON	mg/l	0.022	1.500	-	ND	-	0.507
MANGANESE	mg/l	-	0.015	-	ND	-	0.008
PHENOL	mg/l	ND	ND	-	ND	-	0.000
pH	Standard	-	-	-	6.60	-	6.60
POTASSIUM	mg/l	2.70	-	-	-	-	2.70
SODIUM	mg/l	6.70	8.60	-	12.50	-	9.27
SULFATE	mg/l	220	280	-	292	-	264
TOC	mg/l	6.10	5.00	4.70	8.90	-	6.18
TOX	mg/l	ND	0.04	ND	0.007	-	0.012
EXPLOSIVES							
TNT 2,4,6	mg/l	ND	ND	ND	ND	-	0.000
DNT 2,4	mg/l	ND	ND	ND	ND	-	0.000
DNT 2,6	mg/l	ND	ND	ND	ND	-	0.000
RDX	mg/l	ND	ND	ND	ND	-	0.000
HMX	mg/l	ND	ND	ND	ND	-	0.000
TETRYL	mg/l	ND	ND	ND	ND	-	0.000

MONITORING WELL MW-2

CONSTITUENT	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	Average
METALS							
ARSENIC	mg/l	ND	-	-	-	-	0.000
BARIUM	mg/l	0.078	-	-	-	-	0.078
CADMIUM	mg/l	ND	-	-	-	-	0.000
CHROMIUM	mg/l	ND	-	-	-	-	0.000
LEAD	mg/l	ND	-	-	-	-	0.000
MERCURY	mg/l	0.002	-	-	-	-	0.002
SELENIUM	mg/l	ND	-	-	-	-	0.000
SILVER	mg/l	ND	-	-	-	-	0.000
MISCELLANEOUS							
CHLORIDE	mg/l	6.2	2.6	-	2.6	-	3.8
CONDUCTANCE	umhos/cm	-	520	1700	585	-	935
IRON	mg/l	0.032	1.400	-	ND	-	0.477
MANGANESE	mg/l	-	0.011	-	ND	-	0.006
PHENOL	mg/l	ND	ND	-	0.003	-	0.001
pH	Standard	-	-	-	6.80	-	6.80
POTASSIUM	mg/l	0.80	-	-	-	-	0.80
SODIUM	mg/l	6.80	3.50	-	14.40	-	8.23
SULFATE	mg/l	140	73	-	103	-	105
TOC	mg/l	4.50	6.40	7.10	250.00	-	67.00
TOX	mg/l	ND	0.05	ND	0.012	-	0.016
EXPLOSIVES							
TNT 2,4,6	mg/l	ND	ND	ND	ND	-	0.000
DNT 2,4	mg/l	ND	ND	ND	ND	-	0.000
DNT 2,6	mg/l	ND	ND	ND	ND	-	0.000
RDX	mg/l	ND	ND	ND	ND	-	0.00
HMX	mg/l	ND	ND	ND	ND	-	0.00
TETRYL	mg/l	ND	ND	ND	ND	-	0.00

MONITORING WELL MW-3

CONSTITUENT	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	Average
METALS							
ARSENIC	mg/l	ND	-	-	-	-	0.000
BARIUM	mg/l	0.058	-	-	-	-	0.058
CADMIUM	mg/l	ND	-	-	-	-	0.000
CHROMIUM	mg/l	ND	-	-	-	-	0.000
LEAD	mg/l	ND	-	-	-	-	0.000
MERCURY	mg/l	ND	-	-	-	-	0.000
SELENIUM	mg/l	ND	-	-	-	-	0.000
SILVER	mg/l	ND	-	-	-	-	0.000
MISCELLANEOUS							
CHLORIDE	mg/l	13.0	4.0	-	4.3	-	7.1
CONDUCTANCE	umhos/cm	-	650	1400	575	838	866
IRON	mg/l	0.043	0.670	-	ND	-	0.238
MANGANESE	mg/l	-	ND	-	ND	-	0.000
PHENOL	mg/l	ND	ND	-	ND	-	0.000
pH	Standard	-	-	-	6.80	7.10	6.95
POTASSIUM	mg/l	0.90	-	-	-	-	0.90
SODIUM	mg/l	3.70	3.40	-	3.50	-	3.53
SULFATE	mg/l	210	100	-	60	-	123
TOC	mg/l	5.60	6.20	5.90	7.30	15.60	8.12
TOX	mg/l	ND	0.06	ND	9.20	ND	1.85
EXPLOSIVES							
TNT 2,4,6	mg/l	ND	ND	ND	ND	ND	0.000
DNT 2,4	mg/l	ND	ND	ND	ND	ND	0.000
DNT 2,6	mg/l	ND	ND	ND	ND	ND	0.000
RDX	mg/l	ND	ND	ND	ND	ND	0.00
HMX	mg/l	ND	ND	ND	ND	ND	0.00
TETRYL	mg/l	ND	ND	ND	ND	ND	0.00

MONITORING WELL MW-4

CONSTITUENT	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	Average
METALS							
ARSENIC	mg/l	ND	-	-	-	-	0.000
BARIUM	mg/l	0.072	-	-	-	-	0.072
CADMIUM	mg/l	0.001	-	-	-	-	0.001
CHROMIUM	mg/l	ND	-	-	-	-	0.000
LEAD	mg/l	ND	-	-	-	-	0.000
MERCURY	mg/l	ND	-	-	-	-	0.000
SELENIUM	mg/l	ND	-	-	-	-	0.000
SILVER	mg/l	ND	-	-	-	-	0.000
MISCELLANEOUS							
CHLORIDE	mg/l	6.4	3.5	-	4.3	-	4.7
CONDUCTANCE	umhos/cm	-	890	1400	900	-	1063
IRON	mg/l	0.042	4.100	-	ND	-	1.381
MANGANESE	mg/l	-	0.064	-	0.030	-	0.047
PHENOL	mg/l	ND	ND	-	ND	-	0.000
pH	Standard	-	-	-	6.60	-	6.60
POTASSIUM	mg/l	4.10	-	-	-	-	4.10
SODIUM	mg/l	9.00	16.00	-	22.30	-	15.77
SULFATE	mg/l	130	220	-	232	-	194
TOC	mg/l	11.30	5.00	9.00	3.60	-	7.23
TOX	mg/l	0.02	0.02	ND	0.005	-	0.011
EXPLOSIVES							
TNT 2,4,6	mg/l	ND	ND	ND	ND	-	0.000
DNT 2,4	mg/l	ND	ND	ND	ND	ND	0.000
DNT 2,6	mg/l	ND	ND	ND	ND	ND	0.000
RDX	mg/l	ND	ND	ND	ND	ND	0.00
HMX	mg/l	ND	ND	ND	ND	ND	0.00
TETRYL	mg/l	ND	ND	ND	ND	ND	0.00

MONITORING WELL MW-5

CONSTITUENT	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	Average
METALS							
ARSENIC	mg/l	ND	-	-	-	-	0.000
BARIUM	mg/l	0.060	-	-	-	-	0.060
CADMIUM	mg/l	ND	-	-	-	-	0.000
CHROMIUM	mg/l	ND	-	-	-	-	0.000
LEAD	mg/l	ND	-	-	-	-	0.000
MERCURY	mg/l	ND	-	-	-	-	0.000
SELENIUM	mg/l	ND	-	-	-	-	0.000
SILVER	mg/l	ND	-	-	-	-	0.000
MISCELLANEOUS							
CHLORIDE	mg/l	6.2	2.8	-	3.5	-	4.2
CONDUCTANCE	umhos/cm	-	3500	1700	730	-	1977
IRON	mg/l	0.024	0.790	-	ND	-	0.271
MANGANESE	mg/l	-	0.028	-	0.020	-	0.024
PHENOL	mg/l	ND	ND	-	ND	-	0.000
pH	Standard	-	-	-	6.90	-	6.90
POTASSIUM	mg/l	0.80	-	-	-	-	0.80
SODIUM	mg/l	6.90	5.30	-	15.90	-	9.37
SULFATE	mg/l	100	70	-	94	-	88
TOC	mg/l	3.50	6.20	4.30	6.00	-	5.00
TOX	mg/l	ND	0.03	0.02	ND	-	0.01
EXPLOSIVES							
TNT 2,4,6	mg/l	ND	ND	ND	ND	-	0.000
DNT 2,4	mg/l	ND	ND	ND	ND	-	0.000
DNT 2,6	mg/l	ND	ND	ND	ND	-	0.000
RDX	mg/l	ND	ND	ND	ND	-	0.00
HMX	mg/l	ND	ND	ND	ND	-	0.00
TETRYL	mg/l	ND	ND	ND	ND	-	0.00

MONITORING WELL MW-6

CONSTITUENT	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	Average
METALS							
ARSENIC	mg/l	ND	-	-	-	-	0.000
BARIUM	mg/l	0.018	-	-	-	-	0.018
CADMIUM	mg/l	ND	-	-	-	-	0.000
CHROMIUM	mg/l	ND	-	-	-	-	0.000
LEAD	mg/l	ND	-	-	-	-	0.000
MERCURY	mg/l	ND	-	-	-	-	0.000
SELENIUM	mg/l	ND	-	-	-	-	0.000
SILVER	mg/l	ND	-	-	-	-	0.000
MISCELLANEOUS							
CHLORIDE	mg/l	6.0	4.0	-	3.5	-	4.5
CONDUCTANCE	umhos/cm	-	680	1700	688	718	947
IRON	mg/l	0.120	0.970	-	ND	-	0.363
MANGANESE	mg/l	-	0.019	-	ND	-	0.010
PHENOL	mg/l	ND	ND	-	ND	-	0.000
pH	Standard	-	-	-	6.70	7.20	6.95
POTASSIUM	mg/l	0.80	-	-	-	-	0.80
SODIUM	mg/l	9.40	8.00	-	13.10	-	10.17
SULFATE	mg/l	69	93	-	88	-	83
TOC	mg/l	7.20	8.70	1.50	5.40	389.00	82.36
TOX	mg/l	0.04	0.05	ND	ND	0.052	0.028
EXPLOSIVES							
TNT 2,4,6	mg/l	ND	ND	ND	ND	ND	0.000
DNT 2,4	mg/l	ND	ND	ND	ND	ND	0.000
DNT 2,6	mg/l	ND	ND	ND	ND	ND	0.000
RDX	mg/l	ND	ND	ND	ND	ND	0.00
HMX	mg/l	ND	ND	ND	ND	ND	0.00
TETRYL	mg/l	ND	ND	ND	ND	ND	0.00

MONITORING WELL MW-7

CONSTITUENT	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	Average
METALS							
ARSENIC	mg/l	ND	-	-	-	-	0.000
BARIUM	mg/l	0.036	-	-	-	-	0.036
CADMIUM	mg/l	ND	-	-	-	-	0.000
CHROMIUM	mg/l	ND	-	-	-	-	0.000
LEAD	mg/l	ND	-	-	-	-	0.000
MERCURY	mg/l	ND	-	-	-	-	0.000
SELENIUM	mg/l	ND	-	-	-	-	0.000
SILVER	mg/l	ND	-	-	-	-	0.000
MISCELLANEOUS							
CHLORIDE	mg/l	1.8	1.2	-	1.7	-	1.6
CONDUCTANCE	umhos/cm	-	400	-	524	-	462
IRON	mg/l	2.000	1.600	-	ND	-	1.200
MANGANESE	mg/l	-	0.019	-	0.010	-	0.015
PHENOL	mg/l	ND	ND	-	ND	-	0.000
pH	Standard	-	-	-	7.00	-	7.00
POTASSIUM	mg/l	4.20	-	-	-	-	4.20
SODIUM	mg/l	1.40	1.60	-	8.85	-	3.95
SULFATE	mg/l	29	24	-	40	-	31
TOC	mg/l	18.30	6.00	-	9.00	-	11.10
TOX	mg/l	0.02	0.08	-	ND	-	0.03
EXPLOSIVES							
TNT 2,4,6	mg/l	ND	ND	-	ND	-	0.000
DNT 2,4	mg/l	ND	ND	-	ND	-	0.000
DNT 2,6	mg/l	ND	ND	-	ND	-	0.000
RDX	mg/l	ND	ND	-	ND	-	0.00
HMX	mg/l	ND	ND	-	ND	-	0.00
TETRYL	mg/l	ND	ND	-	ND	-	0.00

MONITORING WELL MW-8

CONSTITUENT	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	Average
METALS							
ARSENIC	mg/l	-	-	-	-	-	0.000
BARIUM	mg/l	-	-	-	-	-	0.000
CADMIUM	mg/l	-	-	-	-	-	0.000
CHROMIUM	mg/l	-	-	-	-	-	0.000
LEAD	mg/l	-	-	-	-	-	0.000
MERCURY	mg/l	-	-	-	-	-	0.000
SELENIUM	mg/l	-	-	-	-	-	0.000
SILVER	mg/l	-	-	-	-	-	0.000
MISCELLANEOUS							
CHLORIDE	mg/l	-	26.0	-	19.9	-	23.0
CONDUCTANCE	umhos/cm	-	1500	1100	1753	1402	1439
IRON	mg/l	-	0.680	-	ND	-	0.340
MANGANESE	mg/l	-	0.029	-	0.020	-	0.025
PHENOL	mg/l	-	ND	-	ND	-	0.000
pH	Standard	-	-	-	6.50	7.10	6.80
POTASSIUM	mg/l	-	-	-	-	-	0.00
SODIUM	mg/l	-	32.00	-	17.70	-	24.85
SULFATE	mg/l	-	640	-	807	-	724
TOC	mg/l	-	10.00	1.60	ND	ND	2.90
TOX	mg/l	-	0.07	ND	ND	ND	0.02
EXPLOSIVES							
TNT 2,4,6	mg/l	-	ND	ND	ND	ND	0.000
DNT 2,4	mg/l	-	ND	ND	ND	ND	0.000
DNT 2,6	mg/l	-	ND	ND	ND	ND	0.000
RDX	mg/l	-	ND	ND	ND	ND	0.00
HMX	mg/l	-	ND	ND	ND	ND	0.00
TETRYL	mg/l	-	ND	ND	ND	ND	0.00

MONITORING WELL MW-9

CONSTITUENT	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	Average
METALS							
ARSENIC	mg/l	-	-	-	-	-	0.000
BARIUM	mg/l	-	-	-	-	-	0.000
CADMIUM	mg/l	-	-	-	-	-	0.000
CHROMIUM	mg/l	-	-	-	-	-	0.000
LEAD	mg/l	-	-	-	-	-	0.000
MERCURY	mg/l	-	-	-	-	-	0.000
SELENIUM	mg/l	-	-	-	-	-	0.000
SILVER	mg/l	-	-	-	-	-	0.000
MISCELLANEOUS							
CHLORIDE	mg/l	-	6.8	-	3.5	-	5.1
CONDUCTANCE	umhos/cm	-	860	1500	901	1102	1091
IRON	mg/l	-	0.800	-	ND	-	0.400
MANGANESE	mg/l	-	0.035	-	0.030	-	0.033
PHENOL	mg/l	-	ND	-	ND	-	0.000
pH	Standard	-	-	-	6.60	7.10	6.85
POTASSIUM	mg/l	-	-	-	-	-	0.00
SODIUM	mg/l	-	10.00	-	10.10	-	10.05
SULFATE	mg/l	-	210	-	228	-	219
TOC	mg/l	-	4.60	1.50	ND	7.90	3.50
TOX	mg/l	-	0.03	ND	0.008	0.012	0.013
EXPLOSIVES							
TNT 2,4,6	mg/l	-	ND	ND	ND	ND	0.000
DNT 2,4	mg/l	-	ND	ND	ND	ND	0.000
DNT 2,6	mg/l	-	ND	ND	ND	ND	0.000
RDX	mg/l	-	ND	ND	ND	ND	0.00
HMX	mg/l	-	ND	ND	ND	ND	0.00
TETRYL	mg/l	-	ND	ND	ND	ND	0.00

MONITORING WELL MW-10

CONSTITUENT	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	Average
METALS							
ARSENIC	mg/l	-	-	-	-	-	0.000
BARIUM	mg/l	-	-	-	-	-	0.000
CADMIUM	mg/l	-	-	-	-	-	0.000
CHROMIUM	mg/l	-	-	-	-	-	0.000
LEAD	mg/l	-	-	-	-	-	0.000
MERCURY	mg/l	-	-	-	-	-	0.000
SELENIUM	mg/l	-	-	-	-	-	0.000
SILVER	mg/l	-	-	-	-	-	0.000
MISCELLANEOUS							
CHLORIDE	mg/l	-	13.0	-	10.4	-	11.7
CONDUCTANCE	umhos/cm	-	940	1400	972	605	979
IRON	mg/l	-	0.140	-	ND	-	0.070
MANGANESE	mg/l	-	0.020	-	0.020	-	0.020
PHENOL	mg/l	-	ND	-	ND	-	0.000
pH	Standard	-	-	-	6.60	7.40	7.00
POTASSIUM	mg/l	-	-	-	-	-	0.00
SODIUM	mg/l	-	10.00	-	11.10	-	10.55
SULFATE	mg/l	-	270	-	252	-	261
TOC	mg/l	-	5.20	ND	ND	6.50	2.93
TOX	mg/l	-	0.03	ND	ND	25.00	6.26
EXPLOSIVES							
TNT 2,4,6	mg/l	-	ND	ND	ND	ND	0.000
DNT 2,4	mg/l	-	ND	ND	ND	ND	0.000
DNT 2,6	mg/l	-	ND	ND	ND	ND	0.000
RDX	mg/l	-	ND	ND	ND	ND	0.00
HMX	mg/l	-	ND	ND	ND	ND	0.00
TETRYL	mg/l	-	ND	ND	ND	ND	0.00

MONITORING WELL MW-11

CONSTITUENT	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	Average
METALS							
ARSENIC	mg/l	-	-	-	-	-	0.000
BARIUM	mg/l	-	-	-	-	-	0.000
CADMIUM	mg/l	-	-	-	-	-	0.000
CHROMIUM	mg/l	-	-	-	-	-	0.000
LEAD	mg/l	-	-	-	-	-	0.000
MERCURY	mg/l	-	-	-	-	-	0.000
SELENIUM	mg/l	-	-	-	-	-	0.000
SILVER	mg/l	-	-	-	-	-	0.000
MISCELLANEOUS							
CHLORIDE	mg/l	-	41.0	-	15.6	-	28.3
CONDUCTANCE	umhos/cm	-	1000	1200	789	1257	1062
IRON	mg/l	-	0.500	-	ND	-	0.250
MANGANESE	mg/l	-	0.022	-	ND	-	0.011
PHENOL	mg/l	-	ND	-	ND	-	0.000
pH	Standard	-	-	-	6.60	6.80	6.70
POTASSIUM	mg/l	-	-	-	-	-	0.00
SODIUM	mg/l	-	17.00	-	15.60	-	16.30
SULFATE	mg/l	-	250	-	189	-	220
TOC	mg/l	-	5.50	ND	12.40	ND	4.48
TOX	mg/l	-	0.02	ND	ND	ND	0.01
EXPLOSIVES							
TNT 2,4,6	mg/l	-	ND	ND	ND	ND	0.000
DNT 2,4	mg/l	-	ND	ND	ND	ND	0.000
DNT 2,6	mg/l	-	ND	ND	ND	ND	0.000
RDX	mg/l	-	ND	ND	ND	ND	0.00
HMX	mg/l	-	ND	ND	ND	ND	0.00
TETRYL	mg/l	-	ND	ND	ND	ND	0.00

MONITORING WELL MW-12

CONSTITUENT	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	Average
METALS							
ARSENIC	mg/l	--	--	--	--	--	0.000
BARIUM	mg/l	--	--	--	--	--	0.000
CADMIUM	mg/l	--	--	--	--	--	0.000
CHROMIUM	mg/l	--	--	--	--	--	0.000
LEAD	mg/l	--	--	--	--	--	0.000
MERCURY	mg/l	--	--	--	--	--	0.000
SELENIUM	mg/l	--	--	--	--	--	0.000
SILVER	mg/l	--	--	--	--	--	0.000
MISCELLANEOUS							
CHLORIDE	mg/l	--	11.0	--	6.9	--	9.0
CONDUCTANCE	umhos/cm	--	9900	1400	926	910	3284
IRON	mg/l	--	0.890	--	ND	--	0.445
MANGANESE	mg/l	--	0.019	--	0.010	--	0.015
PHENOL	mg/l	--	ND	--	ND	--	0.000
pH	Standard	--	--	--	6.70	7.30	7.00
POTASSIUM	mg/l	--	--	--	--	--	0.00
SODIUM	mg/l	--	20.00	--	19.20	--	19.60
SULFATE	mg/l	--	110	--	106	--	108
TOC	mg/l	--	5.00	1.90	25.80	6.60	9.83
TOX	mg/l	--	0.05	ND	ND	0.010	0.015
EXPLOSIVES							
TNT 2,4,6	mg/l	--	ND	ND	ND	ND	0.000
DNT 2,4	mg/l	--	ND	ND	ND	ND	0.000
DNT 2,6	mg/l	--	ND	ND	ND	ND	0.000
RDX	mg/l	--	ND	ND	ND	ND	0.00
HMX	mg/l	--	ND	ND	ND	ND	0.00
TETRYL	mg/l	--	ND	ND	ND	ND	0.00

MONITORING WELL MW-13

CONSTITUENT	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	Average
METALS							
ARSENIC	mg/l	-	-	-	-	-	0.000
BARIUM	mg/l	-	-	-	-	-	0.000
CADMIUM	mg/l	-	-	-	-	-	0.000
CHROMIUM	mg/l	-	-	-	-	-	0.000
LEAD	mg/l	-	-	-	-	-	0.000
MERCURY	mg/l	-	-	-	-	-	0.000
SELENIUM	mg/l	-	-	-	-	-	0.000
SILVER	mg/l	-	-	-	-	-	0.000
MISCELLANEOUS							
CHLORIDE	mg/l	-	11.0	-	7.8	-	9.4
CONDUCTANCE	umhos/cm	-	820	1400	865	892	994
IRON	mg/l	-	0.140	-	ND	-	0.070
MANGANESE	mg/l	-	ND	-	ND	-	0.000
PHENOL	mg/l	-	ND	-	ND	-	0.000
pH	Standard	-	-	-	6.50	7.00	6.75
POTASSIUM	mg/l	-	-	-	-	-	0.00
SODIUM	mg/l	-	14.00	-	13.10	-	13.55
SULFATE	mg/l	-	250	-	181	-	216
TOC	mg/l	-	7.10	2.30	12.60	7.80	7.45
TOX	mg/l	-	0.06	ND	ND	ND	0.02
EXPLOSIVES							
TNT 2,4,6	mg/l	-	ND	ND	ND	ND	0.000
DNT 2,4	mg/l	-	ND	ND	ND	ND	0.000
DNT 2,6	mg/l	-	ND	ND	ND	ND	0.000
RDX	mg/l	-	ND	ND	ND	ND	0.00
HMX	mg/l	-	ND	ND	ND	ND	0.00
TETRYL	mg/l	-	ND	ND	ND	ND	0.00

MONITORING WELL MW-14

CONSTITUENT	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	Average
METALS							
ARSENIC	mg/l	-	-	-	-	-	0.000
BARIUM	mg/l	-	-	-	-	-	0.000
CADMIUM	mg/l	-	-	-	-	-	0.000
CHROMIUM	mg/l	-	-	-	-	-	0.000
LEAD	mg/l	-	-	-	-	-	0.000
MERCURY	mg/l	-	-	-	-	-	0.000
SELENIUM	mg/l	-	-	-	-	-	0.000
SILVER	mg/l	-	-	-	-	-	0.000
MISCELLANEOUS							
CHLORIDE	mg/l	-	16.0	-	23.3	-	19.7
CONDUCTANCE	umhos/cm	-	1100	1200	1174	1176	1163
IRON	mg/l	-	0.290	-	ND	-	0.145
MANGANESE	mg/l	-	ND	-	ND	-	0.000
PHENOL	mg/l	-	ND	-	ND	-	0.000
pH	Standard	-	-	-	6.60	6.90	6.75
POTASSIUM	mg/l	-	-	-	-	-	0.00
SODIUM	mg/l	-	34.00	-	34.90	-	34.45
SULFATE	mg/l	-	140	-	282	-	211
TOC	mg/l	-	3.00	3.60	14.60	6.90	7.03
TOX	mg/l	-	0.04	ND	0.005	ND	0.011
EXPLOSIVES							
TNT 2,4,6	mg/l	-	ND	ND	ND	ND	0.000
DNT 2,4	mg/l	-	ND	ND	ND	ND	0.000
DNT 2,6	mg/l	-	ND	ND	ND	ND	0.000
RDX	mg/l	-	ND	ND	ND	ND	0.00
HMX	mg/l	-	ND	ND	ND	ND	0.00
TETRYL	mg/l	-	ND	ND	ND	ND	0.00

MONITORING WELL MW-15

CONSTITUENT	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	Average
METALS							
ARSENIC	mg/l	--	--	--	--	--	0.000
BARIUM	mg/l	--	--	--	--	--	0.000
CADMIUM	mg/l	--	--	--	--	--	0.000
CHROMIUM	mg/l	--	--	--	--	--	0.000
LEAD	mg/l	--	--	--	--	--	0.000
MERCURY	mg/l	--	--	--	--	--	0.000
SELENIUM	mg/l	--	--	--	--	--	0.000
SILVER	mg/l	--	--	--	--	--	0.000
MISCELLANEOUS							
CHLORIDE	mg/l	--	11.0	--	7.8	--	9.4
CONDUCTANCE	umhos/cm	--	1400	940	1506	1175	1255
IRON	mg/l	--	1.100	--	ND	--	0.550
MANGANESE	mg/l	--	0.044	--	0.020	--	0.032
PHENOL	mg/l	--	ND	--	ND	--	0.000
pH	Standard				6.60	6.70	6.65
POTASSIUM	mg/l	--	--	--	--	--	0.00
SODIUM	mg/l	--	22.00	--	35.60	--	28.80
SULFATE	mg/l	--	420	--	389	--	405
TOC	mg/l	--	9.80	5.90	20.50	ND	9.05
TOX	mg/l	--	0.05	ND	0.015	0.019	0.021
EXPLOSIVES							
TNT 2,4,6	mg/l	--	ND	ND	ND	ND	0.000
DNT 2,4	mg/l	--	ND	ND	ND	ND	0.000
DNT 2,6	mg/l	--	ND	ND	ND	ND	0.000
RDX	mg/l	--	ND	ND	ND	ND	0.00
HMX	mg/l	--	ND	ND	ND	ND	0.00
TETRYL	mg/l	--	ND	ND	ND	ND	0.00

MONITORING WELL MW-16

CONSTITUENT	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	Average
METALS							
ARSENIC	mg/l	-	-	-	-	-	0.000
BARIUM	mg/l	-	-	-	-	-	0.000
CADMIUM	mg/l	-	-	-	-	-	0.000
CHROMIUM	mg/l	-	-	-	-	-	0.000
LEAD	mg/l	-	-	-	-	-	0.000
MERCURY	mg/l	-	-	-	-	-	0.000
SELENIUM	mg/l	-	-	-	-	-	0.000
SILVER	mg/l	-	-	-	-	-	0.000
MISCELLANEOUS							
CHLORIDE	mg/l	-	1.9	-	1.7	-	1.8
CONDUCTANCE	umhos/cm	-	730	840	764	-	778
IRON	mg/l	-	1.500	-	ND	-	0.750
MANGANESE	mg/l	-	0.020	-	ND	-	0.010
PHENOL	mg/l	-	ND	-	ND	-	0.000
pH	Standard	-	-	-	6.70	-	6.70
POTASSIUM	mg/l	-	-	-	-	-	0.00
SODIUM	mg/l	-	4.90	-	8.20	-	6.55
SULFATE	mg/l	-	190	-	187	-	189
TOC	mg/l	-	4.00	1.00	19.90	-	8.30
TOX	mg/l	-	0.03	ND	ND	-	0.01
EXPLOSIVES							
TNT 2,4,6	mg/l	-	ND	ND	ND	-	0.000
DNT 2,4	mg/l	-	ND	ND	ND	-	0.000
DNT 2,6	mg/l	-	ND	ND	ND	-	0.000
RDX	mg/l	-	ND	ND	ND	-	0.00
HMX	mg/l	-	ND	ND	ND	-	0.00
TETRYL	mg/l	-	ND	ND	ND	-	0.00

MONITORING WELL MW-17

CONSTITUENT	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	Average
METALS							
ARSENIC	mg/l	-	-	-	-	-	0.000
BARIUM	mg/l	-	-	-	-	-	0.000
CADMIUM	mg/l	-	-	-	-	-	0.000
CHROMIUM	mg/l	-	-	-	-	-	0.000
LEAD	mg/l	-	-	-	-	-	0.000
MERCURY	mg/l	-	-	-	-	-	0.000
SELENIUM	mg/l	-	-	-	-	-	0.000
SILVER	mg/l	-	-	-	-	-	0.000
MISCELLANEOUS							
CHLORIDE	mg/l	-	2.5	-	3.5	-	3.0
CONDUCTANCE	umhos/cm	-	560	580	497	616	563
IRON	mg/l	-	4.000	-	ND	-	2.000
MANGANESE	mg/l	-	0.200	-	ND	-	0.100
PHENOL	mg/l	-	ND	-	ND	-	0.000
pH	Standard	-	-	-	6.70	7.20	6.95
POTASSIUM	mg/l	-	-	-	-	-	0.00
SODIUM	mg/l	-	4.80	-	5.40	-	5.10
SULFATE	mg/l	-	59	-	44	-	52
TOC	mg/l	-	2.10	2.00	8.50	5.30	4.48
TOX	mg/l	-	0.03	ND	ND	0.010	0.010
EXPLOSIVES							
TNT 2,4,6	mg/l	-	ND	ND	ND	ND	0.000
DNT 2,4	mg/l	-	ND	ND	ND	ND	0.000
DNT 2,6	mg/l	-	ND	ND	ND	ND	0.000
RDX	mg/l	-	ND	ND	ND	ND	0.00
HMX	mg/l	-	ND	ND	ND	ND	0.00
TETRYL	mg/l	-	ND	ND	ND	ND	0.00

APPENDIX B
GEOPHYSICAL DATA

**HUMAN FACTORS APPLICATIONS, INC.
EXPLOSIVE ORDNANCE DISPOSAL DIVISION**

UXO OPERATIONS REPORT

CONTRACT NO. DACA 87-90-D-0019

SENECA ARMY DEPOT OB GROUND UXO SURVEY

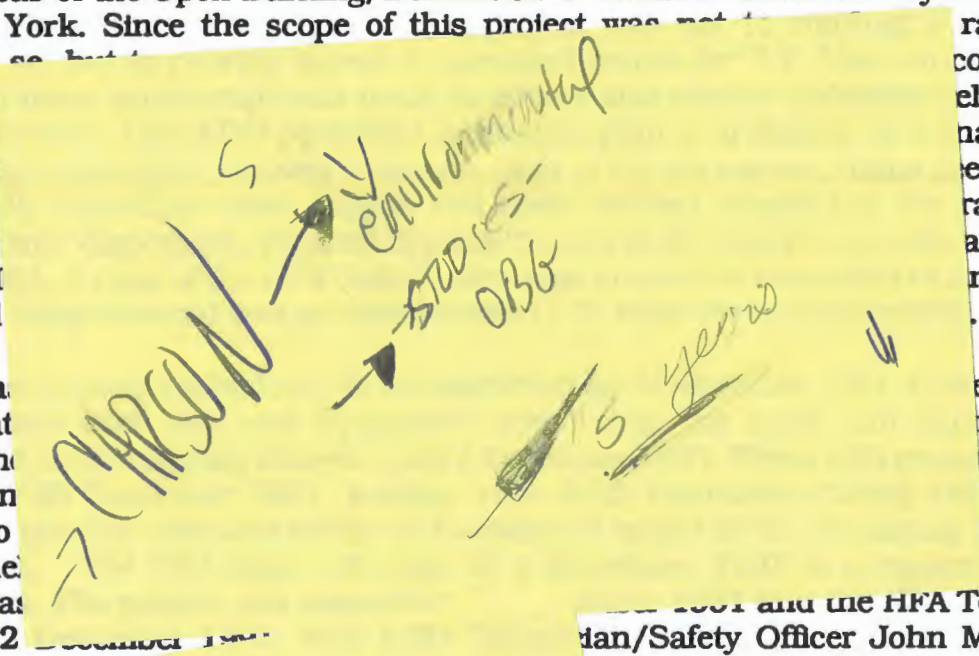
14 FEBRUARY 1992

PREPARED FOR CHARLES T. MAIN, INC

FINAL SITE SURVEY REPORT

The Explosive Ordnance Disposal (EOD) Division of Human Factors Applications, Inc. (HFA) was contracted by C. T. Main to perform an unexploded ordnance (UXO) search of selected areas of the Open Burning/Demolition Grounds at Seneca Army Depot, Seneca, New York. Since the scope of this project was not to range clearance per se but to collect related environmental materials. Work related materials to be potentially surveyed by HFA, the original

The project was due to laborator excavations and demobilized on Larry Koppe to Main personnel remaining areas demobilized 12 remained on site to C. T. Main un



GENERAL COM
with surface/su
decades of ordn
as burn pads J
impossible to co
determined to cle
25' wide to each s
4,037 subsurface
metallic objects loc
hazardous items w
located consisted o
with ammunition pa
following is a break

In All - APPROXIMATELY
37,500 square
feet was cleared for
work Areas and
173,750 square
feet for access
to work area and
well sites
Flagging

- **Hazardous**
Three (3)
One (1)

... 1991 and the HFA Team
man/Safety Officer John Miles
safety and ordnance avoidance for
ng.

site was heavily contaminated
mination was the residue of
leptonation. Some areas such
lic litter making it virtually
ays of those areas, it was
boring and an access lane
EOD operations, a total of
ue to the large volume of
ificant and/or potentially
y of the metallic material
her hardware associated
unt for this material) The

containing a yellow
oster intact

FINAL SITE SURVEY REPORT - (Continued)

One (1) U.S. 75mm recoilless projectile which appears to be a low order detonation

One (1) U.S. 37mm projectile

• **UXO Related Items**

3.2 in rocket heads several hundred were located (all were functioned or burned out)

75/76mm projectiles five were located, all were armor piercing (w/o fuzes or tracers)

4.2 in. mortar two were located, both appeared to be base ejection type (functioned/no hazardous components)

105mm projectiles two were located, both were base ejection type (functioned/no hazard)

106mm HEP projectile one located, it appeared to have been burned out (no hazard)

37mm projectile two were located, one was w/o fuse and burned out, the other, described above, was thought to be live.

Small arms ammo all calibers up to 50 caliber including bullets and cartridges (no hazard/too numerous to count, some areas were nearly saturated)

Flash tubes all types and sizes were encountered, too numerous to count (all appeared to be expended, no hazard)

20mm projectiles these projectiles were located in nearly every area surveyed, some areas were more heavily contaminated than others, ie; Burn Pad G and the surrounding area. These munitions are difficult to classify due to their advanced deterioration, it is felt they present no overt threat but they should be avoided if possible and if they must be handled then it should be done only by the HFA EOD Technician/Safety

FINAL SITE SURVEY REPORT - (Continued)

Person on site.

SEARCH OPERATION COMMENTS - With the exception of the small wooded and brush covered areas located behind the long berm at the southern end of the open burn and demolition grounds, the site was relatively open and easily searched with magnetometers. There were several areas of the site which were obstructed or where there was interference produced by metallic objects. These areas are identified below:

- **Burn Pads A thru J** - All of the burn pads were heavily contaminated with the metallic debris of several decades of burning. The contamination consisted of small arms (bullets and cartridge cases) of all calibers, flash tubes, and other metal debris associated with ammunition packaging.

Burn pads G and J were the most heavily contaminated areas, both had large amounts of surface and sub - surface contamination, which interfered significantly with the Mk 26 Mod 0 Ordnance Locator (Forster Ferex 4.021) and the Whites Eagle II All Metals Detector. A 10' X 10' work area was laid out at each of the points designated for soil sampling, each area was raked to remove as much surface debris as possible and the soil was removed by hand until there was no longer an appreciable signal from the Mk 26 Ordnance Locator. After checking the loose soil to insure it held no hazardous material it was placed back into the hole. Each 10' X 10' site was flagged and the ground marked with florescent paint. Two sites on J pad were moved to avoid an area which was completely covered with metal debris, one site was eliminated on G pad because of a large metal structure that prevented access. The average depth dug for each site was approximately 16 inches, with some isolated deeper excavations to investigate larger metallic contacts.

- **Well sites and Access lanes** - A work area 50' X 50' was cleared for each of fifteen proposed well sites. An access lane 25' wide was cleared to each work site. The terrain to each site was generally clear and presented little or no obstacle for sweeping or clearing, with the exception of a small area behind the long berm at the southern end of the OB/OD grounds, this area was cleared using a back hoe and when possible the access route was modified to minimize damage to the brush and or small trees. Some access lanes were widened or their course slightly modified to facilitate entry and egress of the well drilling rig. Additional lanes were cleared for access to existing wells, wetlands, and to provide work areas for the grid borings, some additional walkways were cleared to allow easier access to some wells for purging and collecting water samples. All in all approximately 37,500 square feet was

FINAL SITE SURVEY REPORT - (Continued)

cleared for work areas and 173,750 square feet for access to work areas and well sites.

- **Berm and Anomaly Excavations** - Berm excavations began on 2 Dec. 1991. Each berm was excavated to the mid depth of the berm and soil samples collected at the points preselected in the work plan. The excavation of berms B, F, and H was reserved until Alliance Corp. was on site to observe the operation. Berm excavations were essentially uneventful and were completed on 10 Dec. 1991.

On 10 Dec., C. T. Main determined three anomalies would be investigated, two on G pad and one on J pad. A back hoe was used to dig a trench to the anticipated depth of each anomaly. The trench was dug perpendicular to the reported heading of the anomaly to cut across the area of interest. Samples of unusual or discolored soil were collected. The excavation of the anomaly on J pad appeared to be undisturbed soil, however soil samples were collected for analysis.

- **Safety Briefings** - The HFA Safety Officer conducted ordnance awareness and safety briefings for eleven (11) personnel from C. T. Main as well as various state, federal and local agencies.

RECOMMENDATIONS - With the exception of the areas amended on site, the access routes, work areas, and sampling sites as indicated in the work plans and site drawings have received an UXO site survey to a depth of eighteen (18) inches. Based on the current state-of-the-art technologies, HFA does not guarantee on the Seneca Depot site nor any other project site that 100% of the UXO will be located. The following recommendation is based on the limitations of the current state-of-the-art technologies used to locate UXO:

- **Soil Entry Activities** - Any task requiring excavation, soil boring or other intrusions into the soil below two (2) feet should not be performed with out on-site EOD technicians to monitor and/or perform these services.



HUMAN FACTORS APPLICATIONS, INC.

Explosive Ordnance Disposal Division

1018A North Strauss Avenue
Indian Head, Maryland 20640-1894
(301) 743-2377 Fax (301) 743-7512

DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 10-18-91		Project: Seneca Army Depot Open Burning Ground UXO Survey	
Search Grids Completed <u>3</u>		Total UXO Located <u>15</u> Total Excavations <u>300</u>	
Comments: Completed sites 2, 3, 4, AND THE ACCESS LANE TO SITE #5. SITES WERE MODERATELY CONTAMINATED. SEVERAL MISCELLANEOUS PROSO FUSES, LARGE FRAG, SMALL ARMS AND GENERAL DEBRIS FROM BURNS. NO UXO'S OF SIGNIFICANCE WERE LOCATED. TO DATE HFA HAS NOT LOCATED ANY LIVE OR EXPLOSIVE LOADED UXO'S.			
NO FURTHER ENTRIES			
HFA EOD Supervisor: R.I. Thiel		Signature: R. J. [Signature]	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):		Date:	Time:



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DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 10-21-91		Project: Seneca Army Depot Open Burning Ground UXO Survey	
Search Grids Completed	2	Total UXO Located	10
Total Excavations			
150			
Comments: COMPLETED GRIDS SITE 5+6. LOCATED 4 U.S M103 Bomb NOSE FUZES 1 US M165 SERIES V.T FUZE, 1 57mm PROJECTILE and SEVERAL MEBELLUM PROJ FUZES. ALL ITEMS LOCATED APPEAR TO BE EXPENDED. BEGAN SITE # 7 AT APPROX 1000 SITE IS GROSSLY CONTAMINATED WITH TRASH AND DEBRIS FROM NUMEROUS BURNS. USING THE MK26 AND EAGLE 2 MAY NOT BE THE BEST METHOD OF SURVEYING THIS SITE, OR POSSIBLY MOVING SITE TO MORE DESIRABLE SITE. HFA SECURE AT 1445 BECAUSE OF RANGE OPERATOR			
HFA EOD Supervisor: R.T. Thiel		Signature: R. J. [Signature]	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):	Date:	Time:	



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DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 10-22-91		Project: Seneca Army Depot Open Burning Ground UXO Survey	
Search Grids Completed	1	Total UXO Located	2
		Total Excavations	295
Comments:			
<p>CONTINUED WITH WELL SITE #7, AREA GROSSLY CONTAMINATED, LOCATED 1 75 MIN PROJ. AND 1 105 B.C. PROJ. (EXPIRES), LAIN OUT 400' OF ACCESS LANE BEHIND "J" BURN PAD. DISCUSSED WITH PAUL MORENO LOCATION OF WELL AT PAD "C" AND THE TECHNIQUE WE WILL USE FOR CLEARING SOIL BORING POINTS ON BURN PADS, WE WERE NOT ALLOWED TO RETURN TO WORK SITE UNTIL 1445 DUE TO DEMO OPS. WORK SITE FOR WELL #7 COMPLETED.</p> <p>* A WORK SITE 10'X10' WILL BE THOROUGHLY CLEARED USING MAGNETOMETERS, THE REMAINDER OF THE AREA WILL BE SURFACE SEARCHED AND ANY UXO'S LOCATED WILL BE REMOVED. THIS WILL PROVIDE A 100 SQ FT WORK AREA FOR DRILLING AND AN ACCESS FOR PERS AND EQUIPMENT.</p>			
HFA EOD Supervisor: R.T. THIEL		Signature: R.J. Shil	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):	Date:	Time:	



HUMAN FACTORS APPLICATIONS, INC.

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DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 10-23-91		Project: Seneca Army Depot Open Burning Ground UXO Survey	
Search Grids Completed	1	Total UXO Located	2
		Total Excavations	340
Comments: COMMENCED CLEARING WORK SITE FOR WELL #8 AT BURN PAD "C". COMPLETED LAYOUT OF AREA BEHIND "J" PAD. 1130 COMPLETED WELL SITE 8. WORKED THROUGH LUNCH TO ACCOMMODATE RANGE OPS. LEFT WORK SITE AT 1400 DUE TO DEMO OPS. COMPLETED 500' OF ACCESS AREA BEHIND "J" PAD. LOCATED 1 75mm RECON ROUND AND 1 US BURNING FUEL BOTH POSSIBLY LIVE FLAGGED SAME WITH YELLOW FLAGS AND NOTIFIED RANGE SUPERVISOR.			
HFA EOD Supervisor: R.T. THIEL		Signature: <i>[Signature]</i>	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):	Date:	Time:	



HUMAN FACTORS APPLICATIONS, INC.

Explosive Ordnance Disposal Division

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Indian Head, Maryland 20640-1894
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DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 10-24-91	Project: Seneca Army Depot Open Burning Ground UXO Survey		
Search Grids Completed	1	Total UXO Located	0
Total Excavations			
290			
Comments: CONTINUED WITH ACCESS LANE AND WORK SITE			
BEHIND "J" PAD (WELL #9), LEFT SITE AT 1130,			
DEMO SHOT SCHEDULED FOR 1230, RETURNED TO AREA			
AT 1300 1430 COMPLETED ACCESS LANE AND			
WELL SITE AT AREA BEHIND "J" PAD, HE+ SWEEP			
AND CLEARED TOTAL OF 1650' X 25' AREA.			
AREA WAS GENERALLY LIGHTLY CONTAMINATED			
WITH EXCEPTION OF ITEMS NOTED IN YESTERDAY'S			
REPORT.			
SURVEYED AND PLANNED NEXT AREA LOCATED			
AT WEST ENCL OF "C" PAD.			
HFA EOD Supervisor:		Signature:	
R. T. THIEL		R. J. HET	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):	Date:	Time:	



HUMAN FACTORS APPLICATIONS, INC.

Explosive Ordnance Disposal Division

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Indian Head, Maryland 20640-1894
(301) 743-2377 Fax (301) 743-7512

DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 10-25-91	Project: Seneca Army Depot Open Burning Ground UXO Survey		
Search Grids Completed _____	Total UXO Located <u>0</u>	Total Excavations <u>245</u>	
Comments: COMMENCED CLEARING ACCESS TO WORK SITE FOR WELL #10, LOCATED BEHIND LONG BERM. AREA AT WEST END OF PAD "6" LIGHTLY CONTAMINATED NO ITEMS OF SIGNIFICANCE LOCATED. 1200 DEPARTED AREA FOR DEMO SHOT RETURNED AT 1300 CONTINUED CLEARING ACCESS ROUTE, COMPLETED APPROX 400' NO ORDNANCE LOCATED			
HFA EOD Supervisor: R.T. Thiel		Signature: R. J. Shu	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):	Date:	Time:	



HUMAN FACTORS APPLICATIONS, INC.

Explosive Ordnance Disposal Division

1018A North Strauss Avenue
Indian Head, Maryland 20640-1894
(301) 743-2377 Fax (301) 743-7512

DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 10-28-91	Project: Seneca Army Depot Open Burning Ground UXO Survey		
Search Grids Completed _____	Total UXO Located <u>5</u>	Total Excavations <u>430</u>	
Comments: CONTINUED SWEEPING ACCESS LANE TO WELL #10 CONDUCTED SAFETY BRIEFS FOR C.T.MAIN GEOLOGIST, WELL DRILLERS, AND BIOLOGIST SIX PERS TOTAL HFA TEAM LEADER AND SAFETY OFFICER CONDUCTED A SITE TOUR FOR ALL PERSONNEL. TEAM MEMBERS STACEY AND WEST COMPLETED ACCESS LANE TO WELL #10. UXOS LOCATED WERE: 1 1/4" STIKES MORNER, 3, 20" US FRAG BOMBS, AND 1 105MM BE ROUND. FRAG BOMB CONTAIN POSSIBLE HE. HFA TEAM LEADER AND SAFETY OFFICER ESCORTED C.T.MAIN BIOLOGIST TO WETLANDS AND REIDEN CREEK. SECURED AT 1600.			
HFA EOD Supervisor: R. Thiel		Signature: R. J. [Signature]	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):	Date:	Time:	



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DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 10-29-91		Project: Seneca Army Depot Open Burning Ground UXO Survey	
Search Grids Completed _____		Total UXO Located <u>1</u>	Total Excavations <u>196</u>
Comments: Laid out and began searching access lane for well #11. Area is grossly contaminated with small and other residue of burning ops. HFA safety officer conducted safety brief w/ state EPA representative and U.S. EPA representative. 1050 secured ops for demo ops, returned to area at 1230 and continued sweeping. 1400 secured for day. Due to continued demolition operations, UXO located was 175mm AP Round w/ fuze.			
HFA EOD Supervisor: R.T. Thiel		Signature: <i>R. J. Thiel</i>	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):	Date:	Time:	



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DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 10-30-91		Project: Seneca Army Depot Open Burning Ground UXO Survey	
Search Grids Completed _____		Total UXO Located <u>2</u> Total Excavations <u>320</u>	
Comments: CONTINUED SWEEPING AND CLEARING ACCESS LANE TO WELL SITE #11. 0900 HFA SAFETY OFFICER CONDUCTED SAFETY BRIEF FOR JIM MILLER OF "DEH" AND TWO GPR PERSONNEL. HFA TEAM LEADER / SAFETY OFFICER VISITED PADS THAT WILL BE SWEEP WITH GPR. 1340 DEPARTED WORK AREA FOR DEMOLITION SHOT. 1430 RETURNED TO WORK AREA. 1530 SECURED FOR DAY; COMPLETED APPROXIMATELY 700' OF ACCESS LANE. LOCATED 1 106mm HEP ROUND AND 1 TRIP FLARE. (ALL ROUNDS APPEARED TO BE EMPTY)			
HFA EOD Supervisor: <u>R. Thiel</u>		Signature: <u>[Signature]</u>	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):		Date:	Time:



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DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 10-31-91	Project: Seneca Army Depot Open Burning Ground UXO Survey		
Search Grids Completed _____	Total UXO Located <u>1</u>	Total Excavations <u>410</u>	
Comments: CONTINUED SWEEPING ACCESS LANE TO WELL SITE #11. HFA TEAM LEADER CONDUCTED A VISUAL SWEEP OF ALL PADS (EXCEPT G+J) TO ALLOW GPR PERSONNEL TO COMPLETE THEIR WORK. (NO ORDNANCE LOCATED IN PADS), 1045 COMPLETED ACCESS ROUTE AND WORK SITE FOR WELL #11, UXO LOCATED 1 37 ^{MM} ROUND POSSIBLY LIVE. (TOTAL DIGS 920) WIDEN ACCESS ROUTE TO WELL #9, AND CLEARED A TURNABOUT FOR WELL RIG. 1230 BEGAN CLEARING LANES TO EXISTING WELLS. 1315 DEPARTED AREA FOR THE DAY DUE TO DEMO OPS.			
HFA EOD Supervisor: R.T. Thiel		Signature: R.J. [Signature]	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):	Date:	Time:	



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DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 11-1-91	Project: Seneca Army Depot Open Burning Ground UXO Survey		
Search Grids Completed _____	Total UXO Located <u>0</u>	Total Excavations <u>152</u>	
Comments: CONTINUED CLEARING ACCESS LANES TO EXISTING WELLS, 1500 COMPLETED CLEARING ACCESS LANES TO EXISTING WELLS. FLAGGED SAME WITH RED FLAGS, PROVIDE ACCESS TO AND WORK SPACE AROUND WELL HEAD TO ALLOW WATER SAMPLES TO BE TAKEN. DUG 152 CONTROLS, LOCATED NO ORDNANCE OR UXOs OF SIGNIFICANCE.			
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):	Date:	Time:	

HFA EOD Supervisor:

R.T. Thiel

Signature:

R.J. Hill



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DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 11-4-91	Project: Seneca Army Depot Open Burning Ground UXO Survey		
Search Grids Completed 4	Total UXO Located 0	Total Excavations 220	
Comments: BEGAN CLEARING ACCESS LANES TO OTHER SOIL BORING SITES, COMPLETED FOUR (4) AREAS ON NORTH SIDE OF MAIN ROAD. NO UXOS OR ORDNANCE LOCATED. 1130 BROKE FOR LUNCH - UPON RETURN FROM LUNCH HFA WAS DENIED ACCESS TO BURN DEMMO AREA DUE TO BURNING OPS. 1445 BURN COMPLETE, ACCESS AUTHORIZED HOWEVER RANGE WILL BE SECURED UNTIL 1500 BECAUSE RANGE PERSONNEL ONLY WORK UNTIL 1500 THIS DAY			
HFA EOD Supervisor: R.J. [Signature]		Signature: R. [Signature]	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):	Date:	Time:	



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DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 11-5-91		Project: Seneca Army Depot Open Burning Ground UXO Survey	
Search Grids Completed <u>5</u>		Total UXO Located <u>0</u>	Total Excavations <u>175</u>
Comments: Completed clearing soil boring sites. No UXO's located. All soil boring sites have been cleared and flagged with red flags. 1130 Range personnel cleared area for burn ops. 1415 returned to site laid out soil boring points for "J" pad. Area is completely saturated with debris of all types. I will try raking the surface prior to sweeping however I don't think it will prove effective.			
HFA EOD Supervisor: R.T. Thiel		Signature:	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):	Date:	Time:	



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DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 11-6-91		Project: Seneca Army Depot Open Burning Ground UXO Survey	
Search Grids Completed _____		Total UXO Located _____	
Total Excavations _____			
Comments: BEGAN LAYING OUT SOIL BORING POINTS ON BURN PADS. COMPLETED ALL BUT D.E + G. D+E" CONTAIN EQUIPMENT USED BY RANGE PERS AS SOON AS THEY MOVE IT OUT, WE WILL LAJEUT AREA AND CLEAR SAME. PROVIDE ESCORTS TO C.T.MAIN Biologist collecting SOIL SAMPLES. KEPT 2 TEAM MEMBERS WITH Biologist while I went to range. 1300: ALL PERSONNEL OUT OF AREA DUE TO EXPLOSIVE OPS. 1525 RETURNED TO AREA ESCORTED C.T.MAIN Biologist FOR WET LAND SAMPLES 1625 SECURED.			
HFA EOD Supervisor: R.T.Thiel		Signature: <i>R.J. Sh...</i>	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):	Date:	Time:	



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DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 11-7-91		Project: Seneca Army Depot Open Burning Ground UXO Survey	
Search Grids Completed <u>2</u>		Total UXO Located <u>0</u>	Total Excavations <u>50</u>
Comments: BEGAN CLEANING BURN PADS, LIGHT SNOW FALLING. (FIRST BAD WEATHER WE HAVE HAD) 1130 BOOKED FOR LUNCH. RANGE PELLOWELL PREPARING FOR DEMO SHOT. ARRIVED ^{LEFT} 1400 RETURNED TO WORKSITE CONTINUED WORKING ON BURN PADS. PADS H&F COMPLETE. TWO HFA EOD TECHS ESCORTING C.T.MAIN BIOLOGISTS. 1600 SECURED FOR DAY.			
HFA EOD Supervisor: R.T. Thiel		Signature: <i>[Signature]</i>	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):	Date:	Time:	



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DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 11-8-91		Project: Seneca Army Depot Open Burning Ground UXO Survey	
Search Grids Completed <u>1</u>		Total UXO Located <u>0</u> Total Excavations <u>55</u>	
Comments: CONTINUED WITH PAD CLEARING, COMPLETED LAYOUT FOR "C" PAD, ESCORTED BIOLOGIST AGAIN TAKING SAMPLES OF WETLANDS. 1445 DEPARTED AREA DUE TO DEMO OPS. 1515 SECURED FOR DRY			
HFA EOD Supervisor: R. T. Thiel		Signature: <i>R. T. Thiel</i>	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):		Date:	Time:



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DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 11-12-91		Project: Seneca Army Depot Open Burning Ground UXO Survey	
Search Grids Completed	5	Total UXO Located	0
		Total Excavations	28
Comments: Completed Clearing PADs A, B, C, D, & E PAD "C" WAS GROSSLY CONTAMINATED WITH RESIDUE OF PREVIOUS BURNS, (FLASH TUBES, SMALL ARMS ETC) NO DEMO OPS DUE TO WEATHER, 1130 LUNCH. 1230 BEGAN CLEARING PAD "G", ONE HFA TECH ESCORTING C.T. MAIN DIALOGIST. 1530 SECURE FOR DAY. 1/4 OF "G" PAD COMPLETED. DRILL POINTS ARE COMPLETELY SATURATED WITH METAL OF ALL TYPES. IT IS NOT POSSIBLE TO ISOLATE ONE SINGLE CONTACT WITH EITHER THE 26 OR THE WHITES 1530 SECURED FOR DAY.			
HFA EOD Supervisor: R. Thiel		Signature: <i>R. J. Thiel</i>	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):	Date:	Time:	



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DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019			
Date: 11-13-91	Project: Seneca Army Depot Open Burning Ground UXO Survey				
Search Grids Completed	<u>2</u>	Total UXO Located	<u>50</u>	Total Excavations	<u>2</u>
Comments: CONTINUED WITH "G" PAD AS BEFORE ALL AREAS ARE COMPLETELY SATURATED WITH METAL SO 10' X 10' AREA MUST BE COMPLETELY DUG. LOCATED APPROX 50 30 ^{MM} PROJES, AND REMOVED SAME. MOST OF CONTACTS ARE TRASH, NAILS HINGES DEBRIS FROM BURNS. ESCORTING BIOLOGIST THIS AFTERNOON 1530 SECURED FOR DAY.					
/					
HFA EOD Supervisor: R. T. Thiel		Signature: R. J. Hill			
FORECASTED OPERATIONAL SCHEDULE					
Type of Operation Scheduled:			Date of Operation:		
Scheduling Comments					
Site Superintendent:			Signature:		
Position (Title):		Date:		Time:	



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DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 11-14-91	Project: Seneca Army Depot Open Burning Ground UXO Survey		
Search Grids Completed <u>4</u>	Total UXO Located <u>250+</u>	Total Excavations <u>4</u>	
Comments: CONTINUED WITH "G" PAD, AS BEFORE AREAS ARE GROSSLY CONTAMINATED. ENTIRE 10'x10' AREA MUST BE DUG. REMOVED 250x20" PROJOS FROM ONE "DIG". 1130 BROKE FOR LUNCH ATTEMPTED TO MEET WITH MIKE DUCHESNEAU UNABLE TO DO SO. 1230 RETURNED TO WORK SITE AND CONTINUED WITH "G" PAD. 1530 "G" PAD COMPLETE WITH EXCEPTION OF ONE AREA WHICH IS UNDER WATER NOTIFIED BY RANGE SUPER. THAT AREA WILL BE USED BY HUNTERS BEGINNING 18&19 NOV. I WILL TRY TO CLARIFY.			
HFA EOD Supervisor: <u>R.T. The L</u>		Signature: <u>[Signature]</u>	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):	Date:	Time:	



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DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 11-15-91		Project: Seneca Army Depot Open Burning Ground UXO Survey	
Search Grids Completed <u>2</u>		Total UXO Located <u>0</u>	Total Excavations <u>2</u>
Comments: BEGAN CLEARING DRILL POINTS ON "J" PAD FLAGGED LAWES AND DRILL POINTS ON "G" PAD AND COMPLETED SURFACE SEARCH OF "G" PAD. 1400 SECURED DUE TO WEATHER (RAIN)			
/			
HFA EOD Supervisor: R.T. Threlk		Signature: R.J. Hill	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):		Date:	Time:



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DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 11-18-91		Project: Seneca Army Depot Open Burning Ground UXO Survey	
Search Grids Completed <u>3</u>		Total UXO Located <u>10</u>	
Total Excavations <u>3</u>			
Comments: 0830 ARRIVED AT SITE TOOK 1 HR TO GET ESCORTED TO AREA BECAUSE OF CONFUSION WITH SECURITY PERSONNEL. NORMALLY CONTRACTORS DON'T WORK IN AREA WHEN HUNTING IS ONGOING. ALL HFA PERSONNEL ARE WEARING ORANGE SAFETY VESTS. 1315 LEFT WORK AREA DUE TO BURN OPS. 1435 RETURNED TO WORK SITE. COMPLETED 3 "DIGS" IN J PAO. "J PAO" IS MORE CONTAMINATED THAN "G". WE ARE CONTINUING WITH SAME TECHNIQUE.			
HFA EOD Supervisor: R.T. Thiel		Signature: R. Thiel	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):	Date:	Time:	



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DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 11-19-91		Project: Seneca Army Depot Open Burning Ground UXO Survey	
Search Grids Completed	5	Total UXO Located	52
Total Excavations			
Comments: Continued with "J" PAD. I MOVED 2 DRILL POINTS CLOSER TO BERM (WEST) TO CLEAR THEM FROM HIGHLY CONTAMINATED AREAS. (DIDN'T DO MUCH GOOD) COMPLETED ALL POINTS ON J PAD AND CLEARED FINAL POINT ON "G" PAD, REMOVED APPROX 50 20mm FROM "G" PAD. LARRY KOPPE WILL FLAG LANES ON "J" PAD. ALL OTHER PERSONNEL WILL DEPART FOR HOME OFFICE 11-20-91. TO RETURN 12-1-91.			
HFA EOD Supervisor: R. T. Thiel		Signature: R. J. Sil	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):	Date:	Time:	



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DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 11-20-91		Project: Seneca Army Depot Open Burning Ground UXO Survey	
Search Grids Completed <u>0</u>		Total UXO Located <u>0</u>	
		Total Excavations <u>0</u>	
Comments: ASSISTED CT MAIN BIOLOGIST (ROB OLSEN) IN OUTLINDING WETLAND AREAS AS UXO ESCORT. PLACED GREEN, BLUE, AND ORANGE RIBBON FLAGS OUTSIDE OF WETLANDS.			
/			
HFA EOD Supervisor: L. K. KOPPE		Signature: <i>L. K. Koppe</i>	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):		Date:	Time:



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DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 11-21-91		Project: Seneca Army Depot Open Burning Ground UXO Survey	
Search Grids Completed ϕ	Total UXO Located ϕ	Total Excavations ϕ	
Comments: GAVE SAFETY BRIEFING TO THREE NEW PERSONNEL ON SITE (2 SURVEYORS AND 1 DRILLER). CONTINUED UXO ESCORT FOR WETLAND AREAS - TOTAL OF 39 WETLAND AREAS. 11-22-91 - IS A DESIGNATED "HUNTING" DAY - BRIEFED PERSONNEL. EXAMINED DRILL SITE NORTH OF 143RD EOD DEMOLITION RANGE - NO PROBLEM ENCOUNTERED - LIAISONED WITH 143RD EOD.			
/			
HFA EOD Supervisor: L.W. KOPPE		Signature: <i>L.W. Koppe</i>	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):	Date:	Time:	



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DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 11-22-91		Project: Seneca Army Depot Open Burning Ground UXO Survey	
Search Grids Completed <u>0</u>		Total UXO Located <u>0</u> Total Excavations <u>0</u>	
Comments: COMPLETE SURFACE SWEEP OF "J" PDD AND ESTABLISHMENT OF DRIVING LANEES FOR DRILL RIG.			
/			
HFA EOD Supervisor: LARRY WE KOPPE		Signature:	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):		Date:	Time:



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DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 11-25-91		Project: Seneca Army Depot Open Burning Ground UXO Survey	
Search Grids Completed	2	Total UXO Located	33
Total Excavations			
Comments: BRIDES AND SEARCHED W/ EAGLE II 200' x 25' AREA BEHIND LARGE BERM. DESIGNATED 33 CONTACTS. ESTABLISHED BERM DIG POINTS FOR PHASE I+II ON BERMS A, B, C, D, E, & F. PHASE I POINTS HAVE RED FLAG WITH GRAY/BLACK STRIPED STREAMERS. PHASE II DIGS HAVE RED FLAG ONLY.			
HFA EOD Supervisor: L. N. KOPPE		Signature: <i>L. N. Koppe</i>	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):	Date:	Time:	



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DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 11-26-91		Project: Seneca Army Depot Open Burning Ground UXO Survey	
Search Grids Completed <u>0</u>		Total UXO Located <u>0</u>	
		Total Excavations <u>0</u>	
Comments: COMPLETED FLAGGING OF BERTS ON "G" AND "J" PAD DISCUSSED REQUIREMENTS FOR OPERATION TO BEGIN ON 2 DEC 91. REQUIREMENTS ARE: BACKHOE W/ FRONT BUCKET, PLASTIC SHEETING, STEAM GENERATOR W/WATER SUPPLY, PROCEDURES FOR SAMPLING.			
 			
 			
 			
 			
 			
 			
 			
 			
 			
 			
HFA EOD Supervisor: L.H. Koppe		Signature: <i>Lauren W Koppe</i>	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):		Date:	Time:



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DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 27 Nov 91		Project: Seneca Army Depot Open Burning Ground UXO Survey	
Search Grids Completed <u>0</u>		Total UXO Located <u>0</u>	
		Total Excavations <u>0</u>	
Comments: PROVIDED ASSISTANCE TO SURVEYOR TEAM IN LOCATING, MARKING, AND RECORDING WELL POSITIONS PROVIDED ORDNANCE AVOIDANCE FOR TEAM FOR ACCESS TO WELL LOCATED NORTH OF PAD "F"			
 			
 			
 			
 			
 			
 			
 			
 			
HFA EOD Supervisor: L.W.KOPPE		Signature: <i>L.W. Koppe</i>	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):		Date:	Time:



HUMAN FACTORS APPLICATIONS, INC.

Explosive Ordnance Disposal Division

1018A North Strauss Avenue
 Indian Head, Maryland 20640-1894
 (301) 743-2377 Fax (301) 743-7512

DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 2 DEC 91	Project: Seneca Army Depot Open Burning Ground UXO Survey		
Search Grids Completed _____	Total UXO Located _____	Total Excavations _____	
Comments: RETURNED TO OPEN BURNING AND DEMO GROUNDS. L. KOPPE CONDUCTED SAFETY BRIEF FOR ONE C.T.MAIN PERSONNEL. BACK HOE ARRIVED ON SITE AT 0930. CLEARED BRUSH FROM ACCESS LANES BEHIND LONG BELM. ACCESS LINE INDICATED TO CONFORM TO ACTUAL SHAPE OF BELM. ACCESS TO AREA DENIED DUE TO DEMO OPS UNTIL 1440, CAREER TO CLOSE AT 1500			
HFA EOD Supervisor: RT Thill		Signature: [Signature]	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):	Date:	Time:	



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DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 12-3-91		Project: Seneca Army Depot Open Burning Ground UXO Survey	
Search Grids Completed	4	Total UXO Located	2
		Total Excavations	121
Comments: CONTINUED SWEEPING ACCESS LANE BEHIND LONG BEAM. BEGAN BEAM EXCAVATIONS. COMPLETED 400' OF ACCESS LANE, LOCATED 1 TRIP FLARE AND 1 PROXO FUZE, MISC. FLAG. ALL ORD. LOCATED WAS FUNCTIONAL OR INERT. COMPLETED 5 EXCAVATIONS ON BEAMS A-C. NO ORD OR SIGNIFICANT MUNITIONS LOCATED IN BEAMS.			
HFA EOD Supervisor: R.T. THIEL		Signature: R.J.L.	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):	Date:	Time:	



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DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 12-4-91		Project: Seneca Army Depot Open Burning Ground UXO Survey	
Search Grids Completed <u>3</u>		Total UXO Located <u>0</u>	Total Excavations <u>7</u>
Comments: CONTINUED WITH SWEEPING LANE BEHIND LOAD BERMS AND EXCAVATING BERMS. WEATHER IS SIGNIFICANTLY ADVERSE. TRUP 19° WINDS 25-30 MPH AND SOME WATER IS FREEZING IN HOLEZ AND TANK NARROWS SECURED BERM EXCAVATIONS AT 1415 DUE TO FREEZING CONDITIONS. 1530 SECURED FROM SWEEP OPS. NO ORDNANCE LOCATED			
HFA EOD Supervisor: R. T. Thiel		Signature: <i>R. Thiel</i>	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):	Date:	Time:	



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DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 12-5-91		Project: Seneca Army Depot Open Burning Ground UXO Survey	
Search Grids Completed _____		Total UXO Located <u>0</u> Total Excavations _____	
Comments: CONTINUED SWEETING LANB BEHIND LONG BERM AND BERM EXCAVATIONS. COMPLETED EXCAVATIONS IN PAD "D" & "G" AND 2 EXCAVATIONS IN PAD "J". 1445 ACCESS LANBS BEHIND LONG BERM IS COMPLETE. NO ORDNANCE LOCATED.			
HFA EOD Supervisor: <i>R. T. Thiel</i>		Signature: <i>R. T. Thiel</i>	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):		Date:	Time:



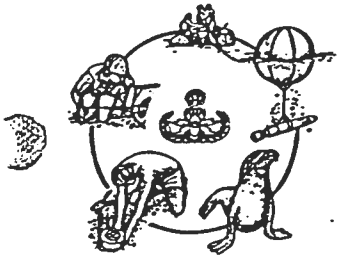
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DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 12-6-91	Project: Seneca Army Depot Open Burning Ground UXO Survey		
Search Grids Completed <u>0</u>	Total UXO Located <u>0</u>	Total Excavations <u>4</u>	
Comments: CONTINUED WITH BEEM EXCAVATION AT "J" PAD. LAIN OUT ACCESS LANE TO REAR OF LONG BEEM, TO ALLOW EASIER ACCESS TO GRID BORINGS BEHIND LONG BEEM. THIS LANE IS FOR ACCESS ONLY, 1200 COMPLETED "J" PAD BEEM EXCAVATIONS, SECURED AT 1200 DUE TO C.T.MAIN PERSONNEL DEPARTING FOR WEEKEND. PADS B, F, H ARE ONLY BEEM EXCAVATIONS REMAINING. THESE EXCAVATIONS WERE RESERVED FOR OBSERVATION BY ALLIANCE CO. (EPA REP). WILL RETURN 12-9-91.			
HFA EOD Supervisor: R. T. THEL		Signature: R. T. THEL	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):	Date:	Time:	



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DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 12-9-91		Project: Seneca Army Depot Open Burning Ground UXO Survey	
Search Grids Completed _____		Total UXO Located _____	
		Total Excavations _____	
Comments: MILES AND KOPPE CONDUCTED SEARCH OF ACCESS LAKE TO LONG BEAM WITH WHITE CIRCLE II. COMPLETED 4 EXCAVATIONS 1 IN 'B' PAD 1 IN 'E' PAD AND 2 IN 'H' PAD. 1 EACH IN PADS B, F & H WERE OBSERVED BY ALLIANCE 1530 SHELLED FOR DAY. CLEANED BACK HOLE FOR TOMORROWS OPS.			
<hr/>			
HFA EOD Supervisor: R. J. Thiel		Signature:	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
<hr/>			
<hr/>			
Site Superintendent:		Signature:	
Position (Title):		Date:	Time:



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DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 12-10-91		Project: Seneca Army Depot Open Burning Ground UXO Survey	
Search Grids Completed <u>4</u>		Total UXO Located <u>0</u>	
Total Excavations <u>0</u>			
Comments: Completed Access Lane to Rear of Long Beam. Completed All Bottom Excavations. No evidence of significant ammunition items located. Discussed with Mike Dueshield. The location of excavations of 3 anomalies located on "C" and "J" grids. HFA will excavate and collect samples at selected points in anomalies determined by Mike D. Swept & cleared 1 30x50 grid bearing work site established by US.			
HFA EOD Supervisor: <u>R.T. Th...</u>		Signature: <u>[Signature]</u>	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):	Date:	Time:	



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DAILY OPERATIONS JOURNAL

Prime Contractor: C.T.MAIN		Contract Number: DACA 87-90-D-0019	
Date: 12-11-91		Project: Seneca Army Depot Open Burning Ground UXO Survey	
Search Grids Completed	Total UXO Located	Total Excavations	
Comments: KOPPE CAVE 5 MILES NE OF SITE, PENN. OUT WETLANDS. THE (4) STATION EXCAVATED AND ALL 24 PADS. JY 6" PAD 2 TRENCHES AND 6 PAD AND ONE ON J PAD. NO ORDNANCE LOCATED. SEE DETAILS IN DAILY JOURNAL 5 MILES SW OF B, F PAD BUILDINGS AT B & F PAD, CHARGED SAMPLES. 6 4" BALL REMOVED FROM 2" OF SAMPLE. B. STATION PAILED EQUIPMENT IN PREPARATION FOR DEMOB. COMPLETED "B" PAD, 1415 DEPTH PENETRATED ON F PAD, 1 5" BALL IN SAMPLE FROM 2" (COMPLETED PENETRATING TO 4' CALIB) 1515 SECURED FOR DAY DUE TO BOMB OPS.			
HFA EOD Supervisor: R. T. Thiel		Signature: <i>[Signature]</i>	
FORECASTED OPERATIONAL SCHEDULE			
Type of Operation Scheduled:		Date of Operation:	
Scheduling Comments			
Site Superintendent:		Signature:	
Position (Title):	Date:	Time:	

APPENDIX C
TEST BORING REPORTS

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: PB-A-1		
PROJECT: SEAD, OB GROUND RIFS				JOB NO: 720229-0600				SHEET NO: 1 OF 1		
CLIENT: SENECA ARMY DEPOT				ELEV. DATUM: 1929, NGD				ELEV.(OS): 623.4		
CONTRACTOR: EMPIRE DRILLING				ELEV.(TOC): -				DATE START: 12-12-91		
				DATE FINISH: 12-12-91				DRILLER: JW/LB		
				INSPECTOR: PFM						
				GROUNDWATER READINGS						
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME			
TYPE:	AUGER	SPLIT SPOON	-							
SIZE ID/OD:	6.24/9.63	3" O.D.	-							
HAMMER WEIGHT:	-	140 LB	-							
HAMMER FALL:	-	30 INCH	-							
				SAMPLE			SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
DEPTH (FT.)	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)					
1		4				Weathered Shale Fragments, some SILT and CLAY, some Spent Ammunition, Slugs	Fill			
		8								
2		7				Olive-gray SILT, some +CLAY, trace - GRAVEL, trace fine to medium SAND	Till (ML)			
		8	2'	0-2'	0.0					
3		28								
		26								
4		33				Gray weathered shale, fissile, some SILT	Weathered Shale			
		45	2'	2-4'	0.0					
5		37								
		41				Refusal @ 5.8' Gray Shale	Competent Shale			
6		40								
		100/3	1.4'	4-5.8'	0.0					
7										
8										
9										
10										
11										
12										
13										
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL. DATE WELL DEVELOPED:						
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER						
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE PVC DIAM. 2" SLOT SIZE: 0.010"						
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed						
10-30	M.DENSE	4-8	M.STIFF							
30-50	DENSE	8-15	STIFF							
>50	V.DENSE	15-30	V.STIFF							
		>30	HARD							

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: PB-B-1	
PROJECT:		SEAD, OB GROUND RIFS						JOB NO: 720229-0600	
CLIENT:		SENECA ARMY DEPOT						SHEET NO: 1 OF 1	
CONTRACTOR:		EMPIRE DRILLING						ELEV. DATUM: 1929, NGD	
								ELEV.(GS): 624.1	
								ELEV.(TOC): -	
								DATE START: 12-11-91	
								DATE FINISH: 12-11-91	
								DRILLER: JW/LB	
								INSPECTOR: PPM	
		GROUNDWATER READINGS							
		CASING	SAMPLER	CORE BARREL		DATE	TIME	DEPTH TO WATER	STABILIZATION TIME
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.24/9.63	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
		SAMPLE				SAMPLE DESCRIPTION		STRATUM DESCRIPTION	
DEPTH (FT.)	CASING	SAMPLE	RECOVERY	SAMPLE	VOC				
	BLOWS PER FOOT	BLOWS PER 6 INCHES	(FT.)	DEPTH RANGE	SCREEN (PPM)				
1		10				Black Weathered Shale Fragments, some SILT and CLAY, with Spent Ammunition, Slugs Shrapnel		Fill	
		10							
2		10	2'	0-2'	0.0				
		12							
3		60							
		100/4							
4			0.8'	2-4'	0.0				
5		13							
		23							
6		31	1.5'	4-6'	0.0				
		41							
7		57				Dark Gray Weathered Shale, Fissile, some SILT		Weathered Shale	
		100							
8			2'	6-8'	0.0	Gray Shale		Competent Shale	
9									
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS				VOL. WATER LOST: GAL.		DATE WELL DEVELOPED:	
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY		VOC DETECTOR: ORGANIC VAPOR METER				
0-4	V. LOOSE	<2	V.SOFT		WELL PIPE	PVC	DIAM.	2"	SLOT SIZE: 0.010"
4-10	LOOSE	2-4	SOFT						
10-30	M.DENSE	4-8	M.STIFF		REMARKS: No Equipment Installed				
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: PB-C-1		
PROJECT: SEAD, OB GROUND RIFS						JOB NO: 720229-0600		SHEET NO: 1 OF 1		
CLIENT: SENECA ARMY DEPOT						ELEV. DATUM: 1929, NGD		ELEV.(GS): 626.3		
CONTRACTOR: EMPIRE DRILLING						ELEV.(TOC): -		DATE START: 1-7-92		
				GROUNDWATER READINGS				DATE FINISH: 1-7-92		
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DRILLER: JW/LB		
								INSPECTOR: ZK/LB		
TYPE:	AUGER	SPLIT SPOON	-							
SIZE ID/OD:	6.24/9.63	3" O.D.	-							
HAMMER WEIGHT:	-	140 LB	-							
HAMMER FALL:	-	30 INCH	-							
SAMPLE										
DEPTH (FT.)	CASING	SAMPLE	RECOVERY	SAMPLE	VOC	SAMPLE DESCRIPTION		STRATUM DESCRIPTION		
	BLOWS PER FOOT	BLOWS PER 6 INCHES	(FT.)	DEPTH RANGE	SCRIBEN (PPM)					
1		9				Dark Gray Weathered Shale Fragments, some SILT and CLAY, some sand and wood fragments		Fill		
		12								
2		27				1.7		0-2'		
		32								
3		28				1.3		2-4'		
		27								
4		47				1.7		4-6'		
		43								
5		17				7.5'		Olive Gray		
		23								
6		43				1.7		7.5'		
		46								
7		63				1.7		6-8'		
		67								
8		57				1.7		6-8'		
		100/4								
9						Refusal @ 8.0		Competent Shale		
10						Gray Shale				
11										
12										
13										
GRANULAR SOILS			COHESIVE SOILS			VOL. WATER LOST: GAL. DATE WELL DEVELOPED:				
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR:		ORGANIC VAPOR METER				
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE		PVC	DIAM.	2"	SLOT SIZE:	0.010"
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed						
10-30	M.DENSE	4-8	M.STIFF							
30-50	DENSE	8-15	STIFF							
>50	V.DENSE	15-30	V.STIFF							
		>30	HARD							

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: PB-D-1	
PROJECT: SEAD, OB GROUND RIFS						JOB NO: 720229-0600		SHEET NO: 1 OF 1	
CLIENT: SENECA ARMY DEPOT						ELEV. DATUM: 1929, NGD		ELEV.(GS): 627.0	
CONTRACTOR: EMPIRE DRILLING						ELEV.(TOC): -		DATE START: 1-7-92	
				GROUNDWATER READINGS				DATE FINISH: 1-7-92	
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DRILLER: JW/LB	
								INSPECTOR: ZK/LB	
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.24/9.63	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		7				Dark Gray Weathered Shale Fragments, some SILT CLAY and SAND	Fill		
		10							
2		12							
		17	1	0-2'	0.0				
3		45							
		30							
4		35							
		28	1.3	2-4'	0.0				
5		18				Olive Gray SILT, some +CLAY, trace - GRAVEL trace fine to medium SAND	Till (ML)		
		28							
6		34							
		55	1.5	4-6'	0.0				
7		93							
		100/2							
8		-				Gray Weathered Shale, Fissile, some SILT	Weathered Shale		
		-	0.5	6-8'	0.0				
9		55							
		95							
10		100/2				Refusal @ 9.2' Gray Shale	Competent Shale		
			1	8-9.2	0.0				
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS			VOL. WATER LOST: GAL. DATE WELL DEVELOPED:				
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE PVC DIAM. 2" SLOT SIZE: 0.010"					
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: PB-E-1		
PROJECT: SEAD, OB GROUND RIFS						JOB NO: 720229-0600		SHEET NO: 1 OF 1		
CLIENT: SENECA ARMY DEPOT						ELEV. DATUM: 1929, NGD		ELEV.(GS): 629.7		
CONTRACTOR: EMPIRE DRILLING						ELEV.(TOC): -		DATE START: 1-8-92		
				GROUNDWATER READINGS				DATE FINISH: 1-8-92		
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DRILLER: JW/LB		
								INSPECTOR: ZK/LB		
TYPE:	AUGER	SPLIT SPOON	-							
SIZE ID/OD:	6.24/9.63	3" O.D.	-							
HAMMER WEIGHT:	-	140 LB	-							
HAMMER FALL:	-	30 INCH	-							
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION			
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCRIBEN (PPM)					
1		14				Dark Gray Weathered Shale Fragments, some SILT CLAY and SAND	Fill			
		14								
2		24	1.5	0-2'	0.0					
		23								
3		64				Brown-gray SILT, some +CLAY, trace - GRAVEL trace fine to medium SAND	Till (ML)			
		21								
4		28	1.5	2-4'	0.0					
		29								
5		16								
		26								
6		33	1.5	4-6'	0.0					
		25								
7		35								
		50								
8		51	1.7	6-8'	0.0					
		69								
9		16								
		13								
10		12	1.5	8-10	0.0					
		24								
11		27								
		33								
12		100/3	1.5	10-11.3	0.0	Gray Weathered Shale, fissile, some SILT	Weathered Shale			
						Refusal @11.3'	Competent Shale			
13						Gray Shale				
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL. DATE WELL DEVELOPED:						
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER						
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE PVC DIAM. 2" SLOT SIZE: 0.010"						
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed						
10-30	M.DENSE	4-8	M.STIFF							
30-50	DENSE	8-15	STIFF							
>50	V.DENSE	15-30	V.STIFF							
		>30	HARD							

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: PB-F-1	
PROJECT: SEAD, OB GROUND RIFS						JOB NO: 720229-0600			
CLIENT: SENECA ARMY DEPOT						SHEET NO: 1 OF 1			
CONTRACTOR: EMPIRE DRILLING						ELEV. DATUM: 1929, NGD			
						ELEV.(OS):			
						ELEV.(TOC):			
						DATE START:			
						DATE FINISH:			
						DRILLER:			
						INSPECTOR:			
	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS				DATE START:	DATE FINISH:
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME		
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.24/9.63	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		9				Dark Gray Weathered Shale Fragments, some SILT CLAY with Spent Ammunition	Fill		
		11	1.2						
2		9							
		12	1.2		0.0				
3		16				Olive-gray SILT, some +CLAY, trace - GRAVEL trace fine to medium SAND	Till (ML)		
		20	0.7						
4		37							
		61	0.7		0.0				
5		29							
		42	2.0						
6		53							
		53	2.0		0.0				
7		38				6.9'			
		28	1.5						
8		25				Gray Weathered Shale, Pissile, Some SILT	Weathered Shale		
		41	1.5		0.0				
9		100/3				Refusal @ 8.3'	Competent Shale		
			0.3		0.0	Gray Shale			
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL. DATE WELL DEVELOPED:					
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE	PVC	DIAM.	2"	SLOT SIZE:	0.010"
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: PB-G-1	
PROJECT: SEAD, OB GROUND RIFS						JOB NO: 720229-0600		SHEET NO: 1 OF 1	
CLIENT: SENECA ARMY DEPOT						ELEV. DATUM: 1929, NGD		ELEV.(OS): 631.9	
CONTRACTOR: EMPIRE DRILLING						ELEV.(TOC): -		DATE START: 1-8-92	
				GROUNDWATER READINGS				DATE FINISH: 1-8-92	
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DRILLER: JW/LB	
								INSPECTOR: ZK/LB	
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.24/9.63	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		2				Dark Gray Loose CLAY and Shale, some SILT	Fill		
		6	1.2			Brown-gray SILT, some +CLAY, trace - GRAVEL	Till (CL)		
2		14				trace fine to medium SAND			
		14	1.2	0.2	0.0				
3		47							
		16							
4		29							
		50	1.3	2-4	0.0				
5		25							
		42	2.0						
6		50							
		50	2.0	4-6	0.0				
7		43				Dark Gray SILT, some +CLAY, trace - GRAVEL,	Till (ML)		
		40				trace fine to medium SAND			
8		45							
		45	1.5	6-8	0.0				
9		34							
		62	0.3		0.0				
10		100/3				Gray Weathered Shale, Fissile, some SILT	Weathered Shale		
			1.2	8-9.3	0.0	Gray Shale	Competent Shale		
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS			VOL. WATER LOST: GAL. DATE WELL DEVELOPED:				
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY		VOC DETECTOR: ORGANIC VAPOR METER				
0-4	V. LOOSE	<2	V.SOFT		WELL PIPE	PVC	DIAM.	2"	SLOT SIZE: 0.010"
4-10	LOOSE	2-4	SOFT		REMARKS: No Equipment Installed				
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: PB-G-2			
PROJECT: SEAD, OB GROUND RIFS						JOB NO: 72029-0600		SHEET NO: 1 OF 1			
CLIENT: SENECA ARMY DEPOT						ELEV. DATUM: 1929, NGD		ELEV.(OS): 632.7			
CONTRACTOR: EMPIRE DRILLING						ELEV.(TOC): -		DATE START: 1-9-92			
						DATE FINISH: 9-92		DRILLER: JW/LB			
						INSPECTOR: ZK/LB					
TYPE:	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME				
AUGER		SPLIT SPOON	-								
SIZE ID/OD:	6.24/9.63	3" O.D.	-								
HAMMER WEIGHT:	-	140 LB	-								
HAMMER FALL:	-	30 INCH	-								
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION				
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)						
1		4				Dark gray shale fragments, with some SILT and CLAY, Rust Staining	Fill Till (CL)				
		9									
2		12				1.3	0.2	0.0			
		17									
3		29				1.5	2-4	0.0			
		33									
4		26				1.5	2-4	0.0			
		26									
5		12				2.0	4-6	0.0			
		15									
6		19				2.0	4-6	0.0			
		21									
7		14				2.0	4-6	0.0			
		22									
8		28				1.0	6-8	0.0			
		33									
9		100/0				0	8-9	0.0			
10						0	8-9	0.0			
11						0	8-9	0.0			
12						0	8-9	0.0			
13						0	8-9	0.0			
GRANULAR SOILS			COHESIVE SOILS			VOL. WATER LOST: GAL. DATE WELL DEVELOPED:					
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER							
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE	PVC	DIAM.	2"	SLOT SIZE:	0.010"		
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed							
10-30	M.DENSE	4-8	M.STIFF								
30-50	DENSE	8-15	STIFF								
>50	V.DENSE	15-30	V.STIFF								
		>30	HARD								

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: PB-G-3		
PROJECT: SEAD, OB GROUND RIFS						JOB NO: 720229-0600		SHEET NO: 1 OF 1		
CLIENT: SENECA ARMY DEPOT						ELEV. DATUM: 1929, NGD		ELEV.(GS): 633.3		
CONTRACTOR: EMPIRE DRILLING						ELEV.(TOC): -		DATE START: 1-9-92		
				GROUNDWATER READINGS				DATE FINISH: 9-92		
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DRILLER: JW/LB		
								INSPECTOR: ZK/LB		
TYPE:	AUGER	SPLIT SPOON	-							
SIZE ID/OD:	6.24/9.63	3" O.D.	-							
HAMMER WEIGHT:	-	140 LB	-							
HAMMER FALL:	-	30 INCH	-							
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION			
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)					
1		3				Dark - gray shale fragments, some SILT and CLAY, one spent round	Fill			
2		9								
		15								
3		18	1.2	0-2	0.0					
		28				Brown - Gray SILT, some + CLAY, trace - GRAVEL	Till (ML)			
4		38				trace fine to medium SAND				
		49								
5		63	1.0	2.4	0.0					
		27								
6		17								
		19								
7		100	2.0	4-6	0.0					
		95								
8		100/3	0.7	6-6.8	0.0					
						Refusal @6.8'	Competent Shale			
9						Gray Shale				
10										
11										
12										
13										
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL. DATE WELL DEVELOPED:						
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER						
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE PVC DIAM. 2" SLOT SIZE: 0.010"						
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed						
10-30	M.DENSE	4-8	M.STIFF							
30-50	DENSE	8-15	STIFF							
>50	V.DENSE	15-30	V.STIFF							
		>30	HARD							

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: PB-G-4	
PROJECT: SEAD, OB GROUND RIFS						JOB NO: 720229-0600			
CLIENT: SENECA ARMY DEPOT						SHEET NO: 1 OF 1			
CONTRACTOR: EMPIRE DRILLING						ELEV. DATUM: 1929, NGD			
						ELEV.(GS): 634.1			
						ELEV.(TOC): -			
						DATE START: 9-92			
						DATE FINISH: 9-92			
						DRILLER: JW/LB			
						INSPECTOR: ZK/LB			
						GROUNDWATER READINGS			
		CASING	SAMPLER	CORE BARREL		DATE	TIME	DEPTH TO WATER	STABILIZATION TIME
TYPE:		AUGER	SPLIT SPOON	-					
SIZE ID/OD:		6.24/9.63	3" O.D.	-					
HAMMER WEIGHT:		-	140 LB	-					
HAMMER FALL:		-	30 INCH	-					
SAMPLE						SAMPLE DESCRIPTION		STRATUM DESCRIPTION	
DEPTH (FT.)	CASING	SAMPLE	RECOVERY	SAMPLE	VOC				
	BLOWS PER FOOT	BLOWS PER 6 INCHES	(FT.)	DEPTH RANGE	SCREEN (PPM)				
1		2				Dark - gray shale fragments, some SILT and CLAY,		Fill	
		8				Brown - Gray SILT, some +CLAY, trace - GRAVEL,		Till (ML)	
		11				trace fine to medium SAND			
2		14	1.2	0-2	0.0				
		25							
3		22							
		20							
4		27	0	2.4	0.0				
		60							
5		40	1.5	4-5.4	0.0				
		100/4							
6									
7						Gray Shale			
8									
9									
10									
11									
12									
13									
GRANULAR SOILS			COHESIVE SOILS			VOL. WATER LOST: GAL. DATE WELL DEVELOPED:			
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE PVC DIAM. 2" SLOT SIZE: 0.010"					
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: PB-G-5	
PROJECT: SEAD, OB GROUND RIFS						JOB NO: 720229-0600		SHEET NO: 1 OF 1	
CLIENT: SENECA ARMY DEPOT						ELEV. DATUM: 1929, NGD		ELEV.(OS): 635.1	
CONTRACTOR: EMPIRE DRILLING						ELEV.(TOC): -		DATE START: 1-10-92	
						DATE FINISH: 1-10-92		DRILLER: JW/LB	
						INSPECTOR: ZK/LB			
						GROUNDWATER READINGS			
						DATE	TIME	DEPTH TO WATER	STABILIZATION TIME
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.24/9.63	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
SAMPLE						SAMPLE DESCRIPTION		STRATUM DESCRIPTION	
DEPTH (FT.)	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		4				Gray Brown SILT and +CLAY, trace rock fragments, some rust staining		Fill	
		11							
2		14							
		16	1.5	0-2	0.0				
3		20							
		26							
4		26							
		26	1,1	2.4	0.0				
5		10				Brown-gray SILT, some +CLAY, trace - GRAVEL, trace fine to medium SAND		Till (ML)	
		15							
6		9							
		20	1.5	4-6	0.0				
7		66							
		52							
8		54				Refusal @ 7.6'			
		100/1	1.5	6-7.6	0.0	Gray Shale		Competent Shale	
9									
10									
11									
12									
13									
GRANULAR SOILS			COHESIVE SOILS			VOL. WATER LOST: GAL. DATE WELL DEVELOPED:			
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR:		ORGANIC VAPOR METER			
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE	PVC	DIAM.	2"	SLOT SIZE:	0.010"
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: PB-G-6	
PROJECT: SEAD, OB GROUND RIFS						JOB NO: 720229-0600			
CLIENT: SENECA ARMY DEPOT						SHEET NO: 1 OF 1			
CONTRACTOR: EMPIRE DRILLING						ELEV. DATUM: 929, NGD			
						ELEV.(GS): 635.7			
						ELEV.(TOC): -			
				GROUNDWATER READINGS				DATE START: 1-13-92	
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DATE FINISH: 1-13-92	
								DRILLER: Empire	
								INSPECTOR: CTM	
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.24/9.63	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
SAMPLE									
DEPTH (FT.)	CASING	SAMPLE	RECOVERY	SAMPLE	VOC	SAMPLE DESCRIPTION		STRATUM DESCRIPTION	
	BLOWS PER FOOT	BLOWS PER 6 INCHES	(FT.)	DEPTH RANGE	SCREEN (PPM)				
1		1				Gray Shale Fragments Olive-gray SILT, Some +CLAY, Trace - GRAVEL, trace fine to medium SAND		Fill	
		16						Till (ML)	
2		11							
		12	1.3	0.2					
3		21							
		22							
4		34							
		28	1.1	2-4					
5		22							
		33							
6		35							
		50	1.5	4-6					
7		100/4						Gray Weathered Shale, Fissile Some SILT	
		52	0.4	6-6.4		Refusal @ 6.4'		Competent Shale	
8		54				Gray Shale			
		100/1	1.5	6-7.6	0.0				
9									
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL. DATE WELL DEVELOPED:					
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE	PVC	DIAM.	2"	SLOT SIZE:	0.010"
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: PB-G-7		
PROJECT: SEAD, OB GROUND RIFS						JOB NO: 720229-0600				
CLIENT: SENECA ARMY DEPOT						SHEET NO: 1 OF 1				
CONTRACTOR: EMPIRE DRILLING						ELEV. DATUM: 1929, NGD				
						ELEV.(GS): 636.4				
						ELEV.(TOC): -				
						DATE START: 1-13-92				
						DATE FINISH: 1-13-92				
						DRILLER: Empire				
						INSPECTOR: CTM				
				GROUNDWATER READINGS						
CASING		SAMPLER		CORE BARREL		DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	
TYPE: AUGER		SPLIT SPOON		-						
SIZE ID/OD: 6.24/9.63		3" O.D.		-						
HAMMER WEIGHT: -		140 LB		-						
HAMMER FALL: -		30 INCH		-						
SAMPLE						SAMPLE DESCRIPTION		STRATUM DESCRIPTION		
DEPTH (FT.)	CASING	SAMPLE	RECOVERY	SAMPLE	VOC					
	BLOWS PER FOOT	BLOWS PER 6 INCHES	(FT.)	DEPTH RANGE	SCREEN (PPM)					
1		1				Shale fragments with some SILT and CLAY		Fill		
		16								
2		11				1.3 0.2				
		12								
3		21				Olive-gray SILT, Some +CLAY, Trace -GRAVEL, trace fine to medium SAND		Till (ML)		
		22								
4		34				1.1 2-4				
		28								
5		22								
		33								
6		35				1.5 4-6				
		50								
7		100/4				0.4 6-6.4				
		52								
8		54				Refusal @ 7.3'		Competent Shale		
		100/1								
9						Gray Shale				
10										
11										
12										
13										
GRANULAR SOILS			COHESIVE SOILS			VOL. WATER LOST: GAL. DATE WELL DEVELOPED:				
BLOWS/FT	DENSITY		BLOWS/F	CONSISTENCY		VOC DETECTOR: ORGANIC VAPOR METER				
0-4	V. LOOSE		<2	V.SOFT		WELL PIPE	PVC	DIAM.	2"	SLOT SIZE: 0.010"
4-10	LOOSE		2-4	SOFT		REMARKS: No Equipment Installed				
10-30	M.DENSE		4-8	M.STIFF						
30-50	DENSE		8-15	STIFF						
>50	V.DENSE		15-30	V.STIFF						
			>30	HARD						

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: PB-H-1		
PROJECT: SEAD, OB GROUND RIFS						JOB NO: 720229-0600		SHEET NO: 1 OF 1		
CLIENT: SENECA ARMY DEPOT						ELEV. DATUM: 1929, NGD		ELEV.(GS): 637.0		
CONTRACTOR: EMPIRE DRILLING						ELEV.(TOC): -		DATE START: 12-12-91		
				GROUNDWATER READINGS				DATE FINISH: 12-12-91		
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DRILLER: JW/LB		
								INSPECTOR: PFM		
TYPE:	AUGER	SPLIT SPOON	-							
SIZE ID/OD:	6.24/9.63	3" O.D.	-							
HAMMER WEIGHT:	-	140 LB	-							
HAMMER FALL:	-	30 INCH	-							
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION			
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)					
1		1				Weathered Shale Fragments, Some SILT and CLAY	Fill			
		16								
2		11				Olive-gray SILT, Some +CLAY, Trace -GRAVEL, trace fine to medium SAND	Till (ML)			
		12	1.2	0-2	0.0					
3		21				Refusal @ 5.9'	Competent Shale			
		22								
4		34				Gray Shale				
		28	1.8	2-4	0.0					
5		22								
		33								
6		35								
		100/4	1.5	4-5.9	0.0					
7										
8										
9										
10										
11										
12										
13										
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL.		DATE WELL DEVELOPED:				
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER						
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE	PVC	DIAM.	2"			
4-10	LOOSE	2-4	SOFT	SLOT SIZE: 0.010"						
10-30	M.DENSE	4-8	M.STIFF	REMARKS: No Equipment Installed						
30-50	DENSE	8-15	STIFF							
>50	V.DENSE	15-30	V.STIFF							
		>30	HARD							

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: PB-J-1	
PROJECT: SEAD, OB GROUND RIFS								JOB NO: 720229-0600	
CLIENT: SENECA ARMY DEPOT								SHEET NO: 1 OF 1	
CONTRACTOR: EMPIRE DRILLING								ELEV. DATUM: 1929, NGD	
								ELEV.(OS): 637.1	
								ELEV.(TOC): -	
				GROUNDWATER READINGS				DATE START: 1-13-92	
								DATE FINISH: 1-13-92	
								DRILLER: Empire	
								INSPECTOR: CTM	
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.24/9.63	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
SAMPLE									
DEPTH (FT.)	CASING	SAMPLE	RECOVERY	SAMPLE	VOC	SAMPLE DESCRIPTION		STRATUM DESCRIPTION	
	BLOWS PER FOOT	BLOWS PER 6 INCHES	(FT.)	DEPTH RANGE	SCREEN (PPM)				
1		1				Shale Fragments		Fill	
		16				Brown-gray SILT, some +CLAY, trace -GRAVEL,		Till (ML)	
2		11				trace fine to medium SAND			
		12	1.2	0-2	0.0				
3		21							
		22							
4		34							
		28	1.8	2-4	0.0	Refusal @ 3.9'			
5		22				Gray Shale		Competent Shale	
		33							
6		35							
		100/4	1.5	4-5.9	0.0				
7									
8									
9									
10									
11									
12									
13									
GRANULAR SOILS			COHESIVE SOILS			VOL. WATER LOST: GAL. DATE WELL DEVELOPED:			
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE		PVC	DIAM.	2"	SLOT SIZE: 0.010"
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: PB-J-2		
PROJECT: SEAD, OB GROUND RIFS						JOB NO: 720229-0600		SHEET NO: 1 OF 1		
CLIENT: SENECA ARMY DEPOT						ELEV. DATUM: 1929, NGD		ELEV.(GS): 637.1		
CONTRACTOR: EMPIRE DRILLING						ELEV.(TOC): -		DATE START: 1-14-92		
				GROUNDWATER READINGS				DATE FINISH: 1-14-92		
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DRILLER: Empire		
								INSPECTOR: CTM		
TYPE:	AUGER	SPLIT SPOON	-							
SIZE ID/OD:	6.24/9.63	3" O.D.	-							
HAMMER WEIGHT:	-	140 LB	-							
HAMMER FALL:	-	30 INCH	-							
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION			
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)					
1		6				Shale Fragments, SILT, CLAY and ROOTS	Fill			
		9				0.7'				
2		11				Olive-gray SILT, Some +CLAY, trace - GRAVEL	Till (ML)			
		12	1.3	0-2		trace fine to medium SAND				
3		24								
		67								
4		49								
		51	1.7	2-4						
5		20								
		51								
6		55								
		100/4	24	4-7.2		5.9'				
7		50/2				Gray Weathered Shale, Fissile, Some SILT	Weathered Shale			
			0							
8						Refusal @ 7.2'	Competent Shale			
9										
10										
11										
12										
13										
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL. DATE WELL DEVELOPED:						
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER						
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE PVC DIAM. 2" SLOT SIZE: 0.010"						
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed						
10-30	M.DENSE	4-8	M.STIFF							
30-50	DENSE	8-15	STIFF							
>50	V.DENSE	15-30	V.STIFF							
		>30	HARD							

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: PB-J-3	
PROJECT: SEAD, OB GROUND RIFS						JOB NO: 720229-0600		SHEET NO: 1 OF 1	
CLIENT: SENECA ARMY DEPOT						ELEV. DATUM: 1929, NGD		ELEV.(OS): 636.7	
CONTRACTOR: EMPIRE DRILLING						ELEV.(TOC): -		DATE START: 1-15-92	
				GROUNDWATER READINGS				DATE FINISH: 1-15-92	
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DRILLER: Empire	
								INSPECTOR: CTM	
TYPE: AUGER				SAMPLER: SPLIT SPOON				-	
SIZE ID/OD: 6.24/9.63				3" O.D.				-	
HAMMER WEIGHT: -				140 LB				-	
HAMMER FALL: -				30 INCH				-	
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		1				Shale Fragments, SILT and CLAY	Fill		
		12				0.7'			
2		11				Olive-gray SILT, Some +CLAY, trace -GRAVEL	Till (ML)		
		10	1.3	0-2		trace fine to medium SAND			
3		27							
		34							
4		46							
		35	1.7	2-4					
5		17							
		37							
6		69							
		100/3	1.8	4-5.7		Refusal @ 5.7'	Competent Shale		
7						Gray Shale			
8									
9									
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS			VOL. WATER LOST: GAL.		DATE WELL DEVELOPED:		
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE PVC DIAM. 2"		SLOT SIZE: 0.010"			
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: PB-J-4		
PROJECT: SEAD, OB GROUND RIFS				JOB NO: 720229-0600				SHEET NO: 1 OF 1		
CLIENT: SENECA ARMY DEPOT				ELEV. DATUM: 1929, NGD				ELEV.(GS): 636.6		
CONTRACTOR: EMPIRE DRILLING				ELEV.(TOC): -				DATE START: 1-15-92		
				DATE FINISH: 1-15-92				DRILLER: Empire		
				INSPECTOR: CTM						
	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS				DATE START	DATE FINISH	
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME			
TYPE:	AUGER	SPLIT SPOON	-							
SIZE ID/OD:	6.24/9.63	3" O.D.	-							
HAMMER WEIGHT:	-	140 LB	-							
HAMMER FALL:	-	30 INCH	-							
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION			
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)					
1		13				Shale Fragments, SILT and CLAY	Fill			
		10								
2		18								
		10	1.0	0-2						
3		30				Olive-gray SILT, Some +CLAY, trace - GRAVEL	Till (ML)			
		35				trace fine to medium SAND				
4		30								
		33	2.0	2-4						
5		27								
		47								
6		47				Refusal @ 5.8'				
		100/3	1.9	4-5.8						
7						Gray Shale	Competent Shale			
8										
9										
10										
11										
12										
13										
GRANULAR SOILS		COHESIVE SOILS			VOL. WATER LOST: GAL. DATE WELL DEVELOPED:					
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY		VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT		WELL PIPE	PVC	DIAM.	2"	SLOT SIZE:	0.010"
4-10	LOOSE	2-4	SOFT		REMARKS: No Equipment Installed					
10-30	M.DENSE	4-8	M.STIFF							
30-50	DENSE	8-15	STIFF							
>50	V.DENSE	15-30	V.STIFF							
		>30	HARD							

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: PB-J-5	
PROJECT: SEAD, OB GROUND RIFS				JOB NO: 720229-0600				SHEET NO: 1 OF 1	
CLIENT: SENECA ARMY DEPOT				ELEV. DATUM: 1928, NGD				ELEV.(GS): 637.1	
CONTRACTOR: EMPIRE DRILLING				ELEV.(TOC): -				DATE START: 1-15-92	
				DATE FINISH: 1-15-92				DRILLER: Empire	
				INSPECTOR: CTM					
	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS				DATE START	DATE FINISH
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME		
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.24/9.63	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		3				Shale Fragments some fine SAND and SILT	Fill		
2		9							
		17							
3		12	1	0-2		Olive-gray SILT, Some +CLAY, trace - GRAVEL trace fine to medium SAND	Till (ML)		
		19							
4		27							
		36							
5		46	0	2-4					
		30							
6		49				Refusal @ 5.9'			
		56							
7		100/4	1.5	4-5.9		Gray Shale	Competent Shale		
8									
9									
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL.		DATE WELL DEVELOPED:			
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE	PVC	DIAM. 2"	SLOT SIZE: 0.010"		
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: PB-J-6	
PROJECT: SEAD, OB GROUND RIFS						JOB NO: 720229-0600			
CLIENT: SENECA ARMY DEPOT						SHEET NO: 1 OF 1			
CONTRACTOR: EMPIRE DRILLING						ELEV. DATUM: 1929, NGD			
						ELEV.(GS): 636.3			
						ELEV.(TOC): -			
						DATE START: 1-15-92			
						DATE FINISH: 1-15-92			
						DRILLER: Empire			
						INSPECTOR: CTM			
TYPE:	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS					
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME		
AUGER		SPLIT SPOON	-						
SIZE ID/OD:	6.24/9.63	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		8				Shale Fragments some SILT	Fill		
		16							
2		11							
		8	1.4	0-2					
3		17				Olive-gray SILT, Some +CLAY, trace -GRAVEL	Till (ML)		
		25				trace fine to medium SAND			
4		43							
		47	1.9	2-4					
5		15							
		38							
6		53				Refusal @ 5.7			
		100/2	1.0	4-5.7		Gray SHale	Competent Shale		
7									
8									
9									
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL. DATE WELL DEVELOPED:					
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE PVC DIAM. 2" SLOT SIZE: 0.010"					
4-10	LOOSE	2-4	SOFT						
10-30	M.DENSE	4-8	M.STIFF	REMARKS: No Equipment Installed					
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: PB-J-7	
PROJECT: SEAD, OB GROUND RIFS						JOB NO: 720229-0600		SHEET NO: 1 OF 1	
CLIENT: SENECA ARMY DEPOT						ELEV. DATUM: 1929, NGD		ELEV.(GS): 636.8	
CONTRACTOR: EMPIRE DRILLING						ELEV.(TOC): -		DATE START: 1-17-92	
				GROUNDWATER READINGS				DATE FINISH: 1-17-92	
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DRILLER: Empire	
								INSPECTOR: CTM	
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.24/9.63	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1					Shale Fragments, some SILT	Fill			
2									
3					Brown-gray SILT, Some +CLAY, trace -GRAVEL	Till (ML)			
4					trace fine to medium SAND				
5									
6									
7									
8					Refusal @ 7.4'				
9					Gray Shale	Competent Shale			
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL. DATE WELL DEVELOPED:					
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE PVC DIAM. 2" SLOT SIZE: 0.010"					
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: PB-J-8	
PROJECT: SEAD, OB GROUND RIFS						JOB NO: 720229-0600			
CLIENT: SENECA ARMY DEPOT						SHEET NO: 1 OF 1			
CONTRACTOR: EMPIRE DRILLING						ELEV. DATUM: 1929, NGD			
						ELEV.(GS): 635.1			
						ELEV.(TOC): -			
						DATE START: 1-17-92			
						DATE FINISH: 1-17-92			
						DRILLER: Empire			
						INSPECTOR: CTM			
				GROUNDWATER READINGS					
CASING		SAMPLER		CORE BARREL		DATE	TIME	DEPTH TO WATER	STABILIZATION TIME
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.24/9.63	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
SAMPLE						SAMPLE DESCRIPTION		STRATUM DESCRIPTION	
DEPTH (FT.)	CASING	SAMPLE	RECOVERY	SAMPLE	VOC				
	BLOWS PER FOOT	BLOWS PER 6 INCHES	(FT.)	DEPTH RANGE	SCREEN (PPM)				
1		1				Shale Fragments, some SILT, ROOTS		Fill	
		5							
2		7							
		12	1.5	0-2					
3		31				Olive-gray SILT, Some +CLAY, trace - GRAVEL		Till (ML)	
		35				trace fine to medium SAND			
4		39							
		38	1.3	2-4					
5		92				Refusal @ 4.7'			
		100/2	0.5	2-4.7		Gray Shale		Competent Shale	
6									
7									
8									
9									
10									
11									
12									
13									
GRANULAR SOILS			COHESIVE SOILS			VOL. WATER LOST: GAL. DATE WELL DEVELOPED:			
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE	PVC	DIAM.	2"	SLOT SIZE:	0.010"
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING N°	GB-01		
PROJECT: SEAD, OB GROUND RIFS								JOB NO:	720229-0600		
CLIENT: SENECA ARMY DEPOT								SHEET NO:	1 OF 1		
CONTRACTOR: EMPIRE DRILLING								ELEV. DATUM:	1929, NGD		
								ELEV.(GS):	622.8		
								ELEV.(TOC):	-		
								DATE START:	12-3-91		
								DATE FINISH:	12-3-91		
								DRILLER:	JW/LB		
								INSPECTOR:	BODO/GRIFFITHS		
TYPE:	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME				
	AUGER	SPLIT SPOON	-							NONE	
SIZE ID/OD:	6.25/9.63"	3" O.D.	-								
HAMMER WEIGHT:	-	140 LB	-								
HAMMER FALL:	-	30 INCH	-								
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION				
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)						
1		2				Brown Gray SILT, Some +CLAY, Trace - GRAVEL and Trace Fine to Medium SAND	TILL (ML)				
		6			0.0						
2		10									
		14	1.3	0-2'	0.0						
3		19				Gray Weathered Shale, Fissile, Some SILT	WEATHERED SHALE				
		23			0.0						
4		30									
		33	1.2	2-4'	0.0						
5		31				Refusal @ 5.9'	COMPETENT SHALE				
		28			0.0						
6		33				Gray Shale					
		100/0.4	1.8	4-5.9'	0.0						
7											
8											
9											
10											
11											
12											
13											
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL. DATE WELL DEVELOPED:							
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER							
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE: DIAM. SLOT SIZE: 0.010"							
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed							
10-30	M.DENSE	4-8	M.STIFF								
30-50	DENSE	8-15	STIFF								
>50	V.DENSE	15-30	V.STIFF								
		>30	HARD								

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING N: GB-02	
PROJECT: SEAD, OB GROUND RIFS							JOB NO: 720229-0600		
CLIENT: SENECA ARMY DEPOT							SHEET NO: 1 OF 1		
CONTRACTOR: EMPIRE DRILLING							ELEV. DATUM: 1929, NGD		
							ELEV.(GS): 622.1		
							ELEV.(TOC): -		
				GROUNDWATER READINGS				DATE START: 12-3-91	
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DATE FINISH: 12-3-91	
TYPE: AUGER				SAMPLER: SPLIT SPOON		CORE BARREL: -		DRILLER: JW/LB	
SIZE ID/OD: 6.25/9.63"				3" O.D.		NONE		INSPECTOR: R. GRIFFITHS	
HAMMER WEIGHT: -				140 LB					
HAMMER FALL: -				30 INCH					
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		3				Brown Gray SILT, Some +CLAY, Trace + GRAVEL and Trace Fine to Medium SAND	TILL (ML)		
		7			0.0				
2		10							
		14		0-2'	0.0				
3		24				Gray Weathered Shale, Fissile, Some SILT	WEATHERED SHALE		
		24			0.0				
4		30							
		90		2-4'	0.0				
5		27				Refusal @ 5.8'	COMPETENT SHALE		
		51			0.0				
6		90							
		100/0.3		4-5.8	0.0				
7									
8									
9									
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL.		DATE WELL DEVELOPED:			
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR:		ORGANIC VAPOR METER			
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE:		DIAM. SLOT SIZE: 0.010"			
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING N: GB-03					
PROJECT: SEAD, OB GROUND RIFS						JOB NO: 720229-0600		SHEET NO: 1 OF 1					
CLIENT: SENECA ARMY DEPOT						ELEV. DATUM: 1929, NOD		ELEV.(OS): 635.6					
CONTRACTOR: EMPIRE DRILLING						ELEV.(TOC): -		DATE START: 12-4-91					
						DATE FINISH: 12-5-91		DRILLER: JW/LB					
						INSPECTOR: R. GRIFFITHS							
				GROUNDWATER READINGS									
CASING		SAMPLER		CORE BARREL		DATE	TIME	DEPTH TO WATER	STABILIZATION TIME				
TYPE:	AUGER	SPLIT SPOON		-									
SIZE ID/OD:	6.25/9.63"	3" O.D.		-									
HAMMER WEIGHT:	-	140 LB		-									
HAMMER FALL:	-	30 INCH		-									
SAMPLE						SAMPLE DESCRIPTION		STRATUM DESCRIPTION					
DEPTH (FT.)	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (PT.)	SAMPLE DEPTH RANGE	VOC SCRIBEN (PPM)								
1		4				Brown Gray SILT, Some +CLAY, Trace +GRAVEL, Trace Fine to Medium SAND	TILL (ML)						
		6			0.0								
2		9											
		7	1'	0-2'	0.0								
3		10											
		11			0.0								
4		51											
		84	1.5'	2-4'	0.0								
5		21											
		28			0.0								
6		29											
		29	1.5'	4-6'	0.0								
7		51											
		62			0.0								
8		100/3'	1.3'	6-7.3	0.0	GRAY WEATHERED SHALE, FISSILE, SOME SILT Refusal @ 7.3'	WEATHERED SHALE						
9						GRAY SHALE	COMPETENT SHALE						
10													
11													
12													
13													
GRANULAR SOILS			COHESIVE SOILS			VOL. WATER LOST: GAL. DATE WELL DEVELOPED:							
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR:		ORGANIC VAPOR METER							
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE:		DIAM.	SLOT SIZE:		0.010"				
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed									
10-30	M.DENSE	4-8	M.STIFF										
30-50	DENSE	8-15	STIFF										
>50	V.DENSE	15-30	V.STIFF										
		>30	HARD										

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING N° GB-04	
PROJECT: SEAD, OB GROUND RIFS				JOB NO: 720229-0600				SHEET NO: 1 OF 1	
CLIENT: SENECA ARMY DEPOT				ELEV. DATUM: 1929, NGD				ELEV.(OS): 631.1	
CONTRACTOR: EMPIRE DRILLING				ELEV.(TOC): -				DATE START: 12-5-91	
				DATE FINISH: -				DRILLER: JW/LB	
				INSPECTOR: R. GRIFFITHS					
TYPE:	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS					
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME		
AUGER		SPLIT SPOON	-						
SIZE ID/OD:	6.25/9.63"	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		6				Brown Gray SILT, Some +CLAY, Trace Fine to Medium SAND	TILL (ML)		
		8							
2		12				Brown - Gray SILT, Some +CLAY, Little +GRAVEL, Trace Fine to Medium SAND			
		16	1.5'	0-2'					
3		32							
		236							
4		37							
		38	1.6'	2-4'					
5		28							
		14							
6		12							
		10	1.5'	4-6'					
7		12							
		20							
8		60				Refusal @ 7.9'			
		100/4	1'	6-7.9'					
9						GRAY SHALE	COMPETENT SHALE		
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL.		DATE WELL DEVELOPED:			
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE: DIAM.		SLOT SIZE: 0.010"			
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING N: GB-05	
PROJECT: SEAD, OB GROUND RIFS						JOB NO: 720229-0600		SHEET NO: 1 OF 1	
CLIENT: SENECA ARMY DEPOT						ELEV. DATUM: 1929, NGD		ELEV.(GS): 634.6	
CONTRACTOR: EMPIRE DRILLING						ELEV.(TOC): -		DATE START: 12-5-91	
				GROUNDWATER READINGS				DATE FINISH: 12-6-91	
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DRILLER: JW/LB	
								INSPECTOR: R. GRIFFITHS	
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.25/9.63"	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		6				Gray SILT, Some +CLAY, Little - GRAVEL, Trace Fine to Medium SAND	TILL (ML)		
		10			0.0				
2		17							
		27	1.7'	0-2'	0.0	Refusal @ 3.2'	COMPETENT SHALE		
3		31							
		40			0.0				
4		-				GRAY SHALE			
		100/2	1.1'	2-3.2'	0.0				
5									
6									
7									
8									
9									
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL.		DATE WELL DEVELOPED:			
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR:		ORGANIC VAPOR METER			
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE:		DIAM.	SLOT SIZE: 0.010"		
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING N°	GB-06	
PROJECT: SEAD, OB GROUND RIFS							JOB NO: 720229-0600			
CLIENT: SENECA ARMY DEPOT							SHEET NO: 1 OF 1			
CONTRACTOR: EMPIRE DRILLING							ELEV. DATUM: 1929, NGD			
							ELEV.(GS): 636.2			
							ELEV.(TOC): -			
				GROUNDWATER READINGS				DATE START: 12-6-91		
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DATE FINISH: 12-6-91		
TYPE: AUGER							SPLIT SPOON		DRILLER: JW/LB	
SIZE ID/OD: 6.25/9.63"							3" O.D.		INSPECTOR: R. GRIFFITHS	
HAMMER WEIGHT: -							140 LB			
HAMMER FALL: -							30 INCH			
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION			
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)					
1		4				Brown Gray SILT, Some +CLAY, Trace GRAVEL, Trace Fine to Medium SAND	TILL (ML)			
		8								
2		20	0-2'		1.6					
		25								
3		19				GRAY WEATHERED SHALE, FISSILE, SOME SILT	WEATHERED SHALE			
		32								
4		35	2-4'							
		76								
5		24				Refusal @ 6.9'	COMPETENT SHALE			
		44								
6		45	4-6'							
		40								
7		39				GRAY SHALE				
		100/4	6-6.9'							
8										
9										
10										
11										
12										
13										
GRANULAR SOILS		COHESIVE SOILS			VOL. WATER LOST: GAL. DATE WELL DEVELOPED:					
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR:		ORGANIC VAPOR METER				
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE:		DIAM.	SLOT SIZE: 0.010"			
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed						
10-30	M.DENSE	4-8	M.STIFF							
30-50	DENSE	8-15	STIFF							
>50	V.DENSE	15-30	V.STIFF							
		>30	HARD							

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING N: GB-07	
PROJECT: SEAD, OB GROUND RIFS						JOB NO: 720229-0600		SHEET NO: 1 OF 1	
CLIENT: SENECA ARMY DEPOT						ELEV. DATUM: 1929, NGD		ELEV.(GS): 620.2	
CONTRACTOR: EMPIRE DRILLING						ELEV.(TOC): -		DATE START: 12-9-91	
				GROUNDWATER READINGS				DATE FINISH: 12-9-91	
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DRILLER: JW/LB	
								INSPECTOR: R. GRIFFITHS	
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.25/9.63"	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
				SAMPLE		SAMPLE DESCRIPTION			STRATUM DESCRIPTION
DEPTH (FT.)	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		3			0.0	Brown Gray SILT, Some +CLAY, Trace GRAVEL, Trace Fine to Medium SAND			TILL (ML)
		6							
2		12	1.8	0-2'	0.0				
		14							
3		17			0.0				
		33							
4		50	1.9'	2-4'	0.0				
		55							
5		50	.7	4-4.8	0.0	GRAY WEATHERED SHALE, FISSILE, SOME SILT			WEATHERED SHALE
		100/3				Refusal 4.8'			
6						GRAY SHALE			COMPETENT SHALE
7									
8									
9									
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL.		DATE WELL DEVELOPED:			
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR:		ORGANIC VAPOR METER			
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE:		DIAM.		SLOT SIZE: 0.010"	
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING N: GB-08	
PROJECT: SEAD, OB GROUND RIFS						JOB NO: 720229-0600		SHEET NO: 1 OF 1	
CLIENT: SENECA ARMY DEPOT						ELEV. DATUM: 1929, NGD		ELEV.(OS): 626.0	
CONTRACTOR: EMPIRE DRILLING						ELEV.(TOC): -		DATE START: 12-9-91	
				GROUNDWATER READINGS				DATE FINISH: 12-9-91	
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DRILLER: JW/LB	
								INSPECTOR: R. GRIFFITHS	
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.25/9.63"	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
SAMPLE						SAMPLE DESCRIPTION		STRATUM DESCRIPTION	
DEPTH (FT.)	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		4				Gray SILT, Some +CLAY, Trace GRAVEL, Trace Fine to Medium SAND		TILL (ML)	
		7			0.0				
2		12							
		17	1.5'	0-2'	0.0				
3		24							
		25			0.0				
4		27							
		28	1.7'	2-4'	0.0				
5		20							
		24			0.0				
6		35							
		36	1.8	4-6'	0.0				
7		25				5.5'			
		100/3	0.3	6-6.8'	0.0	GRAY WEATHERED SHALE, FISSILE, SOME SILT		WEATHERED SHALE	
8						6.8'			
						GRAY SHALE		COMPETENT SHALE	
9									
10									
11									
12									
13									
GRANULAR SOILS			COHESIVE SOILS			VOL. WATER LOST: GAL. DATE WELL DEVELOPED:			
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE: DIAM. SLOT SIZE: 0.010"					
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING N° GB-09	
PROJECT: SEAD, OB GROUND RIFS						JOB NO: 720229-0600		SHEET NO: 1 OF 1	
CLIENT: SENECA ARMY DEPOT						ELEV. DATUM: 1929, NGD		ELEV.(GS): 625.4	
CONTRACTOR: EMPIRE DRILLING						ELEV.(TOC): -		DATE START: 12-10-91	
				GROUNDWATER READINGS				DATE FINISH: 12-10-91	
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DRILLER: JW/LB	
								INSPECTOR: R. GRIFFITHS	
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.25/9.63"	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
SAMPLE									
DEPTH (FT.)	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)	SAMPLE DESCRIPTION		STRATUM DESCRIPTION	
1		3			0.0	Olive-Gray SILT, Some +CLAY, Trace +GRAVEL, Trace Fine to Medium SAND		TILL (ML)	
		6							
2		12	1.5'	0-2'	0.0				
		12							
3		16			0.0	GRAY WEATHERED SHALE FILLILE, SOME SILT		WEATHERED SHALE	
		16							
4		17	1.5'	2-4'	0.0	5.4'		COMPETENT SHALE	
		17							
5		19			0.0	GRAY SHALE			
		28							
6		-	1	4-5.4'					
		100/4							
7									
8									
9									
10									
11									
12									
13									
GRANULAR SOILS			COHESIVE SOILS			VOL. WATER LOST: GAL. DATE WELL DEVELOPED:			
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE: DIAM. SLOT SIZE: 0.010"					
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING N: GB-10	
PROJECT: SEAD, OB GROUND RIFS				JOB NO: 720229-0600				SHEET NO: 1 OF 1	
CLIENT: SENECA ARMY DEPOT				ELEV. DATUM: 1929, NGD				ELEV.(GS): 635.1	
CONTRACTOR: EMPIRE DRILLING				ELEV.(TOC): -				DATE START: 12-10-91	
				DATE FINISH: 12-10-91				DRILLER: JW/LB	
				INSPECTOR: R. GRIFFITHS					
	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS				DATE START	DATE FINISH
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME		
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.25/9.63"	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		3				Olive-Gray SILT, Some +CLAY, Trace +GRAVEL, Trace Fine to Medium SAND	TILL (ML)		
		7			0.0				
2		10							
		13	1.4'	0-2'	0.0				
3		15				3.2'			
		45			0.0				
4		100/4	1.5'	2-3.6'	0.0	GRAY WEATHERED SHALE FILLILE, SOME SILT	WEATHERED SHALE		
5						GRAY SHALE	COMPETENT SHALE		
6									
7									
8									
9									
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS			VOL. WATER LOST: GAL.		DATE WELL DEVELOPED:		
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY		VOC DETECTOR: ORGANIC VAPOR METER				
0-4	V. LOOSE	<2	V.SOFT		WELL PIPE:	DIAM.	SLOT SIZE:	0.010"	
4-10	LOOSE	2-4	SOFT		REMARKS: No Equipment Installed				
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING N: GB-11	
PROJECT: SEAD, OB GROUND RIFS							JOB NO: 720229-0600		
CLIENT: SENECA ARMY DEPOT							SHEET NO: 1 OF 1		
CONTRACTOR: EMPIRE DRILLING							ELEV. DATUM: 1929, NGD		
							ELEV.(OS): 637.8		
							ELEV.(TOC): -		
							DATE START: 12-11-91		
							DATE FINISH: 12-11-91		
							DRILLER: JW/LB		
							INSPECTOR: R. GRIFFITHS		
	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS					
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME		
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.25/9.63"	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		3				Olive-Gray SILT, Some +CLAY, Trace +GRAVEL, Trace Fine to Medium SAND	TILL (ML)		
		7			0.0				
2		10							
		13	1.5'	0-2'	0.0				
3		15				GRAY WEATHERED SHALE, FISSILE, SOME SILT	WEATHERED SHALE		
		45			0.0				
4			1.25	2-4'	0.02				
5					0.04				
6				4-6'	0.04	SPOON REFUSAL, 6'			
7						GRAY SHALE	COMPETENT SHALE		
8									
9									
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS			VOL. WATER LOST: GAL. DATE WELL DEVELOPED:				
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY		VOC DETECTOR: ORGANIC VAPOR METER				
0-4	V. LOOSE	<2	V.SOFT		WELL PIPE: DIAM. SLOT SIZE: 0.010"				
4-10	LOOSE	2-4	SOFT						
10-30	M.DENSE	4-8	M.STIFF		REMARKS: No Equipment Installed				
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING N: GB-12	
PROJECT: SEAD, OB GROUND RIFS							JOB NO: 720229-0600		
CLIENT: SENECA ARMY DEPOT							SHEET NO: 1 OF 1		
CONTRACTOR: EMPIRE DRILLING							ELEV. DATUM: 1929, NGD		
							ELEV.(GS): 622.6		
							ELEV.(TOC): -		
				GROUNDWATER READINGS				DATE START: 12-16-91	
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DATE FINISH: 12-16-91	
TYPE: AUGER SPLIT SPOON -							DRILLER: JW/LB		
SIZE ID/OD: 6.25/9.63" 3" O.D. -							INSPECTOR: R. GRIFFITHS		
HAMMER WEIGHT: - 140 LB -									
HAMMER FALL: - 30 INCH -									
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		3			0.0	Olive-Gray SILT, Some +CLAY, Trace + GRAVEL, Trace Fine to Medium SAND	TILL (ML)		
		10							
2		14		0-2'					
		17							
3		14							
		17							
4		21		2-4'		GRAY WEATHERED SHALE, FISSILE, SOME SILT	WEATHERED SHALE		
		21							
5		15							
		29							
6		67		4-5.7'					
		100/3							
7		63		6-6.7'		REFUSAL 6.7'			
		100/2				GRAY SHALE	COMPETENT SHALE		
8									
9									
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL.		DATE WELL DEVELOPED:			
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR:		ORGANIC VAPOR METER			
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE:		DIAM. SLOT SIZE: 0.010"			
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING N: GB-13					
PROJECT: SEAD, OB GROUND RIFS							JOB NO: 720229-0600						
CLIENT: SENECA ARMY DEPOT							SHEET NO: 1 OF 1						
CONTRACTOR: EMPIRE DRILLING							ELEV. DATUM: 1929, NGD						
							ELEV.(GS): 622.3						
							ELEV.(TOC): -						
				GROUNDWATER READINGS				DATE START: 1-21-92					
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DATE FINISH: 1-21-92					
							DRILLER: JW/LB						
							INSPECTOR: R. GRIFFITHS						
TYPE:	AUGER	SPLIT SPOON	-										
SIZE ID/OD:	6.25/9.63"	3" O.D.	-										
HAMMER WEIGHT:	-	140 LB	-										
HAMMER FALL:	-	30 INCH	-										
SAMPLE													
DEPTH (FT.)	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)	SAMPLE DESCRIPTION			STRATUM DESCRIPTION				
1		8			0.0	Brown - Gray SILT, Some +CLAY, Trace +GRAVEL, Trace Fine to Medium SAND			TILL (ML)				
		16			0.0								
2		11			0.0								
		16	1.5	0-2'	0.0								
3		30			0.0								
		35			0.0								
4		40			0.0	REFUSAL 5.8'			COMPETENT SHALE				
		40	2.0	2-4'	0.0								
5		27			0.0								
		24			0.0								
6		25			0.0								
		100/3	1.8	4-5.8'	0.0								
7						GRAY SHALE			COMPETENT SHALE				
8													
9													
10													
11													
12													
13						VOL. WATER LOST: GAL. DATE WELL DEVELOPED:							
GRANULAR SOILS		COHESIVE SOILS		VOC DETECTOR:						ORGANIC VAPOR METER			
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	WELL PIPE:						DIAM.		SLOT SIZE:	0.010"
0-4	V. LOOSE	<2	V.SOFT	REMARKS: No Equipment Installed									
4-10	LOOSE	2-4	SOFT										
10-30	M.DENSE	4-8	M.STIFF										
30-50	DENSE	8-15	STIFF										
>50	V.DENSE	15-30	V.STIFF										
		>30	HARD										

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING N: GB-14	
PROJECT: SEAD, OB GROUND RIFS							JOB NO: 720229-0600		
CLIENT: SENECA ARMY DEPOT							SHEET NO: 1 OF 1		
CONTRACTOR: EMPIRE DRILLING							ELEV. DATUM: 1929, NGD		
							ELEV.(GS): 627.9		
							ELEV.(TOC): -		
							DATE START: 12-16-91		
							DATE FINISH: 12-16-91		
							DRILLER: JW/LB		
							INSPECTOR: J. PETERS		
	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS					
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME		
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.25/9.63"	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		0				Brown-Gray SILT, Some +CLAY, Little +GRAVEL, Little +Fine to Medium SAND	FILL (ML)		
		6			0.0				
2		9		0-2'	0.0				
		12							
3		7			0.0				
		11							
4		17		2-4'	0.0	Yellow-Brown Fine SAND. Some +SILT, Some +GRAVELS	TILL (GM)		
		39							
5		22			0.0				
		25							
6		29		4-6'	0.0				
		47							
7		38			0.0	GRAY, WEATHERED SHALE, FISSILE, SOME SILT	WEATHERED SHALE		
		50							
8		55		6-8'	0.0				
		54							
9		14			0.0				
		15							
10		28		8-10'	0.0	REFUSAL, 11.7	COMPETENT SHALE		
		49							
11		97		10-11.6'	0.0				
		100/1				GRAY SHALE			
12									
13									
GRANULAR SOILS		COHESIVE SOILS			VOL. WATER LOST: GAL. DATE WELL DEVELOPED:				
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY		VOC DETECTOR: ORGANIC VAPOR METER				
0-4	V. LOOSE	<2	V.SOFT		WELL PIPE: DIAM. SLOT SIZE: 0.010"				
4-10	LOOSE	2-4	SOFT		REMARKS: No Equipment Installed				
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING N:	GB-15
PROJECT: SEAD, OB GROUND RIFS							JOB NO: 720229-0600		
CLIENT: SENECA ARMY DEPOT							SHEET NO: 1 OF 1		
CONTRACTOR: EMPIRE DRILLING							ELEV. DATUM: 1929, NOD		
							ELEV.(GS): 628.4		
							ELEV.(TOC): -		
							DATE START: 1-22-92		
							DATE FINISH: -		
							DRILLER: JW/LB		
							INSPECTOR: R. GRIFFITHS		
	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS					
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME		
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.25/9.63"	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		7				Brown - Gray SILT, Some +CLAY, Little +GRAVEL, Little +Fine to Medium SAND	FILL (ML)		
		10							
2		11							
		16	2'						
3		20							
		24							
4		105				REFUSAL 5.9'	COMPETENT SHALE		
		30	1.5'						
5		16							
		36							
6		42							
		100/4	2'						
7									
8									
9									
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL.		DATE WELL DEVELOPED:			
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE: DIAM.		SLOT SIZE: 0.010"			
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING N: GB-16	
PROJECT: SEAD, OB GROUND RIFS							JOB NO: 720229-0600		
CLIENT: SENECA ARMY DEPOT							SHEET NO: 1 OF 1		
CONTRACTOR: EMPIRE DRILLING							ELEV. DATUM: 1929, NGD		
							ELEV.(GS): 633.9		
							ELEV.(TOC): -		
							DATE START: 1-21-92		
							DATE FINISH: 1-21-92		
							DRILLER: JW/LB		
							INSPECTOR: R. GRIFFITHS		
	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS					
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME		
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.25/9.63"	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		3				Brown-Gray SILT, Some +CLAY, Little +GRAVEL, Little +Fine to Medium SAND	TILL (ML)		
		5			0.0				
2		10							
		15	1.1	0-2'	0.0				
3		16							
		16			0.0				
4		19							
		20	1.9	2-4'	0.0				
5		11							
		15			0.0				
6		22							
		22	1.3	4-6'	0.0				
7		27							
		100/3'	.7	6-6.8'	0.0	REFUSAL 6.8'			
8						GRAY SHALE	COMPETENT SHALE		
9									
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL.		DATE WELL DEVELOPED:			
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE: DIAM.		SLOT SIZE: 0.010"			
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING N:	MW-18
PROJECT: SEAD, OB GROUND RIFS							JOB NO: 720229-0600		
CLIENT: SENECA ARMY DEPOT							SHEET NO: 1 OF 1		
CONTRACTOR: EMPIRE DRILLING							ELEV. DATUM: 1929, NGD		
							ELEV.(GS): 621.5		
							ELEV.(TOC): 623.95		
				GROUNDWATER READINGS				DATE START: 10-29-91	
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DATE FINISH: 10-30-91	
				10-30-91	0840	6.8'	10 MIN	DRILLER: JW/LB	
								INSPECTOR: BILL THOMAS	
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.24/9.63	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
SAMPLE									
DEPTH (FT.)	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)	SAMPLE DESCRIPTION		STRATUM DESCRIPTION	
1		3			0.0	Olive gray SILT, some CLAY trace GRAVEL and fine to medium SAND		Till (ML)	
2		8		0-2'	0.0				
3		12							
4		20							
5		33			0-0	GRAY, WEATHERED SHALE, FISSLE, SOME SILT		WEATHERED SHALE	
6		31							
7		40		2-4'	0-0				
8		35							
9									
10									
11						AUGER REFUSAL 11'			
12						GRAY SHALE		COMPETENT SHALE	
13									
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL. DATE WELL DEVELOPED:					
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE PVC DIAM. 2" SLOT SIZE: 0.010"					
4-10	LOOSE	2-4	SOFT	REMARKS: Weathered Bedrock Monitoring Well Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING N° MW-19					
PROJECT: SEAD, OB GROUND RIFS						JOB NO: 720229-0600		SHEET NO: 1 OF 1					
CLIENT: SENECA ARMY DEPOT						ELEV. DATUM: 1929, NGD		ELEV.(GS): 634.1					
CONTRACTOR: EMPIRE DRILLING						ELEV.(TOC): 636.85		DATE START: 10-30-91					
				GROUNDWATER READINGS				DATE FINISH: 10-30-91					
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DRILLER: JW/LB					
								INSPECTOR: BILL THOMAS					
TYPE:	AUGER	SPLIT SPOON	-										
SIZE ID/OD:	6.24/5.63	3" O.D.	-										
HAMMER WEIGHT:	-	140 LB	-										
HAMMER FALL:	-	30 INCH	-										
SAMPLE													
DEPTH (FT.)	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)	SAMPLE DESCRIPTION		STRATUM DESCRIPTION					
1		8			0.0	Olive Gray SILT, some CLAY, trace GRAVEL and trace fine to medium SAND		TILL (ML)					
		9											
2		13											
		18	2'	0-2'	0.0								
		24											
3		33			0-0	GRAY, WEATHERED SHALE, FISSLE, SOME SILT		WEATHERED SHALE					
		42											
4		42	2'	2-4'	0-0								
		60											
		105			0.0								
6		100/0.4'	1'	4-5'	0.0	AUGER REPUSAL, 7.1'							
7		100/1.1'											
8						GRAY SHALE		COMPETENT SHALE					
9													
10													
11													
12													
13													
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL. DATE WELL DEVELOPED:									
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER									
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE PVC DIAM. 2" SLOT SIZE: 0.010"									
4-10	LOOSE	2-4	SOFT	REMARKS: Overburden Monitoring Well Installed									
10-30	M.DENSE	4-8	M.STIFF										
30-50	DENSE	8-15	STIFF										
>50	V.DENSE	15-30	V.STIFF										
		>30	HARD										

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING N: MW-21			
PROJECT: SEAD, OB GROUND RIFS						JOB NO: 720229-0600					
CLIENT: SENECA ARMY DEPOT						SHEET NO: 1 OF 1					
CONTRACTOR: EMPIRE DRILLING						ELEV. DATUM: 1929, NGD					
						ELEV.(GS): 635.1					
						ELEV.(TOC): 637.92					
						DATE START: 11-1-91					
						DATE FINISH: 11-1-91					
						DRILLER: JW/LB					
						INSPECTOR: BILL THOMAS					
TYPE:	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME				
TYPE:	AUGER	SPLIT SPOON	-								
SIZE ID/OD:	6.24/9.63	3" O.D.	-								
HAMMER WEIGHT:	-	140 LB	-								
HAMMER FALL:	-	30 INCH	-								
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION				
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)						
1		2				OLIVE GRAY SILT, SOME +CLAY, TRACE - 3					
		8				GRAVEL AND TRACE FINE TO MEDIUM SAND	TILL, (ML)				
2		4									
		18	2'	0-2							
3		25									
		40									
4		50									
		110/2'	1.6'	2-3.7		GRAY WEATHERED SHALE, FISSILE, SOME SILT	WEATHERED SHALE				
5											
6											
7											
8											
9											
10											
11											
12											
13											
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL. DATE WELL DEVELOPED:							
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER							
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE	PVC	DIAM. 2"	SLOT SIZE: 0.010"				
4-10	LOOSE	2-4	SOFT	REMARKS: Weathered Bedrock Monitoring Well Installed							
10-30	M.DENSE	4-8	M.STIFF								
30-50	DENSE	8-15	STIFF								
>50	V.DENSE	15-30	V.STIFF								
		>30	HARD								

CHAS. T. MAIN, INC.

TEST BORING REPORT

BORING NC MW-21

PAGE 2 OF 2

DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)		
14						AUGER REFUSED, 14'	WEATHERED SHALE
15						GRAY SHALE	COMPETENT SHALE
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING N°	MW-22	
PROJECT: SEAD, OB GROUND RIFS							JOB NO: 720229-0600			
CLIENT: SENECA ARMY DEPOT							SHEET NO: 1 OF 2			
CONTRACTOR: EMPIRE DRILLING							ELEV. DATUM: 1929, NGD			
							ELEV.(GS): 620.5			
							ELEV.(TOC): 623.23			
				GROUNDWATER READINGS				DATE START: 11-1-91		
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DATE FINISH: 11-4-91		
TYPE: AUGER				SPLIT SPOON		-		DRILLER: JW/LB		
SIZE ID/OD: 6.24/9.63				3" O.D.		-		INSPECTOR: BILL THOMAS		
HAMMER WEIGHT: -				140 LB		-				
HAMMER FALL: -				30 INCH		-				
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION			
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)					
1		3				Olive Gray SILT, Some +CLAY Trace	TILL (ML)			
		6			0.0	+GRAVEL AND TRACE FINE TO MEDIUM SAND				
2		9								
		16	2	0.2'	0.0					
3		50				GRAY WEATHERED SHALE, FISSILE, SOME SILT	WEATHERED SHALE			
		50			0.0					
4		42								
		100/5'	1.9	2-3.9'	0.0					
5										
6										
7										
8										
9										
10										
11										
12										
13										
GRANULAR SOILS		COHESIVE SOILS			VOL. WATER LOST: GAL. DATE WELL DEVELOPED:					
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY		VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT		WELL PIPE	PVC	DIAM.	2"	SLOT SIZE:	0.010"
4-10	LOOSE	2-4	SOFT		REMARKS: Weathered Bedrock Monitoring Well Installed					
10-30	M.DENSE	4-8	M.STIFF							
30-50	DENSE	8-15	STIFF							
>50	V.DENSE	15-30	V.STIFF							
		>30	HARD							

DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	PAGE 2 OF 2
	CASINO BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)		STRATUM DESCRIPTION
14						AUGER REFUSAL, 16'	WEATHERED SHALE
15							
16							
17						GRAY SHALE	COMPETENT SHALE
18							
19							
20							
21							
22							
23							
24							
26							
27							

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING N:	MW-23
PROJECT: SEAD, OB GROUND RIFS							JOB NO: 720229-0600		
CLIENT: SENECA ARMY DEPOT							SHEET NO: 1 OF 1		
CONTRACTOR: EMPIRE DRILLING							ELEV. DATUM: 1929, NGD		
							ELEV.(GS): 620.2		
							ELEV.(TOC): 622.87		
				GROUNDWATER READINGS				DATE START: 11-4-91	
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DATE FINISH: 11-5-91	
				11-5-91	1000	8.8'	15 MIN	DRILLER: JW/LB	
								INSPECTOR: BILL THOMAS	
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.25/9.63	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
SAMPLE									
DEPTH (FT.)	CASING	SAMPLE	RECOVERY	SAMPLE	VOC	SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	BLOWS PER FOOT	BLOWS PER 6 INCHES	(FT.)	DEPTH RANGE	SCREEN (PPM)				
1		3			0.0	Olive Gray SILT, Some +CLAY Trace - GRAVEL and Trace Fine to Medium SAND GRAY WEATHERED SHALE, FISSILE, SOME SILT AUGER REFUSAL, 12.5' GRAY SHALE	TILL (ML) WEATHERED SHALE COMPETENT SHALE		
		5			0.0				
2		12			0.0				
		15	2	0.2'	0.0				
3		25			0.0				
		35			0.0				
4		38			0.0				
		40		2-4'	0.0				
5		100/0.4'	0.4'	4-6'	0.0				
6									
7									
8									
9									
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL. DATE WELL DEVELOPED: 11-5-91					
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE PVC DIAM. 2" SLOT SIZE: 0.010"					
4-10	LOOSE	2-4	SOFT	REMARKS: Weathered Bedrock Monitoring Well Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING N: MW-24				
PROJECT: SEAD, OB GROUND RIFS							JOB NO: 720229-0600					
CLIENT: SENECA ARMY DEPOT							SHEET NO: 1 OF 1					
CONTRACTOR: EMPIRE DRILLING							ELEV. DATUM: 1929, NGD					
							ELEV.(GS): 625.0					
							ELEV.(TOC): 627.34					
				GROUNDWATER READINGS				DATE START: 11-5-91				
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DATE FINISH: 11-5-91				
TYPE: AUGER							SAMPLER: SPLIT SPOON			DRILLER: JW/LB		
SIZE ID/OD: 6.25/9.63							CORE BARREL: -			INSPECTOR: BILL THOMAS		
HAMMER WEIGHT: -							CORE BARREL: -					
HAMMER FALL: -							CORE BARREL: -					
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION					
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)							
1		4				Olive Gray SILT, Some +CLAY with Pieces of Metal and Metal Corrosion Product	FILL					
		17			0.0							
2		19	2	0.2'	0.0							
		21				Olive-Gray SILT, some +CLAY, trace - GRAVEL, and Trace Fine to Medium SAND	FILL (ML)					
3		29										
		31										
		36				GRAY WEATHERED SHALE, FISSILE, SOME SILT	WEATHERED BEDROCK					
4		33		2'								
		19										
5		50				GRAY WEATHERED SHALE, FISSILE, SOME SILT	WEATHERED BEDROCK					
		21										
6		19	2'	4-6'								
		25				GRAY WEATHERED SHALE, FISSILE, SOME SILT	WEATHERED BEDROCK					
7		25										
		37										
8		100/2	1.7'	6-8'		GRAY WEATHERED SHALE, FISSILE, SOME SILT	WEATHERED BEDROCK					
9												
10						GRAY WEATHERED SHALE, FISSILE, SOME SILT	WEATHERED BEDROCK					
11												
12						GRAY WEATHERED SHALE, FISSILE, SOME SILT	WEATHERED BEDROCK					
13												
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL.		DATE WELL DEVELOPED: 12-17-91						
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER								
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE	PVC	DIAM.	2"					
4-10	LOOSE	2-4	SOFT	SLOT SIZE: 0.010"								
10-30	M.DENSE	4-8	M.STIFF	REMARKS: Overburden Monitoring Well Installed								
30-50	DENSE	8-15	STIFF									
>50	V.DENSE	15-30	V.STIFF									
		>30	HARD									

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING N:	MW-25
PROJECT: SEAD, OB GROUND RIFS							JOB NO: 720229-0600		
CLIENT: SENECA ARMY DEPOT							SHEET NO: 1 OF 1		
CONTRACTOR: EMPIRE DRILLING							ELEV. DATUM: 1929, NOD		
							ELEV.(GS): 621.3		
							ELEV.(TOC): 623.68		
				GROUNDWATER READINGS				DATE START: 11-6-91	
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DATE FINISH: 11-6-91	
				11-13-91		9'	48 HRS +	DRILLER: JW/LB	
								INSPECTOR: BILL THOMAS	
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.25/9.63	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
				SAMPLE		SAMPLE DESCRIPTION		STRATUM DESCRIPTION	
DEPTH (FT.)	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		3			0.0	Olive Gray SILT, Some +CLAY, Trace -GRAVEL, and Trace Fine to Medium SAND		TILL (ML)	
		7							
2		12							
		19	1.5'	0.2'	0.0				
		29							
3		42			0.0				
4		52							
		50	2'	2-4'	0.0				
5		100							
		-	1.3'	4-5.5'	0.0				
6		19				5.5'			
		-				GRAY WEATHERED SHALE, FISSILE, SOME SILT		WEATHERED SHALE	
7		20							
		31	1.5'	6.5-8.5'	0.0				
8					0.0				
9		50							
		100/3'	0.6'	9-9.3'	0.0				
10									
11									
12						AUGER REFUSAL, 11.5'			
						GRAY SHALE		COMPETENT SHALE	
13									
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL. DATE WELL DEVELOPED: 12-17-91					
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE PVC DIAM. 2" SLOT SIZE: 0.010"					
4-10	LOOSE	2-4	SOFT	REMARKS: Weathered Bedrock Monitoring Well Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING N: MW-26		
PROJECT: SEAD, OB GROUND RIFS						JOB NO: 720229-0600				
CLIENT: SENECA ARMY DEPOT						SHEET NO: 1 OF 1				
CONTRACTOR: EMPIRE DRILLING						ELEV. DATUM: 1929, NGD				
						ELEV.(GS): 621.4				
						ELEV.(TOC): 624.34				
						DATE START: 11-7-91				
						DATE FINISH: 11-7-91				
						DRILLER: JW/LB				
						INSPECTOR: BILL THOMAS				
	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS						
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME			
TYPE:	AUGER	SPLIT SPOON	-							
SIZE ID/OD:	6.25/9.63	3" O.D.	-							
HAMMER WEIGHT:	-	140 LB	-							
HAMMER FALL:	-	30 INCH	-							
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION			
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)					
1		3				Olive Gray SILT, Some +CLAY, Trace - GRAVEL, and Trace Fine to Medium SAND	TILL (ML)			
		4								
2		13								
		21	1.5'	0.2'	0.0					
3		35								
		77								
4		63								
		61	1.7'	2-4'	0.0					
5		16								
		42								
6		55						GRAY WEATHERED SHALE, FISSILE, SOME SILT	WEATHERED SHALE	
		70	2'	4-6'	0.0					
7										
8										
9										
10										
11										
12										
13										
GRANULAR SOILS		COHESIVE SOILS			VOL. WATER LOST: GAL.		DATE WELL DEVELOPED:			
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER						
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE	PVC	DIAM.	2"			SLOT SIZE: 0.010"
4-10	LOOSE	2-4	SOFT	REMARKS: Overburden Monitoring Well Installed						
10-30	M.DENSE	4-8	M.STIFF							
30-50	DENSE	8-15	STIFF							
>50	V.DENSE	15-30	V.STIFF							
		>30	HARD							

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING N°	MW-27
PROJECT: SEAD, OB GROUND RIFS							JOB NO: 720229-0600		
CLIENT: SENECA ARMY DEPOT							SHEET NO: 1 OF 1		
CONTRACTOR: EMPIRE DRILLING							ELEV. DATUM: 1929, NOD		
							ELEV.(OS): 623.5		
							ELEV.(TOC): 625.84		
				GROUNDWATER READINGS				DATE START: 11-7-91	
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DATE FINISH: 11-8-91	
TYPE: AUGER SPLIT SPOON -							DRILLER: JW/LB		
SIZE ID/OD: 6.25/9.63 3" O.D. -							INSPECTOR: BILL THOMAS		
HAMMER WEIGHT: - 140 LB -									
HAMMER FALL: - 30 INCH -									
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		3				Olive Gray SILT, Some +CLAY, Trace - GRAVEL, and Trace Fine to Medium SAND	TILL (ML)		
		11			0.0				
2		16							
		22	1.75'		0.0				
3		43							
		63			0.0				
4		60				4.5' GRAY WEATHERED SHALE, FISSILE, SOME SILT	WEATHERED SHALE		
		73	2'		0.0				
5		19							
		20			0.0				
6		25							
		55	2'		0.0				
7									
8									
9									
10									
11									
12									
13						AUGER REFUSAL, 12.7			
						GRAY SHALE	COMPETENT SHALE		
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL. DATE WELL DEVELOPED: 12-17-91					
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE	PVC	DIAM. 2"	SLOT SIZE: 0.010"		
4-10	LOOSE	2-4	SOFT	REMARKS: Weathered Bedrock Monitoring Well Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING N: MW-28		
PROJECT: SEAD, OB GROUND RIFS						JOB NO: 720229-0600		SHEET NO: 1 OF 1		
CLIENT: SENECA ARMY DEPOT						ELEV. DATUM: 1929, NGD		ELEV.(GS): 629.3		
CONTRACTOR: EMPIRE DRILLING						ELEV.(TOC): 631.78		DATE START: 11-8-91		
				GROUNDWATER READINGS				DATE FINISH: 11-13-91		
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DRILLER: JW/LB		
								INSPECTOR: BILL THOMAS		
TYPE:	AUGER	SPLIT SPOON	-							
SIZE ID/OD:	6.25/9.63	3" O.D.	-							
HAMMER WEIGHT:	-	140 LB	-							
HAMMER FALL:	-	30 INCH	-							
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION			
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)					
1		3				Olive Gray SILT, Some +CLAY, Trace Fine to Medium SAND	TILL (ML)			
		5			0.0					
2		12								
		19	2	0-2'	0.0					
3		23								
		35			0.0					
4		42								
		46	2'	2-4'	0.0					
5		27								
		33			0.0					
6		35								
		31	2'	4.5-6.5	0.0					
7										
			2'	6.5-8.5	0.0					
8										
			0.9'	8.5-9.4	0.0					
9						8.5' GRAY WEATHERED SHALE, FISSILE, SOME SILT	WEATHERED SHALE			
10						9.4' GRAY SHALE	COMPETENT SHALE			
11										
12										
13										
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL.		DATE WELL DEVELOPED: 12-19-91				
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER						
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE	PVC	DIAM. 2"	SLOT SIZE: 0.010"			
4-10	LOOSE	2-4	SOFT	REMARKS: Weathered Bedrock Monitoring Well Installed						
10-30	M.DENSE	4-8	M.STIFF							
30-50	DENSE	8-15	STIFF							
>50	V.DENSE	15-30	V.STIFF							
		>30	HARD							

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING N°	MW-29
PROJECT: SEAD, OB GROUND RIFS							JOB NO: 720229-0600		
CLIENT: SENECA ARMY DEPOT							SHEET NO: 1 OF 1		
CONTRACTOR: EMPIRE DRILLING							ELEV. DATUM: 1929, NGD		
							ELEV.(GS): 629.4		
							ELEV.(TOC): 632.13		
				GROUNDWATER READINGS				DATE START: 11-13-91	
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DATE FINISH: 11-13-91	
TYPE: AUGER SPLIT SPOON -							DRILLER: JW/LB		
SIZE ID/OD: 6.25/9.63 3" O.D. -							INSPECTOR: BILL THOMAS		
HAMMER WEIGHT: - 140 LB -									
HAMMER FALL: - 30 INCH -									
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		2				Olive Gray SILT, Some +CLAY, Trace Fine to Medium SAND	TILL (ML)		
		4			0.0				
2		7							
		17	2	0-2'	0.0				
3		18			0.0				
		22							
4		31							
		-	1.7'	2-3.7'	0.0				
5									
		37							
6		49			0.0				
		48							
7		45	2'	5.5-7.5'	0.0				
		57							
8		39		7.75-9.5'	0.0	7.75	GRAY WEATHERED SHALE, FISSILE, SOME SILT	WEATHERED SHALE	
		20							
9		39			0.0				
		50							
10		100/1"		9.5-10.6'	0.0				
						10.5	GRAY SHALE	COMPETENT SHALE	
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS			VOL. WATER LOST: GAL. DATE WELL DEVELOPED: 12-18-91				
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE PVC DIAM. 2" SLOT SIZE: 0.010"					
4-10	LOOSE	2-4	SOFT	REMARKS: Overburden Monitoring Well Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING N:	MW-30
PROJECT: SEAD, OB GROUND RIFS							JOB NO: 720229-0600		
CLIENT: SENECA ARMY DEPOT							SHEET NO: 1 OF 1		
CONTRACTOR: EMPIRE DRILLING							ELEV. DATUM: 1929, NGD		
							ELEV.(OS): 625.6		
							ELEV.(TOC): 627.96		
				GROUNDWATER READINGS				DATE START: 11-14-91	
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DATE FINISH: 11-15-91	
							DRILLER: JW/LB		
							INSPECTOR: BILL THOMAS		
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.25/9.63	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
				SAMPLE		SAMPLE DESCRIPTION		STRATUM DESCRIPTION	
DEPTH (FT.)	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		1			0.0	Olive Gray SILT, Some +CLAY, Trace +GRAVELS		FILL	
		3							
2		5							
		7	2	0-2'		2.25'			
3		5				PARTIALLY DECOMPOSED VEGETATION			
		7				2.75'			
4		8				Olive Gray SILT, Some +CLAY, Trace +GRAVEL and Trace Fine to Medium SAND		TILL (ML)	
		8	2'	2-4'					
5		6							
		5							
6		8							
		8	2'	4-6					
7		6							
		6							
8		6							
		14	2'	6-8'		8.0'			
9		48				GRAY WEATHERED SHALE, FISSILE, SOME SILT		WEATHERED SHALE	
		100/0.2	0.7	8-8.7'					
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL. DATE WELL DEVELOPED: 12-17-91					
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE PVC DIAM. 2" SLOT SIZE: 0.010"					
4-10	LOOSE	2-4	SOFT	REMARKS: Weathered Bedrock Monitoring Well Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING N: MW-31	
PROJECT: SEAD, OB GROUND RIFS						JOB NO: 720229-0600			
CLIENT: SENECA ARMY DEPOT						SHEET NO: 1 OF 1			
CONTRACTOR: EMPIRE DRILLING						ELEV. DATUM: 1929, NGD			
						ELEV.(GS): 632.1			
						ELEV.(TOC): 634.66			
				GROUNDWATER READINGS				DATE START: 11-15-91	
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DATE FINISH: 11-18-91	
TYPE: AUGER						SAMPLER: SPLIT SPOON			
SIZE ID/OD: 6.25/9.63						CORE BARREL: -			
HAMMER WEIGHT: -						HAMMER FALL: -			
HAMMER FALL: -						HAMMER WEIGHT: 140 LB			
HAMMER FALL: -						HAMMER WEIGHT: 30 INCH			
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		2				Olive Gray SILT, Some +CLAY, Trace - GRAVELS and Trace Fine to Medium SAND	TILL (ML)		
		4			0.0				
2		10							
		17	2	0-2'	0.0				
3		23				GRAY WEATHERED SHALE, FISSILE, SOME SILT	WEATHERED SHALE		
		32			0.0				
4		47							
		50	2'	2-4'	0.0				
5		64				4.5'			
		100/0.2		4-4.5'	0.0	GRAY SHALE	COMPETENT SHALE		
6									
7									
8									
9									
10									
11									
12									
13									
GRANULAR SOILS			COHESIVE SOILS		VOL. WATER LOST: GAL. DATE WELL DEVELOPED: 12-18-91				
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY		VOC DETECTOR: ORGANIC VAPOR METER				
0-4	V. LOOSE	<2	V.SOFT		WELL PIPE	PVC	DIAM. 2"	SLOT SIZE: 0.010"	
4-10	LOOSE	2-4	SOFT						
10-30	M.DENSE	4-8	M.STIFF		REMARKS: Weathered Bedrock Monitoring Well Installed				
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING N:	MW-32
PROJECT: SEAD, OB GROUND RIFS							JOB NO: 720229-0600		
CLIENT: SENECA ARMY DEPOT							SHEET NO: 1 OF 1		
CONTRACTOR: EMPIRE DRILLING							ELEV. DATUM: 1929, NGD		
							ELEV.(GS): 632.6		
							ELEV.(TOC): 634.83		
				GROUNDWATER READINGS				DATE START: 11-19-91	
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DATE FINISH: 11-19-91	
TYPE: AUGER SPLIT SPOON -				11-19-91	1106	NO WATER	10 MIN	DRILLER: JW/LB	
SIZE ID/OD: 6.25/9.63 3" O.D. -								INSPECTOR: BILL THOMAS	
HAMMER WEIGHT: - 140 LB -									
HAMMER FALL: - 30 INCH -									
				SAMPLE			SAMPLE DESCRIPTION	STRATUM DESCRIPTION	
DEPTH (FT.)	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		4				Olive Gray SILT, Some +Clay, Little +GRAVELS and Trace Fine to Medium Sand	TILL (ML)		
		6			0.0				
2		8							
		13	2	0-2'	0.0				
3		13				GRAY WEATHERED SHALE, FISSILE, SOMB SILT	WEATHERED SHALE		
		50			0.0				
4		56							
		83	2'	2-4'	0.0				
5		100/0.5	0.5'	5-5.5'	0.0				
						5.5'			
6						GRAY SHALE	COMPETENT SHALE		
7									
8									
9									
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL. DATE WELL DEVELOPED: 12-18-91					
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE PVC DIAM. 2" SLOT SIZE: 0.010"					
4-10	LOOSE	2-4	SOFT	REMARKS: Weathered Bedrock Monitoring Well Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING N:	MW-33
PROJECT: SEAD, OB GROUND RIFS							JOB NO: 720229-0600		
CLIENT: SENECA ARMY DEPOT							SHEET NO: 1 OF 1		
CONTRACTOR: EMPIRE DRILLING							ELEV. DATUM: 1929, NGD		
							ELEV.(GS):		
							ELEV.(TOC):		
				GROUNDWATER READINGS				DATE START: 11-19-91	
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DATE FINISH: 11-19-91	
TYPE: - SPLIT SPOON -						NONE		DRILLER: JW/LB	
SIZE ID/OD: - 3" O.D. -								INSPECTOR: RICH GRIFFIN	
HAMMER WEIGHT: - 140 LB -									
HAMMER FALL: - 30 INCH -									
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		2				Olive Gray SILT, Some +CLAY, Trace +GRAVELS and Trace Fine to Medium SAND	TILL (ML)		
		4			0.0				
2		8							
		8	2	0-2'	0.0	GRAY WEATHERED SHALE, FISSILE, SOME SILT	WEATHERED SHALE		
3		9							
		24			0.0				
4		40							
		60	2'	2-4'	0.0				
5		1000.5	0.5'	5-5.5'	0.0				
6									
7									
8									
9									
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS			VOL. WATER LOST: GAL. DATE WELL DEVELOPED:				
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY		VOC DETECTOR: ORGANIC VAPOR METER				
0-4	V. LOOSE	<2	V.SOFT		WELL PIPE	PVC	DIAM. 2"	SLOT SIZE: 0.010"	
4-10	LOOSE	2-4	SOFT		REMARKS: BORING TOO SHALLOW TO INSTALL OVERBURDEN WELL. GROUTED AND ABANDONED.				
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING N:	MW-34
PROJECT: SEAD, OB GROUND RIFS							JOB NO: 720229-0600		
CLIENT: SENECA ARMY DEPOT							SHEET NO: 1 OF 1		
CONTRACTOR: EMPIRE DRILLING							ELEV. DATUM: 1929, NGD		
							ELEV.(GS): 638.2		
							ELEV.(TOC): 640.33		
				GROUNDWATER READINGS				DATE START: 11-20-91	
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DATE FINISH: 11-22-91	
						NONE		DRILLER: JW/LB	
								INSPECTOR: RICH GRIFFIN	
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.25/9.63"	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
SAMPLE									
DEPTH (FT.)	CASING	SAMPLE	RECOVERY	SAMPLE	VOC	SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	BLOWS PER FOOT	BLOWS PER 6 INCHES	(FT.)	DEPTH RANGE	SCREEN (PPM)				
1		4			0.0	Olive Brown Gray SILT, Some +CLAY, Trace +GRAVELS and Trace Fine to Medium SAND		TILL (ML)	
		5							
2		8	1.5	0-2'	0.0				
		12							
3		25			0.0	GRAY WEATHERED SHALE, FISSILE, SOME SILT		WEATHERED SHALE	
		36							
4		56	2'	2-4'	0.0	GRAY SHALE		COMPETENT SHALE	
		86							
5		9			0.0				
		56							
6		100/0.5	1.0'	4-5.5	0.0				
7									
8									
9									
10									
11									
12									
13									
GRANULAR SOILS			COHESIVE SOILS			VOL. WATER LOST: GAL. DATE WELL DEVELOPED: DRY			
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE PVC DIAM. 2" SLOT SIZE: 0.010"					
4-10	LOOSE	2-4	SOFT	REMARKS: Background Overburden Monitoring Well Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING N. MW-35		
PROJECT: SEAD, OB GROUND RIFS							JOB NO: 720229-0600			
CLIENT: SENECA ARMY DEPOT							SHEET NO: 1 OF 1			
CONTRACTOR: EMPIRE DRILLING							ELEV. DATUM: 1929, NGD			
							ELEV.(OS): 638.5			
							ELEV.(TOC): 641.15			
				GROUNDWATER READINGS				DATE START: 12-20-91		
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DATE FINISH: 12-20-91		
						DRY		DRILLER: JW/LB		
								INSPECTOR: RICH GRIFFIN		
TYPE:	AUGER	SPLIT SPOON	-							
SIZE ID/OD:	6.25/9.63"	3" O.D.	-							
HAMMER WEIGHT:	-	140 LB	-							
HAMMER FALL:	-	30 INCH	-							
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION			
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)					
1										
2										
3						Brown-Gray SILT, Some +CLAY, Little +GRAVELS, and Trace Fine to Medium SAND	TILL (ML)			
4										
5		40								
		43				0.0				
6		34				Dark Gray SILT, Some +CLAY, and -GRAVEL, Trace Fine to Medium SAND				
		65	2'	4-6		0.0				
7		50				GRAY WEATHERED SHALE, FISSILE, SOME SILT	WEATHERED SHALE			
		100/5	.9'	6-6.5'		0.0	COMPETENT SHALE			
8										
9										
10										
11										
12										
13										
GRANULAR SOILS		COHESIVE SOILS			VOL. WATER LOST: GAL.		DATE WELL DEVELOPED: 12-21-91			
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY		VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT		WELL PIPE PVC DIAM. 2"		SLOT SIZE: 0.010"			
4-10	LOOSE	2-4	SOFT		REMARKS: AUGERED TO 4' BEFORE DRIVING FIRST SPLIT SPOON BACKGROUND WEATHERED BEDROCK MONITORING WELL INSTALLED					
10-30	M.DENSE	4-8	M.STIFF							
30-50	DENSE	8-15	STIFF							
>50	V.DENSE	15-30	V.STIFF							
		>30	HARD							

APPENDIX D
GEOPHYSICAL ANOMALY EXCAVATION LOGS

CHAS. T. MAIN, INC.	TEST PIT REPORT	TEST PIT NO. <u>GAE-J-1</u>
PROJECT: <u>Seneca Army Depot OB Grounds</u>		JOB NO. <u>--</u>
CLIENT: <u>U.S. Army Corp of Engineers</u>		ELEVATION: <u>--</u>
CONTRACTOR: <u>HFA</u>		EXPLORATION DATE: <u>12-2-91</u>
EQUIPMENT USED: <u>Case 480 Backhoe</u>		INSPECTOR: <u>AG</u>

SCALE IN FEET	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA CHANGE	DESCRIPTION OF MATERIALS	REMARKS
0.8'	--	--	--	Broken Shale (Fill)	
2	GAE-J-1	1.0'		Gray Silty Clay Loam (Till) 10" Cobble at 1' No Ordnance Encountered	
3'				3' Bottom of Exploration	
4					
6					
8					
10					
12					

GROUNDWATER			TEST PIT DIMENSIONS <u>10'</u> (L) <u>5'</u> (W) <u>3'</u> (D)	SUMMARY
DATE	TIME	DEPTH/FT,		DEPTH: <u>3'</u>
				NO. SAMPLES: <u>1'</u>
				GROUNDWATER: <u>--</u>
				TEST PIT NO. _____
NOT ENCOUNTERED				

CHAS. T. MAIN, INC.	TEST PIT REPORT	TEST PIT NO. GAE-G-1
PROJECT: <u>Seneca Army Depot OB Grounds</u>	CLIENT: <u>U.S. Army Corp of Engineer</u>	JOB NO. _____
CONTRACTOR: <u>HFA</u>	EQUIPMENT USED: <u>Case 480 Backhoe</u>	ELEVATION: <u>--</u>
		EXPLORATION DATE: <u>12-3-91</u>
		INSPECTOR: <u>AG</u>

SCALE IN FEET	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA CHANGE	DESCRIPTION OF MATERIALS	REMARKS
1.5'	--	--	--	Broken Shale (Fill)	Water at 3' Depth
2	GAE-G-1	2'		Gray Silty Clay Loam (Till), No Ordnance Encountered	
4					
5'				5' Bottom of Exploration	
6					
8					
10					
12					

GROUNDWATER			TEST PIT DIMENSIONS <u>10</u> (L) <u>5</u> (W) <u>5</u> (D)	SUMMARY
DATE	TIME	DEPTH/FT.		DEPTH: <u>5'</u>
				NO. SAMPLES: <u>1</u>
				GROUNDWATER: <u>--</u>
NOT ENCOUNTERED				TEST PIT NO. _____

CHAS. T. MAIN, INC.	TEST PIT REPORT	TEST PIT NO. <u>GAE-G-2</u>
PROJECT: <u>Seneca Army Depot OB Grounds</u>	JOB NO. _____	
CLIENT: <u>U.S. Army Corps of Engineers</u>	ELEVATION: <u> -- </u>	
CONTRACTOR: <u>HFA</u>	EXPLORATION DATE: <u>12-2-91</u>	
EQUIPMENT USED: <u>Case 480 Backhoe</u>	INSPECTOR: <u>AG</u>	

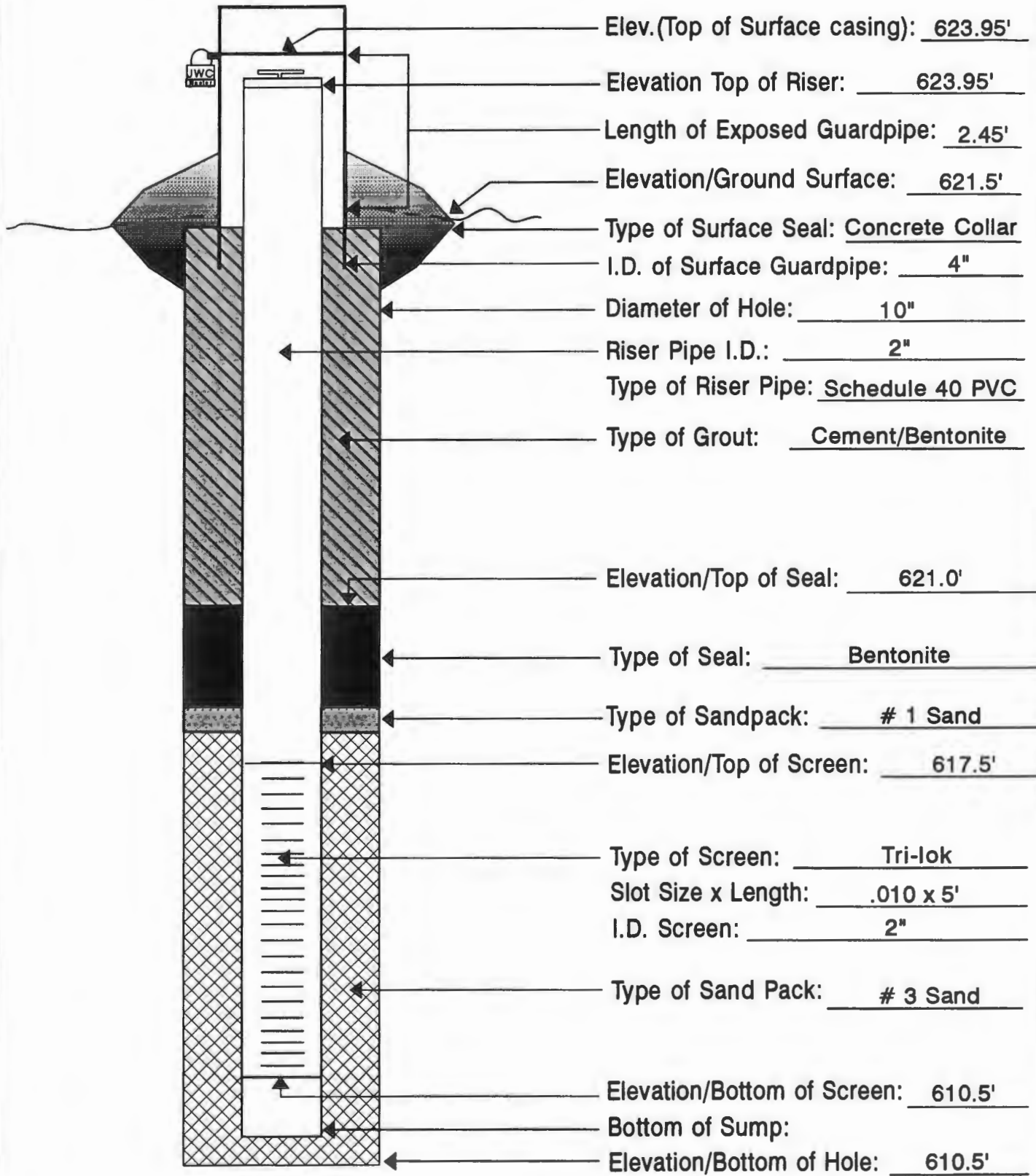
SCALE IN FEET	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA CHANGE	DESCRIPTION OF MATERIALS	REMARKS
1.5	--	--	--	Broken Shale (Fill)	
2				Metal Hinges, Nails, Etc.	
4	GAE-G-2	2.0'		Gray, Silty Clay Loam (Till) 6" Cobbles Observed at 3' No ordnance Encountered	
5					
6				5' Bottom of Exploration	
8					
10					
12					

GROUNDWATER			TEST PIT DIMENSIONS <u>20'</u> (L) <u>5'</u> (W) <u>5'</u> (D)	SUMMARY
DATE	TIME	DEPTH/FT.		DEPTH: <u>5</u>
				NO. SAMPLES: <u>1</u>
				GROUNDWATER: <u>--</u>
				TEST PIT NO. _____
NOT ENCOUNTERED				

APPENDIX E
MONITORING WELL INSTALLATION DIAGRAMS

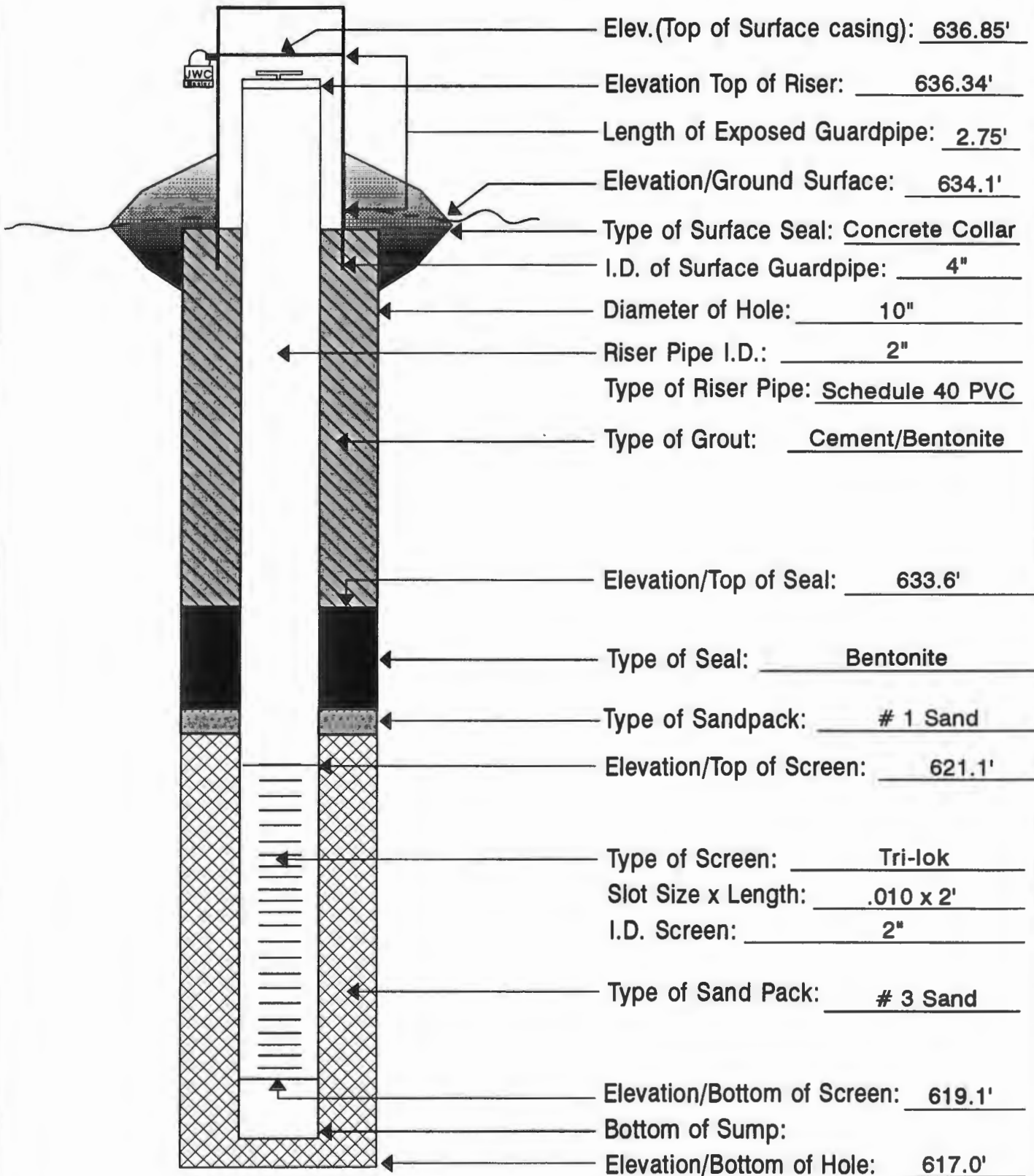
WEATHERED BEDROCK MONITORING WELL

Project	Seneca Army Depot	Driller	Empire Soils, Inc.
Location	OB/OD Grounds (MW-18)	Drilling Method	Hollow Stem Auger
Date	October 30, 1991	Development Method	Teflon Bailer



OVERBURDEN MONITORING WELL

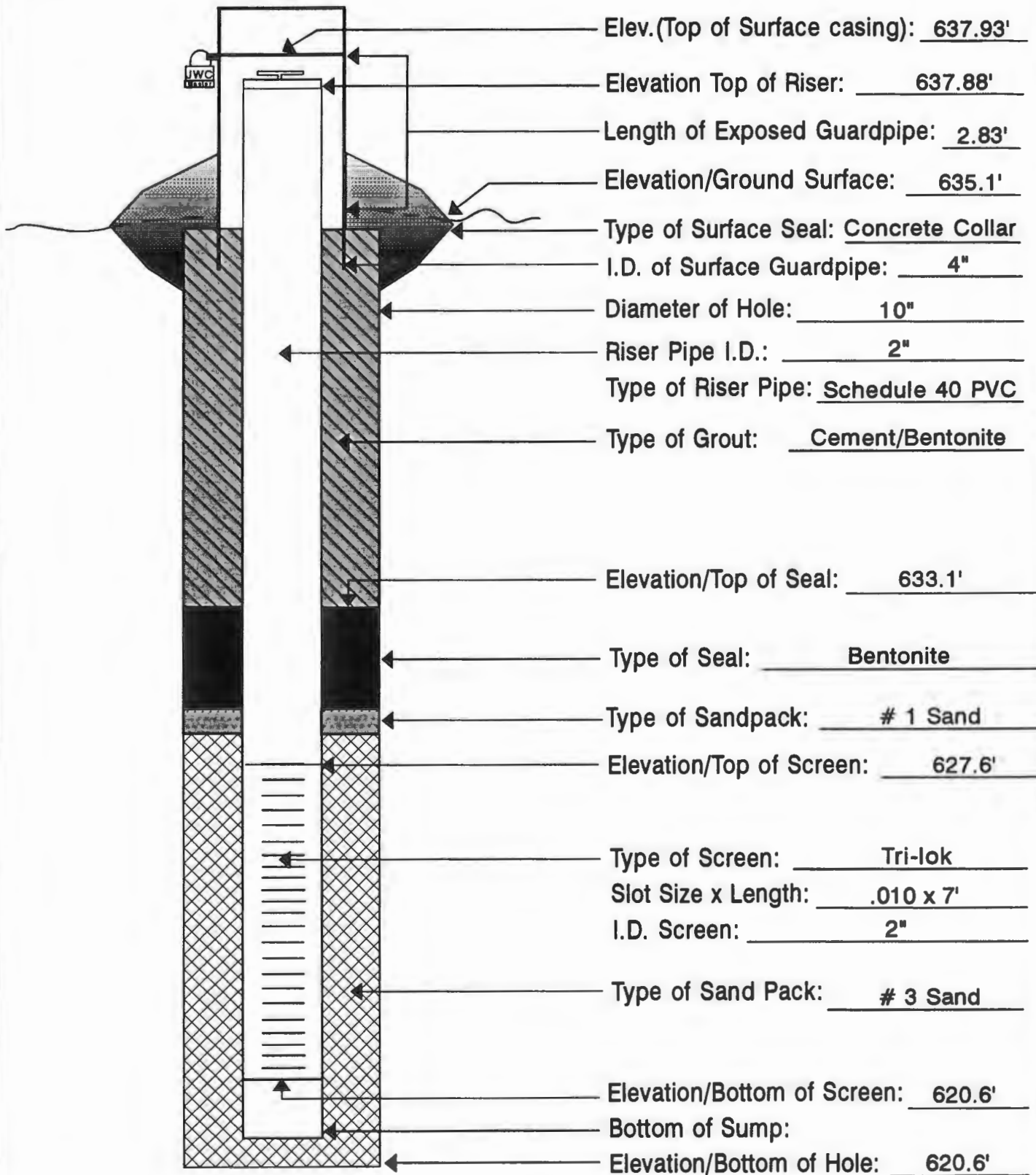
Project	Seneca Army Depot	Driller	Empire Soils, Inc.
Location	OB/OD Grounds (MW-19)	Drilling Method	Hollow Stem Auger
Date	October 31, 1991	Development Method	Teflon Bailer



- Elev.(Top of Surface casing): 636.85'
- Elevation Top of Riser: 636.34'
- Length of Exposed Guardpipe: 2.75'
- Elevation/Ground Surface: 634.1'
- Type of Surface Seal: Concrete Collar
- I.D. of Surface Guardpipe: 4"
- Diameter of Hole: 10"
- Riser Pipe I.D.: 2"
- Type of Riser Pipe: Schedule 40 PVC
- Type of Grout: Cement/Bentonite
- Elevation/Top of Seal: 633.6'
- Type of Seal: Bentonite
- Type of Sandpack: # 1 Sand
- Elevation/Top of Screen: 621.1'
- Type of Screen: Tri-lok
- Slot Size x Length: .010 x 2'
- I.D. Screen: 2"
- Type of Sand Pack: # 3 Sand
- Elevation/Bottom of Screen: 619.1'
- Bottom of Sump:
- Elevation/Bottom of Hole: 617.0'

WEATHERED BEDROCK MONITORING WELL

Project	Seneca Army Depot	Driller	Empire Soils, Inc.
Location	OB/OD Grounds (MW-21)	Drilling Method	Hollow Stem Auger
Date	December 14, 1991	Development Method	Teflon Bailer



Elev.(Top of Surface casing): 637.93'

Elevation Top of Riser: 637.88'

Length of Exposed Guardpipe: 2.83'

Elevation/Ground Surface: 635.1'

Type of Surface Seal: Concrete Collar

I.D. of Surface Guardpipe: 4"

Diameter of Hole: 10"

Riser Pipe I.D.: 2"

Type of Riser Pipe: Schedule 40 PVC

Type of Grout: Cement/Bentonite

Elevation/Top of Seal: 633.1'

Type of Seal: Bentonite

Type of Sandpack: # 1 Sand

Elevation/Top of Screen: 627.6'

Type of Screen: Tri-lok

Slot Size x Length: .010 x 7'

I.D. Screen: 2"

Type of Sand Pack: # 3 Sand

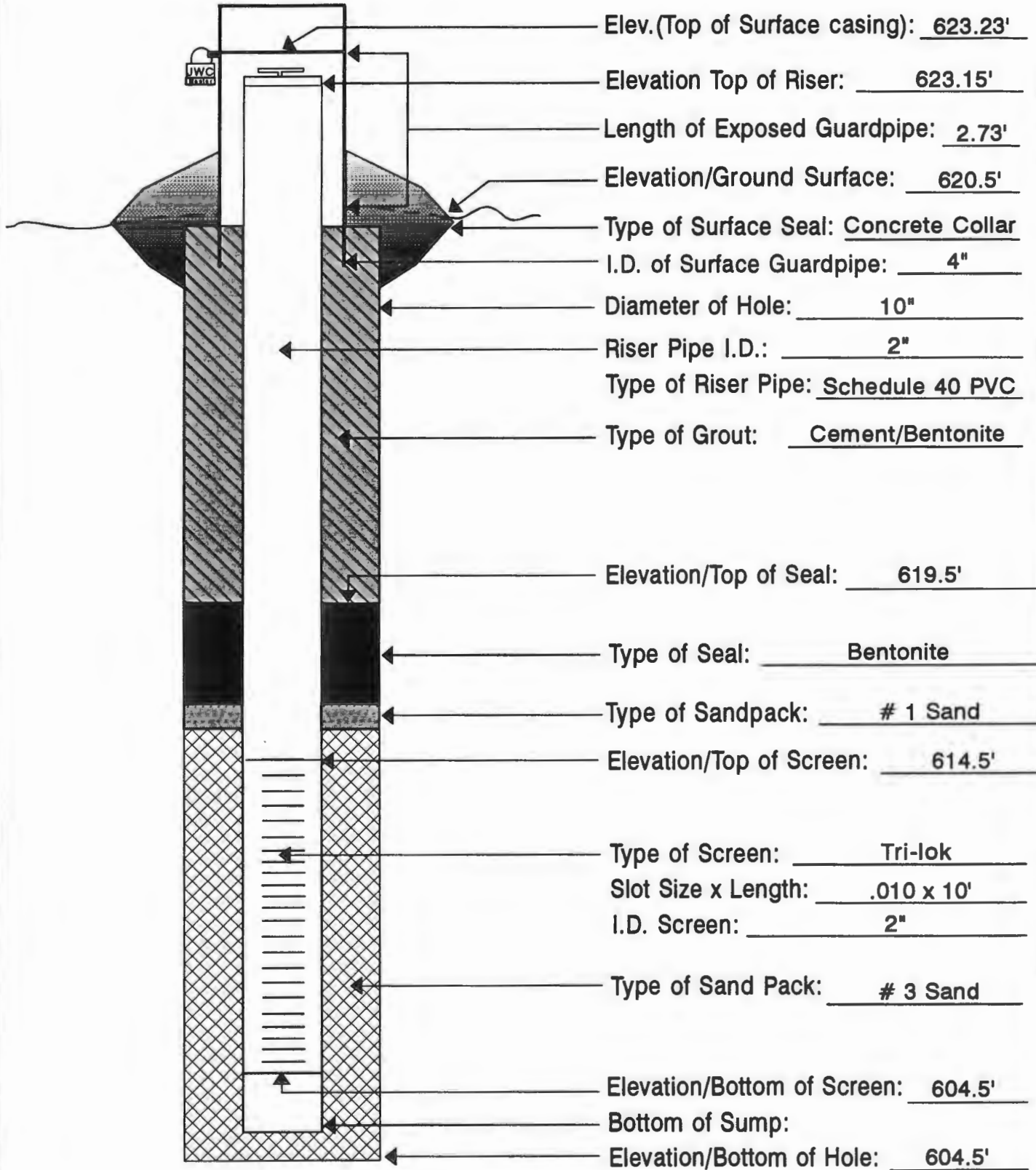
Elevation/Bottom of Screen: 620.6'

Bottom of Sump:

Elevation/Bottom of Hole: 620.6'

WEATHERED BEDROCK MONITORING WELL

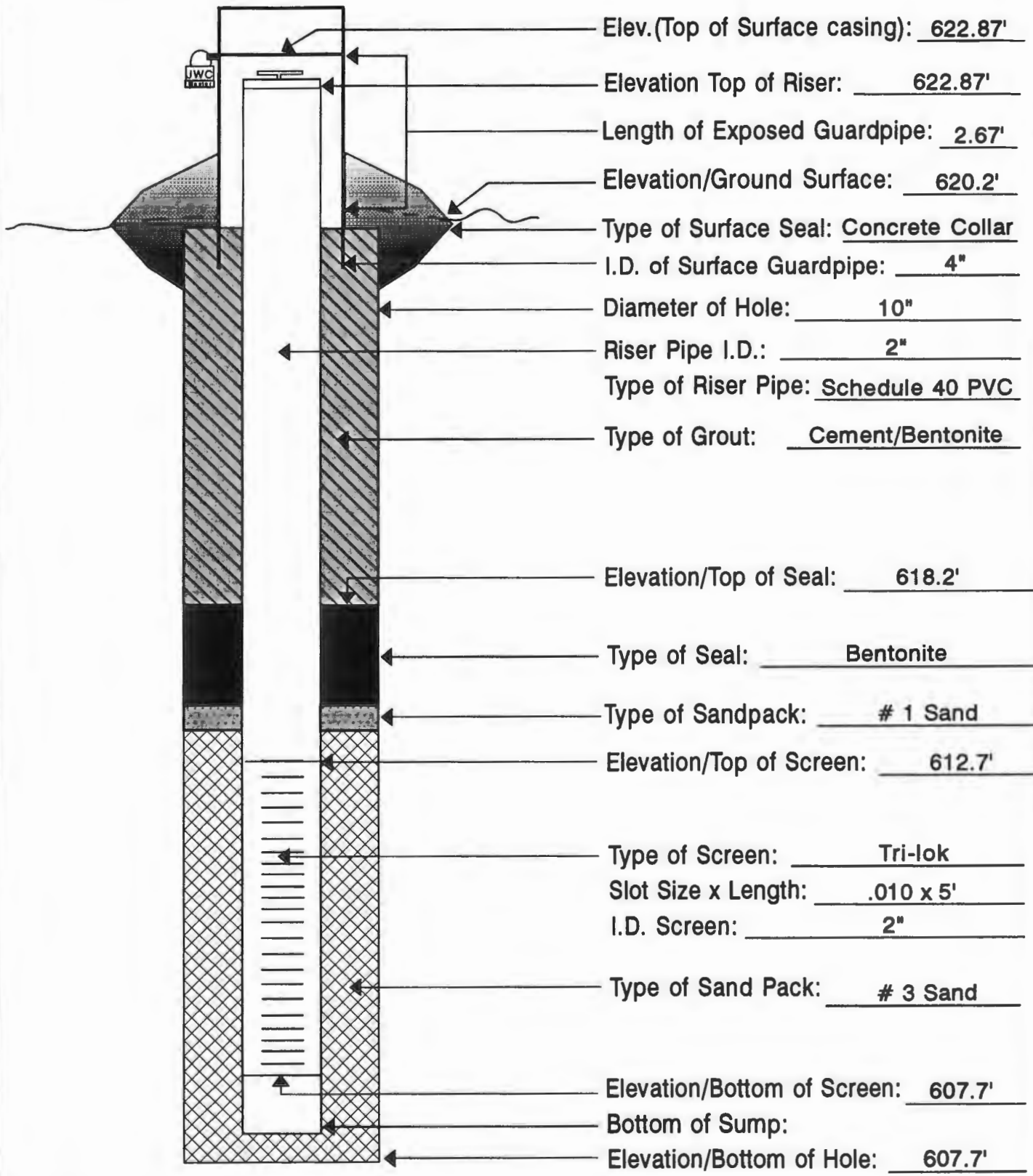
Project	Seneca Army Depot	Driller	Empire Soils, Inc.
Location	OB/OD Grounds (MW-22)	Drilling Method	Hollow Stem Auger
Date	November 4, 1991	Development Method	Teflon Bailer



Elev.(Top of Surface casing): 623.23'
 Elevation Top of Riser: 623.15'
 Length of Exposed Guardpipe: 2.73'
 Elevation/Ground Surface: 620.5'
 Type of Surface Seal: Concrete Collar
 I.D. of Surface Guardpipe: 4"
 Diameter of Hole: 10"
 Riser Pipe I.D.: 2"
 Type of Riser Pipe: Schedule 40 PVC
 Type of Grout: Cement/Bentonite
 Elevation/Top of Seal: 619.5'
 Type of Seal: Bentonite
 Type of Sandpack: # 1 Sand
 Elevation/Top of Screen: 614.5'
 Type of Screen: Tri-lok
 Slot Size x Length: .010 x 10'
 I.D. Screen: 2"
 Type of Sand Pack: # 3 Sand
 Elevation/Bottom of Screen: 604.5'
 Bottom of Sump:
 Elevation/Bottom of Hole: 604.5'

WEATHERED BEDROCK MONITORING WELL

Project	Seneca Army Depot	Driller	Empire Soils, Inc.
Location	OB/OD Grounds (MW-23)	Drilling Method	Hollow Stem Auger
Date	November 5, 1991	Development Method	Teflon Bailer



Elev.(Top of Surface casing): 622.87'

Elevation Top of Riser: 622.87'

Length of Exposed Guardpipe: 2.67'

Elevation/Ground Surface: 620.2'

Type of Surface Seal: Concrete Collar

I.D. of Surface Guardpipe: 4"

Diameter of Hole: 10"

Riser Pipe I.D.: 2"

Type of Riser Pipe: Schedule 40 PVC

Type of Grout: Cement/Bentonite

Elevation/Top of Seal: 618.2'

Type of Seal: Bentonite

Type of Sandpack: # 1 Sand

Elevation/Top of Screen: 612.7'

Type of Screen: Tri-lok

Slot Size x Length: .010 x 5'

I.D. Screen: 2"

Type of Sand Pack: # 3 Sand

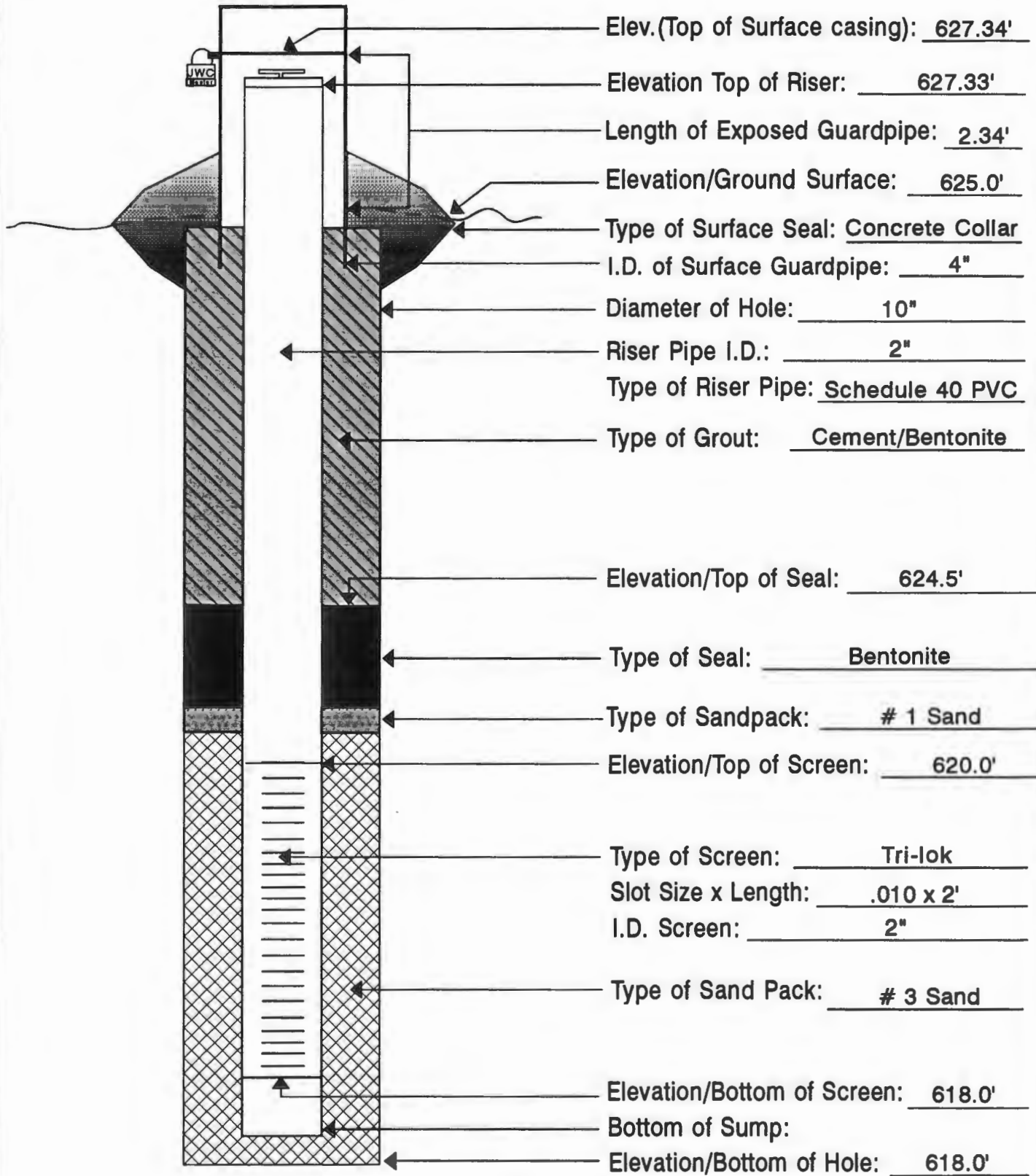
Elevation/Bottom of Screen: 607.7'

Bottom of Sump:

Elevation/Bottom of Hole: 607.7'

OVERBURDEN MONITORING WELL

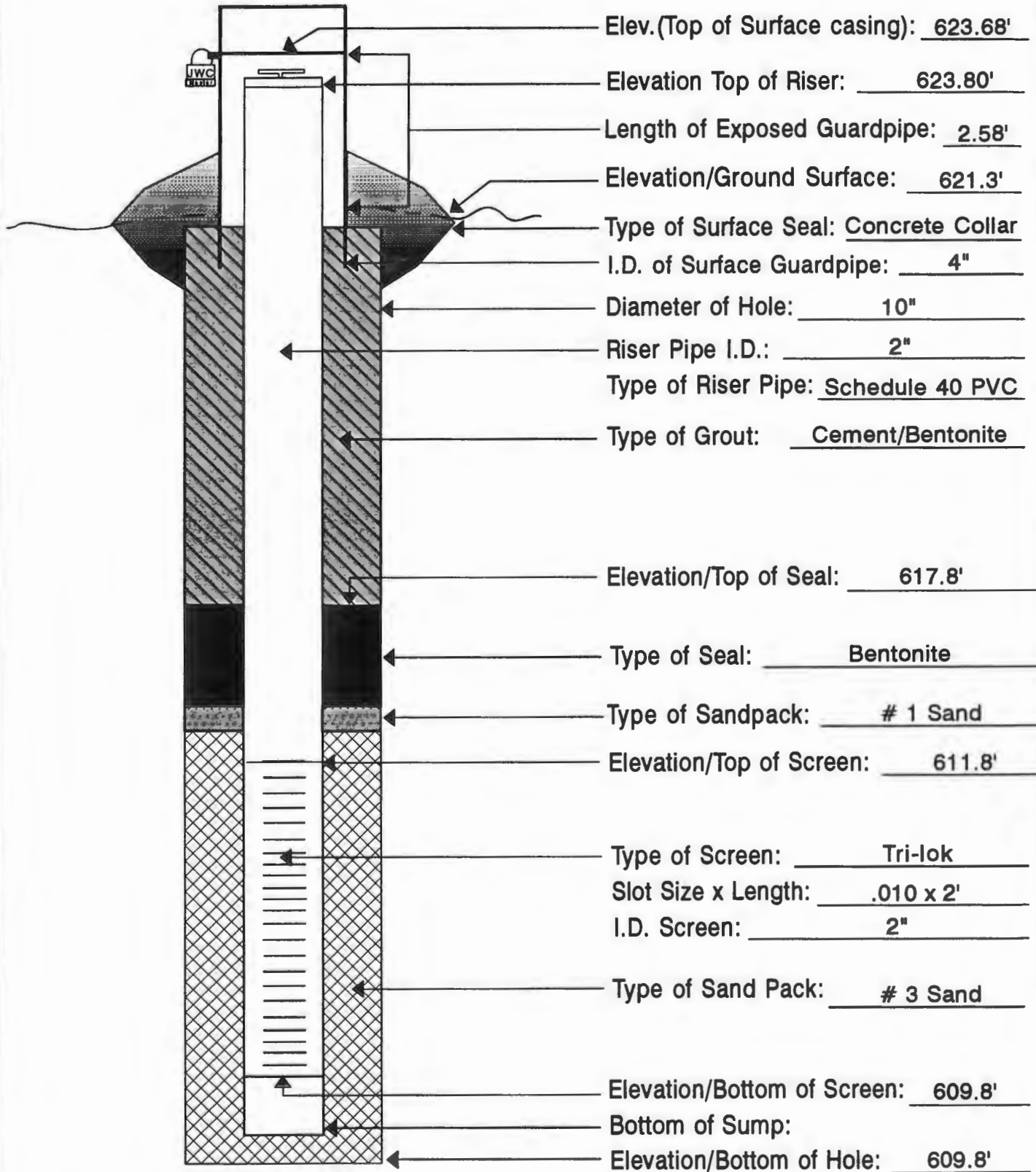
Project	Seneca Army Depot	Driller	Empire Soils, Inc.
Location	OB/OD Grounds (MW-24)	Drilling Method	Hollow Stem Auger
Date	November 6, 1991	Development Method	Teflon Bailer



- Elev.(Top of Surface casing): 627.34'
- Elevation Top of Riser: 627.33'
- Length of Exposed Guardpipe: 2.34'
- Elevation/Ground Surface: 625.0'
- Type of Surface Seal: Concrete Collar
- I.D. of Surface Guardpipe: 4"
- Diameter of Hole: 10"
- Riser Pipe I.D.: 2"
- Type of Riser Pipe: Schedule 40 PVC
- Type of Grout: Cement/Bentonite
- Elevation/Top of Seal: 624.5'
- Type of Seal: Bentonite
- Type of Sandpack: # 1 Sand
- Elevation/Top of Screen: 620.0'
- Type of Screen: Tri-lok
- Slot Size x Length: .010 x 2'
- I.D. Screen: 2"
- Type of Sand Pack: # 3 Sand
- Elevation/Bottom of Screen: 618.0'
- Bottom of Sump:
- Elevation/Bottom of Hole: 618.0'

WEATHERED BEDROCK MONITORING WELL

Project	Seneca Army Depot	Driller	Empire Soils, Inc.
Location	OB/OD Grounds (MW-25)	Drilling Method	Hollow Stem Auger
Date	November 6, 1991	Development Method	Teflon Bailer



Elev.(Top of Surface casing): 623.68'

Elevation Top of Riser: 623.80'

Length of Exposed Guardpipe: 2.58'

Elevation/Ground Surface: 621.3'

Type of Surface Seal: Concrete Collar

I.D. of Surface Guardpipe: 4"

Diameter of Hole: 10"

Riser Pipe I.D.: 2"

Type of Riser Pipe: Schedule 40 PVC

Type of Grout: Cement/Bentonite

Elevation/Top of Seal: 617.8'

Type of Seal: Bentonite

Type of Sandpack: # 1 Sand

Elevation/Top of Screen: 611.8'

Type of Screen: Tri-lok

Slot Size x Length: .010 x 2'

I.D. Screen: 2"

Type of Sand Pack: # 3 Sand

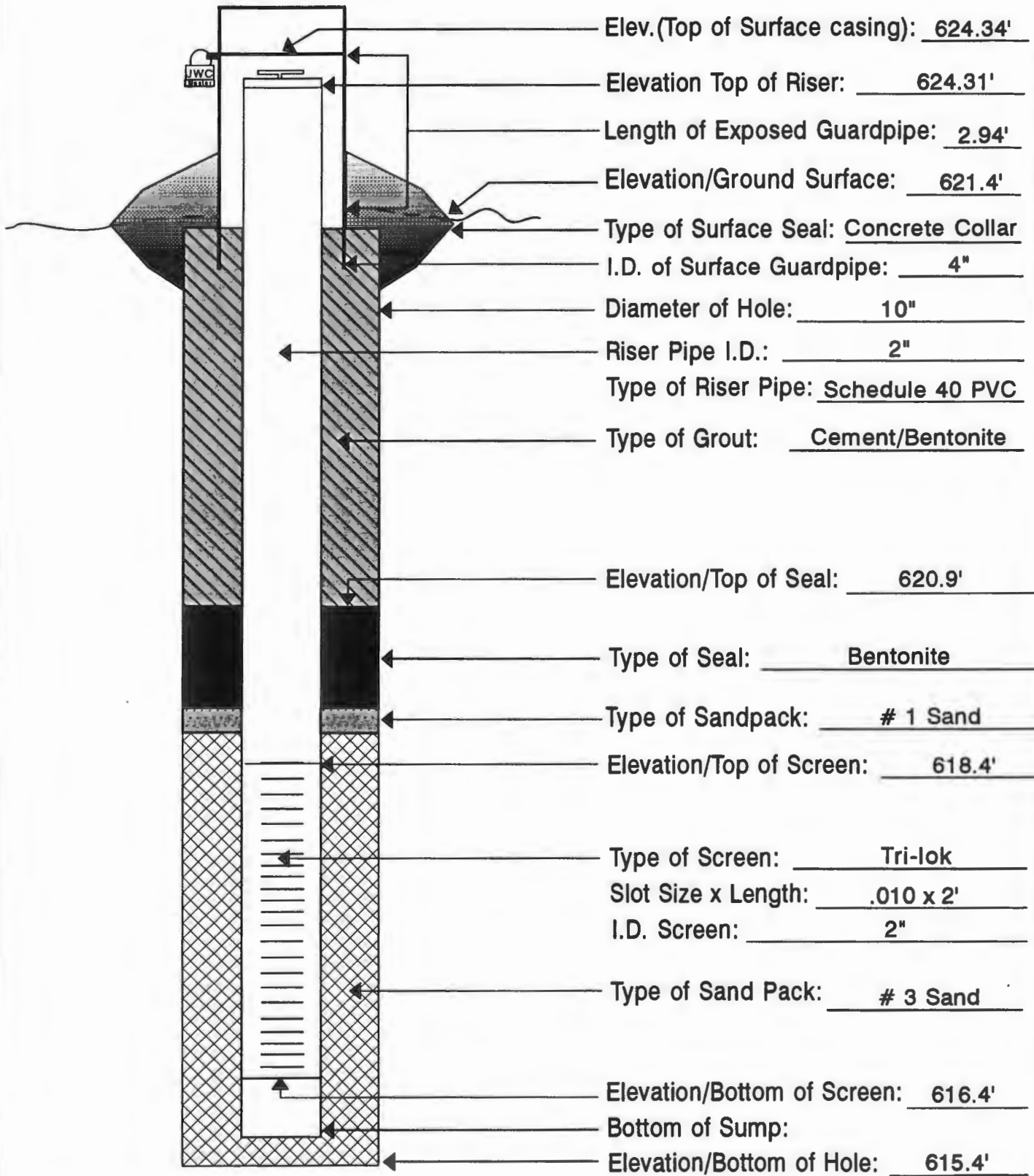
Elevation/Bottom of Screen: 609.8'

Bottom of Sump:

Elevation/Bottom of Hole: 609.8'

OVERBURDEN MONITORING WELL

Project	Seneca Army Depot	Driller	Empire Soils, Inc.
Location	OB/OD Grounds (MW-26)	Drilling Method	Hollow Stem Auger
Date	November 6, 1991	Development Method	Teflon Bailer



Elev.(Top of Surface casing): 624.34'

Elevation Top of Riser: 624.31'

Length of Exposed Guardpipe: 2.94'

Elevation/Ground Surface: 621.4'

Type of Surface Seal: Concrete Collar

I.D. of Surface Guardpipe: 4"

Diameter of Hole: 10"

Riser Pipe I.D.: 2"

Type of Riser Pipe: Schedule 40 PVC

Type of Grout: Cement/Bentonite

Elevation/Top of Seal: 620.9'

Type of Seal: Bentonite

Type of Sandpack: # 1 Sand

Elevation/Top of Screen: 618.4'

Type of Screen: Tri-lok

Slot Size x Length: .010 x 2'

I.D. Screen: 2"

Type of Sand Pack: # 3 Sand

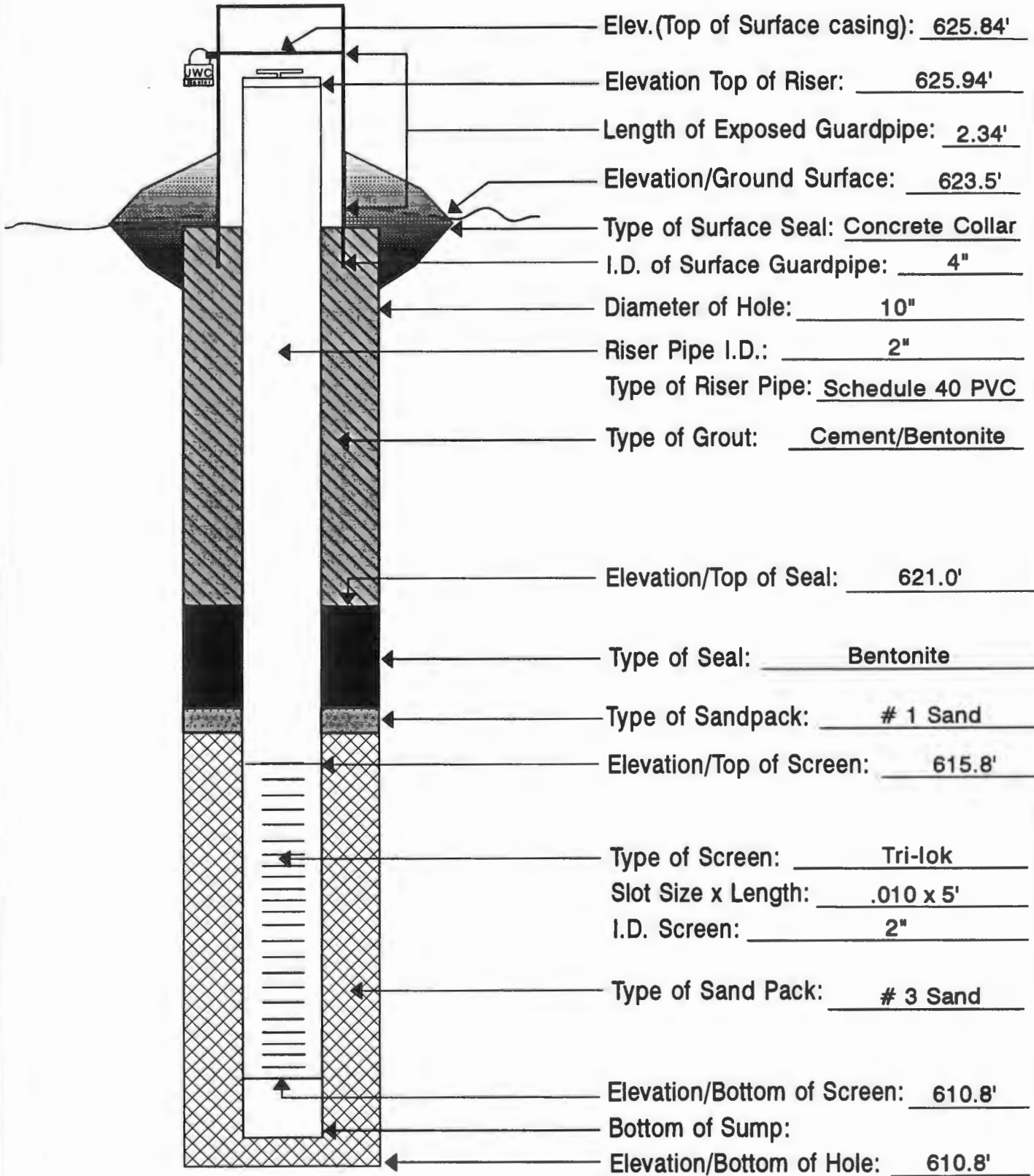
Elevation/Bottom of Screen: 616.4'

Bottom of Sump:

Elevation/Bottom of Hole: 615.4'

WEATHERED BEDROCK MONITORING WELL

Project	Seneca Army Depot	Driller	Empire Soils, Inc.
Location	OB/OD Grounds (MW-27)	Drilling Method	Hollow Stem Auger
Date	November 8, 1991	Development Method	Teflon Bailer



Elev.(Top of Surface casing): 625.84'

Elevation Top of Riser: 625.94'

Length of Exposed Guardpipe: 2.34'

Elevation/Ground Surface: 623.5'

Type of Surface Seal: Concrete Collar

I.D. of Surface Guardpipe: 4"

Diameter of Hole: 10"

Riser Pipe I.D.: 2"

Type of Riser Pipe: Schedule 40 PVC

Type of Grout: Cement/Bentonite

Elevation/Top of Seal: 621.0'

Type of Seal: Bentonite

Type of Sandpack: # 1 Sand

Elevation/Top of Screen: 615.8'

Type of Screen: Tri-lok

Slot Size x Length: .010 x 5'

I.D. Screen: 2"

Type of Sand Pack: # 3 Sand

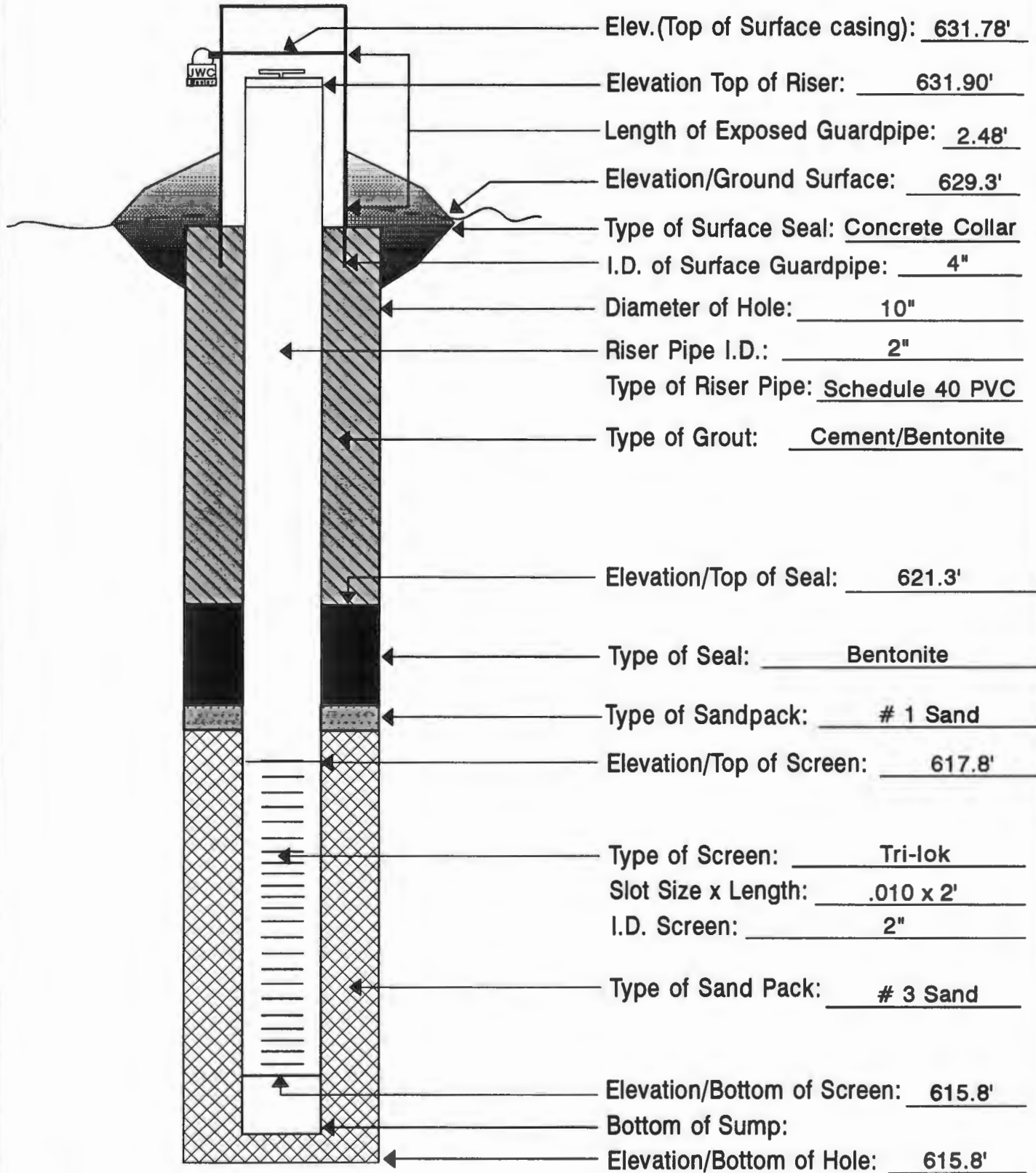
Elevation/Bottom of Screen: 610.8'

Bottom of Sump:

Elevation/Bottom of Hole: 610.8'

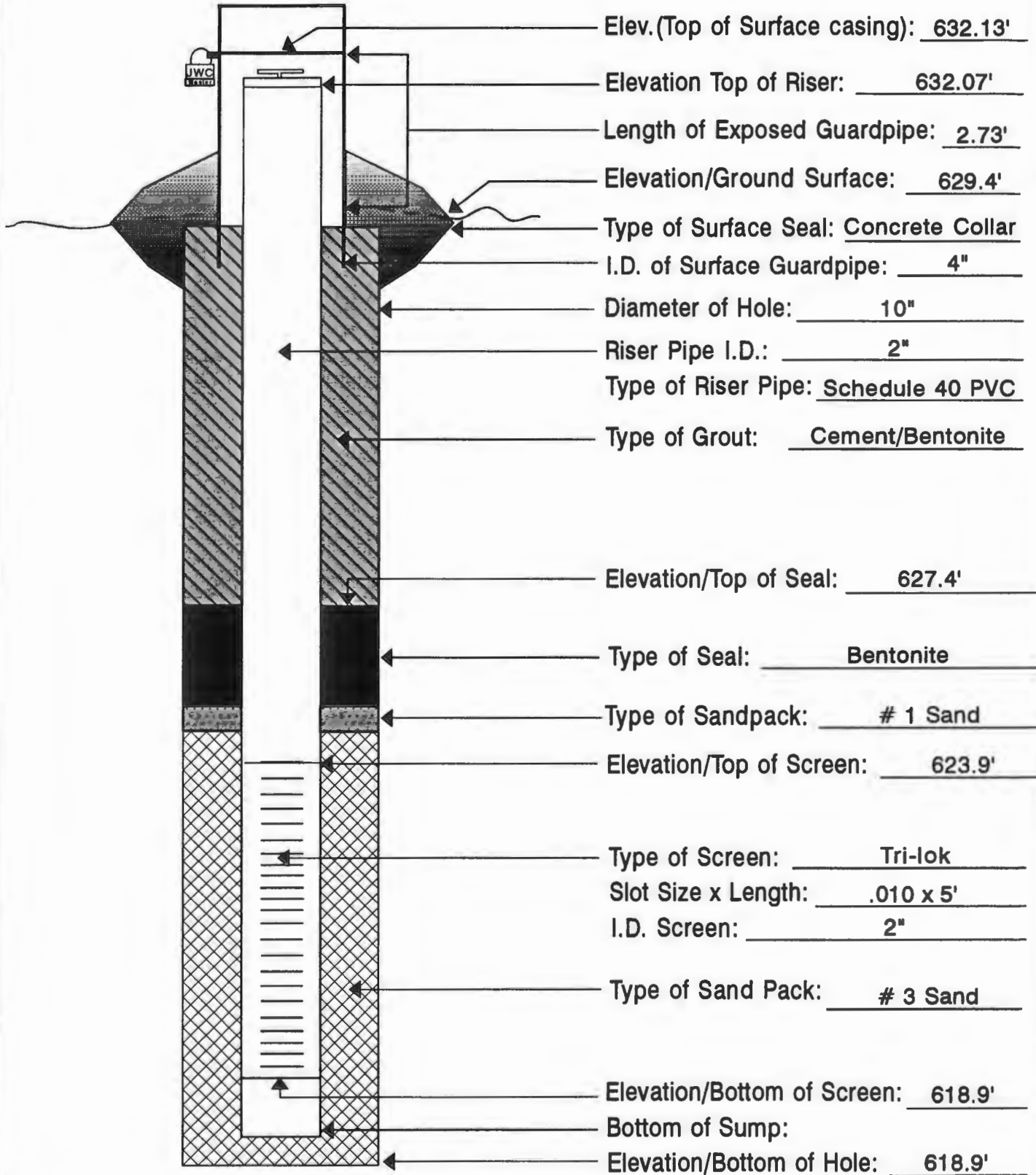
WEATHERED BEDROCK MONITORING WELL

Project	Seneca Army Depot	Driller	Empire Soils, Inc.
Location	OB/OD Grounds (MW-28)	Drilling Method	Hollow Stem Auger
Date	November 12, 1991	Development Method	Teflon Bailer



OVERBURDEN MONITORING WELL

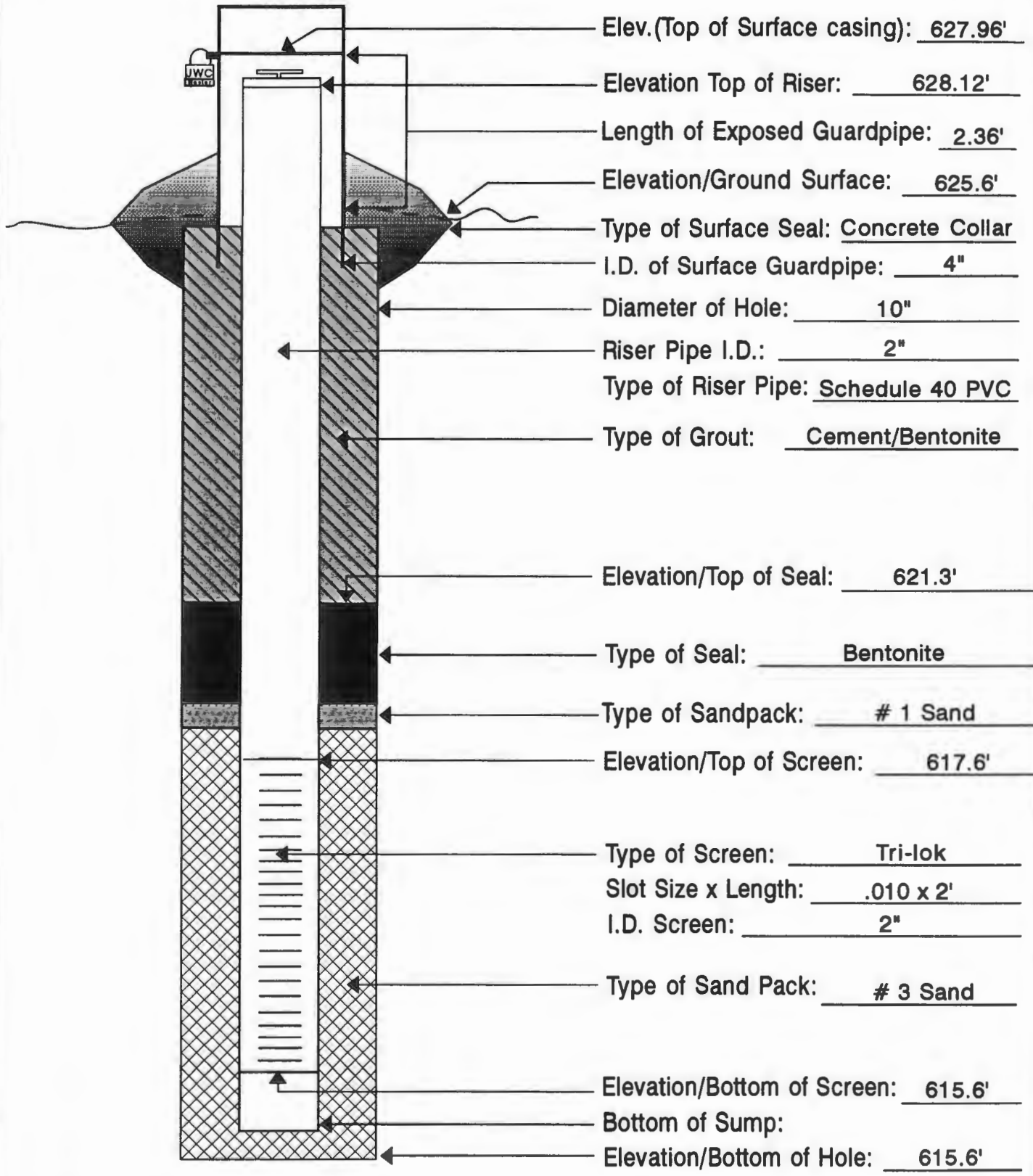
Project	Seneca Army Depot	Driller	Empire Soils, Inc.
Location	OB/OD Grounds (MW-29)	Drilling Method	Hollow Stem Auger
Date	November 13, 1991	Development Method	Teflon Bailer



- Elev.(Top of Surface casing): 632.13'
- Elevation Top of Riser: 632.07'
- Length of Exposed Guardpipe: 2.73'
- Elevation/Ground Surface: 629.4'
- Type of Surface Seal: Concrete Collar
- I.D. of Surface Guardpipe: 4"
- Diameter of Hole: 10"
- Riser Pipe I.D.: 2"
- Type of Riser Pipe: Schedule 40 PVC
- Type of Grout: Cement/Bentonite
- Elevation/Top of Seal: 627.4'
- Type of Seal: Bentonite
- Type of Sandpack: # 1 Sand
- Elevation/Top of Screen: 623.9'
- Type of Screen: Tri-lok
- Slot Size x Length: .010 x 5'
- I.D. Screen: 2"
- Type of Sand Pack: # 3 Sand
- Elevation/Bottom of Screen: 618.9'
- Bottom of Sump:
- Elevation/Bottom of Hole: 618.9'

WEATHERED BEDROCK MONITORING WELL

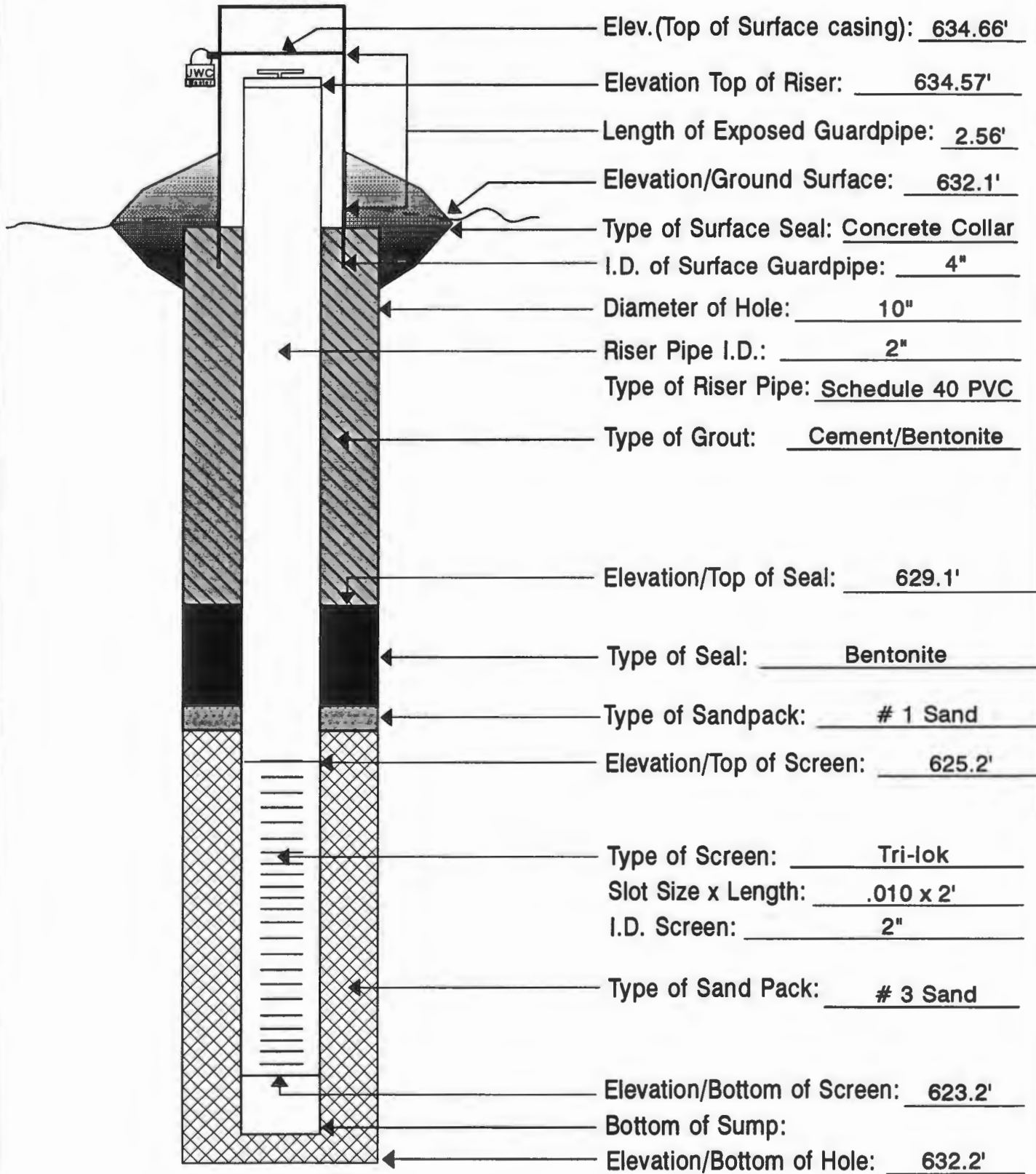
Project	Seneca Army Depot	Driller	Empire Soils, Inc.
Location	OB/OD Grounds (MW-30)	Drilling Method	Hollow Stem Auger
Date	November 14, 1991	Development Method	Teflon Bailer



- Elev.(Top of Surface casing): 627.96'
- Elevation Top of Riser: 628.12'
- Length of Exposed Guardpipe: 2.36'
- Elevation/Ground Surface: 625.6'
- Type of Surface Seal: Concrete Collar
- I.D. of Surface Guardpipe: 4"
- Diameter of Hole: 10"
- Riser Pipe I.D.: 2"
- Type of Riser Pipe: Schedule 40 PVC
- Type of Grout: Cement/Bentonite
- Elevation/Top of Seal: 621.3'
- Type of Seal: Bentonite
- Type of Sandpack: # 1 Sand
- Elevation/Top of Screen: 617.6'
- Type of Screen: Tri-lok
- Slot Size x Length: .010 x 2'
- I.D. Screen: 2"
- Type of Sand Pack: # 3 Sand
- Elevation/Bottom of Screen: 615.6'
- Bottom of Sump:
- Elevation/Bottom of Hole: 615.6'

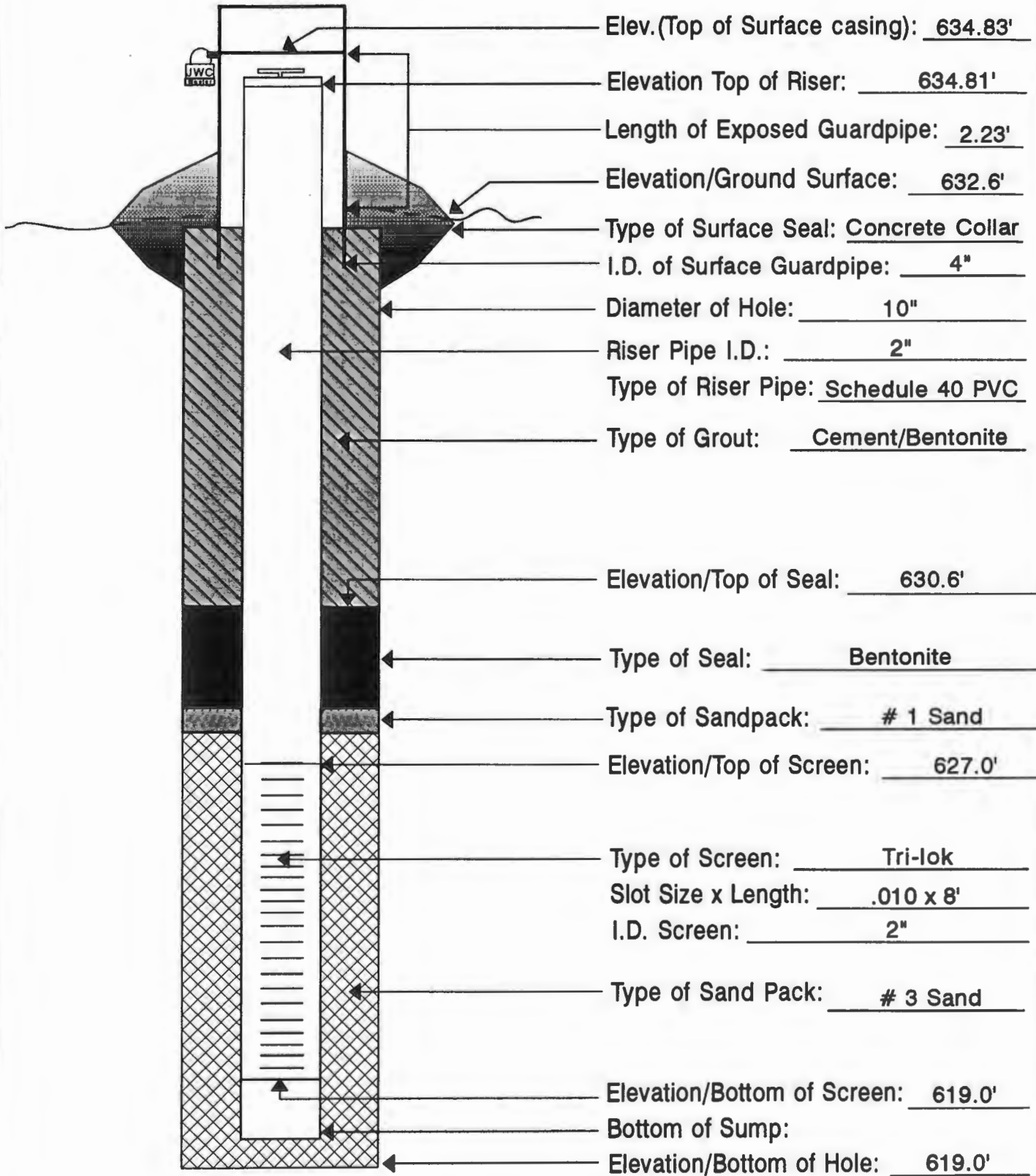
WEATHERED BEDROCK MONITORING WELL

Project	Seneca Army Depot	Driller	Empire Soils, Inc.
Location	OB/OD Grounds (MW-31)	Drilling Method	Hollow Stem Auger
Date	November 18, 1991	Development Method	Teflon Bailer



WEATHERED BEDROCK MONITORING WELL

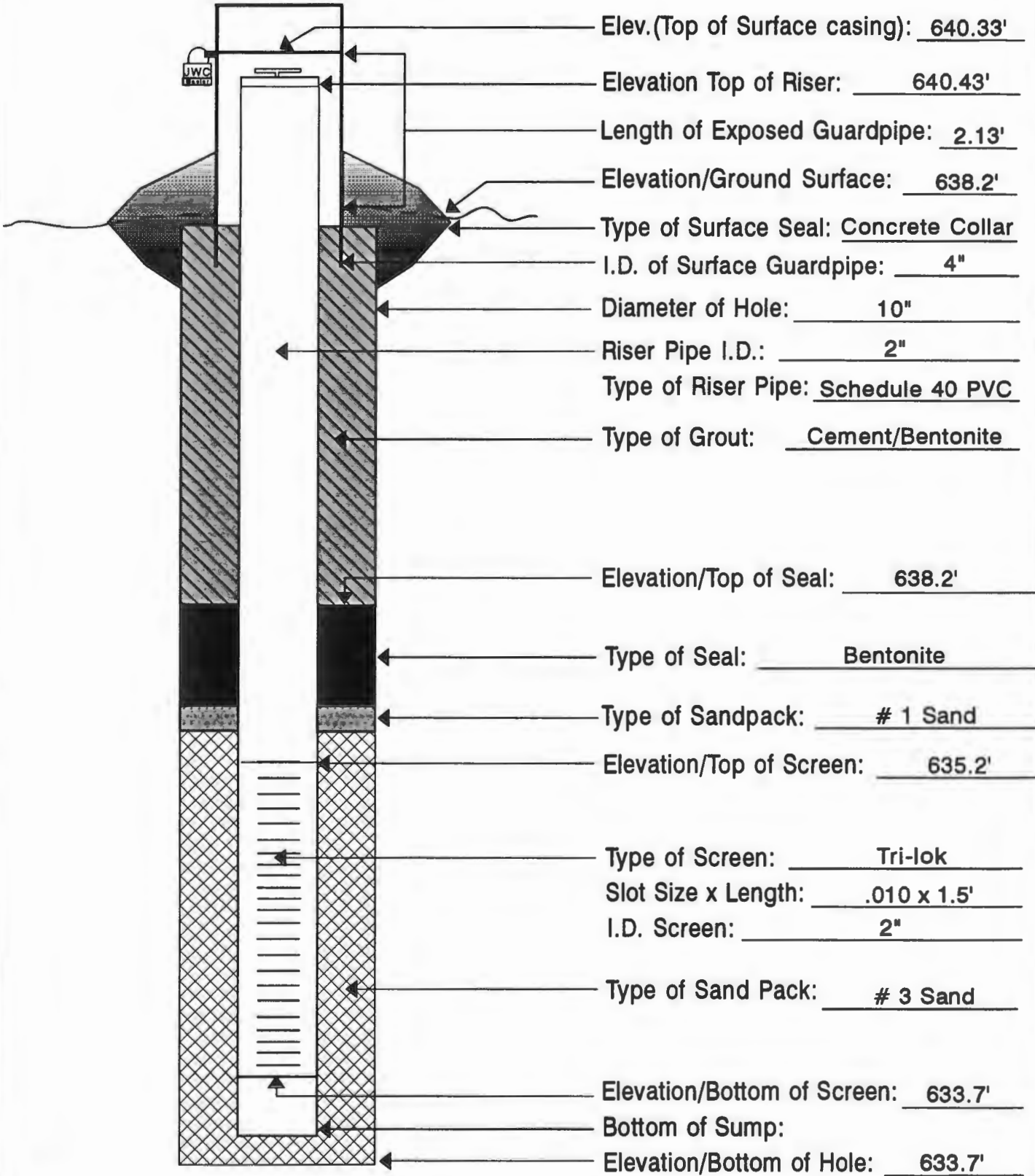
Project	Seneca Army Depot	Driller	Empire Soils, Inc.
Location	OB/OD Grounds (MW-32)	Drilling Method	Hollow Stem Auger
Date	November 19, 1991	Development Method	Teflon Bailer



- Elev.(Top of Surface casing): 634.83'
- Elevation Top of Riser: 634.81'
- Length of Exposed Guardpipe: 2.23'
- Elevation/Ground Surface: 632.6'
- Type of Surface Seal: Concrete Collar
- I.D. of Surface Guardpipe: 4"
- Diameter of Hole: 10"
- Riser Pipe I.D.: 2"
- Type of Riser Pipe: Schedule 40 PVC
- Type of Grout: Cement/Bentonite
- Elevation/Top of Seal: 630.6'
- Type of Seal: Bentonite
- Type of Sandpack: # 1 Sand
- Elevation/Top of Screen: 627.0'
- Type of Screen: Tri-lok
- Slot Size x Length: .010 x 8'
- I.D. Screen: 2"
- Type of Sand Pack: # 3 Sand
- Elevation/Bottom of Screen: 619.0'
- Bottom of Sump:
- Elevation/Bottom of Hole: 619.0'

OVERBURDEN MONITORING WELL

Project	Seneca Army Depot	Driller	Empire Soils, Inc.
Location	OB/OD Grounds (MW-34)	Drilling Method	Hollow Stem Auger
Date	November 21, 1991	Development Method	Teflon Bailer



Elev.(Top of Surface casing): 640.33'

Elevation Top of Riser: 640.43'

Length of Exposed Guardpipe: 2.13'

Elevation/Ground Surface: 638.2'

Type of Surface Seal: Concrete Collar

I.D. of Surface Guardpipe: 4"

Diameter of Hole: 10"

Riser Pipe I.D.: 2"

Type of Riser Pipe: Schedule 40 PVC

Type of Grout: Cement/Bentonite

Elevation/Top of Seal: 638.2'

Type of Seal: Bentonite

Type of Sandpack: # 1 Sand

Elevation/Top of Screen: 635.2'

Type of Screen: Tri-lok

Slot Size x Length: .010 x 1.5'

I.D. Screen: 2"

Type of Sand Pack: # 3 Sand

Elevation/Bottom of Screen: 633.7'

Bottom of Sump:

Elevation/Bottom of Hole: 633.7'

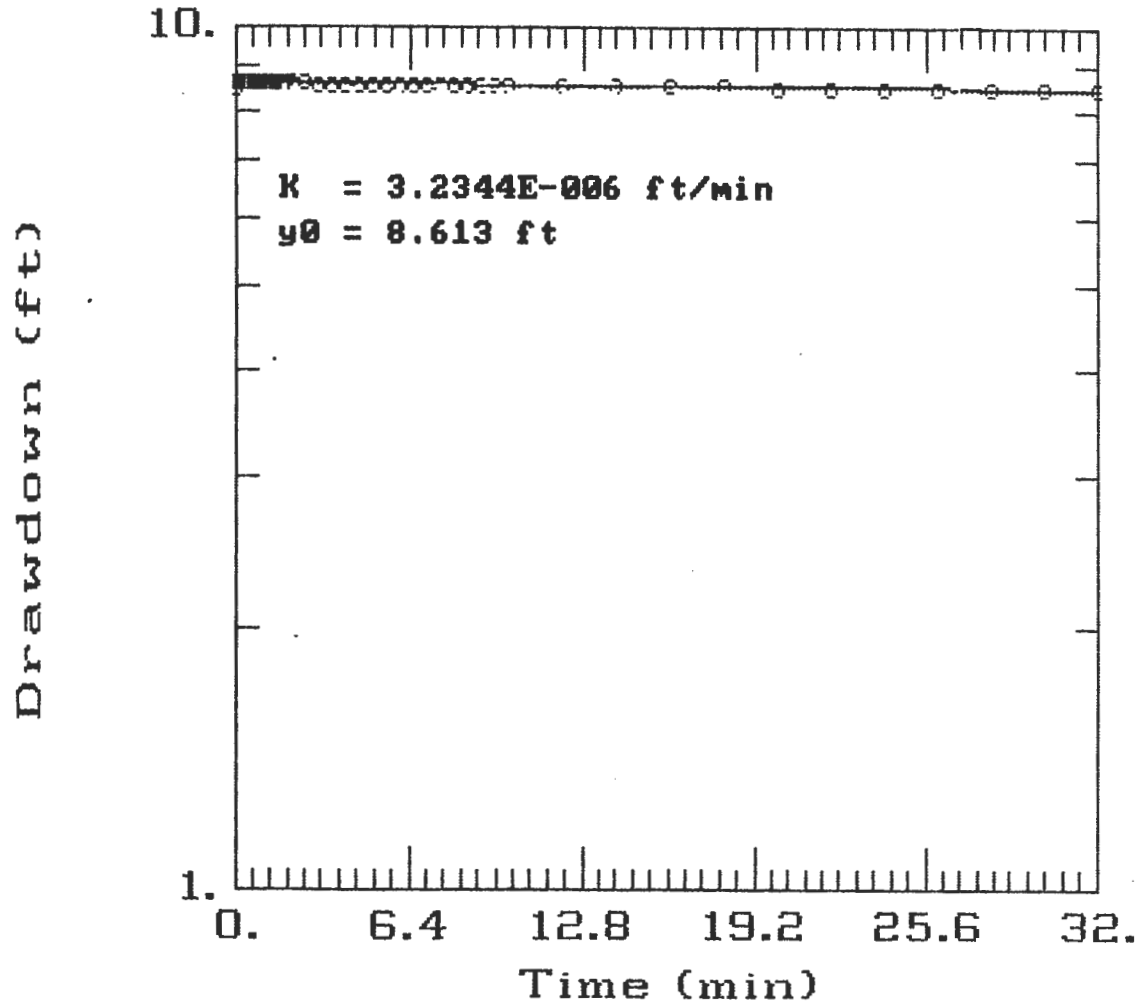
APPENDIX F

HYDRAULIC CONDUCTIVITY DATA RESULTS

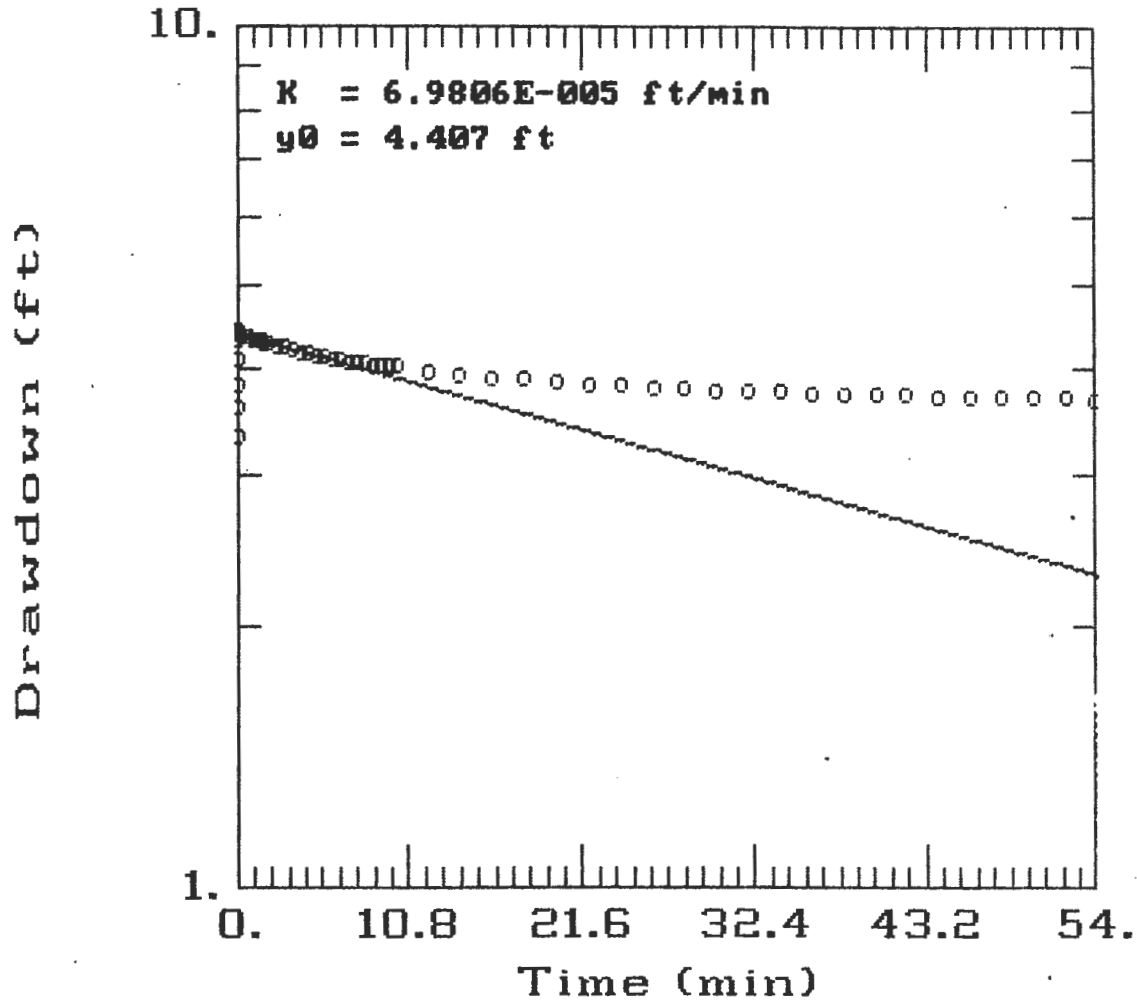
- BOUWER AND RICE (1976) DATA
- HORSLEV (1951) DATA

BOUWER AND RICE (1976) DATA

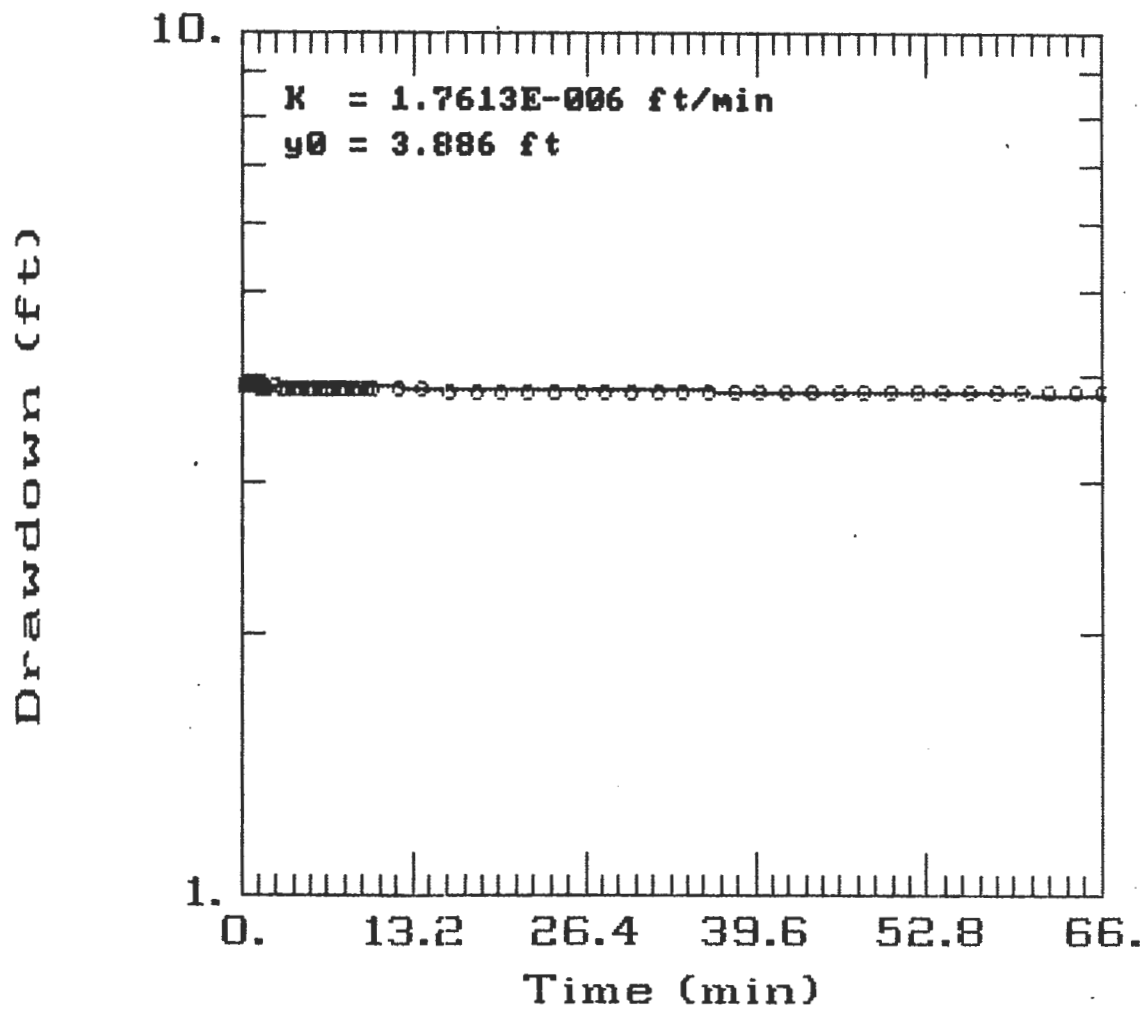
OB: Slug Test MW-01 Rise



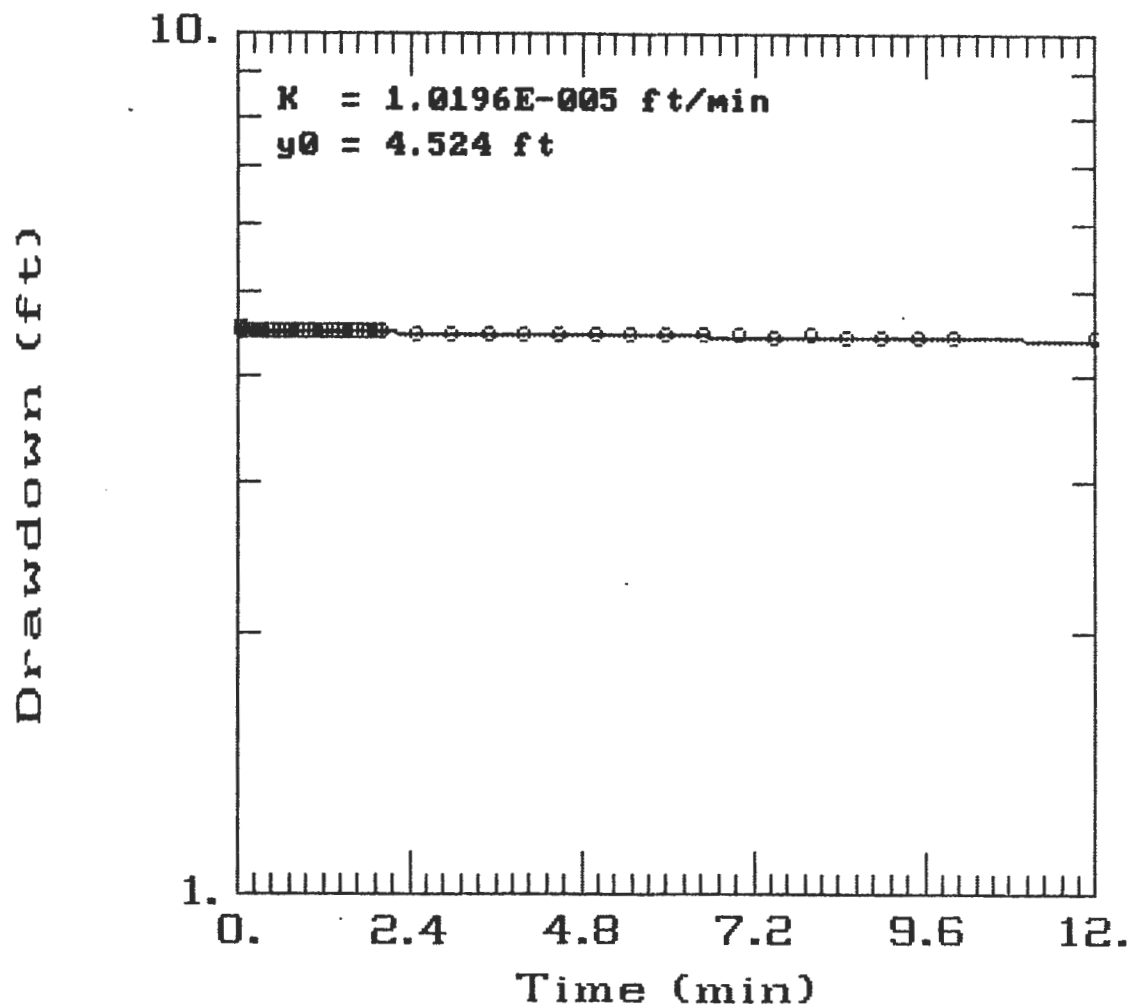
OB: Slug Test MW-05 Rise



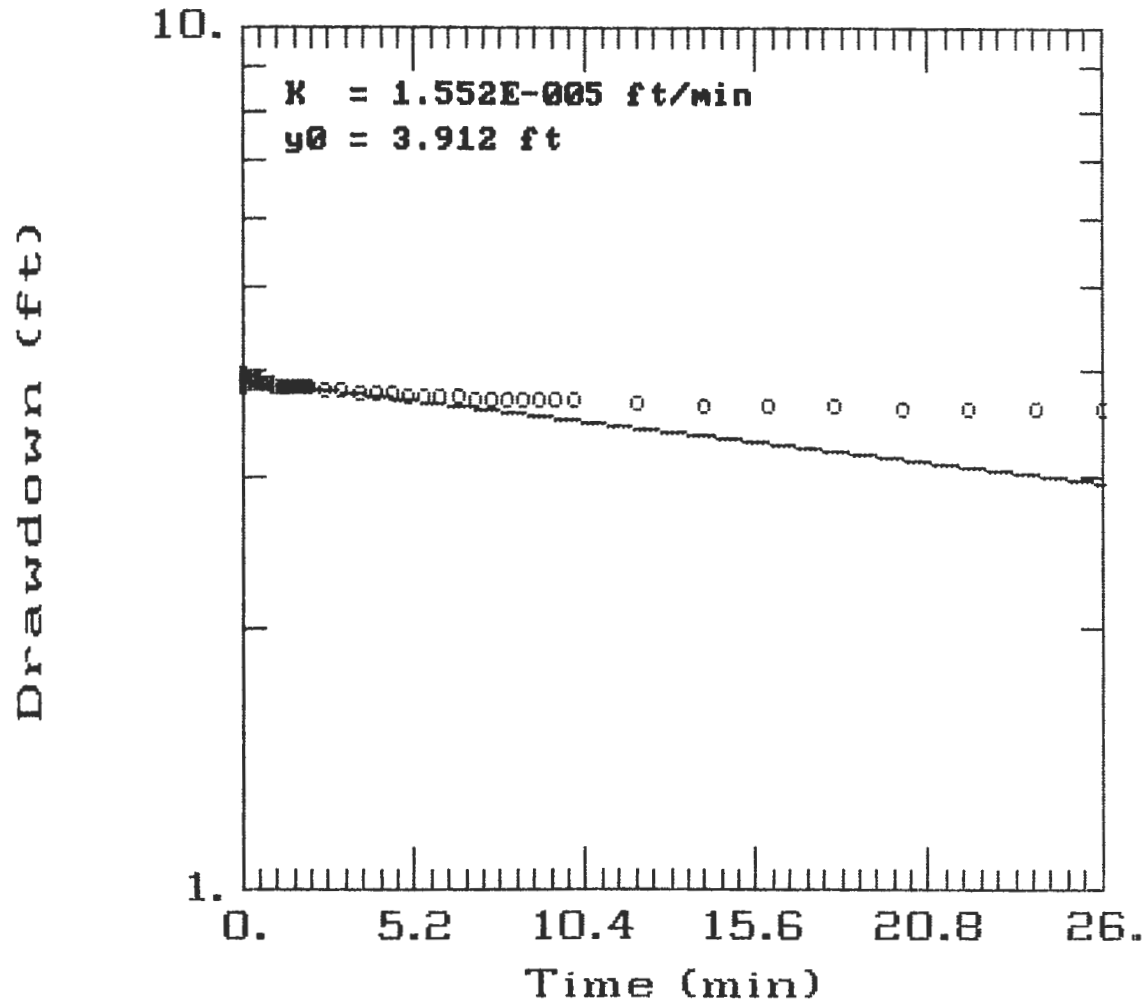
OB: Slug Test MW-06 Rise



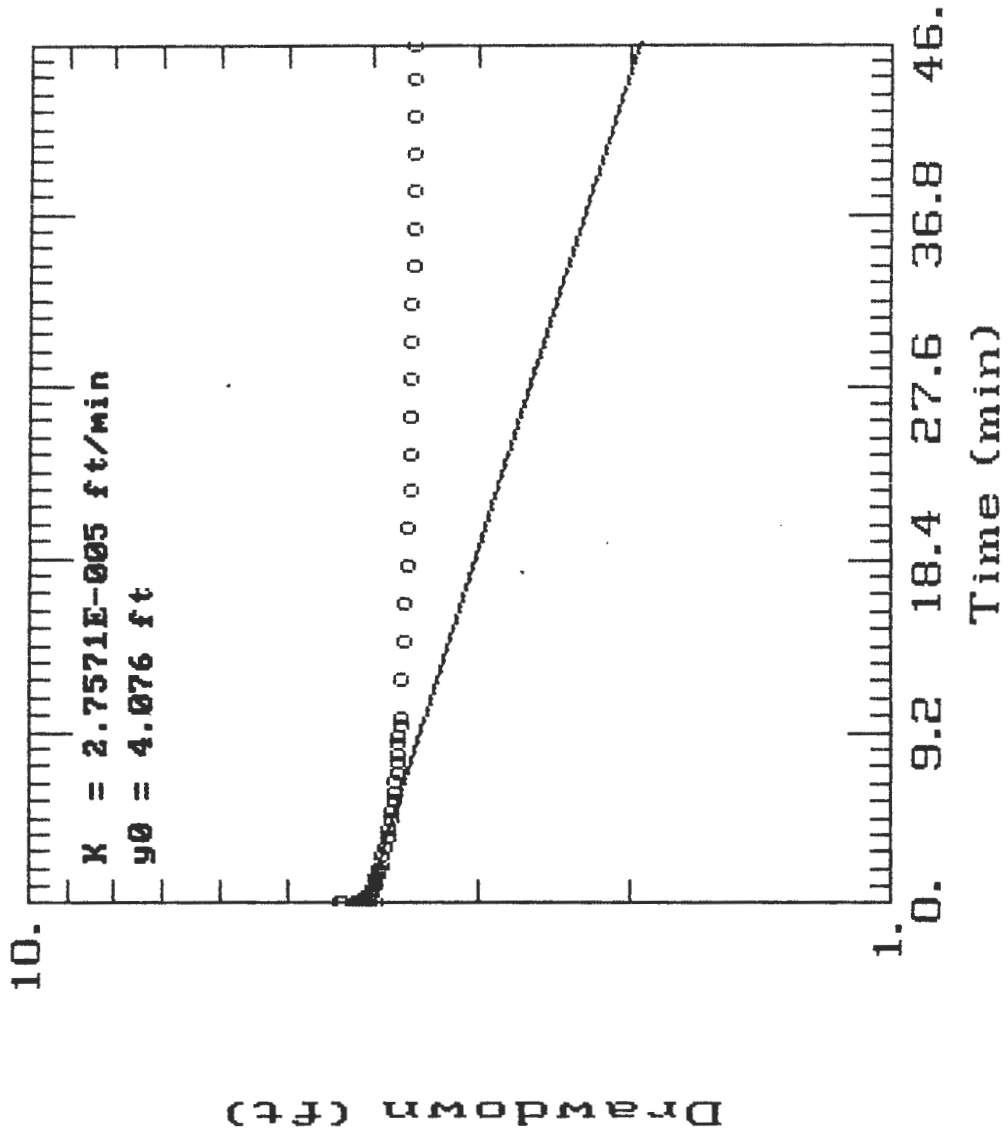
OB: Slug Test MW-07 Rise



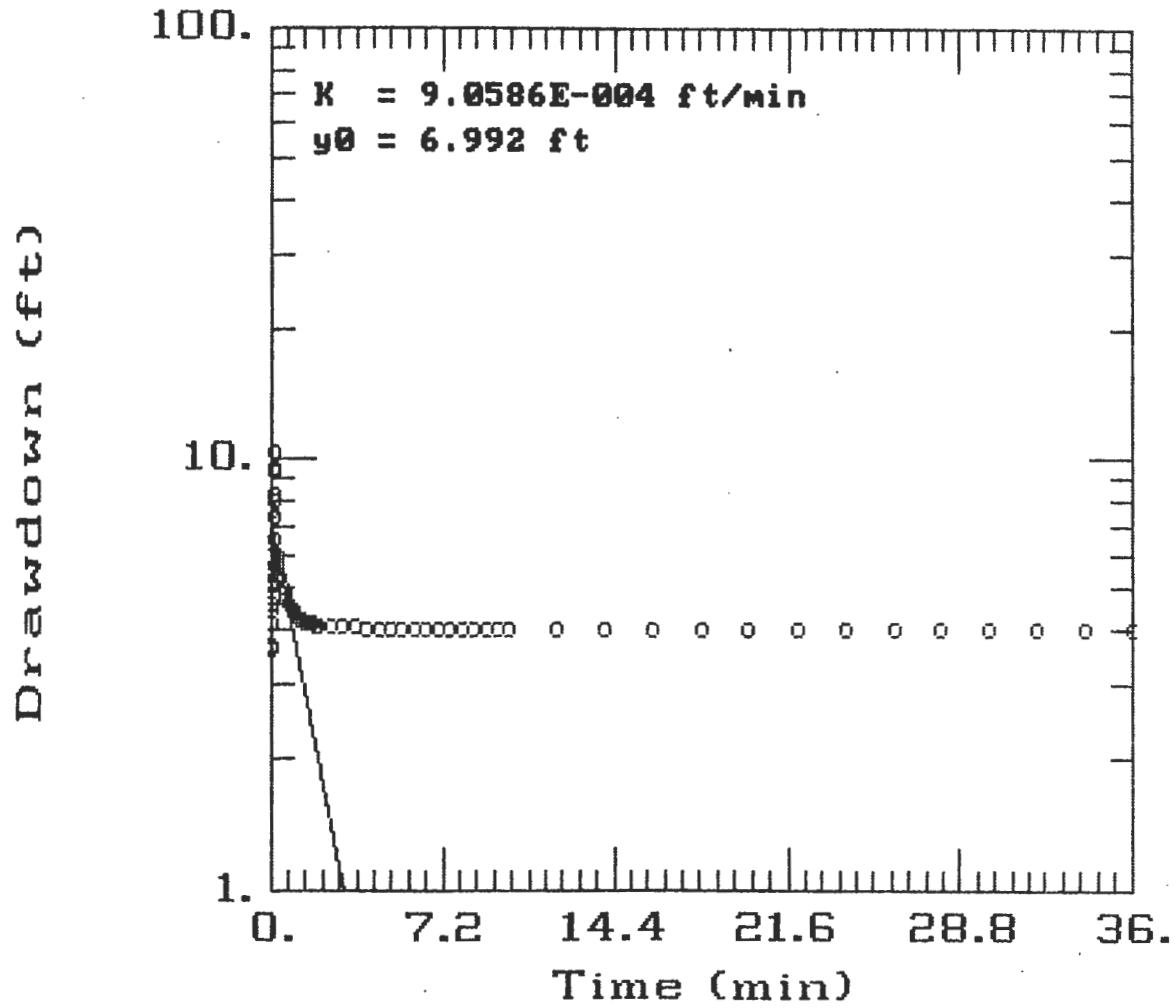
OB: Slug Test MW-08 Rise



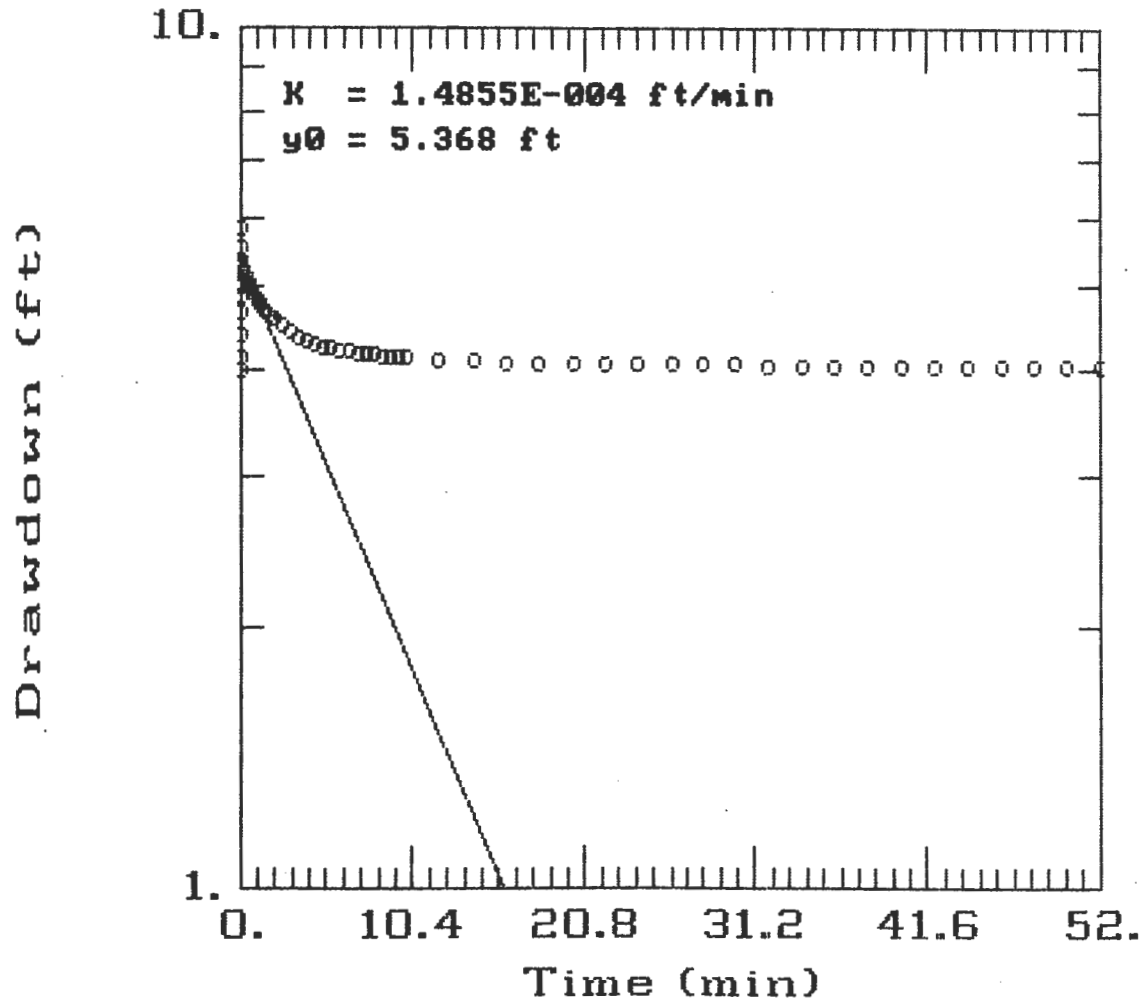
OB: Slug Test MW-10 Rise



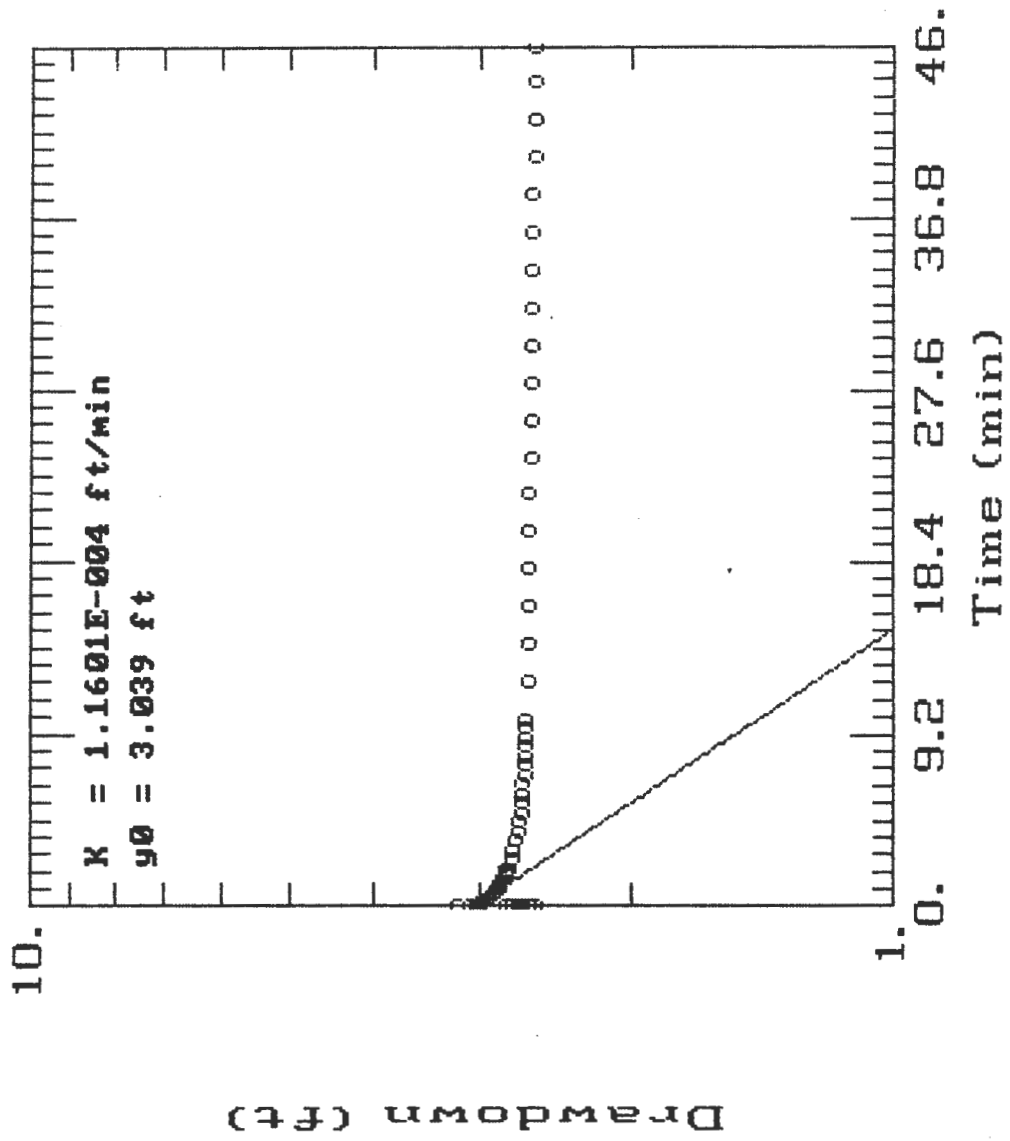
OB: Slug Test MW-11 Rise



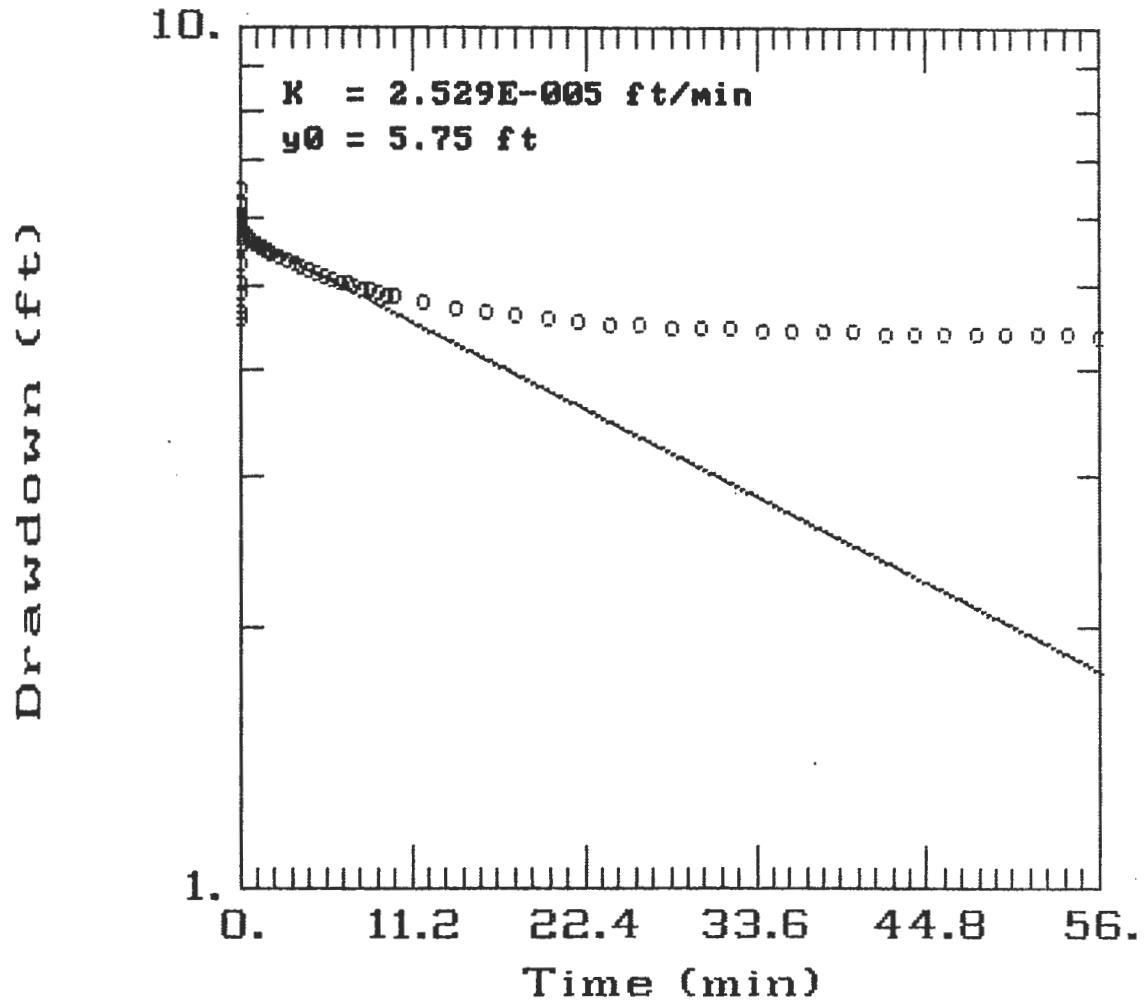
OB: Slug Test MW-14 Rise



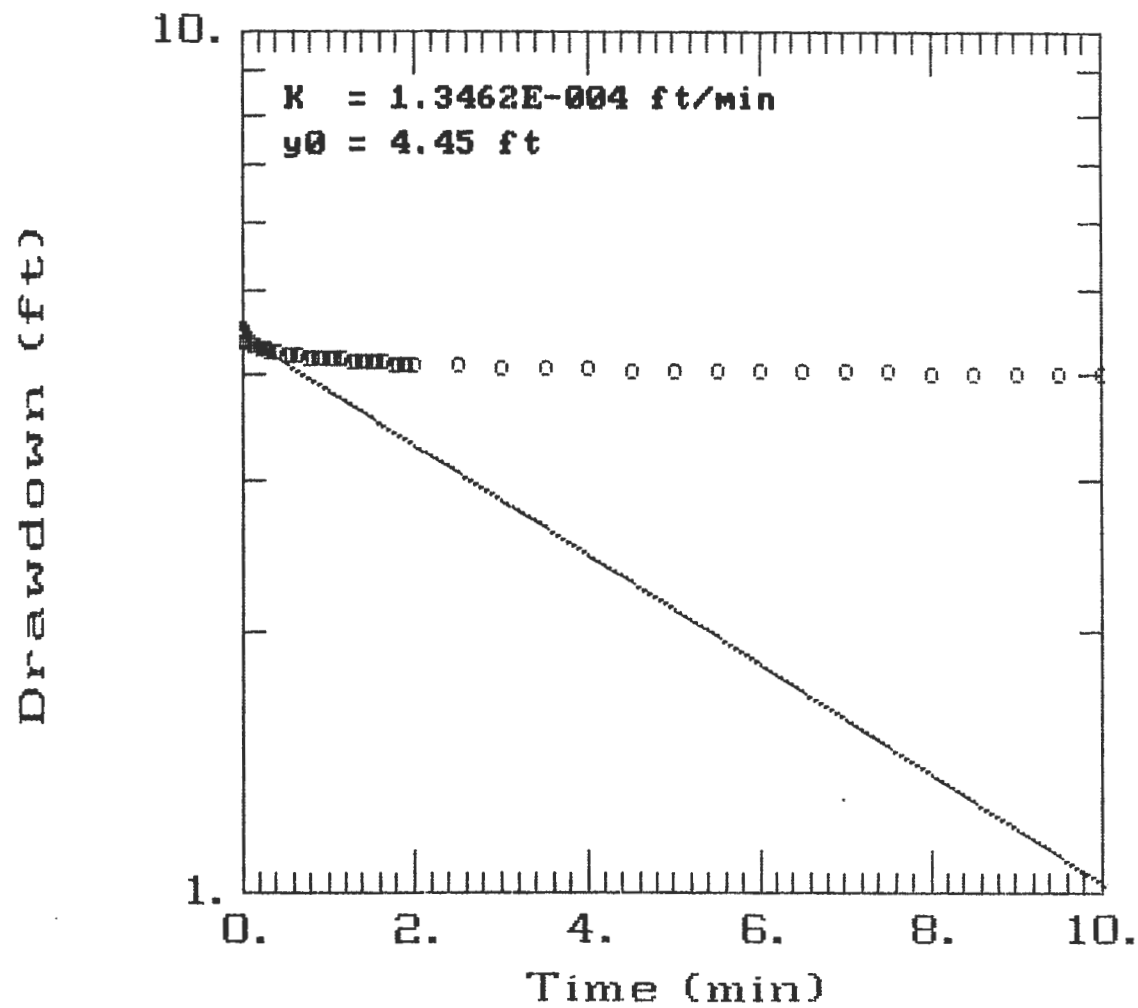
OB: Slug Test MW-18 Rise



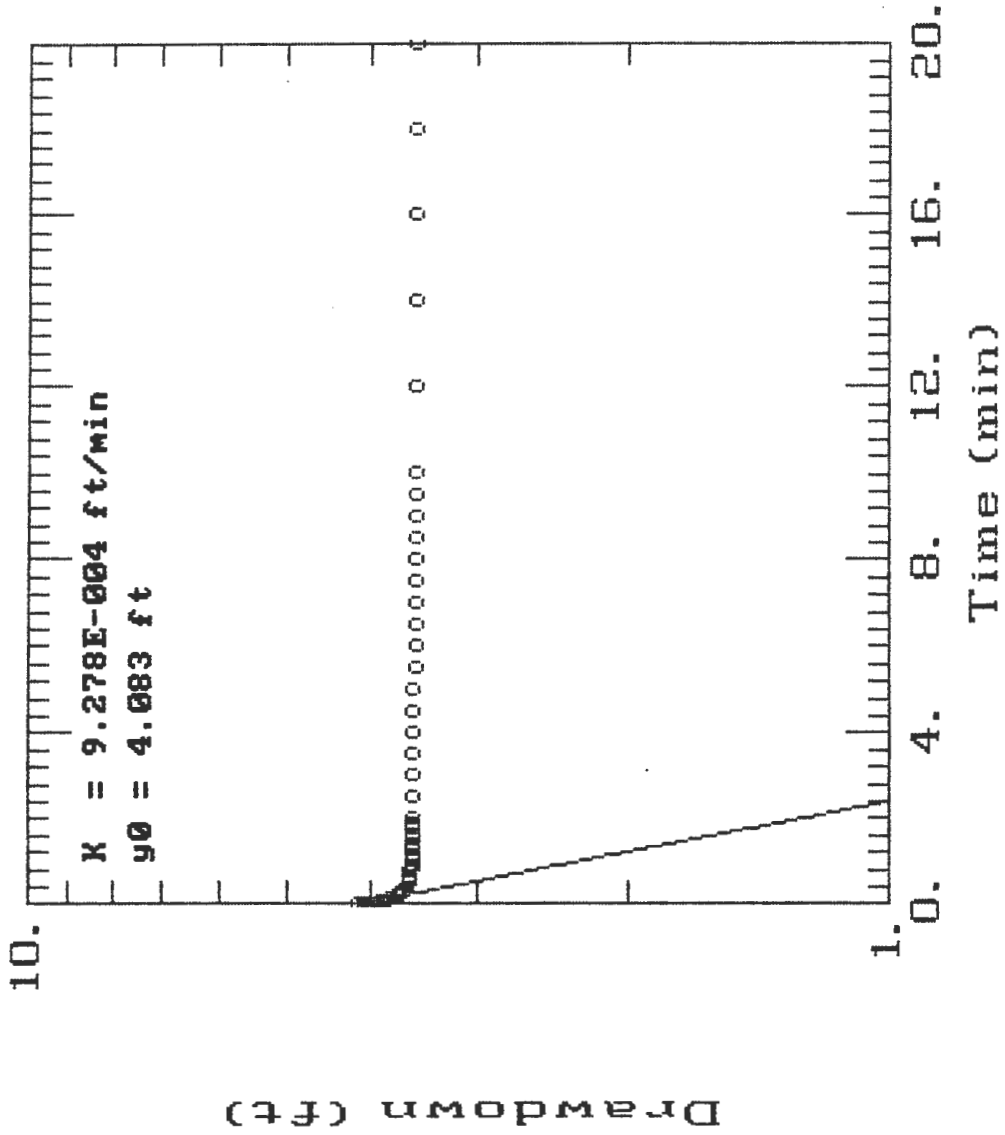
OB: Slug Test MW-21 Rise



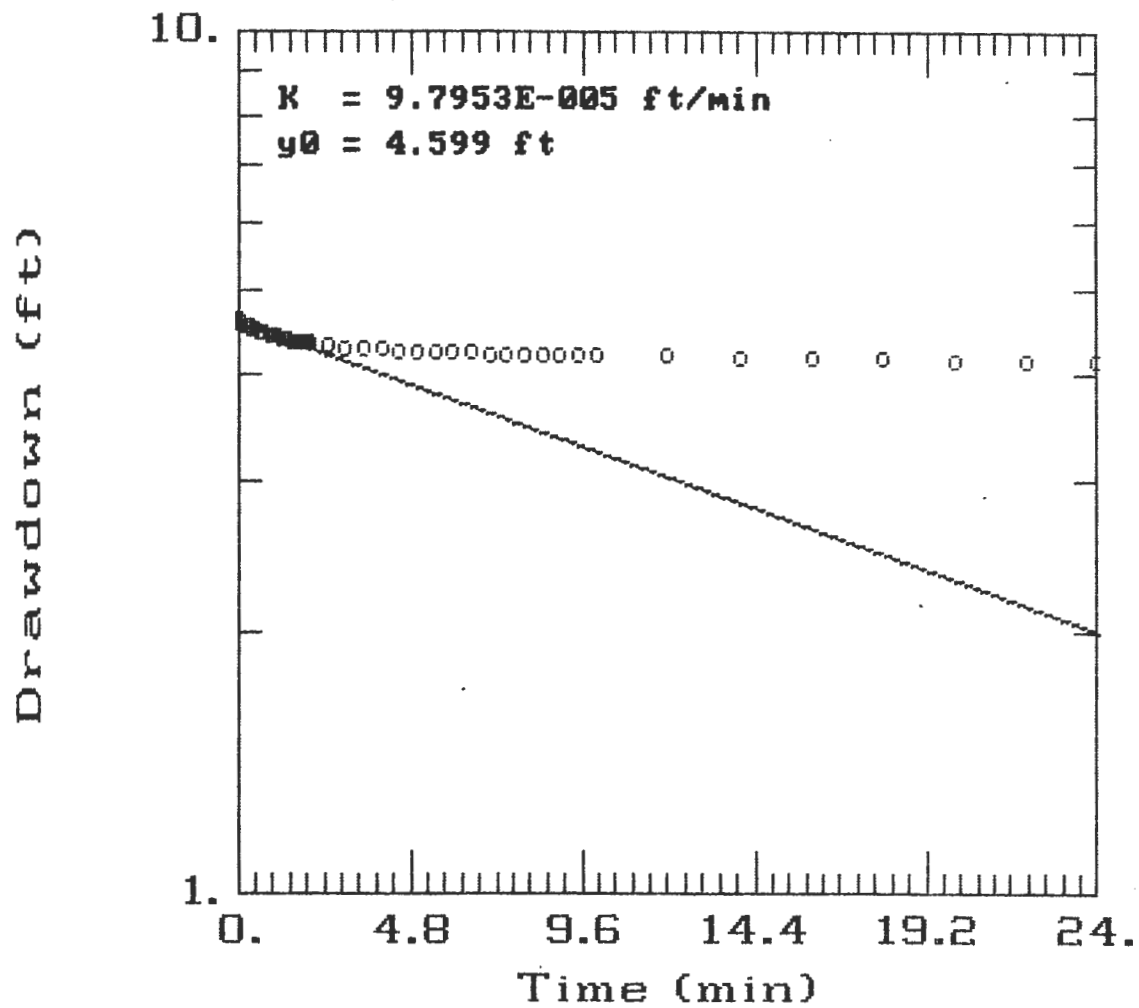
OB: Slug Test MW-22 Rise



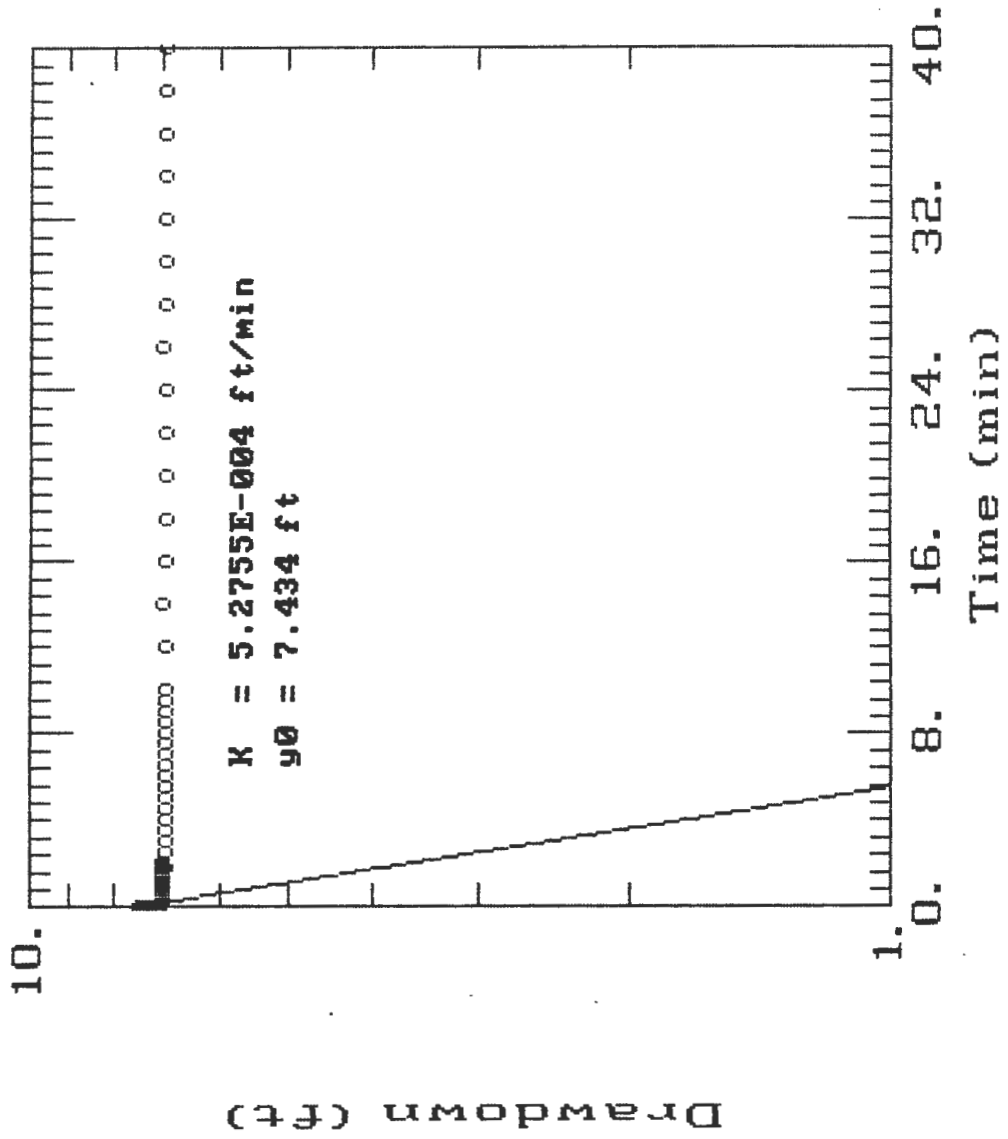
OB: Slug Test MW-23 Rise



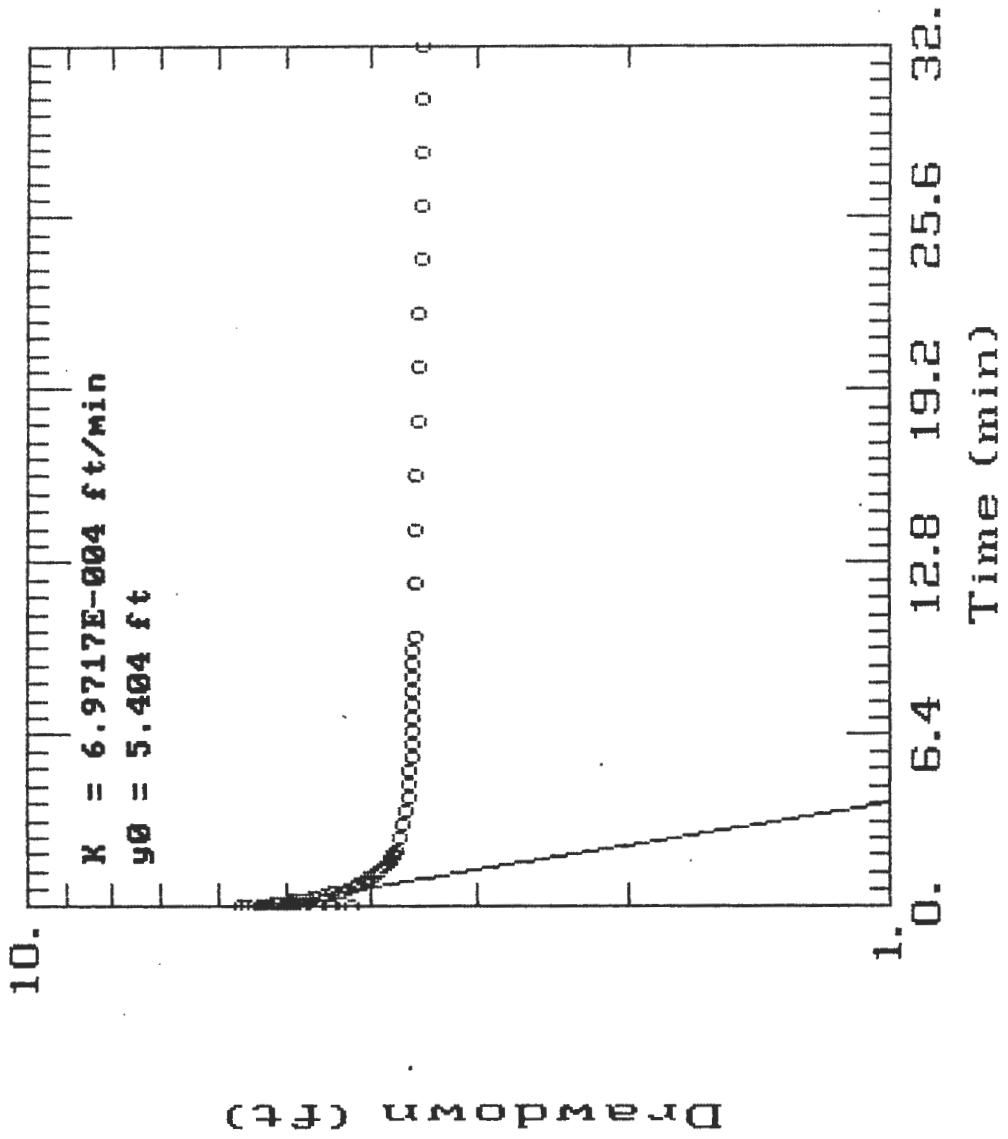
OB: Slug Test MW-24 Rise



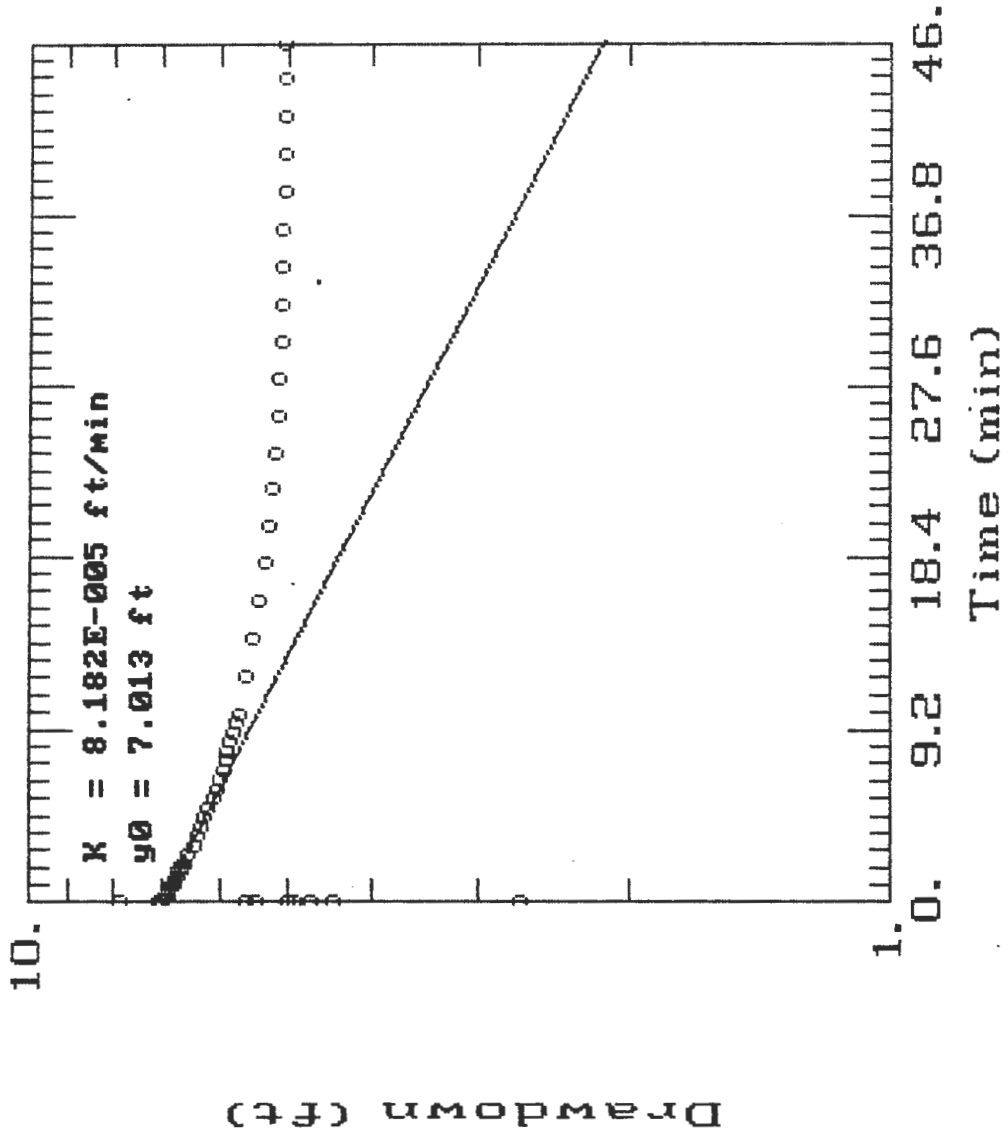
OB: Slug Test MW-25 Rise



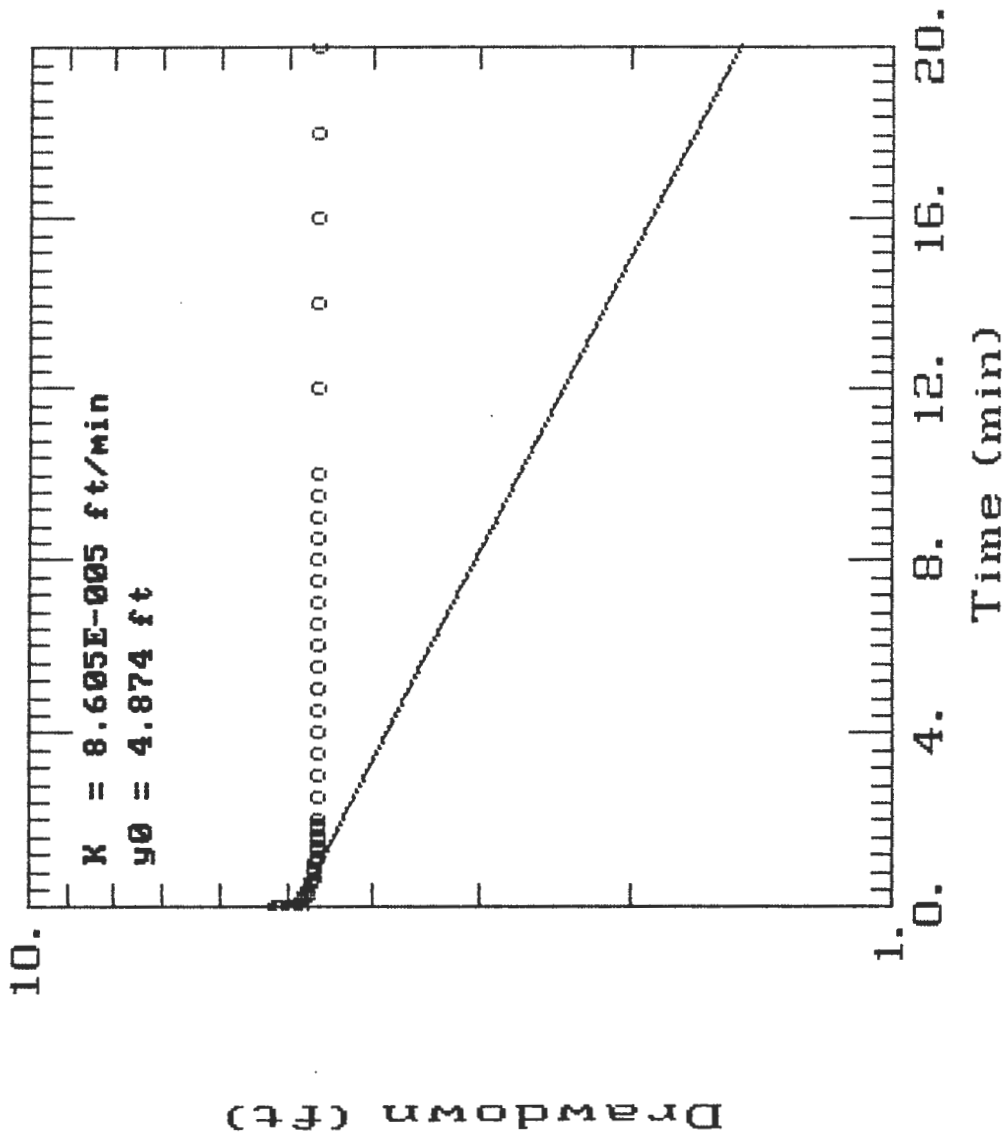
OB: Slug Test MW-27 Rise



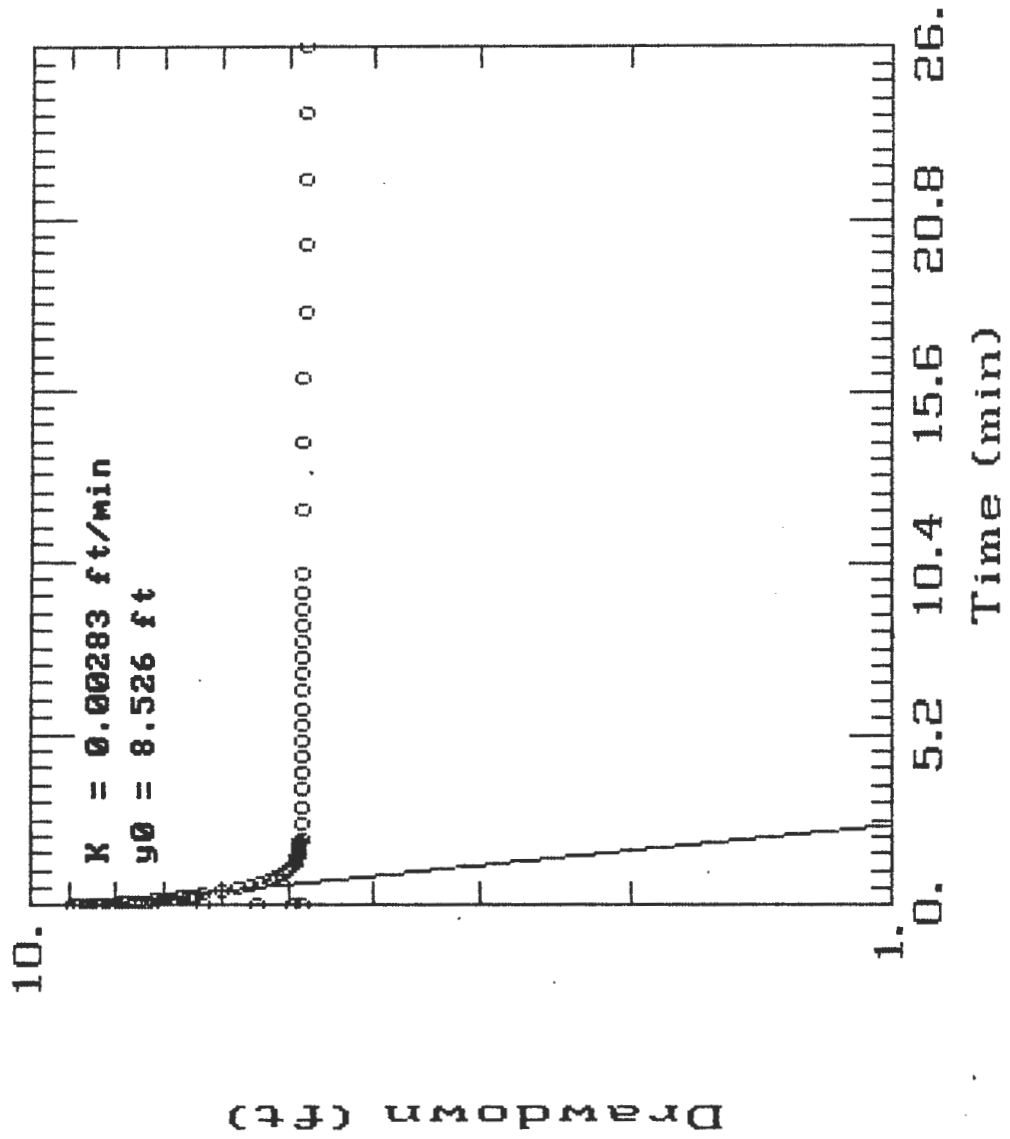
OB: Slug Test MW-28 Rise



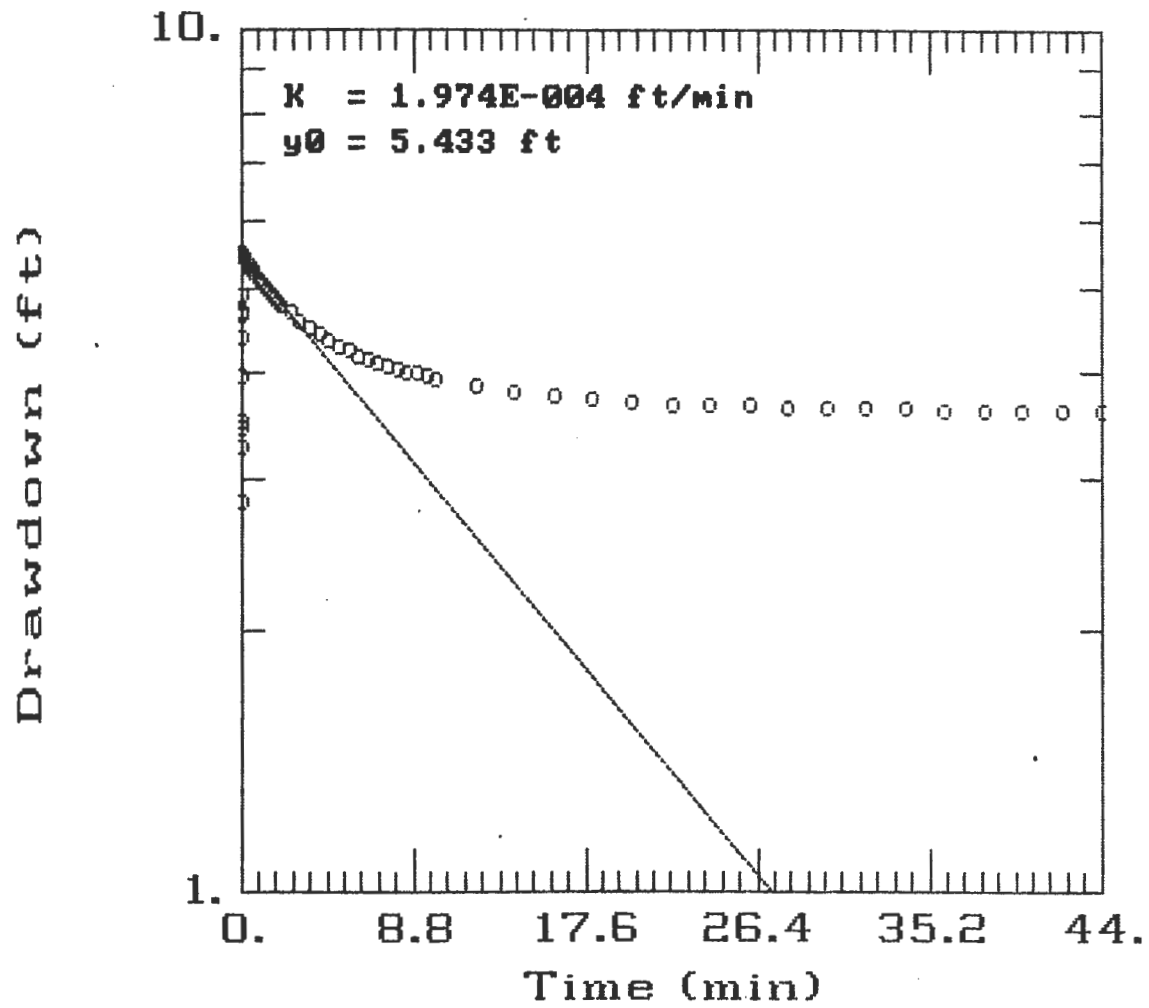
OB: Slug Test MW-29 Rise



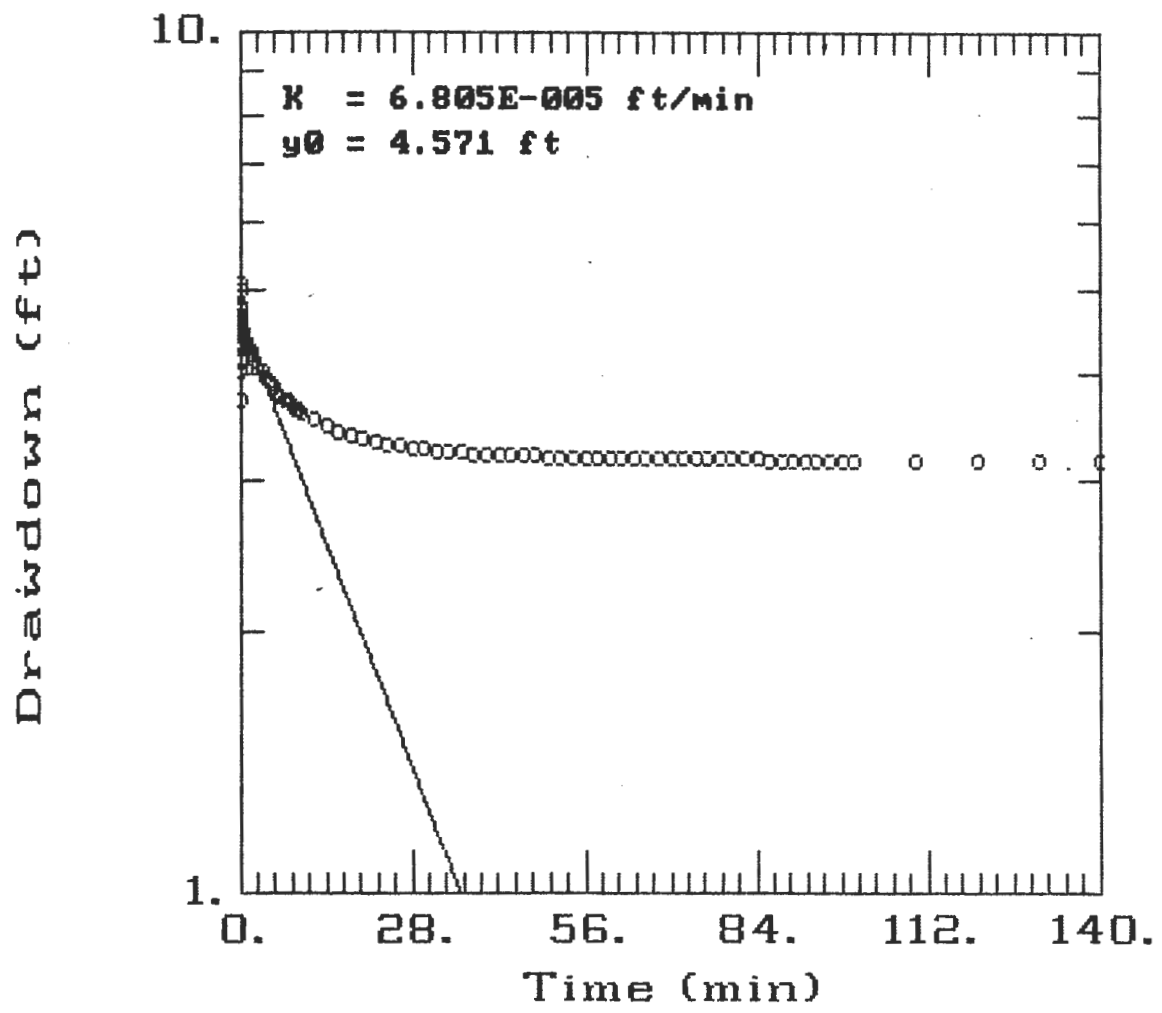
OB: Slug Test MW-30 Rise



OB: Slug Test MW-31 Rise



OB: Slug Test MW-32 Rise



HORSLEV (1951) DATA

OB:MW-01-Rise

TIME (seconds)	WATER LEVEL (feet)	DRAWDOWN (feet)	H/H0
1.596	8.651	0.15	1
1.8	8.637999	0.14	.9138996
1.998	8.645001	0.15	.9602729
3	8.635	0.14	.8940386
3.996	8.632	0.13	.8741724
4.998	8.629	0.13	.8543011
6	8.629	0.13	.8543011
6.996	8.629	0.13	.8543011
7.998	8.629	0.13	.8543011
9	8.629	0.13	.8543011
9.996	8.625	0.13	.8278147
10.998	8.625	0.13	.8278147
12	8.625	0.13	.8278147
12.996	8.625	0.13	.8278147
13.998	8.625	0.13	.8278147
15	8.625	0.13	.8278147
15.996	8.622	0.12	.8079434
16.998	8.622	0.12	.8079434
18	8.622	0.12	.8079434
18.996	8.622	0.12	.8079434
19.998	8.622	0.12	.8079434
24.996	8.619001	0.12	.7880876
30	8.619001	0.12	.7880876
34.998	8.616	0.12	.7682111
39.996	8.616	0.12	.7682111
45	8.613	0.11	.7483449
49.998	8.613	0.11	.7483449
54.996	8.609	0.11	.7218533
60	8.609	0.11	.7218533
64.998	8.606	0.11	.7019871
69.996	8.606	0.11	.7019871
75	8.602999	0.10	.6821106
79.998	8.602999	0.10	.6821106
84.996	8.602999	0.10	.6821106
90	8.600001	0.10	.6622601
94.998	8.600001	0.10	.6622601
99.996	8.597	0.10	.6423835
105	8.597	0.10	.6423835
109.998	8.597	0.10	.6423835
114.996	8.597	0.10	.6423835
120	8.593001	0.09	.6159023
150	8.587	0.09	.5761596
180	8.583999	0.08	.5562831
210	8.576999	0.08	.5099253
240	8.574001	0.07	.4900747
270	8.568	0.07	.4503321
300	8.564	0.06	.4238404
330	8.561	0.06	.4039743
360	8.557999	0.06	.3840978
390	8.552	0.05	.3443707
420	8.552	0.05	.3443707
450	8.548001	0.05	.3178894
480	8.545	0.05	.2980129
510	8.542	0.04	.2781416

540

8.542

0.04

.2781416

UNCONFINED AQUIFER

K = 0.5E-03 cm/sec
= 9.7 gpd/ft²
= 0.2E-04ft/sec
= 1.3ft/day

REGRESSION COEFFICIENT = -.9917073

OB:MW-05-Rise

TIME (seconds)	WATER LEVEL (feet)	DRAWDOWN (feet)	H/H0
1.596	4.424	0.96	1
1.8	4.424	0.96	1
1.998	4.414	0.95	.9896268
3	4.417	0.96	.9927386
3.996	4.414	0.95	.9896268
4.998	4.408	0.95	.9834028
6	4.405	0.95	.9802909
6.996	4.402	0.94	.9771787
7.998	4.399	0.94	.9740669
9	4.395	0.93	.9699172
9.996	4.392	0.93	.9668054
10.998	4.392	0.93	.9668054
12	4.389	0.93	.9636928
12.996	4.389	0.93	.9636928
13.998	4.386	0.93	.9605814
15	4.386	0.93	.9605814
15.996	4.386	0.93	.9605814
16.998	4.383	0.92	.9574688
18	4.383	0.92	.9574688
18.996	4.38	0.92	.9543569
19.998	4.38	0.92	.9543569
24.996	4.373	0.91	.9470959
30	4.367	0.91	.9408715
34.998	4.361	0.90	.9346474
39.996	4.354	0.89	.9273861
45	4.348	0.89	.921162
49.998	4.345	0.88	.9180498
54.996	4.338	0.88	.9107884
60	4.332	0.87	.9045643
64.998	4.329	0.87	.9014525
69.996	4.326	0.87	.8983407
75	4.319	0.86	.8910788
79.998	4.316	0.86	.8879671
84.996	4.31	0.85	.881743
90	4.307	0.85	.8786312
94.998	4.304	0.84	.8755186
99.996	4.297	0.84	.8682571
105	4.294	0.83	.8651453
109.998	4.288	0.83	.8589213
114.996	4.285	0.82	.8558091
120	4.282	0.82	.8526972
150	4.256	0.80	.8257263
180	4.234	0.77	.802905
210	4.212	0.75	.7800829
240	4.19	0.73	.7572615
270	4.168	0.71	.7344402
300	4.149	0.69	.7147308
330	4.13	0.67	.6950212
360	4.111	0.65	.6753113
390	4.098	0.64	.6618258
420	4.082	0.62	.6452281
450	4.07	0.61	.6327805
480	4.06	0.60	.6224068
510	4.048	0.59	.6099584

540	4.038	0.58	.5995851
570	4.029	0.57	.5902489
600	4.016	0.56	.5767634

UNCONFINED AQUIFER

K = 0.2E-03 cm/sec
= 4.1 gpd/ft²
= 0.6E-05ft/sec
= 0.5ft/day

REGRESSION COEFFICIENT = -.994185

OB:MW-06-Rise

TIME (seconds)	WATER LEVEL (feet)	DRAWDOWN (feet)	H/H0
24.996	3.91	0.16	1
30	3.891	0.14	.8812504
34.998	3.891	0.14	.8812504
39.996	3.888	0.14	.8624992
45	3.885	0.13	.8437481
49.998	3.891	0.14	.8812504
54.996	3.881	0.13	.8187491
60	3.881	0.13	.8187491
64.998	3.885	0.13	.8437481
69.996	3.881	0.13	.8187491
75	3.881	0.13	.8187491
79.998	3.878	0.13	.8000005
84.996	3.875	0.13	.7812494
90	3.881	0.13	.8187491
94.998	3.875	0.13	.7812494
99.996	3.885	0.13	.8437481
105	3.878	0.13	.8000005
109.998	3.875	0.13	.7812494
114.996	3.878	0.13	.8000005
120	3.878	0.13	.8000005
150	3.881	0.13	.8187491
180	3.875	0.13	.7812494
210	3.875	0.13	.7812494
240	3.869	0.12	.7437496
270	3.866	0.12	.7249986
300	3.872	0.12	.7624983
330	3.869	0.12	.7437496
360	3.869	0.12	.7437496
390	3.866	0.12	.7249986
420	3.869	0.12	.7437496
450	3.872	0.12	.7624983
480	3.862	0.11	.6999995
510	3.866	0.12	.7249986
540	3.862	0.11	.6999995
570	3.859	0.11	.6812485
600	3.862	0.11	.6999995

UNCONFINED AQUIFER

K = 0.8E-04 cm/sec
= 1.7 gpd/ft2
= 0.3E-05ft/sec
= 0.2ft/day

REGRESSION COEFFICIENT = -.8540228

OB:MW-07-Rise

TIME (seconds)	WATER LEVEL (feet)	DRAWDOWN (feet)	H/H0
1.998	4.535	0.18	1
3	4.532	0.18	.9837849
3.996	4.529	0.18	.9675678
4.998	4.532	0.18	.9837849
6	4.529	0.18	.9675678
6.996	4.529	0.18	.9675678
7.998	4.529	0.18	.9675678
9	4.529	0.18	.9675678
9.996	4.526	0.18	.9513527
10.998	4.526	0.18	.9513527
12	4.522	0.17	.9297298
12.996	4.522	0.17	.9297298
13.998	4.522	0.17	.9297298
15	4.522	0.17	.9297298
15.996	4.522	0.17	.9297298
16.998	4.522	0.17	.9297298
18	4.522	0.17	.9297298
18.996	4.526	0.18	.9513527
19.998	4.526	0.18	.9513527
24.996	4.522	0.17	.9297298
30	4.519	0.17	.9135148
34.998	4.513	0.16	.8810825
39.996	4.513	0.16	.8810825
45	4.513	0.16	.8810825
49.998	4.513	0.16	.8810825
54.996	4.513	0.16	.8810825
60	4.51	0.16	.8648674
64.998	4.51	0.16	.8648674
69.996	4.51	0.16	.8648674
75	4.506	0.16	.8432446
79.998	4.503	0.15	.8270274
84.996	4.503	0.15	.8270274
90	4.5	0.15	.8108123
94.998	4.5	0.15	.8108123
99.996	4.5	0.15	.8108123
105	4.497	0.15	.7945972
109.998	4.497	0.15	.7945972
114.996	4.494	0.14	.7783801
120	4.494	0.14	.7783801
150	4.49	0.14	.7567571
180	4.484	0.13	.724327
210	4.478	0.13	.6918948
240	4.478	0.13	.6918948
270	4.474	0.12	.6702719
300	4.468	0.12	.6378397
330	4.465	0.12	.6216246
360	4.458	0.11	.5837866
390	4.458	0.11	.5837866
420	4.455	0.11	.5675674
450	4.452	0.10	.5513523
480	4.455	0.11	.5675674
510	4.446	0.10	.5189201
540	4.446	0.10	.5189201

UNCONFINED AQUIFER

K = 0.3E-03 cm/sec
= 5.3 gpd/ft²
= 0.8E-05ft/sec
= 0.7ft/day

REGRESSION COEFFICIENT = -.9856104

OB:MW-08-Rise

TIME (seconds)	WATER LEVEL (feet)	DRAWDOWN (feet)	H/H0
1.2	3.962	0.46	1
1.398	3.924	0.42	.9177499
1.596	3.883	0.38	.8290051
1.8	3.87	0.37	.8008657
1.998	3.896	0.40	.8571428
3	3.889	0.39	.841992
3.996	3.889	0.39	.841992
4.998	3.889	0.39	.841992
6	3.889	0.39	.841992
6.996	3.889	0.39	.841992
7.998	3.886	0.39	.8354981
9	3.886	0.39	.8354981
9.996	3.886	0.39	.8354981
10.998	3.883	0.38	.8290051
12	3.883	0.38	.8290051
12.996	3.883	0.38	.8290051
13.998	3.883	0.38	.8290051
15	3.88	0.38	.822512
15.996	3.88	0.38	.822512
16.998	3.88	0.38	.822512
18	3.883	0.38	.8290051
18.996	3.877	0.38	.8160181
19.998	3.877	0.38	.8160181
24.996	3.88	0.38	.822512
30	3.867	0.37	.7943726
34.998	3.867	0.37	.7943726
39.996	3.858	0.36	.7748926
45	3.858	0.36	.7748926
49.998	3.848	0.35	.7532471
54.996	3.845	0.35	.7467541
60	3.845	0.35	.7467541
64.998	3.842	0.34	.7402602
69.996	3.839	0.34	.7337663
75	3.836	0.34	.7272733
79.998	3.832	0.33	.7186148
84.996	3.829	0.33	.7121217
90	3.829	0.33	.7121217
94.998	3.829	0.33	.7121217
99.996	3.823	0.32	.6991348
105	3.817	0.32	.6861478
109.998	3.823	0.32	.6991348
114.996	3.813	0.31	.6774893
120	3.813	0.31	.6774893
150	3.81	0.31	.6709962
180	3.785	0.29	.6168838
210	3.776	0.28	.597403
240	3.763	0.26	.5692645
270	3.753	0.25	.5476198
300	3.747	0.25	.534632
330	3.738	0.24	.515152
360	3.728	0.23	.4935065
390	3.722	0.22	.4805196
420	3.715	0.21	.465368
450	3.703	0.20	.4393941

480	3.706	0.21	.445888
510	3.696	0.20	.4242434
540	3.687	0.19	.4047625
570	3.687	0.19	.4047625
600	3.687	0.19	.4047625
720	3.665	0.16	.3571432
840	3.646	0.15	.3160177

UNCONFINED AQUIFER

K = 0.7E-04 cm/sec
= 1.4 gpd/ft²
= 0.2E-05ft/sec
= 0.2ft/day

REGRESSION COEFFICIENT = -.9843439

OB:MW-10-Rise

TIME (seconds)	WATER LEVEL (feet)	DRAWDOWN (feet)	H/H0
1.398	4.177	0.58	1
1.596	4.177	0.58	1
1.8	4.1	0.50	.8665512
1.998	4.033	0.43	.7504333
3	4.068	0.47	.8110915
3.996	4.084	0.48	.8388214
4.998	4.078	0.48	.8284228
6	4.071	0.47	.8162911
6.996	4.065	0.47	.8058925
7.998	4.062	0.46	.8006929
9	4.055	0.45	.7885611
9.996	4.052	0.45	.7833621
10.998	4.049	0.45	.7781626
12	4.052	0.45	.7833621
12.996	4.046	0.45	.7729636
13.998	4.046	0.45	.7729636
15	4.046	0.45	.7729636
15.996	4.043	0.44	.7677647
16.998	4.036	0.44	.7556323
18	4.059	0.46	.795494
18.996	4.046	0.45	.7729636
19.998	4.03	0.43	.7452344
24.996	4.02	0.42	.727903
30	4.014	0.41	.7175045
34.998	4.004	0.40	.7001738
39.996	3.998	0.40	.6897745
45	3.994	0.39	.6828424
49.998	3.988	0.39	.6724431
54.996	3.969	0.37	.639515
60	3.969	0.37	.639515
64.998	3.969	0.37	.639515
69.996	3.956	0.36	.6169846
75	3.95	0.35	.6065861
79.998	3.956	0.36	.6169846
84.996	3.959	0.36	.6221836
90	3.94	0.34	.5892547
94.998	3.924	0.32	.5615254
99.996	3.924	0.32	.5615254
105	3.924	0.32	.5615254
109.998	3.914	0.31	.5441941
114.996	3.908	0.31	.5337955
120	3.911	0.31	.5389951
150	3.882	0.28	.4887349
180	3.86	0.26	.4506064
210	3.831	0.23	.4003468
240	3.815	0.22	.3726168
270	3.802	0.20	.3500865
300	3.793	0.19	.3344884
330	3.773	0.17	.2998263
360	3.764	0.16	.2842288
390	3.761	0.16	.2790292
420	3.745	0.14	.2512992
450	3.735	0.13	.2339685
480	3.732	0.13	.2287696

510	3.719	0.12	.2062393
540	3.716	0.12	.2010397
570	3.706	0.11	.183709
600	3.7	0.10	.1733104
720	3.684	0.08	.1455805
840	3.665	0.07	.1126516

UNCONFINED AQUIFER

$K = 0.2E-03 \text{ cm/sec}$
 $= 3.3 \text{ gpd/ft}^2$
 $= 0.5E-05 \text{ ft/sec}$
 $= 0.4 \text{ ft/day}$

REGRESSION COEFFICIENT = -0.9880422

OB:MW-11-Rise

TIME (seconds)	WATER LEVEL (feet)	DRAWDOWN (feet)	H/H0
13.998	6.021	2.02	1
15	5.937	1.94	.9584362
15.996	5.867	1.87	.9238002
16.998	5.8	1.80	.8906482
18	5.732	1.73	.8570015
18.996	5.643	1.64	.812964
19.998	5.531	1.53	.7575458
24.996	5.294	1.29	.6402771
30	5.063	1.06	.5259775
34.998	4.874	0.87	.4324592
39.996	4.72	0.72	.3562592
45	4.598	0.60	.2958932
49.998	4.499	0.50	.2469075
54.996	4.419	0.42	.2073231
60	4.355	0.36	.1756556
64.998	4.304	0.30	.1504205
69.996	4.262	0.26	.1296388
75	4.23	0.23	.1138051
79.998	4.205	0.20	.1014348
84.996	4.182	0.18	9.005457E-02
90	4.163	0.16	8.065311E-02

UNCONFINED AQUIFER

K = 0.2E-02 cm/sec
= 38.6 gpd/ft2
= 0.6E-04ft/sec
= 5.2ft/day

REGRESSION COEFFICIENT = -.996663

OB:MW-14-Rise

TIME (seconds)	WATER LEVEL (feet)	DRAWDOWN (feet)	H/H0
1.8	5.824	1.82	1
1.998	5.533	1.53	.8404605
3	5.324	1.32	.7258772
3.996	5.346	1.35	.7379386
4.998	5.331	1.33	.7297149
6	5.308	1.31	.7171053
6.996	5.293	1.29	.7088818
7.998	5.277	1.28	.7001096
9	5.264	1.26	.6929824
9.996	5.248	1.25	.6842106
10.998	5.236	1.24	.6776317
12	5.223	1.22	.6705045
12.996	5.21	1.21	.6633773
13.998	5.198	1.20	.6567982
15	5.188	1.19	.6513161
15.996	5.176	1.18	.6447369
16.998	5.166	1.17	.6392543
18	5.153	1.15	.6321271
18.996	5.144	1.14	.6271931
19.998	5.131	1.13	.6200659
24.996	5.084	1.08	.5942983
30	5.04	1.04	.5701754
34.998	4.999	1.00	.5476975
39.996	4.961	0.96	.5268641
45	4.926	0.93	.5076755
49.998	4.891	0.89	.4884868
54.996	4.859	0.86	.4709432
60	4.831	0.83	.4555921
64.998	4.803	0.80	.4402413
69.996	4.777	0.78	.425987
75	4.752	0.75	.4122806
79.998	4.727	0.73	.3985748
84.996	4.708	0.71	.3881581
90	4.686	0.69	.3760964
94.998	4.667	0.67	.3656798
99.996	4.648	0.65	.3552631
105	4.629	0.63	.3448467
109.998	4.61	0.61	.3344298
114.996	4.594	0.59	.3256578
120	4.578	0.58	.316886
150	4.493	0.49	.2702851

UNCONFINED AQUIFER

K = 0.4E-03 cm/sec
 = 8.4 gpd/ft²
 = 0.1E-04ft/sec
 = 1.1ft/day

REGRESSION COEFFICIENT = -.979656

OB:MW-18-Rise

TIME (seconds)	WATER LEVEL (feet)	DRAWDOWN (feet)	H/H0
3.996	3.082	0.38	1
4.998	3.035	0.34	.8769632
6	3.035	0.34	.8769632
6.996	3.028	0.33	.8586385
7.998	3.019	0.32	.8350785
9	3.013	0.31	.8193713
9.996	3.006	0.31	.8010471
10.998	3	0.30	.7853398
12	2.994	0.29	.7696331
12.996	2.99	0.29	.7591623
13.998	2.984	0.28	.7434551
15	2.978	0.28	.7277484
15.996	2.975	0.27	.7198951
16.998	2.975	0.27	.7198951
18	2.968	0.27	.7015704
18.996	2.965	0.26	.693717
19.998	2.962	0.26	.6858637
24.996	2.943	0.24	.6361256
30	2.927	0.23	.5942408
34.998	2.915	0.21	.5628269
39.996	2.902	0.20	.5287955
45	2.892	0.19	.5026174
49.998	2.883	0.18	.4790574
54.996	2.877	0.18	.4633507
60	2.864	0.16	.4293193
64.998	2.858	0.16	.4136126
69.996	2.848	0.15	.3874345
75	2.845	0.14	.3795812
79.998	2.835	0.13	.3534032
84.996	2.826	0.13	.3298426
90	2.823	0.12	.3219892
94.998	2.813	0.11	.2958112
99.996	2.81	0.11	.2879578
105	2.807	0.11	.2801045
109.998	2.801	0.10	.2643983
114.996	2.798	0.10	.2565444
120	2.791	0.09	.2382197
150	2.766	0.07	.1727749
180	2.747	0.05	.1230363

UNCONFINED AQUIFER

K = 0.6E-03 cm/sec
= 12.5 gpd/ft²
= 0.2E-04ft/sec
= 1.7ft/day

REGRESSION COEFFICIENT = -.9958992

OB:MW-21-Rise

TIME (seconds)	WATER LEVEL (feet)	DRAWDOWN (feet)	H/H0
6.996	5.916	1.99	1
7.998	5.833	1.90	.9582076
9	5.702	1.77	.8922458
9.996	5.82	1.89	.9516617
10.998	5.785	1.85	.9340383
12	5.743	1.81	.9128904
12.996	5.779	1.85	.9310172
13.998	5.763	1.83	.9229609
15	5.747	1.82	.9149044
15.996	5.756	1.83	.9194362
16.998	5.75	1.82	.9164149
18	5.74	1.81	.9113795
18.996	5.74	1.81	.9113795
19.998	5.737	1.81	.9098692
24.996	5.718	1.79	.9003021
30	5.699	1.77	.8907351
34.998	5.682	1.75	.8821752
39.996	5.666	1.74	.8741188
45	5.65	1.72	.8660625
49.998	5.638	1.71	.8600202
54.996	5.622	1.69	.8519638
60	5.609	1.68	.8454181
64.998	5.596	1.67	.8388721
69.996	5.583	1.65	.8323263
75	5.574	1.64	.8277946
79.998	5.558	1.63	.8197383
84.996	5.548	1.62	.8147029
90	5.535	1.60	.8081571
94.998	5.526	1.60	.8036255
99.996	5.513	1.58	.7970797
105	5.503	1.57	.7920441
109.998	5.49	1.56	.7854985
114.996	5.481	1.55	.7809667
120	5.471	1.54	.7759316
150	5.41	1.48	.7452165
180	5.356	1.43	.7180261
210	5.305	1.37	.6923464
240	5.26	1.33	.669688
270	5.212	1.28	.6455186
300	5.173	1.24	.6258811
330	5.135	1.21	.6067474
360	5.096	1.17	.58711
390	5.058	1.13	.5679759
420	5.029	1.10	.5533736

UNCONFINED AQUIFER

K = 0.6E-04 cm/sec
= 1.2 gpd/ft²
= 0.2E-05ft/sec
= 0.2ft/day

REGRESSION COEFFICIENT = -.9892422

OB:MW-22-Rise

TIME (seconds)	WATER LEVEL (feet)	DRAWDOWN (feet)	H/H0
.996	4.493	0.49	1
1.2	4.467	0.47	.9472617
1.398	4.42	0.42	.8519269
1.596	4.376	0.38	.7626777
1.8	4.36	0.36	.730223
1.998	4.376	0.38	.7626777
3	4.369	0.37	.7484788
3.996	4.392	0.39	.7951323
4.998	4.363	0.36	.7363077
6	4.338	0.34	.6855979
6.996	4.338	0.34	.6855979
7.998	4.331	0.33	.6713991
9	4.316	0.32	.6409737
9.996	4.309	0.31	.6267749
10.998	4.303	0.30	.6146046
12	4.297	0.30	.6024335
12.996	4.29	0.29	.5882354
13.998	4.287	0.29	.5821506
15	4.281	0.28	.5699803
15.996	4.275	0.28	.5578092
16.998	4.271	0.27	.5496951
18	4.262	0.26	.5314401
18.996	4.262	0.26	.5314401
19.998	4.262	0.26	.5314401
24.996	4.24	0.24	.4868151
30	4.224	0.22	.4543611
34.998	4.208	0.21	.4219072
39.996	4.199	0.20	.4036506
45	4.192	0.19	.3894525
49.998	4.183	0.18	.3711966
54.996	4.173	0.17	.3509123
60	4.17	0.17	.3448275
64.998	4.164	0.16	.3326572
69.996	4.158	0.16	.3204869
75	4.148	0.15	.3002025
79.998	4.136	0.14	.2758626
84.996	4.136	0.14	.2758626
90	4.132	0.13	.2677485
94.998	4.129	0.13	.2616638
99.996	4.126	0.13	.2555782
105	4.116	0.12	.2352946
109.998	4.116	0.12	.2352946
114.996	4.116	0.12	.2352946
120	4.11	0.11	.2231235
150	4.088	0.09	.1784985
180	4.072	0.07	.1460446
210	4.063	0.06	.1277895
240	4.053	0.05	.1075051
270	4.044	0.04	8.925004E-02
300	4.034	0.03	6.896565E-02
330	4.034	0.03	6.896565E-02
360	4.028	0.03	5.679455E-02
390	4.025	0.03	5.070979E-02
420	4.018	0.02	3.651095E-02

OB:MW-23-Rise

TIME (seconds)	WATER LEVEL (feet)	DRAWDOWN (feet)	H/H0
.198	4.145	0.60	1
.396	4.078	0.53	.8873949
.6	4.059	0.51	.8554622
.798	4.052	0.50	.8436974
.996	4.043	0.49	.8285718
1.2	4.03	0.48	.8067231
1.398	4.02	0.47	.7899161
1.596	4.011	0.46	.7747904
1.8	4.001	0.45	.7579833
1.998	3.992	0.44	.7428571
3	3.947	0.40	.667227
3.996	3.908	0.36	.6016808
4.998	3.873	0.32	.5428571
6	3.844	0.29	.494118
6.996	3.822	0.27	.457143
7.998	3.799	0.25	.4184878
9	3.783	0.23	.3915968
9.996	3.764	0.21	.3596641
10.998	3.748	0.20	.3327731
12	3.735	0.18	.3109244
12.996	3.722	0.17	.2890757
13.998	3.71	0.16	.2689077
15	3.7	0.15	.2521013
15.996	3.69	0.14	.2352943
16.998	3.684	0.13	.2252103
18	3.674	0.12	.2084039
18.996	3.671	0.12	.2033615
19.998	3.665	0.12	.1932776
24.996	3.633	0.08	.1394962
30	3.617	0.07	.1126051

UNCONFINED AQUIFER

K = 0.4E-02 cm/sec
= 84.5 gpd/ft²
= 0.1E-03ft/sec
= 11.3ft/day

REGRESSION COEFFICIENT = -.9899734

450	4.022	0.02	4.462423E-02
480	4.015	0.01	.0304254
510	4.015	0.01	.0304254
540	4.012	0.01	2.434063E-02

UNCONFINED AQUIFER

K = 0.2E-03 cm/sec
= 4.7 gpd/ft²
= 0.7E-05ft/sec
= 0.6ft/day

REGRESSION COEFFICIENT = -.9784442

OB:MW-29-Rise

TIME (seconds)	WATER LEVEL (feet)	DRAWDOWN (feet)	H/H0
.6	5.184	0.58	1
.798	5.074	0.47	.8116435
.996	4.96	0.36	.6164385
1.2	4.954	0.35	.6061646
1.398	4.988	0.39	.6643833
1.596	4.995	0.39	.6763696
1.8	4.969	0.37	.6318491
1.998	4.944	0.34	.589041
3	4.919	0.32	.546233
3.996	4.897	0.30	.5085615
4.998	4.881	0.28	.4811646
6	4.865	0.26	.4537671
6.996	4.859	0.26	.4434939
7.998	4.843	0.24	.4160957
9	4.833	0.23	.3989734
9.996	4.827	0.23	.3886988
10.998	4.821	0.22	.3784249
12	4.808	0.21	.3561646
12.996	4.802	0.20	.3458907
13.998	4.796	0.20	.3356168
15	4.786	0.19	.3184932
15.996	4.78	0.18	.30822
16.998	4.773	0.17	.2962329
18	4.77	0.17	.2910963
18.996	4.761	0.16	.2756851
19.998	4.758	0.16	.2705478
24.996	4.732	0.13	.2260273
30	4.716	0.12	.1986305
34.998	4.701	0.10	.172946
39.996	4.685	0.09	.1455485
45	4.679	0.08	.1352739
49.998	4.669	0.07	.118151
54.996	4.666	0.07	.1130137
60	4.66	0.06	.1027398
64.998	4.647	0.05	8.047951E-02
69.996	4.647	0.05	8.047951E-02

UNCONFINED AQUIFER

K = 0.2E-02 cm/sec
= 35.8 gpd/ft2
= 0.6E-04ft/sec
= 4.8ft/day

REGRESSION COEFFICIENT = -.9703474

DB:MW-32-Rise

TIME (seconds)	WATER LEVEL (feet)	DRAWDOWN (feet)	H/H0
7.998	4.628	1.51	1
10.998	4.567	1.45	.959549
12.996	4.535	1.42	.9383289
15	4.522	1.40	.9297082
15.996	4.522	1.40	.9297082
16.998	4.519	1.40	.9277189
18	4.51	1.39	.9217509
18.996	4.506	1.39	.9190982
19.998	4.503	1.38	.9171088
24.996	4.481	1.36	.9025201
30	4.458	1.34	.8872682
34.998	4.439	1.32	.8746685
39.996	4.42	1.30	.8620691
45	4.401	1.28	.8494696
49.998	4.385	1.27	.8388597
54.996	4.369	1.25	.8282495
60	4.353	1.23	.8176395
64.998	4.337	1.22	.8070291
69.996	4.324	1.20	.7984085
75	4.311	1.19	.7897877
79.998	4.295	1.18	.7791778
84.998	4.282	1.18	.7705571
90	4.269	1.15	.7619365
94.998	4.257	1.14	.753979
99.996	4.244	1.12	.7453583
105	4.234	1.11	.7387271
109.998	4.221	1.10	.7301064
114.996	4.209	1.09	.7221486
120	4.199	1.08	.7155172
150	4.132	1.01	.6710877
180	4.074	0.95	.632626
210	4.02	0.90	.5968171
240	3.972	0.85	.5649868
270	3.927	0.81	.535146
300	3.885	0.77	.5072944

UNCONFINED AQUIFER

K = 0.1E-03 cm/sec
 = 2.5 gpd/ft²
 = 0.4E-05ft/sec
 = 0.3ft/day

REGRESSION COEFFICIENT = -.9923736

w24rise MW24 OB		w27rise MW27 OB		w28rise MW28 OB		w30rise MW30 OB		w31rise MW31 OB	
0.0066	4.629	0.0666	5.288	0.0833	7.000	0.0233	8.800	0.0066	3.502
0.01	4.632	0.0833	5.222	0.1	6.994	0.0266	8.512	0.01	2.835
0.0133	4.629	0.1	5.168	0.1166	6.987	0.03	8.374	0.0133	3.452
0.0166	4.622	0.1166	5.118	0.1333	6.981	0.0333	8.339	0.0166	4.912
0.02	4.622	0.1333	5.070	0.15	6.975	0.05	8.147	0.02	3.291
0.0233	4.619	0.15	5.026	0.1666	6.971	0.0666	7.977	0.0233	3.973
0.0266	4.619	0.1666	4.985	0.1833	6.968	0.0833	7.820	0.0266	4.921
0.03	4.616	0.1833	4.944	0.2	6.965	0.1	7.692	0.03	4.655
0.0333	4.613	0.2	4.906	0.2166	6.959	0.1166	7.567	0.0333	4.719
0.05	4.606	0.2166	4.868	0.2333	6.956	0.1333	7.445	0.05	5.525
0.0666	4.600	0.2333	4.836	0.25	6.952	0.15	7.330	0.0666	5.509
0.0833	4.593	0.25	4.802	0.2666	6.946	0.1666	7.215	0.0833	5.500
0.1	4.587	0.2666	4.770	0.2833	6.943	0.1833	7.112	0.1	5.490
0.1166	4.581	0.2833	4.738	0.3	6.940	0.2	7.010	0.1166	5.471
0.1333	4.577	0.3	4.710	0.3166	6.937	0.2166	6.910	0.1333	5.477
0.15	4.571	0.3166	4.681	0.3333	6.934	0.2333	6.817	0.15	5.449
0.1666	4.568	0.3333	4.653	0.4166	6.915	0.25	6.728	0.1666	5.440
0.1833	4.565	0.4166	4.526	0.5	6.896	0.2666	6.641	0.1833	5.433
0.2	4.558	0.5	4.419	0.5833	6.880	0.2833	6.561	0.2	5.424
0.2166	4.555	0.5833	4.327	0.6666	6.861	0.3	6.481	0.2166	5.414
0.2333	4.552	0.6666	4.248	0.75	6.845	0.3166	6.407	0.2333	5.405
0.25	4.549	0.75	4.182	0.8333	6.829	0.3333	6.334	0.25	5.398
0.2666	4.542	0.8333	4.122	0.9166	6.813	0.4166	6.007	0.2666	5.389
0.2833	4.542	0.9166	4.068	1	6.798	0.5	5.751	0.2833	5.379
0.3	4.536	1	4.024	1.0833	6.779	0.5833	5.546	0.3	5.373
0.3166	4.533	1.0833	3.983	1.1666	6.763	0.6666	5.386	0.3166	5.367
0.3333	4.529	1.1666	3.948	1.25	6.747	0.75	5.261	0.3333	5.357
0.4166	4.510	1.25	3.916	1.3333	6.734	0.8333	5.165	0.4166	5.323
0.5	4.497	1.3333	3.888	1.4166	6.719	0.9166	5.091	0.5	5.285
0.5833	4.481	1.4166	3.863	1.5	6.703	1	5.033	0.5833	5.253
0.6666	4.469	1.5	3.840	1.5833	6.687	1.0833	4.992	0.6666	5.218
0.75	4.456	1.5833	3.818	1.6666	6.671	1.1666	4.960	0.75	5.187
0.8333	4.446	1.6666	3.799	1.75	6.658	1.25	4.934	0.8333	5.155
0.9166	4.433	1.75	3.784	1.8333	6.643	1.3333	4.915	0.9166	5.127
1	4.424	1.8333	3.768	1.9166	6.630	1.4166	4.899	1	5.098
1.0833	4.417	1.9166	3.755	2	6.617	1.5	4.889	1.0833	5.070
1.1666	4.408	2	3.742	2.5	6.532	1.5833	4.880	1.1666	5.044
1.25	4.398	2.5	3.689	3	6.453	1.6666	4.870	1.25	5.016
1.3333	4.392	3	3.654	3.5	6.380	1.75	4.864	1.3333	4.994
1.4166	4.385	3.5	3.632	4	6.311	1.8333	4.860	1.4166	4.968
1.5	4.376	4	3.616	4.5	6.244	1.9166	4.857	1.5	4.943
1.5833	4.369	4.5	3.603	5	6.184	2	4.854	1.5833	4.918
1.6666	4.366	5	3.594	5.5	6.124	2.5	4.841	1.6666	4.896
1.75	4.360	5.5	3.587	6	6.070	3	4.835	1.75	4.877
1.8333	4.353	6	3.581	6.5	6.017	3.5	4.832	1.8333	4.855
1.9166	4.347	6.5	3.578	7	5.966	4	4.828	1.9166	4.833
2	4.344	7	3.572	7.5	5.922	4.5	4.825	2	4.810
2.5	4.318	7.5	3.569	8	5.874	5	4.822	2.5	4.697
3	4.299	8	3.569	8.5	5.833	5.5	4.822	3	4.599
3.5	4.283	8.5	3.565	9	5.792	6	4.822	3.5	4.507
4	4.270	9	3.562	9.5	5.754	6.5	4.822	4	4.431
4.5	4.260	9.5	3.559	10	5.719	7	4.822	4.5	4.358
5	4.254	10	3.556	12	5.590	7.5	4.822	5	4.298
5.5	4.244	12	3.550	14	5.486	8	4.819	5.5	4.244
6	4.238	14	3.538	16	5.397	8.5	4.819	6	4.191
6.5	4.235	16	3.528	18	5.327	9	4.816	6.5	4.146
7	4.228	18	3.519	20	5.271	9.5	4.816	7	4.105
7.5	4.225	20	3.509	22	5.223	10	4.816	7.5	4.071
8	4.222	22	3.506	24	5.185	12	4.816	8	4.036
8.5	4.219	24	3.494	26	5.157	14	4.816	8.5	4.007
9	4.216	26	3.487	28	5.128	16	4.816	9	3.982
9.5	4.212	28	3.487	30	5.112	18	4.812	9.5	3.954

Client _____ Job No. _____ Sheet _____ of _____

Subject _____ By _____ Date _____

Ckd. _____ Rev. _____

Horslev (1951) Hydraulic Conductivity Calculations

MW-24

$$k = \frac{(.166)^2 \ln \frac{(2)(1)(2)}{.854}}{(8)(2)(86)}$$

$$k = \frac{(.028)(1.54)}{1376}$$

$$k = 3.13 \times 10^{-5} \text{ ft/min} \times .5080 = 1.59 \times 10^{-5} \text{ cm/sec}$$

MW-25

$$k = \frac{(.166)^2 \ln \frac{(2)(1)(5)}{.854}}{(8)(5)(84)}$$

$$k = \frac{(.028)(2.46)}{3360}$$

$$k = 2.05 \times 10^{-5} \text{ ft/min} \times .5080 = 1.04 \times 10^{-5} \text{ cm/sec}$$

MW-27

$$k = \frac{(.166)^2 \ln \frac{(2)(1)(5)}{.854}}{8)(5)(3.2)}$$

$$k = \frac{(.028)(2.46)}{128}$$

$$k = 5.38 \times 10^{-4} \text{ ft/min} \times .5080 = 2.73 \times 10^{-4} \text{ cm/sec}$$

Client _____ Job No. _____ Sheet _____ of _____

Subject _____ By _____ Date _____

Ckd. _____ Rev. _____

Horslev (1951) Hydraulic Conductivity Calculations (cont.)

MW-28

$$k = \frac{(.166)^2 \ln \frac{(2)(1)(2)}{.854}}{(8)(2)(45.5)}$$

$$k = \frac{(.028)(4.68)}{728}$$

$$k = 1.8 \times 10^{-4} \text{ ft/min} \times .5080 = 9.14 \times 10^{-5} \text{ cm/sec}$$

MW-30

$$k = \frac{(.166)^2 \ln \frac{(2)(1)(2)}{.854}}{(8)(2)(0.8)}$$

$$k = \frac{(.028)(4.68)}{12.8}$$

$$k = 1.0 \times 10^{-2} \text{ ft/min} \times .5080 = 5.2 \times 10^{-3} \text{ cm/sec}$$

MW-31

$$k = \frac{(.166)^2 \ln \frac{(2)(1)(2)}{.854}}{(8)(2)(17)}$$

$$k = \frac{(.028)(4.68)}{272}$$

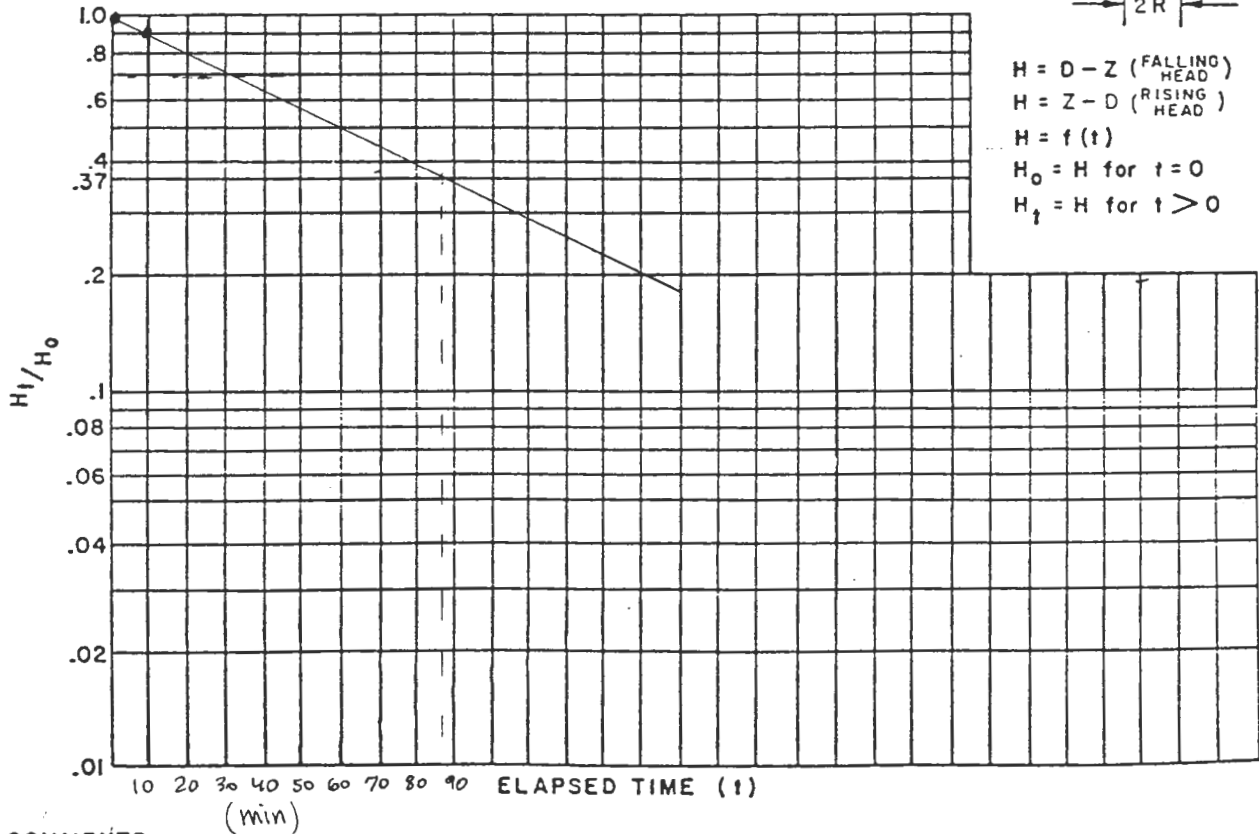
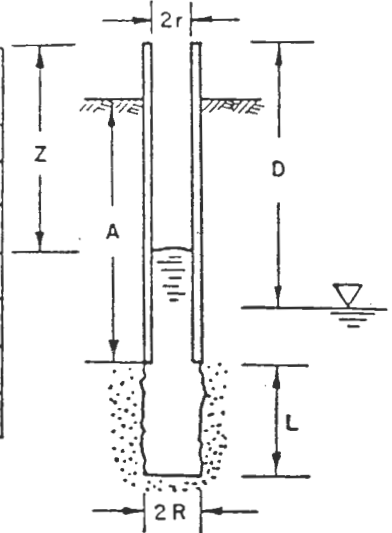
$$k = 4.82 \times 10^{-4} \text{ ft/min} \times .5080 = 2.45 \times 10^{-4} \text{ cm/sec}$$

BOREHOLE PERMEABILITY TEST REPORT

SITE/LOCATION OB Grounds BORING/PIEZ. NO. MW-24
 CONTRACTOR CT MAIN JOB NO. _____ TEST NO. _____
 WELLPOINT STANDPIPE DATE 1/24/92 TEST DEPTH (A) _____
 WATERTABLE DEPTH (D) _____ BORING DEPTH _____ CASING/STANDPIPE DIAM. (2r) _____
 BORING DIAM. (2R) _____ WELLPOINT/UNCASED BORING LENGTH(L) _____
 TYPE OF TEST: FALLING HEAD RISING HEAD CONSTANT FLOW FLOW METER NO. _____
 RIG & CREW TIME _____ GROUND ELEVATION _____ REFERENCE ELEVATION _____
 TAPE/RULE NO. _____ INSPECTOR RWD CHEK'D BY PF-M

TIME	ELAPSED TIME (t)	GALLONS	WATER DEPTH (Z)	ACTIVE HEAD (H)	H _t /H ₀
	0				1.0
		DATA	ATTACHED		

VARIABLE HEAD TEST



COMMENTS:

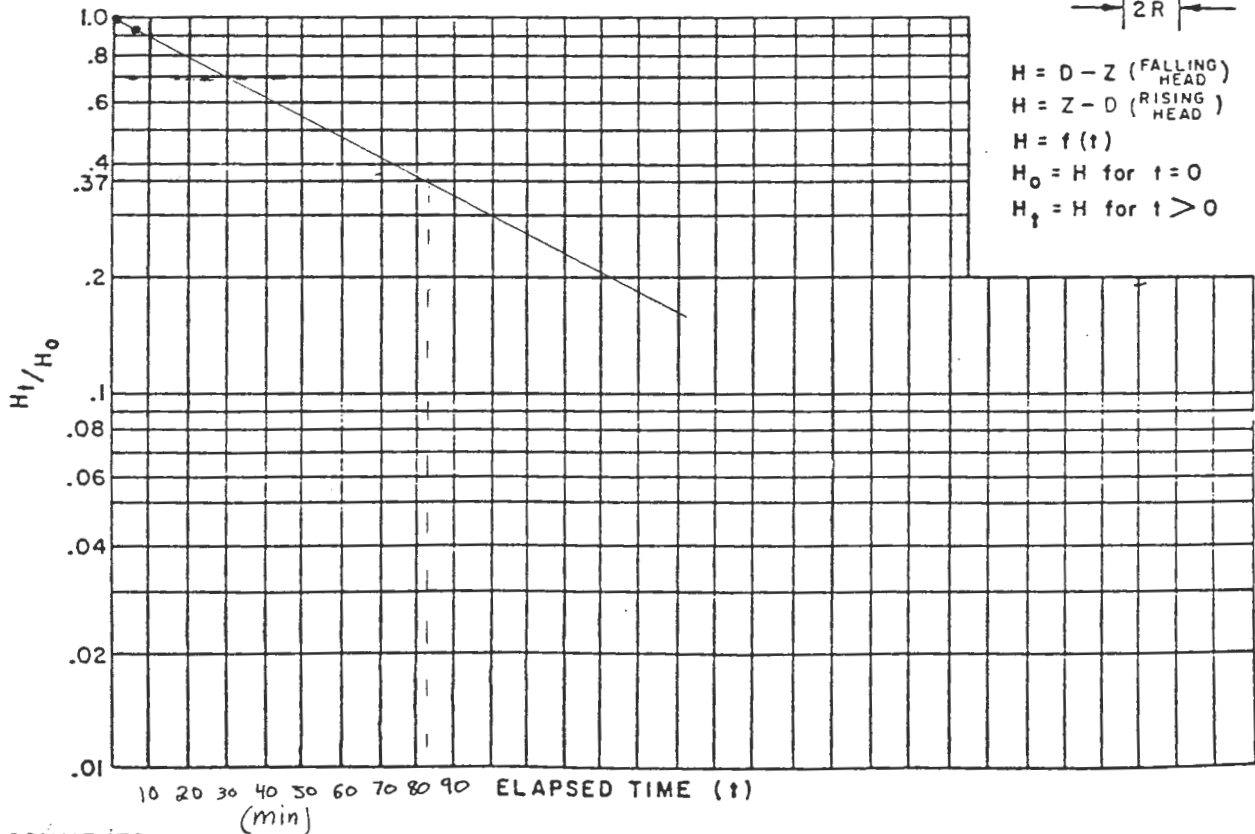
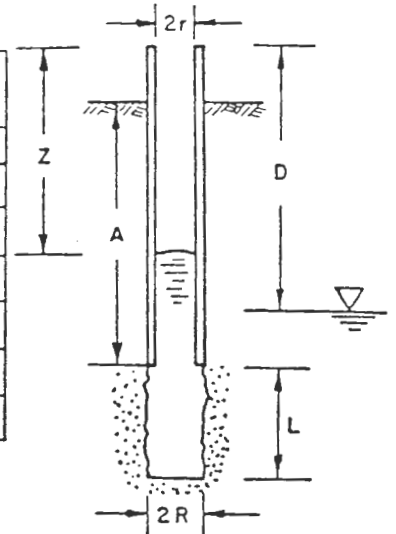
$t = 86$

BOREHOLE PERMEABILITY TEST REPORT

SITE/LOCATION OB Grounds BORING/PIEZ. NO. MW-25
 CONTRACTOR CT MAIN JOB NO. _____ TEST NO. _____
 WELLPOINT STANDPIPE DATE 1/23/92 TEST DEPTH (A) _____
 WATERTABLE DEPTH (D) _____ BORING DEPTH _____ CASING / STANDPIPE DIAM. (2r) _____
 BORING DIAM. (2R) _____ WELLPOINT / UNCASSED BORING LENGTH (L) _____
 TYPE OF TEST: FALLING HEAD RISING HEAD CONSTANT FLOW FLOW METER NO. _____
 RIG & CREW TIME _____ GROUND ELEVATION _____ REFERENCE ELEVATION _____
 TAPE / RULE NO. _____ INSPECTOR RWD CHEK'D BY PF-M

TIME	ELAPSED TIME (t)	GALLONS	WATER DEPTH (Z)	ACTIVE HEAD (H)	H _t / H ₀
	0				1.0
		DATA	ATTACHED		

VARIABLE HEAD TEST



COMMENTS:

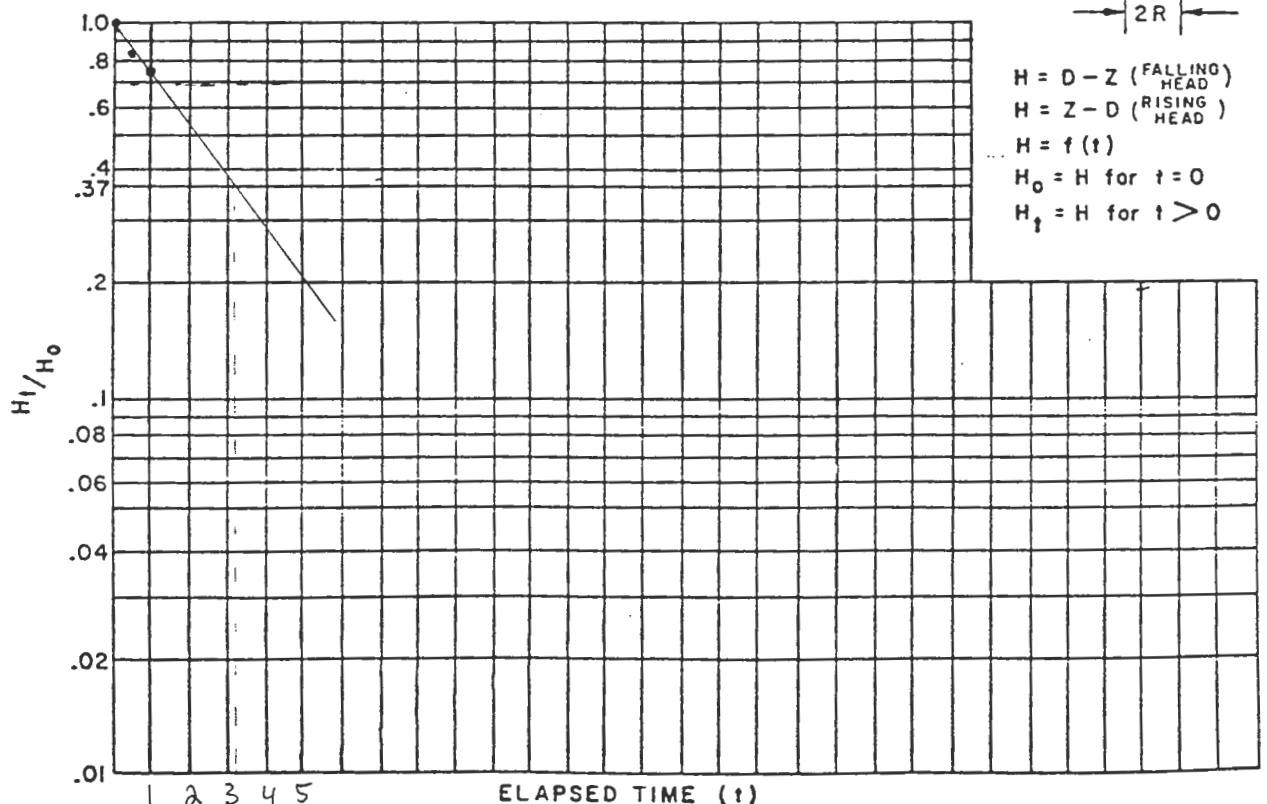
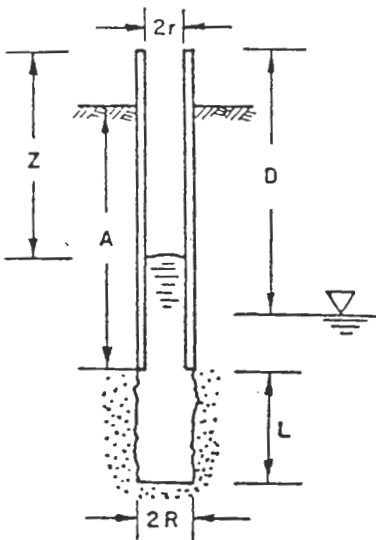
$t = 84$ min

BOREHOLE PERMEABILITY TEST REPORT

SITE/LOCATION OB Grounds BORING/PIEZ. NO. MW-27
 CONTRACTOR _____ JOB NO. _____ TEST NO. _____
 WELLPOINT STANDPIPE DATE 1/23/92 TEST DEPTH (A) _____
 WATERTABLE DEPTH (D) _____ BORING DEPTH _____ CASING / STANDPIPE DIAM. (2r) _____
 BORING DIAM. (2R) _____ WELLPOINT / UNCASSED BORING LENGTH (L) _____
 TYPE OF TEST: FALLING HEAD RISING HEAD CONSTANT FLOW FLOW METER NO. _____
 RIG & CREW TIME _____ GROUND ELEVATION _____ REFERENCE ELEVATION _____
 TAPE / RULE NO. _____ INSPECTOR _____ CHECK'D BY _____

TIME	ELAPSED TIME (t)	GALLONS	WATER DEPTH (Z)	ACTIVE HEAD (H)	H _t / H ₀
	0				1.0
		DATA	ATTACHED		

VARIABLE HEAD TEST



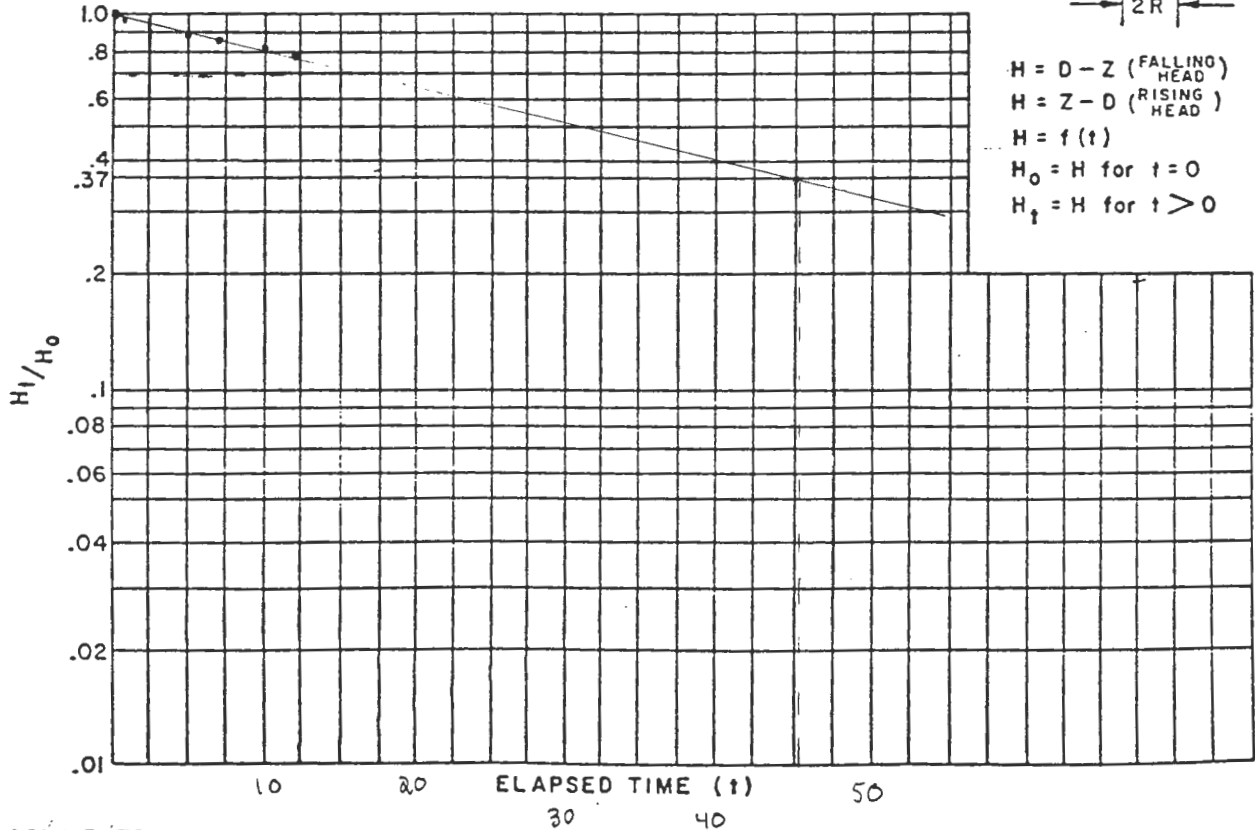
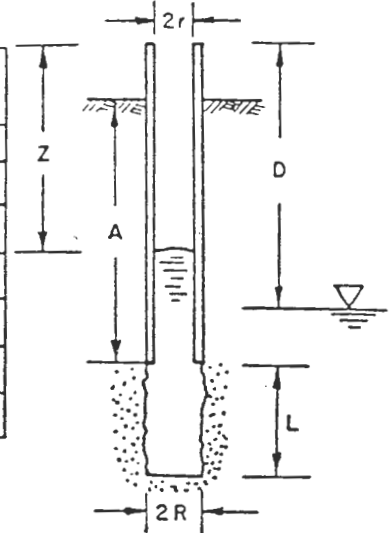
COMMENTS: t = 3.2
(min)

BOREHOLE PERMEABILITY TEST REPORT

SITE/LOCATION OB Grounds BORING/PIEZ. NO. MW-28
 CONTRACTOR CT MAIN JOB NO. _____ TEST NO. _____
 WELLPOINT STANDPIPE DATE 1/28/92 TEST DEPTH (A) _____
 WATERTABLE DEPTH (D) _____ BORING DEPTH _____ CASING / STANDPIPE DIAM. (2r) _____
 BORING DIAM. (2R) _____ WELLPOINT / UNCASSED BORING LENGTH (L) _____
 TYPE OF TEST: FALLING HEAD RISING HEAD CONSTANT FLOW FLOW METER NO. _____
 RIG & CREW TIME _____ GROUND ELEVATION _____ REFERENCE ELEVATION _____
 TAPE / RULE NO. _____ INSPECTOR RWD CHEK'D BY PF-M

TIME	ELAPSED TIME (t)	GALLONS	WATER DEPTH (Z)	ACTIVE HEAD (H)	H _t / H ₀
	0				1.0
		DATA ATTACHED			

VARIABLE HEAD TEST



$H = D - Z$ (FALLING HEAD)
 $H = Z - D$ (RISING HEAD)
 $H = f(t)$
 $H_0 = H$ for $t = 0$
 $H_t = H$ for $t > 0$

COMMENTS:

(min)

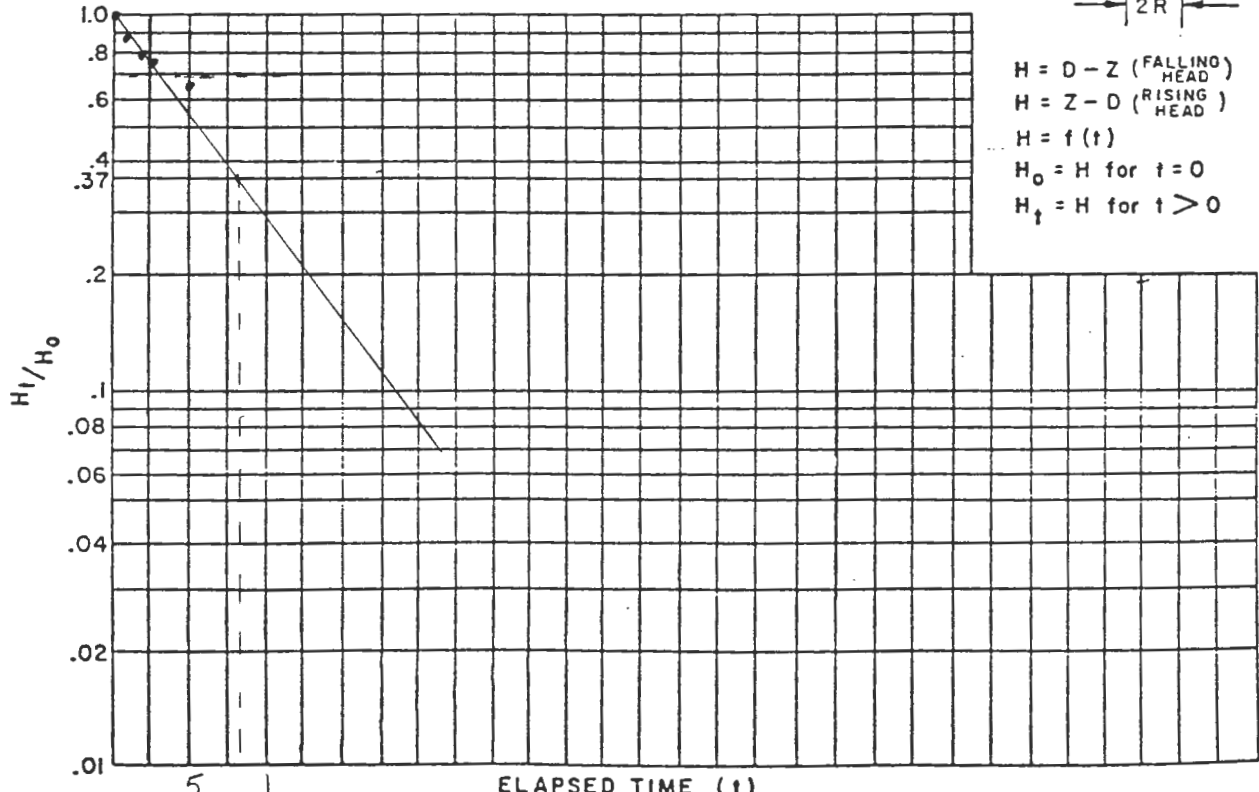
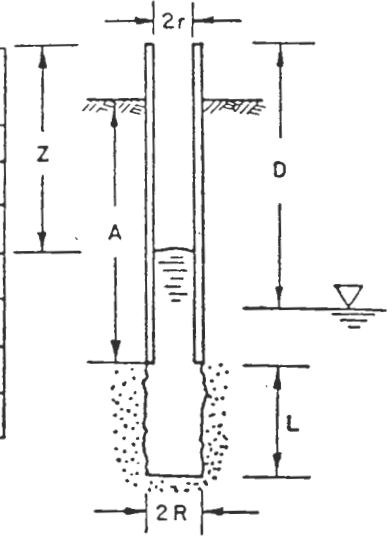
$t = 45.5$

BOREHOLE PERMEABILITY TEST REPORT

SITE/LOCATION OB Grands BORING/PIEZ. NO. MW-30
 CONTRACTOR _____ JOB NO. _____ TEST NO. _____
 WELLPOINT STANDPIPE DATE 1/28/92 TEST DEPTH (A) _____
 WATERTABLE DEPTH (D) _____ BORING DEPTH _____ CASING / STANDPIPE DIAM. (2r) _____
 BORING DIAM. (2R) _____ WELLPOINT / UNCASSED BORING LENGTH (L) _____
 TYPE OF TEST: FALLING HEAD RISING HEAD CONSTANT FLOW FLOW METER NO. _____
 RIG & CREW TIME _____ GROUND ELEVATION _____ REFERENCE ELEVATION _____
 TAPE / RULE NO. _____ INSPECTOR RWD CHEK'D BY PFM

TIME	ELAPSED TIME (t)	GALLONS	WATER DEPTH (Z)	ACTIVE HEAD (H)	H _t /H ₀
	0				1.0
		DATA	ATTACHED		

VARIABLE HEAD TEST



$H = D - Z$ (FALLING HEAD)
 $H = Z - D$ (RISING HEAD)
 $H = f(t)$
 $H_0 = H$ for $t = 0$
 $H_t = H$ for $t > 0$

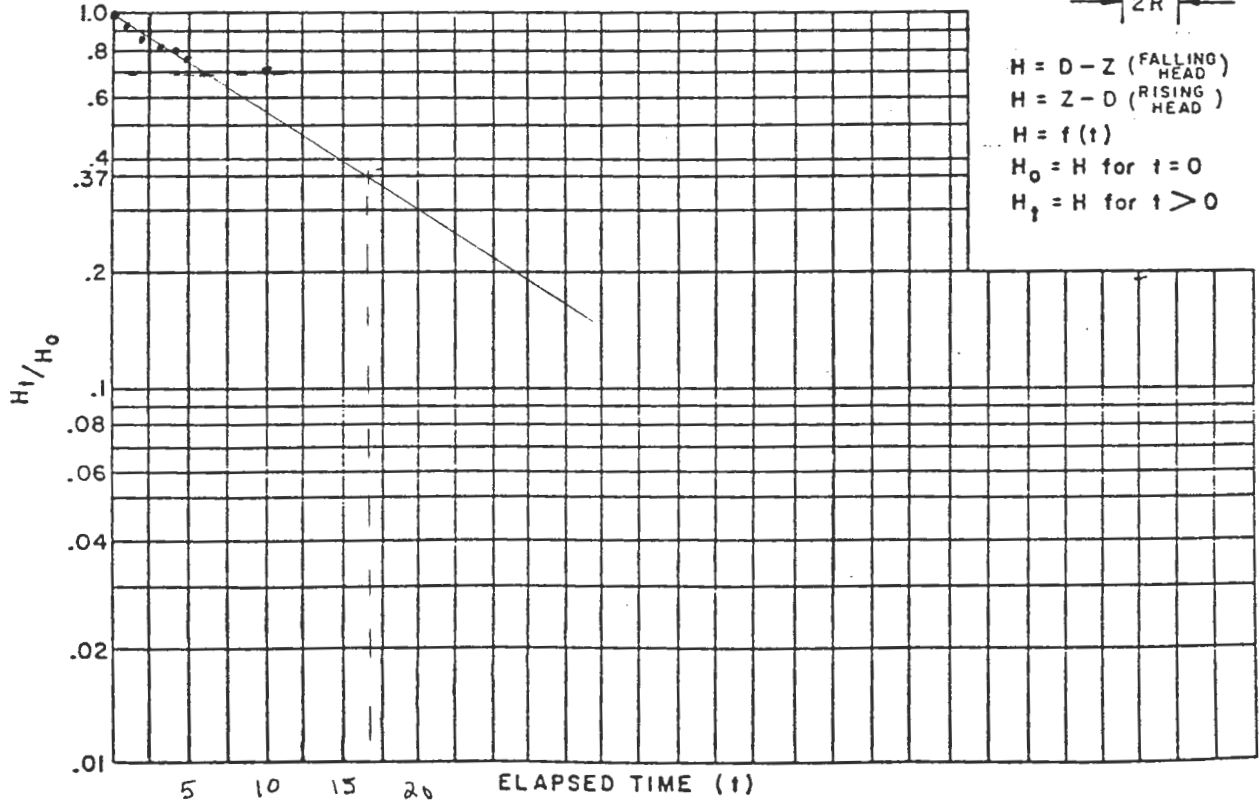
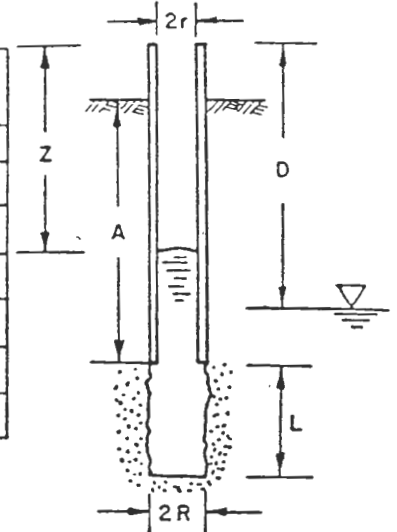
COMMENTS: t = 0.8

BOREHOLE PERMEABILITY TEST REPORT

SITE/LOCATION OB Grounds BORING/PIEZ. NO. MW-31
 CONTRACTOR _____ JOB NO. _____ TEST NO. _____
 WELLPOINT STANDPIPE DATE 1/28/92 TEST DEPTH (A) _____
 WATERTABLE DEPTH (D) _____ BORING DEPTH _____ CASING / STANDPIPE DIAM. (2r) _____
 BORING DIAM. (2R) _____ WELLPOINT / UNCASSED BORING LENGTH (L) _____
 TYPE OF TEST: FALLING HEAD RISING HEAD CONSTANT FLOW FLOW METER NO. _____
 RIG & CREW TIME _____ GROUND ELEVATION _____ REFERENCE ELEVATION _____
 TAPE / RULE NO. _____ INSPECTOR _____ CHEK'D BY _____

TIME	ELAPSED TIME (t)	GALLONS	WATER DEPTH (Z)	ACTIVE HEAD (H)	H _t / H ₀
	0				1.0
		DATA	ATTACHED		

VARIABLE HEAD TEST



COMMENTS: (min)
t = 17

APPENDIX G

ANALYTICAL RESULTS

- SOIL
- GROUNDWATER
- SURFACE WATER AND SEDIMENT

DATA QUALIFIERS

EPA - defined qualifiers for Organic Analyses are as follows:

- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.
- C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number for the diluted sample, and all concentration values reported are flagged with the "D" flag.
- E - This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis.
- J - Indicates and estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data identification criteria but the result is less than the sample quantitation limit but greater than zero.
- L - The analyte is a suspected laboratory contaminant. It's presence in the sample is unlikely (applies to volatile and semi-volatile organic results).
- S - The compound was detected above instrument saturation levels (applies to semi-volatile organic results).
- U - Indicates compound was analyzed for but not detected.
- X - The reported result was derived from instrument response outside the calibration range.
- Y - The reported result is below the specified reporting limit (applies to pesticide/PCB results).

EPA - qualifiers for inorganic analyses are as follows:

C (Concentration) qualifier - Enter "B" if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL). If the analyte was analyzed for but not detected, a "U" must be entered.

SOIL

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VOLATILE ORGANICS

COMPOUND	MATRIX LOCATION	SOIL PAD A	SOIL PAD-A	SOIL PAD-A	SOIL PAD-A	SOIL PAD-A	SOIL PAD-B	SOIL PAD-B
	DATE	0-6"	0-6"	0-2"	0-2"	0-2"	0-6"	0-6"
	MAIN ID	12/16/91	12/16/91	12/16/91	12/16/91	12/16/91	12/11/91	12/11/91
	LAB ID	PB-A-1	PB-A-1A	PB-A-2	PB-A-2A	PB-A-2ARE	PB-B-1-1	PB-B-1-1R1
	UNITS	151145	151146	151147	151148	151148	150783	150783
Chloromethane	ug/L	11 U	11 U	13 U	13 U	13 U	11 U	10 U
Bromomethane	ug/L	11 U	11 U	13 U	13 U	13 U	11 U	10 U
Vinyl Chloride	ug/L	11 U	11 U	13 U	13 U	13 U	11 U	10 U
Chloroethane	ug/L	11 U	11 U	13 U	13 U	13 U	11 U	10 U
Methyl Chloride	ug/L	2 BJ	2 BJ	1 BJ	2 BJ	7 U	3 BJ	4 BJ
Acetone	ug/L	11 U	11 U	13 U	13 U	13 U	11 U	10 U
Carbon Disulfide	ug/L	5 U	6 U	6 U	7 U	7 U	6 U	5 U
1,1-Dichloroethene	ug/L	5 U	6 U	6 U	7 U	7 U	6 U	5 U
1,1-Dichloroethane	ug/L	5 U	6 U	6 U	7 U	7 U	6 U	5 U
1,2-Dichloroethene (total)	ug/L	5 U	6 U	6 U	7 U	7 U	6 U	5 U
Chloroform	ug/L	5 U	6 U	6 U	7 U	7 U	6 U	5 U
1,2-Dichloroethane	ug/L	5 U	6 U	6 U	7 U	7 U	6 U	5 U
2-Butanone	ug/L	11 U	11 U	13 U	13 U	13 U	11 U	10 U
1,1,1-Trichloroethane	ug/L	5 U	6 U	6 U	7 U	7 U	6 U	5 U
Carbon Tetrachloride	ug/L	5 U	6 U	6 U	7 U	7 U	6 U	5 U
Vinyl Acetate	ug/L	11 U	11 U	13 U	13 U	13 U	11 U	10 U
Bromodichloromethane	ug/L	5 U	6 U	6 U	7 U	7 U	6 U	5 U
1,2-Dichloropropane	ug/L	5 U	6 U	6 U	7 U	7 U	6 U	5 U
cis-1,3-Dichloropropene	ug/L	5 U	6 U	6 U	7 U	7 U	6 U	5 U
Trichloroethene	ug/L	5 U	6 U	6 U	7 U	7 U	6 U	5 U
Dibromochloromethane	ug/L	5 U	6 U	6 U	7 U	7 U	6 U	5 U
1,1,2-Trichloroethene	ug/L	5 U	6 U	6 U	7 U	7 U	6 U	5 U
Benzene	ug/L	5 U	6 U	6 U	7 U	7 U	6 U	5 U
trans-1,3-Dichloropropene	ug/L	5 U	6 U	6 U	7 U	7 U	6 U	5 U
Bromoform	ug/L	5 U	6 U	6 U	7 U	7 U	6 U	5 U
4-Methyl-2-Pentanone	ug/L	11 U	11 U	13 U	13 U	13 U	11 U	10 U
2-Hexanone	ug/L	11 U	11 U	13 U	13 U	13 U	11 U	10 U
Tetrachloroethene	ug/L	5 U	6 U	6 U	7 U	7 U	6 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U	6 U	6 U	7 U	7 U	6 U	5 U
Toluene	ug/L	5 U	2 J	6 U	7 U	7 U	6 U	5 U
Chlorobenzene	ug/L	5 U	4 J	6 U	7 U	7 U	6 U	5 U
Ethylbenzene	ug/L	5 U	6 U	6 U	7 U	7 U	6 U	5 U
Styrene	ug/L	5 U	6 U	6 U	7 U	7 U	6 U	5 U
Xylene (total)	ug/L	5 U	6 U	6 U	7 U	7 U	6 U	5 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VOLATILE ORGANICS

COMPOUND	MATRIX LOCATION	SOIL PAD-B	SOIL PAD-B	SOIL PAD C	SOIL PAD C	SOIL PAD C	SOIL PAD C	SOIL PAD C
	DATE	6-8'	6-8'	0-6"	0-6"	0-6"	0-6"	0-6"
	MAJN ID	PB-B-1-5	PB-B-1-5RJ	PBC-1-1	PBC-1-1A	PBC-1-1AR1	PBC-1-1-3	PBC-1-1-3A
	LAB ID	150787	150787	151999	152000	152000	152003	152004
	UNITS							
Chloromethane	ug/L	11 U	11 U	11 U	11 U	11 U	11 U	12 U
Bromomethane	ug/L	11 U	11 U	11 U	11 U	11 U	11 U	12 U
Vinyl Chloride	ug/L	11 U	11 U	11 U	11 U	11 U	11 U	12 U
Chloroethane	ug/L	11 U	11 U	11 U	11 U	11 U	11 U	12 U
Methyl Chloride	ug/L	3 BJ	3 BJ	8 B	6 BJ	4 BJ	5 BJ	3 BJ
Acetone	ug/L	5 BJ	7 BJ	11 U	11 U	11 U	6 BJ	15 B
Carbon Disulfide	ug/L	6 U	6 U	5 U	6 U	5 U	2 J	6 U
1,1-Dichloroethene	ug/L	6 U	6 U	5 U	6 U	5 U	6 U	6 U
1,1-Dichloroethane	ug/L	6 U	6 U	5 U	6 U	5 U	6 U	6 U
1,2-Dichloroethene (total)	ug/L	6 U	6 U	5 U	6 U	5 U	6 U	6 U
Chloroform	ug/L	6 U	6 U	5 U	6 U	5 U	6 U	6 U
1,2-Dichloroethane	ug/L	6 U	6 U	5 U	6 U	5 U	6 U	6 U
2-Butanone	ug/L	11 U	11 U	11 U	11 U	11 U	11 U	12 U
1,1,1-Trichloroethane	ug/L	6 U	6 U	5 U	6 U	5 U	6 U	6 U
Carbon Tetrachloride	ug/L	6 U	6 U	5 U	6 U	5 U	6 U	6 U
Vinyl Acetate	ug/L	11 U	11 U	11 U	11 U	11 U	11 U	12 U
Bromodichloromethane	ug/L	6 U	6 U	5 U	6 U	5 U	6 U	6 U
1,2-Dichloropropane	ug/L	6 U	6 U	5 U	6 U	5 U	6 U	6 U
cis-1,3-Dichloropropene	ug/L	6 U	6 U	5 U	6 U	5 U	6 U	6 U
Trichloroethene	ug/L	6 U	6 U	5 U	6 U	5 U	6 U	6 U
Dibromochloromethane	ug/L	6 U	6 U	5 U	6 U	5 U	6 U	6 U
1,1,2-Trichloroethene	ug/L	6 U	6 U	5 U	6 U	5 U	6 U	6 U
Benzene	ug/L	6 U	6 U	5 U	6 U	5 U	6 U	2 J
trans-1,3-Dichloropropene	ug/L	6 U	6 U	5 U	6 U	5 U	6 U	6 U
Bromoform	ug/L	6 U	6 U	5 U	6 U	5 U	6 U	6 U
4-Methyl-2-Pentanone	ug/L	11 U	11 U	11 U	11 U	11 U	11 U	12 U
2-Hexanone	ug/L	11 U	11 U	11 U	11 U	11 U	11 U	12 U
Tetrachloroethene	ug/L	6 U	6 U	5 U	6 U	5 U	6 U	6 U
1,1,2,2-Tetrachloroethane	ug/L	6 U	6 U	5 U	6 U	5 U	6 U	6 U
Toluene	ug/L	6 U	3 J	5 U	6 U	5 U	6 U	2 J
Chlorobenzene	ug/L	6 U	6 U	5 U	6 U	5 U	6 U	6 U
Ethylbenzene	ug/L	6 U	6 U	5 U	6 U	5 U	6 U	6 U
Styrene	ug/L	6 U	6 U	5 U	6 U	5 U	6 U	6 U
Xylene (total)	ug/L	6 U	6 U	5 U	6 U	5 U	6 U	6 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VOLATILE ORGANICS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD C	PAD C	PAD D	PAD D	PAD D	PAD D	PAD D
	DATE	2-4'	2-4'	0-6"	0-6"	0-6"	0-6"	2-4'
	MAIN ID	01/07/92	01/07/92	01/07/92	01/07/92	01/07/92	01/07/92	01/07/92
	LAB ID	PBC-1-3ADI	PBC-1-3DL	PBD-1-1	PBD-1-1A	PBD-1-1AR	PBD-1-1RE	PBD-1-3
	UNITS	152004	152003	152009	152010	152010	152009	152013
Chloromethane	ug/L	1500 U	56 U	10 U	11 U	11 U	11 U	11 U
Bromomethane	ug/L	1500 U	56 U	10 U	11 U	11 U	11 U	11 U
Vinyl Chloride	ug/L	1500 U	56 U	10 U	11 U	11 U	11 U	11 U
Chloroethane	ug/L	1500 U	56 U	10 U	11 U	11 U	11 U	11 U
Methyl Chloride	ug/L	950 BD	13 BJ	5 BJ	9 B	5 BJ	7 B	6 B
Acetone	ug/L	400 BJ	19 BJ	4 BJ	5 BJ	4 BJ	2 BJ	3 BJ
Carbon Disulfide	ug/L	740 U	28 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	ug/L	740 U	28 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	740 U	28 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	ug/L	740 U	28 U	5 U	5 U	5 U	5 U	5 U
Chloroform	ug/L	740 U	28 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	ug/L	740 U	28 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	ug/L	1500 U	56 U	10 U	11 U	11 U	11 U	11 U
1,1,1-Trichloroethane	ug/L	740 U	28 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	ug/L	740 U	28 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	ug/L	1500 U	56 U	10 U	11 U	11 U	11 U	11 U
Bromodichloromethane	ug/L	740 U	28 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	ug/L	740 U	28 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	740 U	28 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	ug/L	740 U	28 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	ug/L	740 U	28 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethene	ug/L	740 U	28 U	5 U	5 U	5 U	5 U	5 U
Benzene	ug/L	180 JD	28 U	5 U	5 U	5 U	5 U	3 J
trans-1,3-Dichloropropene	ug/L	740 U	28 U	5 U	5 U	5 U	5 U	5 U
Bromoform	ug/L	740 U	28 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	ug/L	1500 U	56 U	10 U	11 U	11 U	11 U	11 U
2-Hexanone	ug/L	1500 U	56 U	10 U	11 U	11 U	11 U	11 U
Tetrachloroethene	ug/L	740 U	28 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	740 U	28 U	5 U	5 U	5 U	5 U	5 U
Toluene	ug/L	740 U	28 U	5 U	5 U	5 U	5 U	2 J
Chlorobenzene	ug/L	740 U	28 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	740 U	28 U	5 U	5 U	5 U	5 U	5 U
Styrene	ug/L	740 U	28 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	ug/L	740 U	28 U	5 U	5 U	5 U	5 U	5 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VOLATILE ORGANICS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD D	PAD E	PAD E	PAD E	PAD-F	PAD-F	PAD G
	DATE	2-4'	0-6"	0-6"	2-4'	0-6"	4-6'	0-6"
	MAIN ID	01/07/92	01/07/92	01/07/92	01/07/92	12/11/91	12/11/91	01/08/92
	LAB ID	PBD-1-3A	PBE-1-1	PBE-1-1RE	PBE-1-3	PB-F-1-1	PB-F-1-4	PBG-1-1
	UNITS	152014	152094	152094	152096	150788	150791	152101
Chloromethane	ug/L	11 U	10 U	11 U	12 U	11 U	11 U	13 U
Bromomethane	ug/L	11 U	10 U	11 U	12 U	11 U	11 U	13 U
Vinyl Chloride	ug/L	11 U	10 U	11 U	12 U	11 U	11 U	13 U
Chloroethane	ug/L	11 U	10 U	11 U	12 U	11 U	11 U	13 U
Methyl Chloride	ug/L	7 B	8 B	6 B	7 B	2 BJ	2 BJ	9 B
Acetone	ug/L	11 U	10 U	11 U	24 B	11 U	36 B	4 BJ
Carbon Disulfide	ug/L	6 U	5 U	5 U	6 U	6 U	6 U	6 U
1,1-Dichloroethene	ug/L	6 U	5 U	5 U	6 U	6 U	6 U	6 U
1,1-Dichloroethane	ug/L	6 U	5 U	5 U	6 U	6 U	6 U	6 U
1,2-Dichloroethene (total)	ug/L	6 U	5 U	5 U	6 U	6 U	6 U	6 U
Chloroform	ug/L	6 U	5 U	5 U	6 U	6 U	6 U	12
1,2-Dichloroethane	ug/L	6 U	5 U	5 U	6 U	6 U	6 U	6 U
2-Butanone	ug/L	11 U	10 U	11 U	12 U	11 U	11 U	13 U
1,1,1-Trichloroethane	ug/L	6 U	5 U	5 U	6 U	6 U	6 U	6 U
Carbon Tetrachloride	ug/L	6 U	5 U	5 U	6 U	6 U	6 U	6 U
Vinyl Acetate	ug/L	11 U	10 U	11 U	12 U	11 U	11 U	13 U
Bromodichloromethane	ug/L	6 U	5 U	5 U	6 U	6 U	6 U	6 U
1,2-Dichloropropane	ug/L	6 U	5 U	5 U	6 U	6 U	6 U	6 U
cis-1,3-Dichloropropene	ug/L	6 U	5 U	5 U	6 U	6 U	6 U	6 U
Trichloroethene	ug/L	6 U	5 U	5 U	6 U	6 U	6 U	6 U
Dibromochloromethane	ug/L	6 U	5 U	5 U	6 U	6 U	6 U	6 U
1,1,2-Trichloroethene	ug/L	6 U	5 U	5 U	6 U	6 U	6 U	6 U
Benzene	ug/L	3 J	5 U	5 U	6 U	6 U	6 U	6 U
trans-1,3-Dichloropropene	ug/L	6 U	5 U	5 U	6 U	6 U	6 U	6 U
Bromoform	ug/L	6 U	5 U	5 U	6 U	6 U	6 U	6 U
4-Methyl-2-Pentanone	ug/L	11 U	10 U	11 U	12 U	11 U	11 U	13 U
2-Hexanone	ug/L	11 U	10 U	11 U	12 U	11 U	11 U	13 U
Tetrachloroethene	ug/L	6 U	5 U	5 U	6 U	6 U	6 U	6 U
1,1,2,2-Tetrachloroethane	ug/L	6 U	5 U	5 U	6 U	6 U	6 U	6 U
Toluene	ug/L	6 U	4 J	3 J	6 U	6 U	2 J	6 U
Chlorobenzene	ug/L	6 U	5 U	5 U	6 U	6 U	6 U	6 U
Ethylbenzene	ug/L	6 U	5 U	5 U	6 U	6 U	6 U	6 U
Styrene	ug/L	6 U	5 U	5 U	6 U	6 U	6 U	6 U
Xylene (total)	ug/L	6 U	5 U	5 U	6 U	6 U	6 U	6 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VOLATILE ORGANICS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD G	PAD G	PAD G	PAD G	PAD G	PAD G	PAD G
	DATE	0-6"	2-4'	0-6"	0-2'	0-6"	0-2'	0-6"
	MAIN ID	01/08/92	01/08/92	01/09/92	01/09/92	01/09/92	01/09/92	01/09/92
	LAB ID	PBG-1-1RE	PBG-1-3	PBG-2-1	PBG-2-2	PBG-3-1	PBG-3-2	PBG-4-1
	UNITS	152101	152103	152107	152108	152112	152113	152203
Chloromethane	ug/L	13 U	12 U	11 U	13 U	12 U	12 U	13 U
Bromomethane	ug/L	13 U	12 U	11 U	13 U	12 U	12 U	13 U
Vinyl Chloride	ug/L	13 U	12 U	11 U	13 U	12 U	12 U	13 U
Chloroethane	ug/L	13 U	12 U	11 U	13 U	12 U	12 U	13 U
Methyl Chloride	ug/L	8 B	5 BJ	7 B	7 B	5 BJ	4 BJ	4 BJ
Acetone	ug/L	3 BJ	6 BJ	3 BJ	8 BJ	2 BJ	3 BJ	10 BJ
Carbon Disulfide	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,1-Dichloroethene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,1-Dichloroethane	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,2-Dichloroethene (total)	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Chloroform	ug/L	9	6 U	6	6 U	10	6 U	6 U
1,2-Dichloroethane	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
2-Butanone	ug/L	13 U	12 U	11 U	13 U	12 U	12 U	13 U
1,1,1-Trichloroethane	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Carbon Tetrachloride	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Vinyl Acetate	ug/L	13 U	12 U	11 U	13 U	12 U	12 U	13 U
Bromodichloromethane	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,2-Dichloropropane	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
cis-1,3-Dichloropropene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Trichloroethene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Dibromochloromethane	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,1,2-Trichloroethene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Benzene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
trans-1,3-Dichloropropene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Bromoform	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
4-Methyl-2-Pentanone	ug/L	13 U	12 U	11 U	13 U	12 U	12 U	13 U
2-Hexanone	ug/L	13 U	12 U	11 U	13 U	12 U	12 U	13 U
Tetrachloroethene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,1,2,2-Tetrachloroethane	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Toluene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Chlorobenzene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Ethylbenzene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Styrene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Xylene (total)	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VOLATILE ORGANICS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD G	PAD G	PAD G	PAD G	PAD G	PAD G	PAD G
	DATE	0-2'	0-6"	2-4'	0-6"	4' +	4' +	0-6"
	MAIN ID	PBG-4-2	PBG-5-1	PBG-5-3	PBG-6-1	PBG-6-4	PBG-6-4RE	PBG-7-1
	LAB ID	152204	152206	152208	152363	152366	152366	152368
	UNITS							
Chloromethane	ug/L	12 U	12 U	12 U	12 U	11 U	11 U	11 U
Bromomethane	ug/L	12 U	12 U	12 U	12 U	11 U	11 U	11 U
Vinyl Chloride	ug/L	12 U	12 U	12 U	12 U	11 U	11 U	11 U
Chloroethane	ug/L	12 U	12 U	12 U	12 U	11 U	11 U	11 U
Methyl Chloride	ug/L	3 BJ	4 BJ	3 BJ	5 BJ	5 BJ	12 B	5 BJ
Acetone	ug/L	2 BJ	3 BJ	2 BJ	5 BJ	11 U	11 U	11 U
Carbon Disulfide	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,1-Dichloroethene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,1-Dichloroethane	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,2-Dichloroethene (total)	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Chloroform	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,2-Dichloroethane	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
2-Butanone	ug/L	12 U	12 U	12 U	12 U	11 U	11 U	11 U
1,1,1-Trichloroethane	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Carbon Tetrachloride	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Vinyl Acetate	ug/L	12 U	12 U	12 U	12 U	11 U	11 U	11 U
Bromodichloromethane	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,2-Dichloropropane	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
cis-1,3-Dichloropropene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Trichloroethene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Dibromochloromethane	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,1,2-Trichloroethene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Benzene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
trans-1,3-Dichloropropene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Bromoform	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
4-Methyl-2-Pentanone	ug/L	12 U	12 U	12 U	12 U	11 U	11 U	11 U
2-Hexanone	ug/L	12 U	12 U	12 U	12 U	11 U	11 U	11 U
Tetrachloroethene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,1,2,2-Tetrachloroethane	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Toluene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Chlorobenzene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Ethylbenzene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Styrene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Xylene (total)	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VOLATILE ORGANICS

COMPOUND	MATRIX LOCATION	SOIL PAD G	SOIL PAD G	SOIL PAD-H	SOIL PAD-H	SOIL PAD H	SOIL PAD J	SOIL PAD J
	DATE	0-6"	0-2'	12/11/91	0-2'	0-2'	0-6"	0-6"
	MAIN ID	PBG-7-1RE	PBG-7-2	PB-H-1-1	PB-H-1-2	PB-H-1-2R	PBJ-1-1	PBJ-1-1RE
	LAB ID	152368	152369	150794	150795	150795	152373	152373
	UNITS							
Chloromethane	ug/L	11 U	12 U	11 U	10 U	10 U	11 U	11 U
Bromomethane	ug/L	11 U	12 U	11 U	10 U	10 U	11 U	11 U
Vinyl Chloride	ug/L	11 U	12 U	11 U	10 U	10 U	11 U	11 U
Chloroethane	ug/L	11 U	12 U	11 U	10 U	10 U	11 U	11 U
Methyl Chloride	ug/L	11 B	5 BJ	2 BJ	3 BJ	2 BJ	5 BJ	6 B
Acetone	ug/L	3 BJ	2 BJ	11 U	10 U	18 B	3 BJ	11 U
Carbon Disulfide	ug/L	6 U	6 U	5 U	5 U	5 U	6 U	6 U
1,1-Dichloroethene	ug/L	6 U	6 U	5 U	5 U	5 U	6 U	6 U
1,1-Dichloroethane	ug/L	6 U	6 U	5 U	5 U	5 U	6 U	6 U
1,2-Dichloroethene (total)	ug/L	6 U	6 U	5 U	5 U	5 U	6 U	6 U
Chloroform	ug/L	1 J	6 U	5 U	5 U	5 U	6 U	6 U
1,2-Dichloroethane	ug/L	6 U	6 U	5 U	5 U	5 U	6 U	6 U
2-Butanone	ug/L	11 U	12 U	11 U	10 U	10 U	11 U	11 U
1,1,1-Trichloroethane	ug/L	6 U	2 J	5 U	5 U	5 U	6 U	6 U
Carbon Tetrachloride	ug/L	6 U	6 U	5 U	5 U	5 U	6 U	6 U
Vinyl Acetate	ug/L	11 U	12 U	11 U	10 U	10 U	11 U	11 U
Bromodichloromethane	ug/L	6 U	6 U	5 U	5 U	5 U	6 U	6 U
1,2-Dichloropropane	ug/L	6 U	6 U	5 U	5 U	5 U	6 U	6 U
cis-1,3-Dichloropropene	ug/L	6 U	6 U	5 U	5 U	5 U	6 U	6 U
Trichloroethene	ug/L	6 U	6 U	5 U	5 U	5 U	6 U	6 U
Dibromochloromethane	ug/L	6 U	6 U	5 U	5 U	5 U	6 U	6 U
1,1,2-Trichloroethene	ug/L	6 U	6 U	5 U	5 U	5 U	6 U	6 U
Benzene	ug/L	6 U	6 U	5 U	5 U	5 U	6 U	6 U
trans-1,3-Dichloropropene	ug/L	6 U	6 U	5 U	5 U	5 U	6 U	6 U
Bromoform	ug/L	6 U	6 U	5 U	5 U	5 U	6 U	6 U
4-Methyl-2-Pentanone	ug/L	11 U	12 U	11 U	10 U	10 U	11 U	11 U
2-Hexanone	ug/L	11 U	12 U	11 U	10 U	10 U	11 U	11 U
Tetrachloroethene	ug/L	6 U	6 U	5 U	5 U	2 J	6 U	6 U
1,1,2,2-Tetrachloroethane	ug/L	6 U	6 U	5 U	5 U	5 U	6 U	6 U
Toluene	ug/L	6 U	6 U	5 U	3 J	1 J	6 U	6 U
Chlorobenzene	ug/L	6 U	6 U	5 U	5 U	5 U	6 U	6 U
Ethylbenzene	ug/L	6 U	6 U	5 U	5 U	5 U	6 U	6 U
Styrene	ug/L	6 U	6 U	5 U	5 U	5 U	6 U	6 U
Xylene (total)	ug/L	6 U	6 U	5 U	5 U	5 U	6 U	6 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VOLATILE ORGANICS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD J	PAD J	PAD J	PAD J	PAD-J	PAD-J	PAD-J
	DATE	0-2'	0-6"	0-2'	0-6"	0-6"	0-2'	0-6"
	MAIN ID	01/13/92	01/13/92	01/14/92	01/14/92	01/14/92	01/14/92	01/15/92
	LAB ID	PBJ-1-2	PBJ-2-1	PBJ-2-2	PBJ-3-1	PBJ-3-1RE	PBJ-3-2	PBJ-4-1
	UNITS	152374	152376	152463	152466	152466	152550	152553
Chloromethane	ug/L	12 U	12 U	12 U	14 U	15 U	12 U	12 U
Bromomethane	ug/L	12 U	12 U	12 U	14 U	15 U	12 U	12 U
Vinyl Chloride	ug/L	12 U	12 U	12 U	14 U	15 U	12 U	12 U
Chloroethane	ug/L	12 U	12 U	12 U	14 U	15 U	12 U	12 U
Methyl Chloride	ug/L	6 BJ	7 B	5 BJ	6 BJ	6 BJ	6 B	12 B
Acetone	ug/L	2 BJ	10 BJ	2 BJ	14 U	15 U	12 U	5 BJ
Carbon Disulfide	ug/L	6 U	6 U	6 U	7 U	8 U	6 U	6 U
1,1-Dichloroethene	ug/L	6 U	6 U	6 U	7 U	8 U	6 U	6 U
1,1-Dichloroethane	ug/L	6 U	6 U	6 U	7 U	8 U	6 U	6 U
1,2-Dichloroethene (total)	ug/L	6 U	6 U	6 U	7 U	8 U	6 U	6 U
Chloroform	ug/L	6 U	6 U	2 J	6 J	8 U	6 U	2 BJ
1,2-Dichloroethane	ug/L	6 U	6 U	6 U	7 U	8 U	6 U	6 U
2-Butanone	ug/L	12 U	12 U	12 U	14 U	15 U	12 U	12 U
1,1,1-Trichloroethane	ug/L	6 U	6 U	6 U	7 U	8 U	6 U	6 U
Carbon Tetrachloride	ug/L	6 U	6 U	6 U	7 U	8 U	6 U	6 U
Vinyl Acetate	ug/L	12 U	12 U	12 U	14 U	15 U	12 U	12 U
Bromodichloromethane	ug/L	6 U	6 U	6 U	7 U	8 U	6 U	6 U
1,2-Dichloropropane	ug/L	6 U	6 U	6 U	7 U	8 U	6 U	6 U
cis-1,3-Dichloropropene	ug/L	6 U	6 U	6 U	7 U	8 U	6 U	6 U
Trichloroethene	ug/L	6 U	6 U	6 U	7 U	8 U	6 U	6 U
Dibromochloromethane	ug/L	6 U	6 U	6 U	7 U	8 U	6 U	6 U
1,1,2-Trichloroethene	ug/L	6 U	6 U	6 U	7 U	8 U	6 U	6 U
Benzene	ug/L	6 U	6 U	6 U	7 U	8 U	6 U	6 U
trans-1,3-Dichloropropene	ug/L	6 U	6 U	6 U	7 U	8 U	6 U	6 U
Bromoform	ug/L	6 U	6 U	6 U	7 U	8 U	6 U	6 U
4-Methyl-2-Pentanone	ug/L	12 U	12 U	12 U	14 U	15 U	12 U	12 U
2-Hexanone	ug/L	12 U	12 U	12 U	14 U	15 U	12 U	12 U
Tetrachloroethene	ug/L	6 U	6 U	6 U	7 U	8 U	6 U	6 U
1,1,2,2-Tetrachloroethane	ug/L	6 U	6 U	6 U	7 U	8 U	6 U	6 U
Toluene	ug/L	6 U	1 J	6 U	7 U	8 U	6 U	6 U
Chlorobenzene	ug/L	6 U	6 U	6 U	7 U	8 U	6 U	6 U
Ethylbenzene	ug/L	6 U	6 U	6 U	7 U	8 U	6 U	6 U
Styrene	ug/L	6 U	6 U	6 U	7 U	8 U	6 U	6 U
Xylene (total)	ug/L	6 U	6 U	6 U	7 U	8 U	6 U	6 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VOLATILE ORGANICS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD-J	PAD-J	PAD-J	PAD-J	PAD-J	PAD-J	PAD-J
	DATE	4' +	0-6"	0-6"	0-2"	0-2"	0-6"	0-6"
	MAIN ID	01/15/92	01/15/92	01/15/92	01/15/92	01/15/92	01/15/92	01/15/92
	LAB ID	PBJ-4-4	PBJ-5-1	PBJ-5-1RE	PBJ-5-2	PBJ-5-2RE	PBJ-6-1	PBJ-6-1RE
	UNITS	152556	152557	152557	152558	152558	152560	152560
Chloromethane	ug/L	11 U	12 U	11 U	11 U	11 U	12 U	12 U
Bromomethane	ug/L	11 U	12 U	11 U	11 U	11 U	12 U	12 U
Vinyl Chloride	ug/L	11 U	12 U	11 U	11 U	11 U	12 U	12 U
Chloroethane	ug/L	11 U	12 U	11 U	11 U	11 U	12 U	12 U
Methyl Chloride	ug/L	5 BJ	10 B	5 BJ	6 B	9 B	8 B	7 B
Acetone	ug/L	2 BJ	4 BJ	2 BJ	11 U	5 BJ	4 BJ	3 BJ
Carbon Disulfide	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,1-Dichloroethene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,1-Dichloroethane	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,2-Dichloroethene (total)	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Chloroform	ug/L	6 U	2 BJ	1 BJ	6 U	6 U	2 BJ	2 BJ
1,2-Dichloroethane	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
2-Butanone	ug/L	11 U	12 U	11 U	11 U	11 U	12 U	12 U
1,1,1-Trichloroethane	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Carbon Tetrachloride	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Vinyl Acetate	ug/L	11 U	12 U	11 U	11 U	11 U	12 U	12 U
Bromodichloromethane	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,2-Dichloropropane	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
cis-1,3-Dichloropropene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Trichloroethene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Dibromochloromethane	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,1,2-Trichloroethene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Benzene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
trans-1,3-Dichloropropene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Bromoform	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
4-Methyl-2-Pentanone	ug/L	11 U	12 U	11 U	11 U	11 U	12 U	12 U
2-Hexanone	ug/L	11 U	12 U	11 U	11 U	11 U	12 U	12 U
Tetrachloroethene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,1,2,2-Tetrachloroethane	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Toluene	ug/L	6 U	6 U	6 U	6 U	1 J	6 U	6 U
Chlorobenzene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Ethylbenzene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Styrene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Xylene (total)	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF VOLATILE ORGANICS

COMPOUND	MATRIX LOCATION	SOIL PAD-J	SOIL PAD-J	SOIL PAD-J	SOIL PAD-J	SOIL PAD-J	SOIL PAD-J	SOIL PAD-J
	DATE	0-2'	0-2'	0-6"	0-6"	0-2'	0-2'	0-6"
	MAIN 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							
Chloromethane	ug/L	11 U	11 U	11 U	11 U	11 U	11 U	13 U
Bromomethane	ug/L	11 U	11 U	11 U	11 U	11 U	11 U	13 U
Vinyl Chloride	ug/L	11 U	11 U	11 U	11 U	11 U	11 U	13 U
Chloroethane	ug/L	11 U	11 U	11 U	11 U	11 U	11 U	13 U
Methyl Chloride	ug/L	9 B	9 B	4 BJ	7 B	10 B	10 B	6 BJ
Acetone	ug/L	11 U	4 BJ	11 U	11 U	20 B	16 B	12 BJ
Carbon Disulfide	ug/L	5 U	5 U	5 U	6 U	5 U	5 U	7 U
1,1-Dichloroethene	ug/L	5 U	5 U	5 U	6 U	5 U	5 U	7 U
1,1-Dichloroethane	ug/L	5 U	5 U	5 U	6 U	5 U	5 U	7 U
1,2-Dichloroethene (total)	ug/L	5 U	5 U	5 U	6 U	5 U	5 U	7 U
Chloroform	ug/L	3 J	2 BJ	5 U	6 U	5 U	7 B	7 U
1,2-Dichloroethane	ug/L	5 U	5 U	5 U	6 U	5 U	5 U	7 U
2-Butanone	ug/L	11 U	11 U	11 U	11 U	11 U	11 U	13 U
1,1,1-Trichloroethane	ug/L	5 U	5 U	5 U	6 U	5 U	5 U	7 U
Carbon Tetrachloride	ug/L	4 J	2 J	5 U	6 U	5 U	5 U	7 U
Vinyl Acetate	ug/L	11 U	11 U	11 U	11 U	11 U	11 U	13 U
Bromodichloromethane	ug/L	5 U	5 U	5 U	6 U	5 U	5 U	7 U
1,2-Dichloropropane	ug/L	5 U	5 U	5 U	6 U	5 U	5 U	7 U
cis-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	6 U	5 U	5 U	7 U
Trichloroethene	ug/L	7	4 J	5 U	6 U	5 U	5 U	7 U
Dibromochloromethane	ug/L	5 U	5 U	5 U	6 U	5 U	5 U	7 U
1,1,2-Trichloroethene	ug/L	5 U	5 U	5 U	6 U	5 U	5 U	7 U
Benzene	ug/L	5 U	5 U	5 U	6 U	5 U	5 U	7 U
trans-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	6 U	5 U	5 U	7 U
Bromoform	ug/L	5 U	5 U	5 U	6 U	5 U	5 U	7 U
4-Methyl-2-Pentanone	ug/L	11 U	11 U	11 U	11 U	11 U	11 U	13 U
2-Hexanone	ug/L	11 U	11 U	11 U	11 U	11 U	11 U	13 U
Tetrachloroethene	ug/L	5 U	5 U	5 U	6 U	5 U	5 U	7 U
1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	5 U	6 U	5 U	5 U	7 U
Toluene	ug/L	5 U	5 U	5 U	6 U	3 J	2 J	7 U
Chlorobenzene	ug/L	5 U	5 U	5 U	6 U	5 U	5 U	7 U
Ethylbenzene	ug/L	5 U	5 U	5 U	6 U	5 U	5 U	7 U
Styrene	ug/L	5 U	5 U	5 U	6 U	5 U	5 U	7 U
Xylene (total)	ug/L	5 U	5 U	5 U	6 U	3 J	5 U	7 U

COMPOUND	MATRIX LOCATION DATE MAIN ID LAB ID UNITS	SOIL PAD-J 0-2' PBJ-8-2 152678
Chloromethane	ug/L	12 U
Bromomethane	ug/L	12 U
Vinyl Chloride	ug/L	12 U
Chloroethane	ug/L	12 U
Methyl Chloride	ug/L	10 B
Acetone	ug/L	5 BJ
Carbon Disulfide	ug/L	6 U
1,1-Dichloroethene	ug/L	6 U
1,1-Dichloroethane	ug/L	6 U
1,2-Dichloroethene (total)	ug/L	6 U
Chloroform	ug/L	6 U
1,2-Dichloroethane	ug/L	6 U
2-Butanone	ug/L	12 U
1,1,1-Trichloroethane	ug/L	6 U
Carbon Tetrachloride	ug/L	6 U
Vinyl Acetate	ug/L	12 U
Bromodichloromethane	ug/L	6 U
1,2-Dichloropropane	ug/L	6 U
cis-1,3-Dichloropropene	ug/L	6 U
Trichloroethene	ug/L	6 U
Dibromochloromethane	ug/L	6 U
1,1,2-Trichloroethane	ug/L	6 U
Benzene	ug/L	6 U
trans-1,3-Dichloropropene	ug/L	6 U
Bromoform	ug/L	6 U
4-Methyl-2-Pentanone	ug/L	12 U
2-Hexanone	ug/L	12 U
Tetrachloroethene	ug/L	6 U
1,1,2,2-Tetrachloroethane	ug/L	6 U
Toluene	ug/L	6 U
Chlorobenzene	ug/L	6 U
Ethylbenzene	ug/L	6 U
Styrene	ug/L	6 U
Xylene (total)	ug/L	6 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF SEMI-VOLATILE RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD A	PAD A	PAD A	PAD A	PAD B	PAD B	PAD C
	DEPTH	0-6"	0-6"	0-2"	0-2"	0-6"	6-8"	0-6"
	DATE	12/16/91	12/16/91	12/16/91	12/16/91	12/11/91	12/11/91	01/07/92
	MAIN ID	PB-A-1	PB-A-1A	PB-A-2	PB-A-2A	PB-B-1-1	PB-B-1-5	PBC-1-1
	LAB ID	151145	151146	151147	151148	150783	150787	151999
	UNITS							
3-Nitroaniline	ug/Kg	3500 U	3400 U	3500 U	3600 U	4700 U	3600 U	3400 U
Acenaphthene	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
2,4-Dinitrophenol	ug/Kg	3500 U	3400 U	3500 U	3600 U	4700 U	3600 U	3400 U
4-Nitrophenol	ug/Kg	3500 U	3400 U	3500 U	3600 U	4700 U	3600 U	3400 U
Dibenzofuran	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
2,4-Dinitrotoluene	ug/Kg	470 J	310 J	860	1500	960 U	740 U	710 U
Diethylphthalate	ug/Kg	730 U	250 J	720 U	750 U	960 U	740 U	710 U
4-Chlorophenyl-phenylether	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
Fluorene	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
4-Nitroaniline	ug/Kg	3500 U	3400 U	3500 U	3600 U	4700 U	3600 U	3400 U
4,6-Dinitro-2-methylphenol	ug/Kg	3500 U	3400 U	3500 U	3600 U	4700 U	3600 U	3400 U
N-Nitrosodiphenylamine (1)	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
4-Bromophenyl-phenylether	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
Hexachlorobenzene	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
Pentachlorophenol	ug/Kg	3500 U	3400 U	3500 U	3600 U	4700 U	3600 U	3400 U
Pbenantrene	ug/Kg	79 J	73 J	78 J	80 J	960 U	740 U	710 U
Anthracene	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
Di-n-butylphthalate	ug/Kg	730 U	160 J	720 U	750 U	960 U	740 U	710 U
Fluoranthene	ug/Kg	730 U	100 J	720 U	750 U	960 U	740 U	710 U
Pyrene	ug/Kg	730 U	86 J	720 U	750 U	960 U	740 U	710 U
Butylbenzylphthalate	ug/Kg	730 U	140 J	720 U	750 U	960 U	740 U	710 U
3,3'-Dichlorobenzidine	ug/Kg	1500 U	1400 U	1400 U	1500 U	1900 U	1500 U	1400 U
Benzo(a)anthracene	ug/Kg	730 U	120 J	720 U	750 U	960 U	740 U	710 U
Chrysene	ug/Kg	730 U	120 J	720 U	750 U	960 U	740 U	710 U
bis(2-Ethylhexyl)phthalate	ug/Kg	730 U	190 J	720 U	750 U	960 U	740 U	710 U
Di-n-octylphthalate	ug/Kg	730 U	140 J	720 U	750 U	960 U	740 U	710 U
Benzo(b)fluoranthene	ug/Kg	730 U	130 J	720 U	750 U	960 U	740 U	710 U
benzo(k)fluoranthene	ug/Kg	730 U	120 J	720 U	750 U	960 U	740 U	710 U
Benzo(a)pyrene	ug/Kg	730 U	120 J	720 U	750 U	960 U	740 U	710 U
Indeno(1,2,3-cd)pyrene	ug/Kg	730 U	87 J	720 U	750 U	960 U	740 U	710 U
Dibenz(a,h)anthracene	ug/Kg	730 U	74 J	720 U	750 U	960 U	740 U	710 U
Benzo(g,h,i)perylene	ug/Kg	730 U	86 J	720 U	750 U	960 U	740 U	710 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF SEMI-VOLATILE RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD C	PAD C	PAD C	PAD D	PAD D	PAD D	PAD D
	DEPTH	0-6"	4-6"	4-6"	0-6"	0-6"	2-4"	2-4"
	DATE	01/07/92	01/07/92	01/07/92	01/07/92	01/07/92	01/07/92	01/07/92
	MAIN ID	PBC-1-1A	PBC-1-4	PBC-1-4A	PBD-1-1	PBD-1-1A	PBD-1-3	PBD-1-3A
	LAB ID	152000	152005	152006	152009	152010	152013	152014
	UNITS							
3-Nitroaniline	ug/Kg	3400 U	3800 U	3600 U	3400 U	3500 U	3500 U	3500 U
Acenaphthene	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
2,4-Dinitrophenol	ug/Kg	3400 U	3800 U	3600 U	3400 U	3500 U	3500 U	3500 U
4-Nitrophenol	ug/Kg	3400 U	3800 U	3600 U	3400 U	3500 U	3500 U	3500 U
Dibenzofuran	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
2,4-Dinitrotoluene	ug/Kg	710 U	670 J	750 U	700 U	710 U	720 U	720 U
Diethylphthalate	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
4-Chlorophenyl-phenylether	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
Fluorene	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
4-Nitroaniline	ug/Kg	3400 U	3800 U	3600 U	3400 U	3500 U	3500 U	3500 U
4,6-Dinitro-2-methylphenol	ug/Kg	3400 U	3800 U	3600 U	3400 U	3500 U	3500 U	3500 U
N-Nitrosodiphenylamine (1)	ug/Kg	710 U	1100	510 J	700 U	710 U	720 U	720 U
4-Bromophenyl-phenylether	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
Hexachlorobenzene	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
Pentachlorophenol	ug/Kg	3400 U	3800 U	3600 U	3400 U	3500 U	3500 U	3500 U
Phenanthrene	ug/Kg	710 U	220 J	200 J	700 U	710 U	160 J	180 J
Anthracene	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
Di-n-butylphthalate	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
Fluoranthene	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
Pyrene	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
Butylbenzylphthalate	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
3,3'-Dichlorobenzidine	ug/Kg	1400 U	1600 U	1500 U	1400 U	1400 U	1400 U	1400 U
Benzo(a)anthracene	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
Chrysene	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
bi(2-Ethylhexyl)phthalate	ug/Kg	710 U	290 J	240 J	700 U	710 U	420 J	290 J
Di-n-octylphthalate	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
Benzo(b)fluoranthene	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
benzo(k)fluoranthene	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
Benzo(a)pyrene	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
Indeno(1,2,3-cd)pyrene	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
Dibenz(a,h)anthracene	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
Benzo(g,h,i)perylene	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF SEMI-VOLATILE RESULTS

COMPOUND	MATRIX LOCATION DEPTH DATE MAIN ID LAB ID UNITS	SOIL PAD E 0-6" 01/08/92 PBE-1-1 152094	SOIL PAD E 2-4" 01/08/92 PBE-1-3 152096	SOIL PAD F 0-6" 12/11/91 PB-F-1-1 150788	SOIL PAD F 4-6" 12/11/91 PB-F-1-4 150791	SOIL PAD G 0-6" 01/08/92 PBG-1-1 152101	SOIL PAD G 2-4" 01/08/92 PBG-1-3 152103	SOIL PAD G 0-6" 01/09/92 PBG-2-1 152107
3-Nitroaniline	ug/Kg	3300 U	3800 U	3500 U	3600 U	3800 U	3800 U	3900 U
Acenaphthene	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
2,4-Dinitrophenol	ug/Kg	3300 U	3800 U	3500 U	3600 U	3800 U	3800 U	3900 U
4-Nitrophenol	ug/Kg	3300 U	3800 U	3500 U	3600 U	3800 U	3800 U	3900 U
Dibenzofuran	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
2,4-Dinitrotoluene	ug/Kg	680 U	160 J	730 U	730 U	790 U	780 U	800 U
Diethylphthalate	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
4-Chlorophenyl-phenylether	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
Fluorene	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
4-Nitroaniline	ug/Kg	3300 U	3800 U	3500 U	3600 U	3800 U	3800 U	3900 U
4,6-Dinitro-2-methylphenol	ug/Kg	3300 U	3800 U	3500 U	3600 U	3800 U	3800 U	3900 U
N-Nitrosodiphenylamine (1)	ug/Kg	680 U	290 J	730 U	730 U	790 U	780 U	190 J
4-Bromophenyl-phenylether	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
Hexachlorobenzene	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
Pentachlorobenzol	ug/Kg	3300 U	3800 U	3500 U	3600 U	3800 U	3800 U	3900 U
Phenanthrene	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
Anthracene	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
Di-n-butylphthalate	ug/Kg	680 U	660 J	730 U	730 U	790 U	780 U	800 U
Fluoranthene	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
Pyrene	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
Butylbenzylphthalate	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
3,3'-Dichlorobenzidine	ug/Kg	1400 U	1600 U	1500 U	1500 U	1600 U	1600 U	1600 U
Benzo(a)anthracene	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
Chrysene	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
bis(2-Ethylhexyl)phthalate	ug/Kg	680 U	780 U	730 U	730 U	790 U	200 J	800 U
Di-n-octylphthalate	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
Benzo(b)fluoranthene	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
benzo(k)fluoranthene	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
Benzo(a)pyrene	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
Indeno(1,2,3-cd)pyrene	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
Dibenz(a,h)anthracene	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
Benzo(g,h,i)perylene	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF SEMI-VOLATILE RESULTS

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'	0-6"	0-2'
	DATE	01/09/92	01/09/92	01/09/92	01/09/92	01/09/92	01/09/92	01/10/92
	MAIN ID	PBG-2-2	PBG-3-1	PBG-3-2	PBG-4-1	PBG-4-2	PBG-5-1	PBG-5-2
	LAB ID	152108	152112	152113	152203	152204	152206	152207
	UNITS							
3-Nitroaniline	ug/Kg	3600 U	3900 U	3700 U	4100 U	3800 U	3800 U	3800 U
Acenaphthene	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
2,4-Dinitrophenol	ug/Kg	3600 U	3900 U	3700 U	4100 U	3800 U	3800 U	3800 U
4-Nitrophenol	ug/Kg	3600 U	3900 U	3700 U	4100 U	3800 U	3800 U	3800 U
Dibenzofuran	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
2,4-Dinitrotoluene	ug/Kg	81 J	810 U	770 U	840 U	790 U	510 J	1300
Diethylphthalate	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
4-Chlorophenyl-phenylether	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
Fluorene	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
4-Nitroaniline	ug/Kg	3600 U	3900 U	3700 U	4100 U	3800 U	3800 U	3800 U
4,6-Dinitro-2-methylphenol	ug/Kg	3600 U	3900 U	3700 U	4100 U	3800 U	3800 U	3800 U
N-Nitrosodiphenylamine (1)	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	280 J
4-Bromophenyl-phenylether	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
Hexachlorobenzene	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
Pentachlorophenol	ug/Kg	3600 U	3900 U	3700 U	4100 U	3800 U	3800 U	3800 U
Phenanthrene	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
Anthracene	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
Di-n-butylphthalate	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
Fluoranthene	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
Pyrene	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
Butylbenzylphthalate	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
3,3'-Dichlorobenzidine	ug/Kg	1500 U	1600 U	1500 U	1700 U	1600 U	1600 U	1600 U
Benzo(a)anthracene	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
Chrysene	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
bis(2-Ethylbenzyl)phthalate	ug/Kg	420 J	810 U	770 U	840 U	790 U	780 U	790 U
Di-n-octylphthalate	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
Benzo(b)fluoranthene	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
benzo(k)fluoranthene	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
Benzo(a)pyrene	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
Indeno(1,2,3-cd)pyrene	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
Dibenz(a,h)anthracene	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
Benzo(g,h,i)perylene	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF SEMI-VOLATILE RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD G	PAD G	PAD G	PAD G	PAD H	PAD H	PAD J
	DEPTH	0-6"	4' +	0-6"	0-2'	0-6"	0-2'	0-6"
	DATE	01/13/92	01/13/92	01/13/92	01/13/92	12/11/91	12/11/91	01/13/92
	MAIN ID	PBG-6-1	PBG-6-4	PBG-7-1	PBG-7-2	PB-H-1-1	PB-H-1-2	PBJ-1-1
	LAB ID	152363	152366	152368	152369	150794	150795	152373
	UNITS							
3-Nitroaniline	ug/Kg	3800 U	3700 U	3600 U	3500 U	3400 U	3300 U	3900 U
Acenaphthene	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
2,4-Dinitrophenol	ug/Kg	3800 U	3700 U	3600 U	3500 U	3400 U	3300 U	3900 U
4-Nitrophenol	ug/Kg	3800 U	3700 U	3600 U	3500 U	3400 U	3300 U	3900 U
Dibenzofuran	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
2,4-Dinitrotoluene	ug/Kg	290 J	78 J	740 U	3600	2200	760	130 J
Diethylphthalate	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
4-Chlorophenyl-phenylether	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
Fluorene	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
4-Nitroaniline	ug/Kg	3800 U	3700 U	3600 U	3500 U	3400 U	3300 U	3900 U
4,6-Dinitro-2-methylphenol	ug/Kg	3800 U	3700 U	3600 U	3500 U	3400 U	3300 U	3900 U
N-Nitrosodiphenylamine (1)	ug/Kg	780 U	760 U	740 U	480 J	71 J	680 U	800 U
4-Bromophenyl-phenylether	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
Hexachlorobenzene	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
Pentachlorophenol	ug/Kg	3800 U	3700 U	300 J	3500 U	3400 U	3300 U	3900 U
Phenanthrene	ug/Kg	96 J	760 U	230 J	720 U	710 U	680 U	93 J
Anthracene	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
Di-n-butylphthalate	ug/Kg	780 U	760 U	320 J	720 U	1500	110 J	480 J
Fluoranthene	ug/Kg	120 J	760 U	420 J	720 U	710 U	680 U	96 J
Pyrene	ug/Kg	110 J	760 U	400 J	720 U	710 U	680 U	100 J
Butylbenzylphthalate	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
3,3'-Dichlorobenzidine	ug/Kg	1600 U	1500 U	1500 U	1400 U	1400 U	1400 U	1600 U
Benzo(a)anthracene	ug/Kg	75 J	760 U	270 J	720 U	710 U	680 U	800 U
Chrysene	ug/Kg	100 J	760 U	330 J	720 U	710 U	680 U	800 U
bis(2-Ethylhexyl)phthalate	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
Di-n-octylphthalate	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
Benzo(b)fluoranthene	ug/Kg	120 J	760 U	400 J	720 U	710 U	680 U	800 U
benzo(k)fluoranthene	ug/Kg	75 J	760 U	210 J	720 U	710 U	680 U	800 U
Benzo(a)pyrene	ug/Kg	780 U	760 U	230 J	720 U	710 U	680 U	800 U
Indeno(1,2,3-cd)pyrene	ug/Kg	780 U	760 U	180 J	720 U	710 U	680 U	800 U
Dibenz(a,h)anthracene	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
Benzo(g,h,i)perylene	ug/Kg	780 U	760 U	210 J	720 U	710 U	680 U	800 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF SEMI-VOLATILE RESULTS

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"	0-2'	0-6"	0-2'	0-6"	0-2'
	DATE	01/13/92	01/13/92	01/14/92	01/14/92	01/14/92	01/15/92	01/15/92
	MAIN ID	PBJ-1-2	PBJ-2-1	PBJ-2-2	PBJ-3-1	PBJ-3-2	PBJ-4-1	PBJ-4-2
	LAB ID	152374	152376	152463	152466	152550	152553	152554
	UNITS							
3-Nitroaniline	ug/Kg	3800 U	4000 U	3800 U	3900 U	3600 U	3600 U	3400 U
Acenaphthene	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
2,4-Dinitrophenol	ug/Kg	3800 U	4000 U	3800 U	3900 U	3600 U	3600 U	3400 U
4-Nitrophenol	ug/Kg	3800 U	4000 U	3800 U	3900 U	3600 U	3600 U	3400 U
Dibenzofuran	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
2,4-Dinitrotoluene	ug/Kg	770 U	820 J	770 U	800 U	750 U	740 U	380 J
Diethylphthalate	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
4-Chlorobenzyl-phenylether	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
Fluorene	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
4-Nitroaniline	ug/Kg	3800 U	4000 U	3800 U	3900 U	3600 U	3600 U	3400 U
4,6-Dinitro-2-methylphenol	ug/Kg	3800 U	4000 U	3800 U	3900 U	3600 U	3600 U	3400 U
N-Nitrosodiphenylamine (1)	ug/Kg	770 U	81 J	770 U	800 U	750 U	740 U	710 U
4-Bromobenzyl-phenylether	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
Hexachlorobenzene	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
Pentachlorobenzol	ug/Kg	3800 U	4000 U	3800 U	3900 U	3600 U	3600 U	3400 U
Phenanthrene	ug/Kg	770 U	840 U	770 U	800 U	750 U	69 J	710 U
Anthracene	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
Di-n-butylphthalate	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
Fluoranthene	ug/Kg	770 U	840 U	770 U	800 U	750 U	90 J	710 U
Pyrene	ug/Kg	770 U	840 U	770 U	800 U	750 U	78 J	710 U
Butylbenzylphthalate	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
3,3'-Dichlorobenzidine	ug/Kg	1500 U	1700 U	1500 U	1600 U	1500 U	1500 U	1400 U
Benzo(a)anthracene	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
Chrysene	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
bis(2-Ethylhexyl)phthalate	ug/Kg	770 U	190 J	110 J	800 U	750 U	140 J	710 U
Di-n-octylphthalate	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
Benzo(b)fluoranthene	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
benzo(k)fluoranthene	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
Benzo(a)pyrene	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
Indeno(1,2,3-cd)pyrene	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
Dibenz(a,h)anthracene	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
Benzo(g,h,i)perylene	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SUMMARY OF SEMI-VOLATILE RESULTS

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"	0-2'	0-6"	0-2'	0-6"	0-2'	0-6"
	DATE	01/15/92	01/15/92	01/15/92	01/15/92	01/15/92	01/15/92	01/15/92
	MAJN ID	PBJ-5-1	PBJ-5-2	PBJ-6-1	PBJ-6-2	PBJ-7-1	PBJ-7-2	PBJ-8-1
	LAB ID	152557	152558	152560	152561	152672	152673	152677
	UNITS							
3-Nitroaniline	ug/Kg	3700 U	3600 U	3800 U	3500 U	3600 U	3400 U	4200 U
Acenaphthene	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
2,4-Dinitrophenol	ug/Kg	3700 U	3600 U	3800 U	3500 U	3600 U	3400 U	4200 U
4-Nitrophenol	ug/Kg	3700 U	3600 U	3800 U	3500 U	3600 U	3400 U	4200 U
Dibenzofuran	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
2,4-Dinitrotoluene	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
Diethylphthalate	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
4-Chlorophenyl-phenylether	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
Fluorene	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
4-Nitroaniline	ug/Kg	3700 U	3600 U	3800 U	3500 U	3600 U	3400 U	4200 U
4,6-Dinitro-2-methylphenol	ug/Kg	3700 U	3600 U	3800 U	3500 U	3600 U	3400 U	4200 U
N-Nitrosodiphenylamine (1)	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
4-Bromophenyl-phenylether	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
Hexachlorobenzene	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
Pentachlorophenol	ug/Kg	3700 U	3600 U	3800 U	3500 U	3600 U	3400 U	4200 U
Phenanthrene	ug/Kg	760 U	740 U	780 U	270 J	750 U	700 U	870 U
Anthracene	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
Di-n-butylphthalate	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
Fluoranthene	ug/Kg	760 U	740 U	780 U	330 J	750 U	700 U	870 U
Pyrene	ug/Kg	760 U	740 U	780 U	230 J	750 U	700 U	870 U
Butylbenzylphthalate	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
3,3'-Dichlorobenzidine	ug/Kg	1500 U	1500 U	1600 U	1400 U	1500 U	1400 U	1700 U
Benzo(a)anthracene	ug/Kg	760 U	740 U	780 U	86 J	750 U	700 U	870 U
Chrysene	ug/Kg	760 U	740 U	780 U	120 J	750 U	700 U	870 U
bis(2-Ethylhexyl)phthalate	ug/Kg	760 U	740 U	780 U	130 J	120 J	1100	190 J
Di-n-octylphthalate	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
Benzo(b)fluoranthene	ug/Kg	760 U	740 U	780 U	81 J	750 U	700 U	870 U
benzo(k)fluoranthene	ug/Kg	760 U	740 U	780 U	96 J	750 U	700 U	870 U
Benzo(a)pyrene	ug/Kg	760 U	740 U	780 U	76 J	750 U	700 U	870 U
Indeno(1,2,3-cd)pyrene	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
Dibenz(a,h)anthracene	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
Benzo(g,h,i)perylene	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U

SENECA ARMY DEPO
OB GROUNDS

PAD BORINGS
SUMMARY OF SEMI-

COMPOUND	MATRIX LOCATION DEPTH DATE MAIN ID LAB ID UNITS	SOIL PAD J 0-2' PBJ-8-2 152678
3-Nitroaniline	ug/Kg	3900 U
Acenaphthene	ug/Kg	800 U
2,4-Dinitrophenol	ug/Kg	3900 U
4-Nitrophenol	ug/Kg	3900 U
Dibenzofuran	ug/Kg	800 U
2,4-Dinitrotoluene	ug/Kg	800 U
Diethylphthalate	ug/Kg	800 U
4-Chlorophenyl-phenylether	ug/Kg	800 U
Fluorene	ug/Kg	800 U
4-Nitroaniline	ug/Kg	3900 U
4,6-Dinitro-2-methylphenol	ug/Kg	3900 U
N-Nitrosodiphenylamine (1)	ug/Kg	800 U
4-Bromophenyl-phenylether	ug/Kg	800 U
Hexachlorobenzene	ug/Kg	800 U
Pentachlorophenol	ug/Kg	3900 U
Phenanthrene	ug/Kg	800 U
Anthracene	ug/Kg	800 U
Di-n-butylphthalate	ug/Kg	800 U
Fluoranthene	ug/Kg	800 U
Pyrene	ug/Kg	800 U
Butylbenzylphthalate	ug/Kg	800 U
3,3'-Dichlorobenzidine	ug/Kg	1600 U
Benzo(a)anthracene	ug/Kg	800 U
Chrysene	ug/Kg	800 U
bis(2-Ethylhexyl)phthalate	ug/Kg	430 J
Di-n-octylphthalate	ug/Kg	800 U
Benzo(b)fluoranthene	ug/Kg	800 U
benzo(k)fluoranthene	ug/Kg	800 U
Benzo(a)pyrene	ug/Kg	800 U
Indeno(1,2,3-cd)pyrene	ug/Kg	800 U
Dibenz(a,h)anthracene	ug/Kg	800 U
Benzo(g,h,i)perylene	ug/Kg	800 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SEMI-VOLATILE ORGANIC RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD A	PAD A	PAD A	PAD A	PAD B	PAD B	PAD C
	DEPTH	0-6"	0-6"	0-2'	0-6"	0-2'	6-8'	0-6"
	DATE	12/16/91	12/16/91	12/16/91	12/16/91	12/11/91	12/11/91	01/07/92
	MAIN ID	PB-A-1	PB-A-1A	PB-A-2	PB-A-2A	PB-B-1-1	PB-B-1-5	PBC-1-1
	LAB ID	151145	151146	151147	151148	150783	150787	151999
	UNITS							
Phenol	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
bis(2-Chloroethyl) ether	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
2-Chlorophenol	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
1,3-Dichlorobenzene	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
1,4-Dichlorobenzene	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
Benzyl Alcohol	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
1,2-Dichlorobenzene	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
2-Methylphenol	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
bis(2-Chloroisopropyl) ether	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
4-Methylphenol	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
N-Nitroso-di-n-propylamine	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
Hexachloroethane	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
Nitrobenzene	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
Isophorone	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
2-Nitrophenol	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
2,4-Dimethylphenol	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
Benzoic acid	ug/Kg	3500 U	3400 U	3500 U	3600 U	4700 U	3600 U	3400 U
bis(2-Chloroethyl) methane	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
2,4-Dichlorophenol	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
1,2,4-Trichlorobenzene	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
Naphthalene	ug/Kg	730 U	710 U	720 U	750 U	160 J	740 U	710 U
4-Chloroaniline	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
Hexachlorobutadiene	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
4-Chloro-3-methylphenol	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
2-Methylnaphthalene	ug/Kg	88 J	87 J	67 J	100 J	960 U	740 U	710 U
Hexachlorocyclopentadiene	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
2,4,6-Trichlorophenol	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
2,4,5-Trichlorophenol	ug/Kg	3500 U	3400 U	3500 U	3600 U	4700 U	3600 U	3400 U
2-Chloronaphthalene	ug/Kg	730 U	710 U	720 U	750 U	130 J	740 U	710 U
2-Nitroaniline	ug/Kg	3500 U	3400 U	3500 U	3600 U	4700 U	3600 U	3400 U
Dimethylphthalate	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
Acenaphthylene	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U
2,6-Dinitrotoluene	ug/Kg	730 U	710 U	720 U	750 U	960 U	740 U	710 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SEMI-VOLATILE ORGANIC RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD C	PAD C	PAD C	PAD D	PAD D	PAD D	PAD D
	DEPTH	0-6"	2-4'	2-4'	0-6"	0-6"	2-4'	2-4'
	DATE	01/07/92	01/07/92	01/07/92	01/07/92	01/07/92	01/07/92	01/07/92
	MAIN ID	PBC-1-1A	PBC-1-4	PBC-1-4A	PBD-1-1	PBD-1-1A	PBD-1-3	PBD-1-3A
	LAB ID	152000	152005	152006	152009	152010	152013	152014
	UNITS							
Phenol	ug/Kg	710 U	360 J	360 J	700 U	710 U	720 U	720 U
bis(2-Chloroethyl) ether	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
2-Chlorophenol	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
1,3-Dichlorobenzene	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
1,4-Dichlorobenzene	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
Benzyl Alcohol	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
1,2-Dichlorobenzene	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
2-Methylphenol	ug/Kg	710 U	650 J	760	700 U	710 U	720 U	720 U
bis(2-Chloroisopropyl) ether	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
4-Methylphenol	ug/Kg	710 U	1100	1300	700 U	710 U	720 U	720 U
N-Nitroso-di-n-propylamine	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
Hexachloroethane	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
Nitrobenzene	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
Isophorone	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
2-Nitrophenol	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
2,4-Dimethylphenol	ug/Kg	710 U	120 J	630 J	700 U	710 U	720 U	720 U
Benzoic acid	ug/Kg	3400 U	3800 U	3600 U	3400 U	3500 U	3500 U	3500 U
bis(2-Chloroethoxy) methane	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
2,4-Dichlorophenol	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
1,2,4-Trichlorobenzene	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
Naphthalene	ug/Kg	710 U	84 J	80 J	700 U	710 U	210 J	190 J
4-Chloroaniline	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
Hexachlorobutadiene	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
4-Chloro-3-methylphenol	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
2-Methylnaphthalene	ug/Kg	710 U	360 J	330 J	700 U	710 U	220 J	160 J
Hexachlorocyclopentadiene	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
2,4,6-Trichlorophenol	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
2,4,5-Trichlorophenol	ug/Kg	3400 U	3800 U	3600 U	3400 U	3500 U	3500 U	3500 U
2-Chloronaphthalene	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
2-Nitroaniline	ug/Kg	3400 U	3800 U	3600 U	3400 U	3500 U	3500 U	3500 U
Dimethylphthalate	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
Acenaphthylene	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U
2,6-Dinitrotoluene	ug/Kg	710 U	780 U	750 U	700 U	710 U	720 U	720 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SEMI-VOLATILE ORGANIC RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD E	PAD E	PAD F	PAD F	PAD G	PAD G	PAD G
	DEPTH	0-6"	2-4'	0-6"	4-6'	0-6"	2-4'	0-6"
	DATE	01/08/92	01/08/92	12/11/91	12/11/91	01/08/92	01/08/92	01/09/92
	MAIN ID	PBE-1-1	PBE-1-3	PB-F-1-1	PB-F-1-4	PBG-1-1	PBG-1-3	PBG-2-1
	LAB ID	152094	152096	150788	150791	152101	152103	152107
	UNITS							
Phenol	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
bis(2-Chloroethyl) ether	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
2-Chlorophenol	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
1,3-Dichlorobenzene	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
1,4-Dichlorobenzene	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
Benzyl Alcohol	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
1,2-Dichlorobenzene	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
2-Methylphenol	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
bis(2-Chloroisopropyl) ether	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
4-Methylphenol	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
N-Nitroso-di-n-propylamine	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
Hexachloroethane	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
Nitrobenzene	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
Isophorone	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
2-Nitrophenol	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
2,4-Dimethylphenol	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
Benzoic acid	ug/Kg	3300 U	3800 U	3500 U	3600 U	3800 U	3800 U	3900 U
bis(2-Chloroethoxy) methane	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
2,4-Dichlorophenol	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
1,2,4-Trichlorobenzene	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
Naphthalene	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
4-Chloroaniline	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
Hexachlorobutadiene	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
4-Chloro-3-methylphenol	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
2-Methylnaphthalene	ug/Kg	680 U	780 U	100 J	730 U	790 U	780 U	800 U
Hexachlorocyclopentadiene	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
2,4,6-Trichlorophenol	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
2,4,5-Trichlorophenol	ug/Kg	3300 U	3800 U	3500 U	3600 U	3800 U	3800 U	3900 U
2-Chloronaphthalene	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
2-Nitroaniline	ug/Kg	3300 U	3800 U	3500 U	3600 U	3800 U	3800 U	3900 U
Dimethylphalate	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
Acenaphthylene	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U
2,6-Dinitrotoluene	ug/Kg	680 U	780 U	730 U	730 U	790 U	780 U	800 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SEMI-VOLATILE ORGANIC RESULTS

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'	0-6"	0-2'
	DATE	01/09/92	01/09/92	01/09/92	01/09/92	01/09/92	01/10/92	01/10/92
	MAIN ID	PBG-2-2	PBG-3-1	PBG-3-2	PBG-4-1	PBG-4-2	PBG-5-1	PBG-5-2
	LAB ID	152108	152112	152113	152203	152204	152206	152207
	UNITS							
Phenol	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
bis(2-Chloroethyl) ether	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
2-Chlorophenol	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
1,3-Dichlorobenzene	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
1,4-Dichlorobenzene	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
Benzyl Alcohol	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
1,2-Dichlorobenzene	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
2-Methylphenol	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
bis(2-Chloroisopropyl) ether	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
4-Methylphenol	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
N-Nitroso-di-n-propylamine	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
Hexachloroethane	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
Nitrobenzene	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
Isophorone	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
2-Nitrophenol	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
2,4-Dimethylphenol	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
Benzoic acid	ug/Kg	3600 U	3900 U	3700 U	4100 U	3800 U	3800 U	3800 U
bis(2-Chloroethyl) methane	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
2,4-Dichlorophenol	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
1,2,4-Trichlorobenzene	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
Naphthalene	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
4-Chloroaniline	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
Hexachlorobutadiene	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
4-Chloro-3-methylphenol	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
2-Methylnaphthalene	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
Hexachlorocyclopentadiene	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
2,4,6-Trichlorophenol	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
2,4,5-Trichlorophenol	ug/Kg	3600 U	3900 U	3700 U	4100 U	3800 U	3800 U	3800 U
2-Chloronaphthalene	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
2-Nitroaniline	ug/Kg	3600 U	3900 U	3700 U	4100 U	3800 U	3800 U	3800 U
Dimethylphalate	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
Acenaphthylene	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	790 U
2,6-Dinitrotoluene	ug/Kg	750 U	810 U	770 U	840 U	790 U	780 U	86 J

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SEMI-VOLATILE ORGANIC RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD G	PAD G	PAD G	PAD G	PAD H	PAD H	PAD J
	DEPTH	0-6"	4' +	0-6"	0-2'	0-6"	0-2'	0-6"
	DATE	01/13/92	01/13/92	01/13/92	01/13/92	12/11/91	12/11/91	01/13/92
	MAIN ID	PBG-6-1	PBG-6-4	PBG-7-1	PBG-7-2	PB-H-1-1	PB-H-1-2	PBJ-1-1
	LAB ID	152363	152366	152368	152369	150794	150795	152373
	UNITS							
Phenol	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
bis(2-Chloroethyl) ether	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
2-Chlorophenol	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
1,3-Dichlorobenzene	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
1,4-Dichlorobenzene	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
Benzyl Alcohol	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
1,2-Dichlorobenzene	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
2-Methylphenol	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
bis(2-Chloroisopropyl) ether	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
4-Methylphenol	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
N-Nitroso-di-n-propylamine	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
Hexachloroethane	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
Nitrobenzene	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
Isophorone	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
2-Nitrophenol	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
2,4-Dimethylphenol	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
Benzoic acid	ug/Kg	98 J	3700 U	3600 U	3500 U	3400 U	3300 U	3900 U
bis(2-Chloroethoxy) methane	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
2,4-Dichlorophenol	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
1,2,4-Trichlorobenzene	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
Naphthalene	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
4-Chloroaniline	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
Hexachlorobutadiene	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
4-Chloro-3-methylphenol	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
2-Methylnaphthalene	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
Hexachlorocyclopentadiene	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
2,4,6-Trichlorophenol	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
2,4,5-Trichlorophenol	ug/Kg	3800 U	3700 U	3600 U	3500 U	3400 U	3300 U	3900 U
2-Chloronaphthalene	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
2-Nitroaniline	ug/Kg	3800 U	3700 U	3600 U	3500 U	3400 U	3300 U	3900 U
Dimethylphalate	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
Acenaphthylene	ug/Kg	780 U	760 U	740 U	720 U	710 U	680 U	800 U
2,6-Dinitrotoluene	ug/Kg	780 U	760 U	740 U	150 J	510 J	680 U	800 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SEMI-VOLATILE ORGANIC RESULTS

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"	0-2'	0-6"	0-2'	0-6"	0-2'
	DATE	01/13/92	01/13/92	01/14/92	01/14/92	01/14/92	01/15/92	01/15/92
	MAIN ID	PBJ-1-2	PBJ-2-1	PBJ-2-2	PBJ-3-1	PBJ-3-2	PBJ-4-1	PBJ-4-2
	LAB ID	152374	152376	152463	152466	152550	152553	152554
	UNITS							
Phenol	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
bis(2-Chloroethyl) ether	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
2-Chlorophenol	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
1,3-Dichlorobenzene	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
1,4-Dichlorobenzene	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
Benzyl Alcohol	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
1,2-Dichlorobenzene	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
2-Methylphenol	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
bis(2-Chloroisopropyl) ether	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
4-Methylphenol	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
N-Nitroso-di-n-propylamine	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
Hexachloroethane	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
Nitrobenzene	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
Isophorone	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
2-Nitrophenol	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
2,4-Dimethylphenol	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
Benzoic acid	ug/Kg	3800 U	4000 U	3800 U	3900 U	3600 U	3600 U	3400 U
bis(2-Chloroethyl) methane	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
2,4-Dichlorophenol	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
1,2,4-Trichlorobenzene	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
Naphthalene	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
4-Chloroaniline	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
Hexachlorobutadiene	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
4-Chloro-3-methylphenol	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
2-Methylnaphthalene	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
Hexachlorocyclopentadiene	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
2,4,6-Trichlorophenol	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
2,4,5-Trichlorophenol	ug/Kg	3800 U	4000 U	3800 U	3900 U	3600 U	3600 U	3400 U
2-Chloronaphthalene	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
2-Nitroaniline	ug/Kg	3800 U	4000 U	3800 U	3900 U	3600 U	3600 U	3400 U
Dimethylphthalate	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
Acenaphthylene	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U
2,6-Dinitrotoluene	ug/Kg	770 U	840 U	770 U	800 U	750 U	740 U	710 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SEMI-VOLATILE ORGANIC RESULTS

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"	0-2'	0-6"	0-2'	0-6"	0-2'	0-6"
	DATE	01/15/92	01/15/92	01/15/92	01/15/92	01/17/92	01/17/92	01/17/92
	MAIN ID	PBJ-5-1	PBJ-5-2	PBJ-6-1	PBJ-6-2	PBJ-7-1	PBJ-7-2	PBJ-8-1
	LAB ID	152557	152558	152560	152561	152672	152673	152677
	UNITS							
Phenol	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
bis(2-Chloroethyl) ether	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
2-Chlorophenol	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
1,3-Dichlorobenzene	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
1,4-Dichlorobenzene	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
Benzyl Alcohol	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
1,2-Dichlorobenzene	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
2-Methylphenol	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
bis(2-Chloroisopropyl) ether	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
4-Methylphenol	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
N-Nitroso-di-n-propylamine	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
Hexachloroethane	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
Nitrobenzene	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
Isophorone	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
2-Nitrophenol	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
2,4-Dimethylphenol	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
Benzoic acid	ug/Kg	3700 U	3600 U	3800 U	3500 U	3600 U	3400 U	4200 U
bis(2-Chloroethyl) methane	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
2,4-Dichlorophenol	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
1,2,4-Trichlorobenzene	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
Naphthalene	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
4-Chloroaniline	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
Hexachlorobutadiene	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
4-Chloro-3-methylphenol	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
2-Methylnaphthalene	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
Hexachlorocyclopentadiene	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
2,4,6-Trichlorophenol	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
2,4,5-Trichlorophenol	ug/Kg	3700 U	3600 U	3800 U	3500 U	3600 U	3400 U	4200 U
2-Chloronaphthalene	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
2-Nitroaniline	ug/Kg	3700 U	3600 U	3800 U	3500 U	3600 U	3400 U	4200 U
Dimethylphthalate	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
Acenaphthylene	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U
2,6-Dinitrotoluene	ug/Kg	760 U	740 U	780 U	720 U	750 U	700 U	870 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
SEMI-VOLATILE ORGANIC RESULTS

COMPOUND	MATRIX LOCATION DEPTH DATE MAIN ID LAB ID UNITS	SOIL PAD J 0-2' 01/17/92 PBJ-8-2 152678	WATER PAD H 12/11/91 RINSATE PB- 150799	WATER PAD F 12/11/91 RINSATE PBF 150798
Phenol	ug/Kg	800 U	10 U	11 U
bis(2-Chloroethyl) ether	ug/Kg	800 U	10 U	11 U
2-Chlorophenol	ug/Kg	800 U	10 U	11 U
1,3-Dichlorobenzene	ug/Kg	800 U	10 U	11 U
1,4-Dichlorobenzene	ug/Kg	800 U	10 U	11 U
Benzyl Alcohol	ug/Kg	800 U	10 U	11 U
1,2-Dichlorobenzene	ug/Kg	800 U	10 U	11 U
2-Methylphenol	ug/Kg	800 U	10 U	11 U
bis(2-Chloroisopropyl) ether	ug/Kg	800 U	10 U	11 U
4-Methylphenol	ug/Kg	800 U	10 U	11 U
N-Nitroso-di-n-propylamine	ug/Kg	800 U	10 U	11 U
Hexachlorocyclohexane	ug/Kg	800 U	10 U	11 U
Nitrobenzene	ug/Kg	800 U	10 U	11 U
Isophorone	ug/Kg	800 U	10 U	11 U
2-Nitrophenol	ug/Kg	800 U	10 U	11 U
2,4-Dimethylphenol	ug/Kg	800 U	10 U	11 U
Benzoic acid	ug/Kg	3900 U	50 U	53 U
bis(2-Chloroethoxy) methane	ug/Kg	800 U	10 U	11 U
2,4-Dichlorophenol	ug/Kg	800 U	10 U	11 U
1,2,4-Trichlorobenzene	ug/Kg	800 U	10 U	11 U
Naphthalene	ug/Kg	800 U	10 U	11 U
4-Chloroaniline	ug/Kg	800 U	10 U	11 U
Hexachlorobutadiene	ug/Kg	800 U	10 U	11 U
4-Chloro-3-methylphenol	ug/Kg	800 U	10 U	11 U
2-Methylnaphthalene	ug/Kg	800 U	10 U	11 U
Hexachlorocyclopentadiene	ug/Kg	800 U	10 U	11 U
2,4,6-Trichlorophenol	ug/Kg	800 U	10 U	11 U
2,4,5-Trichlorophenol	ug/Kg	3900 U	50 U	53 U
2-Chloronaphthalene	ug/Kg	800 U	10 U	11 U
2-Nitroaniline	ug/Kg	3900 U	50 U	53 U
Dimethylphthalate	ug/Kg	800 U	10 U	11 U
Acenaphthylene	ug/Kg	800 U	10 U	11 U
2,6-Dinitrotoluene	ug/Kg	800 U	10 U	11 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
PESTICEDE AND PCB'S ANALYSIS

COMPOUND	MATRIX LOCATION	SOIL PAD A	SOIL PAD-A	SOIL PAD-A	SOIL PAD-A	SOIL PAD-B	SOIL PAD-B	SOIL PAD C
	DATE MAIN ID LAB ID UNITS	0-6" 12/16/91 PB-A-1 151145	0-6" 12/16/91 PB-A-1A 151146	0-2' 12/16/91 PB-A-2 151147	0-2' 12/16/91 PB-A-2A 151148	0-6" 12/11/91 PB-B-1-1 150783	0-2' 12/11/91 PB-B-1-5 150787	0-6" 01/07/92 PB-C-1-1 151999
alpha-BHC	ug/L	88 U	52 U	17 U	18 U	180 U	18 U	17 U
beta-BHC	ug/L	88 U	52 U	17 U	18 U	180 U	18 U	17 U
delta-BHC	ug/L	88 U	52 U	17 U	18 U	180 U	18 U	17 U
gamma-BHC (Lindane)	ug/L	88 U	52 U	17 U	18 U	180 U	18 U	17 U
Heptachlor	ug/L	88 U	52 U	17 U	18 U	180 U	18 U	17 U
Aldrin	ug/L	88 U	52 U	17 U	18 U	180 U	18 U	17 U
Heptachlor epoxide	ug/L	88 U	52 U	17 U	18 U	180 U	18 U	17 U
Endosulfan I	ug/L	88 U	52 U	17 U	18 U	180 U	18 U	17 U
Dieldrin	ug/L	180 U	100 U	35 U	36 U	350 U	36 U	34 U
4,4'-DDE	ug/L	140 Y	100 Y	21 Y	28 Y	350 U	36 U	34 U
Endrin	ug/L	180 U	100 U	35 U	36 U	350 U	36 U	34 U
Endosulfan II	ug/L	180 U	100 U	35 U	36 U	350 U	36 U	34 U
4,4'-DDD	ug/L	180 U	100 U	35 U	36 U	350 U	36 U	34 U
Endosulfan sulfate	ug/L	180 U	100 U	35 U	36 U	350 U	36 U	34 U
4,4'-DDT	ug/L	180 U	100 U	35 U	36 U	350 U	36 U	34 U
Methoxychor	ug/L	880 U	520 U	170 U	180 U	1800 U	180 U	170 U
Endrin ketone	ug/L	180 U	100 U	35 U	36 U	350 U	36 U	34 U
alpha-Chlordane	ug/L	880 U	520 U	170 U	180 U	1800 U	180 U	170 U
gamma-Chlordane	ug/L	880 U	520 U	170 U	180 U	1800 U	180 U	170 U
Toxaphene	ug/L	1800 U	1000 U	350 U	360 U	3500 U	360 U	340 U
Aroclor-1016	ug/L	880 U	520 U	170 U	180 U	1800 U	180 U	170 U
Aroclor-1221	ug/L	880 U	520 U	170 U	180 U	1800 U	180 U	170 U
Aroclor-1232	ug/L	880 U	520 U	170 U	180 U	1800 U	180 U	170 U
Aroclor-1242	ug/L	880 U	520 U	170 U	180 U	1800 U	180 U	170 U
Aroclor-1248	ug/L	880 U	520 U	170 U	180 U	1800 U	180 U	170 U
Aroclor-1254	ug/L	1800 U	1000 U	350 U	360 U	3500 U	360 U	340 U
Aroclor-1260	ug/L	1800 U	1000 U	350 U	360 U	3500 U	360 U	340 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
PESTICEDE AND PCB'S ANALYSIS

COMPOUND	MATRIX LOCATION	SOIL PAD C	SOIL PAD C	SOIL PAD C	SOIL PAD D	SOIL PAD D	SOIL PAD D	SOIL PAD D
	DATE MAIN ID LAB ID UNITS	0-6" 01/07/92 PB-C-1-1A 152000	4'-6" 01/07/92 PB-C-1-4 152005	4'-6" 01/07/92 PB-C-1-4A 152006	0-6" 01/07/92 PB-D-1-1 152009	0-6" 01/07/92 PB-D-1-1A 152010	2'-4" 01/07/92 PB-D-1-3 152013	2'-4" 01/07/92 PB-D-1-3A 152014
alpha-BHC	ug/L	17 U	19 U	18 U	17 U	17 U	18 U	17 U
beta-BHC	ug/L	17 U	19 U	18 U	17 U	17 U	18 U	17 U
delta-BHC	ug/L	17 U	19 U	18 U	17 U	17 U	18 U	17 U
gamma-BHC (Lindane)	ug/L	17 U	19 U	18 U	17 U	17 U	18 U	17 U
Heptachlor	ug/L	17 U	19 U	18 U	17 U	17 U	18 U	17 U
Aldrin	ug/L	17 U	19 U	18 U	17 U	17 U	18 U	17 U
Heptachlor epoxide	ug/L	17 U	19 U	18 U	17 U	17 U	18 U	17 U
Endosulfan I	ug/L	17 U	19 U	18 U	17 U	17 U	18 U	17 U
Dieldrin	ug/L	34 U	38 U	36 U	34 U	35 U	35 U	35 U
4,4'-DDE	ug/L	34 U	38 U	36 U	34 U	35 U	35 U	35 U
Endrin	ug/L	34 U	38 U	36 U	34 U	35 U	35 U	35 U
Endosulfan II	ug/L	34 U	38 U	36 U	34 U	35 U	35 U	35 U
4,4'-DDD	ug/L	34 U	38 U	36 U	34 U	35 U	35 U	35 U
Endosulfan sulfate	ug/L	34 U	38 U	36 U	34 U	35 U	35 U	35 U
4,4'-DDT	ug/L	34 U	38 U	36 U	34 U	35 U	35 U	35 U
Methoxychor	ug/L	170 U	190 U	180 U	170 U	170 U	180 U	170 U
Endrin ketone	ug/L	34 U	38 U	36 U	34 U	35 U	35 U	35 U
alpha-Chlordane	ug/L	170 U	190 U	180 U	170 U	170 U	180 U	170 U
gamma-Chlordane	ug/L	170 U	190 U	180 U	170 U	170 U	180 U	170 U
Toxaphene	ug/L	340 U	380 U	360 U	340 U	350 U	350 U	350 U
Aroclor-1016	ug/L	170 U	190 U	180 U	170 U	170 U	180 U	170 U
Aroclor-1221	ug/L	170 U	190 U	180 U	170 U	170 U	180 U	170 U
Aroclor-1232	ug/L	170 U	190 U	180 U	170 U	170 U	180 U	170 U
Aroclor-1242	ug/L	170 U	190 U	180 U	170 U	170 U	180 U	170 U
Aroclor-1248	ug/L	170 U	190 U	180 U	170 U	170 U	180 U	170 U
Aroclor-1254	ug/L	340 U	380 U	360 U	340 U	350 U	350 U	350 U
Aroclor-1260	ug/L	340 U	380 U	360 U	340 U	350 U	350 U	350 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
PESTICEDE AND PCB'S ANALYSIS

COMPOUND	MATRIX LOCATION	SOIL PAD E 0-6"	SOIL PAD E 2'-4'	SOIL PAD-F 0-6"	SOIL PAD-F 4-6'	SOIL PAD G 0-6"	SOIL PAD G 0-2'	SOIL PAD G 0-6"
	DATE MAIN ID LAB ID UNITS	01/07/92 PB-E-1-1 152094	01/07/92 PB-E-1-3 152096	12/11/91 PB-F-1-1 150788	12/11/91 PB-F-1-4 150791	01/08/92 PB-G-1-1 152101	01/08/92 PB-G-1-3 152103	01/09/92 PB-G-2-1 152107
alpha-BHC	ug/L	17 U	19 U	18 U	18 U	19 U	19 U	19 U
beta-BHC	ug/L	17 U	19 U	18 U	18 U	19 U	19 U	19 U
delta-BHC	ug/L	17 U	19 U	18 U	18 U	19 U	19 U	19 U
gamma-BHC (Lindane)	ug/L	17 U	19 U	18 U	18 U	19 U	19 U	19 U
Heptachlor	ug/L	17 U	19 U	18 U	18 U	19 U	19 U	19 U
Aldrin	ug/L	17 U	19 U	18 U	18 U	19 U	19 U	19 U
Heptachlor epoxide	ug/L	17 U	19 U	18 U	18 U	19 U	19 U	19 U
Endosulfan I	ug/L	17 U	19 U	18 U	18 U	19 U	19 U	19 U
Dieldrin	ug/L	33 U	38 U	35 U	36 U	38 U	38 U	39 U
4,4'-DDE	ug/L	33 U	38 U	35 U	36 U	38 U	38 U	39 U
Endrin	ug/L	33 U	38 U	35 U	36 U	38 U	38 U	39 U
Endosulfan II	ug/L	33 U	38 U	35 U	36 U	38 U	38 U	39 U
4,4'-DDD	ug/L	33 U	38 U	35 U	36 U	38 U	38 U	39 U
Endosulfan sulfate	ug/L	33 U	38 U	35 U	36 U	38 U	38 U	39 U
4,4'-DDT	ug/L	33 U	38 U	35 U	36 U	33 Y	38 U	39 U
Methoxychlor	ug/L	170 U	190 U	180 U	180 U	190 U	190 U	190 U
Endrin ketone	ug/L	33 U	38 U	35 U	36 U	38 U	38 U	39 U
alpha-Chlordane	ug/L	170 U	190 U	180 U	180 U	190 U	190 U	190 U
gamma-Chlordane	ug/L	170 U	190 U	180 U	180 U	190 U	190 U	190 U
Toxaphene	ug/L	330 U	380 U	350 U	360 U	380 U	380 U	390 U
Aroclor-1016	ug/L	170 U	190 U	180 U	180 U	190 U	190 U	190 U
Aroclor-1221	ug/L	170 U	190 U	180 U	180 U	190 U	190 U	190 U
Aroclor-1232	ug/L	170 U	190 U	180 U	180 U	190 U	190 U	190 U
Aroclor-1242	ug/L	170 U	190 U	180 U	180 U	190 U	190 U	190 U
Aroclor-1248	ug/L	170 U	190 U	180 U	180 U	190 U	190 U	190 U
Aroclor-1254	ug/L	330 U	380 U	350 U	360 U	380 U	380 U	390 U
Aroclor-1260	ug/L	330 U	380 U	350 U	360 U	380 U	380 U	390 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
PESTICEDE AND PCB'S ANALYSIS

COMPOUND	MATRIX LOCATION	SOIL PAD G	SOIL PAD G	SOIL PAD G	SOIL PAD G	SOIL PAD G	SOIL PAD G	SOIL PAD G
	DATE	0-2'	0-6"	0-2'	0-6"	0-2'	0-6"	0-2'
	MAINID	PB-G-2-2	PB-G-3-1	PB-G-3-2	PB-G-4-1	PB-G-4-2	PB-G-5-1	PB-G-5-2
	LAB ID	152108	152112	152113	152203	152204	152206	152207
	UNITS							
alpha-BHC	ug/L	18 U	20 U	19 U	20 U	19 U	19 U	19 U
beta-BHC	ug/L	18 U	20 U	19 U	20 U	19 U	19 U	19 U
delta-BHC	ug/L	18 U	20 U	19 U	20 U	19 U	19 U	19 U
gamma-BHC (Lindane)	ug/L	18 U	20 U	19 U	20 U	19 U	19 U	19 U
Heptachlor	ug/L	18 U	20 U	19 U	20 U	19 U	19 U	19 U
Aldrin	ug/L	18 U	20 U	19 U	20 U	19 U	19 U	19 U
Heptachlor epoxide	ug/L	18 U	20 U	19 U	20 U	19 U	19 U	19 U
Endosulfan I	ug/L	18 U	20 U	19 U	20 U	19 U	19 U	19 U
Dieldrin	ug/L	36 U	39 U	37 U	41 U	38 U	38 U	38 U
4,4'-DDE	ug/L	36 U	39 U	37 U	41 U	38 U	38 U	38 U
Endrin	ug/L	36 U	39 U	37 U	41 U	38 U	38 U	38 U
Endosulfan II	ug/L	36 U	39 U	37 U	41 U	38 U	38 U	38 U
4,4'-DDD	ug/L	36 U	39 U	37 U	41 U	38 U	38 U	38 U
Endosulfan sulfate	ug/L	36 U	39 U	37 U	41 U	38 U	38 U	38 U
4,4'-DDT	ug/L	36 U	39 U	37 U	41 U	38 U	38 U	38 U
Methoxychor	ug/L	180 U	200 U	190 U	200 U	190 U	190 U	190 U
Endrin ketone	ug/L	36 U	39 U	37 U	41 U	38 U	38 U	38 U
alpha-Chlordane	ug/L	180 U	200 U	190 U	200 U	190 U	190 U	190 U
gamma-Chlordane	ug/L	180 U	200 U	190 U	200 U	190 U	190 U	190 U
Toxaphene	ug/L	360 U	390 U	370 U	410 U	380 U	380 U	380 U
Aroclor-1016	ug/L	180 U	200 U	190 U	200 U	190 U	190 U	190 U
Aroclor-1221	ug/L	180 U	200 U	190 U	200 U	190 U	190 U	190 U
Aroclor-1232	ug/L	180 U	200 U	190 U	200 U	190 U	190 U	190 U
Aroclor-1242	ug/L	180 U	200 U	190 U	200 U	190 U	190 U	190 U
Aroclor-1248	ug/L	180 U	200 U	190 U	200 U	190 U	190 U	190 U
Aroclor-1254	ug/L	360 U	390 U	370 U	410 U	380 U	380 U	380 U
Aroclor-1260	ug/L	360 U	390 U	370 U	410 U	380 U	380 U	380 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
PESTICEDE AND PCB'S ANALYSIS

COMPOUND	MATRIX LOCATION	SOIL PAD G	SOIL PAD G	SOIL PAD G	SOIL PAD G	SOIL PAD-H	SOIL PAD-H	SOIL PAD J
	DATE MAIN ID LAB ID UNITS	0-6" 01/13/92 PB-G-6-1 152363	4' + 01/13/92 PB-G-6-4 152366	0-6" 01/13/92 PB-G-7-1 152368	0-2' 01/13/92 PB-G-7-2 152369	0-6" 12/11/91 PB-H-1-1 150794	0-2' 12/11/91 PB-H-1-2 150795	0-6" 01/13/92 PBJ-1-1DL 152373
alpha-BHC	ug/L	19 U	19 U	18 U	17 U	17 U	17 U	58 U
beta-BHC	ug/L	19 U	19 U	18 U	17 U	17 U	17 U	58 U
delta-BHC	ug/L	19 U	19 U	18 U	17 U	17 U	17 U	58 U
gamma-BHC (Lindane)	ug/L	19 U	19 U	18 U	17 U	17 U	17 U	58 U
Heptachlor	ug/L	19 U	19 U	18 U	17 U	17 U	17 U	58 U
Aldrin	ug/L	19 U	19 U	18 U	17 U	17 U	17 U	58 U
Heptachlor epoxide	ug/L	19 U	19 U	18 U	17 U	17 U	17 U	58 U
Endosulfan I	ug/L	19 U	19 U	18 U	17 U	17 U	17 U	58 U
Dieldrin	ug/L	38 U	37 U	36 U	35 U	34 U	33 U	120 U
4,4'-DDE	ug/L	38 U	37 U	36 U	35 U	34 U	33 U	980 X
Endrin	ug/L	38 U	37 U	36 U	35 U	34 U	33 U	120 U
Endosulfan II	ug/L	38 U	37 U	36 U	35 U	34 U	33 U	120 U
4,4'-DDD	ug/L	38 U	37 U	36 U	35 U	34 U	33 U	120 U
Endosulfan sulfate	ug/L	38 U	37 U	36 U	35 U	34 U	33 U	120 U
4,4'-DDT	ug/L	38 U	37 U	36 U	35 U	34 U	33 U	320 C
Methoxychor	ug/L	190 U	190 U	180 U	170 U	170 U	170 U	580 U
Endrin ketone	ug/L	38 U	37 U	36 U	35 U	34 U	33 U	120 U
alpha-Chlordane	ug/L	190 U	190 U	180 U	170 U	170 U	170 U	580 U
gamma-Chlordane	ug/L	190 U	190 U	180 U	170 U	170 U	170 U	580 U
Toxaphene	ug/L	380 U	370 U	360 U	350 U	340 U	330 U	1200 U
Aroclor-1016	ug/L	190 U	190 U	180 U	170 U	170 U	170 U	580 U
Aroclor-1221	ug/L	190 U	190 U	180 U	170 U	170 U	170 U	580 U
Aroclor-1232	ug/L	190 U	190 U	180 U	170 U	170 U	170 U	580 U
Aroclor-1242	ug/L	190 U	190 U	180 U	170 U	170 U	170 U	580 U
Aroclor-1248	ug/L	190 U	190 U	180 U	170 U	170 U	170 U	580 U
Aroclor-1254	ug/L	380 U	370 U	360 U	350 U	340 U	330 U	1200 U
Aroclor-1260	ug/L	380 U	370 U	360 U	350 U	340 U	330 U	1200 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
PESTICEDE AND PCB'S ANALYSIS

COMPOUND	MATRIX LOCATION	SOIL PAD J	SOIL PAD J	SOIL PAD J	SOIL PAD J	SOIL PAD J	SOIL PAD-J	SOIL PAD-J
	DATE MAIN ID LAB ID UNITS	0-6" 01/13/92 PBJ-1-1DL1 152373	0-2" 01/13/92 PB-J-1-2 152374	0-6" 01/13/92 PB-J-2-1 152376	0-2" 01/14/92 PB-J-2-2 152463	0-6" 01/14/92 PB-J-3-1 152466	0-2" 01/14/92 PB-J-3-2 152550	0-6" 01/15/92 PB-J-4-1 152553
alpha-BHC	ug/L	580 U	19 U	20 U	19 U	19 U	18 U	18 U
beta-BHC	ug/L	580 U	19 U	20 U	19 U	19 U	18 U	18 U
delta-BHC	ug/L	580 U	19 U	20 U	19 U	19 U	18 U	18 U
gamma-BHC (Lindane)	ug/L	580 U	19 U	20 U	19 U	19 U	18 U	18 U
Heptachlor	ug/L	580 U	19 U	20 U	19 U	19 U	18 U	18 U
Aldrin	ug/L	580 U	19 U	20 U	19 U	19 U	18 U	18 U
Heptachlor epoxide	ug/L	580 U	19 U	20 U	19 U	19 U	18 U	18 U
Endosulfan I	ug/L	580 U	19 U	20 U	19 U	19 U	18 U	18 U
Dieldrin	ug/L	1200 U	38 U	40 U	38 U	39 U	36 U	36 U
4,4'-DDE	ug/L	830 Y	32 Y	38 Y	38 U	21 Y	36 U	25 Y
Endrin	ug/L	1200 U	38 U	40 U	38 U	39 U	36 U	36 U
Endosulfan II	ug/L	1200 U	38 U	40 U	38 U	39 U	36 U	36 U
4,4'-DDD	ug/L	1200 U	38 U	40 U	38 U	39 U	36 U	36 U
Endosulfan sulfate	ug/L	1200 U	38 U	40 U	38 U	39 U	36 U	36 U
4,4'-DDT	ug/L	1200 U	38 U	40 U	38 U	39 U	36 U	36 U
Methoxychor	ug/L	5800 U	190 U	200 U	190 U	190 U	180 U	180 U
Endrin ketone	ug/L	1200 U	38 U	40 U	38 U	39 U	36 U	36 U
alpha-Chlordane	ug/L	5800 U	190 U	200 U	190 U	190 U	180 U	180 U
gamma-Chlordane	ug/L	5800 U	190 U	200 U	190 U	190 U	180 U	180 U
Toxaphene	ug/L	12000 U	380 U	400 U	380 U	390 U	360 U	360 U
Aroclor-1016	ug/L	5800 U	190 U	200 U	190 U	190 U	180 U	180 U
Aroclor-1221	ug/L	5800 U	190 U	200 U	190 U	190 U	180 U	180 U
Aroclor-1232	ug/L	5800 U	190 U	200 U	190 U	190 U	180 U	180 U
Aroclor-1242	ug/L	5800 U	190 U	200 U	190 U	190 U	180 U	180 U
Aroclor-1248	ug/L	5800 U	190 U	200 U	190 U	190 U	180 U	180 U
Aroclor-1254	ug/L	12000 U	380 U	400 U	380 U	390 U	360 U	360 U
Aroclor-1260	ug/L	12000 U	380 U	400 U	380 U	390 U	360 U	360 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
PESTICEDE AND PCB'S ANALYSIS

COMPOUND	MATRIX LOCATION	SOIL PAD-J	SOIL PAD-J	SOIL PAD-J	SOIL PAD-J	SOIL PAD-J	SOIL PAD-J	SOIL PAD-J
	DATE MAIN ID LAB ID UNITS	0-2' 01/15/92 PB-J-4-2 152554	0-6' 01/15/92 PB-J-5-1 152557	0-2' 01/15/92 PB-J-5-2 152558	0-6' 01/15/92 PB-J-6-1 152560	0-6' 01/15/92 PBJ-6-1DL 152560	0-2' 01/15/92 PB-J-6-2 152561	0-6' 01/18/92 PB-J-7-1 152672
alpha-BHC	ug/L	17 U	18 U	18 U	19 U	57 U	17 U	18 U
beta-BHC	ug/L	17 U	18 U	18 U	19 U	57 U	17 U	18 U
delta-BHC	ug/L	17 U	18 U	18 U	19 U	57 U	17 U	18 U
gamma-BHC (Lindane)	ug/L	17 U	18 U	18 U	19 U	57 U	17 U	18 U
Heptachlor	ug/L	17 U	18 U	18 U	19 U	57 U	17 U	18 U
Aldrin	ug/L	17 U	18 U	18 U	19 U	57 U	17 U	18 U
Heptachlor epoxide	ug/L	17 U	18 U	18 U	19 U	57 U	17 U	18 U
Endosulfan I	ug/L	17 U	18 U	18 U	19 U	57 U	17 U	18 U
Dieldrin	ug/L	34 U	37 U	36 U	38 U	110 U	35 U	36 U
4,4'-DDE	ug/L	34 U	18 Y	36 U	97 X	79 Y	19 Y	36 U
Endrin	ug/L	34 U	37 U	36 U	38 U	110 U	35 U	36 U
Endosulfan II	ug/L	34 U	37 U	36 U	38 U	110 U	35 U	36 U
4,4'-DDD	ug/L	34 U	37 U	36 U	38 U	110 U	35 U	36 U
Endosulfan sulfate	ug/L	34 U	37 U	36 U	38 U	110 U	35 U	36 U
4,4'-DDT	ug/L	34 U	37 U	36 U	23 Y	110 U	35 U	36 U
Methoxychor	ug/L	170 U	180 U	180 U	190 U	570 U	170 U	180 U
Endrin ketone	ug/L	34 U	37 U	36 U	38 U	110 U	35 U	36 U
alpha-Chlordane	ug/L	170 U	180 U	180 U	190 U	570 U	170 U	180 U
gamma-Chlordane	ug/L	170 U	180 U	180 U	190 U	570 U	170 U	180 U
Toxaphene	ug/L	340 U	370 U	360 U	380 U	1100 U	350 U	360 U
Aroclor-1016	ug/L	170 U	180 U	180 U	190 U	570 U	170 U	180 U
Aroclor-1221	ug/L	170 U	180 U	180 U	190 U	570 U	170 U	180 U
Aroclor-1232	ug/L	170 U	180 U	180 U	190 U	570 U	170 U	180 U
Aroclor-1242	ug/L	170 U	180 U	180 U	190 U	570 U	170 U	180 U
Aroclor-1248	ug/L	170 U	180 U	180 U	190 U	570 U	170 U	180 U
Aroclor-1254	ug/L	340 U	370 U	360 U	380 U	1100 U	350 U	360 U
Aroclor-1260	ug/L	340 U	370 U	360 U	380 U	1100 U	350 U	360 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
PESTICEDE AND PCB'S ANALYSIS

COMPOUND	MATRIX LOCATION	SOIL PAD-J 0-2'	SOIL PAD-J 0-6"	SOIL PAD-J 0-2'
	DATE MAIN ID LAB ID UNITS	01/18/92 PB-J-7-2 152673	01/23/92 PB-J-8-1 152677	01/18/92 PB-J-8-2 152678
alpha-BHC	ug/L	17 U	21 U	19 U
beta-BHC	ug/L	17 U	21 U	19 U
delta-BHC	ug/L	17 U	21 U	19 U
gamma-BHC (Lindane)	ug/L	17 U	21 U	19 U
Heptachlor	ug/L	17 U	21 U	19 U
Aldrin	ug/L	17 U	21 U	19 U
Heptachlor epoxide	ug/L	17 U	21 U	19 U
Endosulfan I	ug/L	17 U	21 U	19 U
Dieldrin	ug/L	34 U	42 U	39 U
4,4'-DDE	ug/L	34 U	42 U	39 U
Endrin	ug/L	34 U	41 Y	39 U
Endosulfan II	ug/L	34 U	42 U	39 U
4,4'-DDD	ug/L	34 U	42 U	39 U
Endosulfan sulfate	ug/L	34 U	42 U	39 U
4,4'-DDT	ug/L	34 U	42 U	39 U
Methoxychor	ug/L	170 U	210 U	190 U
Endrin ketone	ug/L	34 U	42 U	39 U
alpha-Chlordane	ug/L	170 U	210 U	190 U
gamma-Chlordane	ug/L	170 U	210 U	190 U
Toxaphene	ug/L	340 U	420 U	390 U
Aroclor-1016	ug/L	170 U	210 U	190 U
Aroclor-1221	ug/L	170 U	210 U	190 U
Aroclor-1232	ug/L	170 U	210 U	190 U
Aroclor-1242	ug/L	170 U	210 U	190 U
Aroclor-1248	ug/L	170 U	210 U	190 U
Aroclor-1254	ug/L	340 U	420 U	390 U
Aroclor-1260	ug/L	340 U	420 U	390 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
EXPLOSIVES

COMPOUND	UNITS	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		LOCATION	PAD A	PAD-A	PAD-A	PAD-A	PAD-B	PAD-B	PAD C
			0-6"	0-6"	0-2'	0-2'	0-6"	0-2'	0-6"
		DATE	12/16/91	12/16/91	12/16/91	12/16/91	12/11/91	12/11/91	01/07/92
		MAIN ID	PB-A-1	PB-A-1A	PB-A-2	PB-A-2A	PB-B-1-1	PB-B-1-5	PB-C-1-1
		LAB ID	151145	151146	151147	151148	150783	150787	151999
HMX	ug/Kg		1000 U	1000 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	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		400 U	400 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	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		1400	1500	1600	600	120 U	120 U	120 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
EXPLOSIVES

COMPOUND	UNITS	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		LOCATION	PAD C	PAD C	PAD C	PAD D	PAD D	PAD D	PAD D
		DATE	0-6"	4'-6'	4'-6'	0-6"	0-6"	2'-4'	2'-4'
MAIN ID	01/07/92	01/07/92	01/07/92	01/07/92	01/07/92	01/07/92	01/07/92	01/07/92	
LAB ID	PB-C-1-1A	PB-C-1-4	PB-C-1-4A	PB-D-1-1	PB-D-1-1A	PB-D-1-3	PB-D-1-3A		
	152000	152005	152006	152009	152010	152013	152014		
HMX	ug/Kg	1000 U	1000 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	190 *	
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	400 U	400 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	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	130 U	120 U	120 U	

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
EXPLOSIVES

COMPOUND	UNITS	MATRIX LOCATION	SOIL PAD E	SOIL PAD E	SOIL PAD-F	SOIL PAD-F	SOIL PAD G	SOIL PAD G	SOIL PAD G
		DATE	0-6"	2'-4'	0-6"	4-6'	0-6"	2-4'	0-6"
		MAIN ID	01/07/92	01/07/92	12/11/91	12/11/91	01/08/92	01/08/92	01/09/92
LAB ID	PB-E-1-1	PB-E-1-3	PB-F-1-1	PB-F-1-4	PB-G-1-1	PB-G-1-3	PB-G-2-1		
		152094	152096	150788	150791	152101	152103	152107	
HMX	ug/Kg		1000 U	1000 U	1000 U	1000 U	980 Y	1000 U	1300
RDX	ug/Kg		120 U	120 U	280	120 U	2900	120 U	4800
1,3,5-Trinitrobenzene	ug/Kg		120 U	120 U	160	120 U	250	210	260
1,3-Dinitrobenzene	ug/Kg		120 U	120 U	120 U	120 U	120 U	120 U	120 U
Tetryl	ug/Kg		400 U	400 U	400 U	400 U	400 U	400 U	400 U
2,4,6-Trinitrotoluene	ug/Kg		120 U	120 U	590	120 U	390	290	120 U
4-amino-2,6-Dinitrotoluene	ug/Kg		120 U	120 U	2500	120 U	600	270	250
2-amino-4,6-Dinitrotoluene	ug/Kg		120 U	120 U	2700	120 U	480	530	150
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	510	570	120 U	180	110 Y	240

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
EXPLOSIVES

COMPOUND	UNITS	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		LOCATION	PAD G	PAD G	PAD G	PAD G	PAD G	PAD G	PAD G
		DATE	0-2'	0-6"	0-2'	0-6"	0-2'	0-6"	0-2'
MAIN ID	01/09/92	01/09/92	01/09/92	01/09/92	01/09/92	01/09/92	01/10/92	01/10/92	
LAB ID	PB-G-2-2	PB-G-3-1	PB-G-3-2	PB-G-4-1	PB-G-4-2	PB-G-5-1	PB-G-5-2		
	152108	152112	152113	152203	152204	152206	152207		
HMX	ug/Kg	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	
RDX	ug/Kg	170 *	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	400 U	400 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	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	300	76 Y	120 U	120 U	120 U	120 U	120 U	

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
EXPLOSIVES

COMPOUND	UNITS	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		LOCATION	PAD G	PAD G	PAD G	PAD G	PAD-H	PAD-H	PAD J
		DATE	0-6"	4' +	0-6"	0-2'	0-6"	0-2'	0-6"
		01/13/92	01/13/92	01/13/92	01/13/92	12/11/91	12/11/91	01/13/92	
		MAIN ID	PB-G-6-1	PB-G-6-4	PB-G-7-1	PB-G-7-2	PB-H-1-1	PB-H-1-2	PB-J-1-1
		LAB ID	152363	152366	152368	152369	150794	150795	152373
HMX	ug/Kg		1000 U	1000 U	1000	1000 U	1000 U	1000 U	1000 U
RDX	ug/Kg		120 U	120 U	120	120 U	120 U	120 U	120 U
1,3,5-Trinitrobenzene	ug/Kg		250	120 U	80	120 U	200	350	120 U
1,3-Dinitrobenzene	ug/Kg		120 U	120 U	120	120 U	440	150	120 U
Tetryl	ug/Kg		400 U	400 U	400	400 U	400 U	400 U	400 U
2,4,6-Trinitrotoluene	ug/Kg		120 U	120 U	120	120 U	120 U	910	120 U
4-amino-2,6-Dinitrotoluene	ug/Kg		590	120 U	120	210	120 U	810	120 U
2-amino-4,6-Dinitrotoluene	ug/Kg		360	120 U	120	220	120 U	1300	120 U
2,6-Dinitrotoluene	ug/Kg		120 U	120 U	120	120 U	120 U	120 U	120 U
2,4-Dinitrotoluene	ug/Kg		1200	260	79	4000	3900	1500	420

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
EXPLOSIVES

COMPOUND	UNITS	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		LOCATION	PAD J	PAD J	PAD J	PAD J	PAD-J	PAD-J	PAD-J
			0-2'	0-6"	0-2'	0-6"	0-2'	0-6"	0-2'
		DATE	01/13/92	01/13/92	01/14/92	01/14/92	01/14/92	01/15/92	01/15/92
		MAIN ID	PB-J-1-2	PB-J-2-1	PB-J-2-2	PB-J-3-1	PB-J-3-2	PB-J-4-1	PB-J-4-2
		LAB ID	152374	152376	152463	152466	152550	152553	152554
HMX	ug/Kg		1000 U	1000 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	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		400 U	400 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	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	370	120 U	300	120 U	86 Y	130

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
EXPLOSIVES

COMPOUND	UNITS	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
		LOCATION	PAD -J	PAD -J	PAD-J	PAD-J	PAD-J
			0-6"	0-2'	0-6"	0-2'	0-6"
		DATE	01/15/92	01/15/92	01/15/92	01/15/92	01/18/92
		MAIN ID	PB-J-5-1	PB-J-5-2	PB-J-6-1	PB-J-6-2	PB-J-7-1
		LAB ID	152557	152558	152560	152561	152672
							152673
HMX	ug/Kg		1000 U	1000 U	1000 U	1000 U	1000 U
RDX	ug/Kg		120 U	120 U	270 *	120 U	120 U
1,3-Thinkrobenzene	ug/Kg		120 U	120 U	120	120 U	120 U
1,3-Dinkrobenzene	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-Thinkrotoluene	ug/Kg		120 U	120 U	120 U	120 U	120 U
4-amino-2,6-Dinkrotoluene	ug/Kg		120 U	120 U	120 U	120 U	120 U
2-amino-4,6-Dinkrotoluene	ug/Kg		120 U	120 U	120 U	120 U	120 U
2,6-Dinkrotoluene	ug/Kg		120 U	120 U	120 U	120 U	120 U
2,4-Dinkrotoluene	ug/Kg		210	330	77 Y	140	120 U

COMPOUND	UNITS	MATRIX	SOIL	SOIL
		LOCATION	PAD-J	PAD-J
			0-6"	0-2"
		DATE	01/23/92	01/18/92
		MAIN ID	PB-J-8-1	PB-J-8-2
		LAB ID	152677	152678
HMX	ug/Kg		1000 U	1000 U
RDX	ug/Kg		120 U	120 U
1,3,5-Trinitrobenzene	ug/Kg		120 U	120 U
1,3-Dinitrobenzene	ug/Kg		120 U	120 U
Tetryl	ug/Kg		400 U	400 U
2,4,6-Trinitrotoluene	ug/Kg		120 U	120 U
4-amino-2,6-Dinitrotoluene	ug/Kg		120 U	120 U
2-amino-4,6-Dinitrotoluene	ug/Kg		120 U	120 U
2,6-Dinitrotoluene	ug/Kg		120 U	120 U
2,4-Dinitrotoluene	ug/Kg		71 Y	120 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
INORGANIC ANALYSIS

COMPOUND	MATRIX LOCATION	SOIL PAD A	SOIL PAD-A	SOIL PAD-A	SOIL PAD-A	SOIL PAD-B	SOIL PAD-B	SOIL PAD C
	DATE MAIN ID LAB ID UNITS	0-6" 12/16/91 PB-A-1 151145	0-6" 12/16/91 PB-A-1A 151146	0-2' 12/16/91 PB-A-2 151147	0-2' 12/16/91 PB-A-2A 151148	0-6" 12/11/91 PB-B-1-1 150783	2'-4' 12/11/91 PB-B-1-3 150785	0-6" 01/07/92 PB-C-1-1 151999
Aluminum	mg/kg	14800	15000	15800	13300	15700	16600	13100
Antimony	mg/kg	15.3	5.7 B	18.7	13.5	9.9 U	17.8	4.9 U
Arsenic	mg/kg	4	4.4	10.3	7.1	8	5.6	6.1
Barium	mg/kg	1290	1910	1540	1820	14700	6040	102
Beryllium	mg/kg	0.72	0.74	0.6	0.54	0.74 B	0.67	0.68
Cadmium	mg/kg	3.3	2.6	9.6	5.9	9.5	5	4.5
Calcium	mg/kg	37200	30500	36200	17700	24300	33400	22400
Chromium	mg/kg	26.1	25.9	46.4	35.9	47.7	27	26
Cobalt	mg/kg	15.3	13.5	15.5	11.2	15.5	11.6	12.7
Copper	mg/kg	962	1660	3160	2090	1150	6890	93.7
Iron	mg/kg	41300	28300	49700	43900	48100	39100	30400
Lead	mg/kg	1980	1560	2530	1220	231	3180	373
Magnesium	mg/kg	8450	8480	9370	8760	7010	13400	6330
Manganese	mg/kg	447	417	1620	502	693	420	342
Mercury	mg/kg	0.13	0.04 B	0.04 U	0.05 B	0.07 B	0.08	0.1 B
Nickel	mg/kg	57.7	46.4	53.2	42.3	64.8	42.8	53
Potassium	mg/kg	1280	1450	3160	1810	3150	1850	1580
Selenium	mg/kg	0.52 U	0.53 U	0.19 B	0.21 B	0.32 B	0.2 B	0.45 B
Silver	mg/kg	0.99 U	0.87 U	0.86 U	0.94 U	2.3	0.95 U	1.2
Sodium	mg/kg	64.4 B	63.4 B	331 B	141 B	337 B	149 B	105 B
Thallium	mg/kg	0.33 U	0.34 U	0.34 U	0.36 U	0.4 U	0.31 U	0.76 B
Vanadium	mg/kg	16.2	18.6	21.9	16.7	36.2	21.6	19
Zinc	mg/kg	222	350	2150	926	2610	712	613
Cyanide	mg/kg	0.49 U	0.64 U	0.58 U	0.62 U	0.61 U	0.52	0.6 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
INORGANIC ANALYSIS

COMPOUND	MATRIX LOCATION	SOIL PADE 0-6"	SOIL PADE 2'-4'	SOIL PAD-F 0-6"	SOIL PAD-F 4-6'	SOIL PAD G 0-6"	SOIL PAD G 0-2'	SOIL PAD G 0-6"
	DATE MAIN ID LAB ID UNITS	01/07/92 PB-E-1-1 152094	01/07/92 PB-E-1-3 152096	12/11/91 PB-F-1-1 150788	12/11/91 PB-F-1-4 150791	01/08/92 PB-G-1-1 152101	01/08/92 PB-G-1-3 152102	01/09/92 PB-G-2-1 152107
Aluminum	mg/kg	15500	20200	16100	16100	22500	18500	9370
Antimony	mg/kg	5.1 U	5.8 U	9.7 U	5.7 U	6 U	13.6	6 U
Arsenic	mg/kg	4.5	5.8	4.1	3.5	4	9	4.7
Barium	mg/kg	38	211	1560	178	709	1390	422
Beryllium	mg/kg	0.78	0.79	0.64 B	0.69	0.64	0.99	0.56 B
Cadmium	mg/kg	2.9	3.2	8.8	3.3	11.3	4.3	9.6
Calcium	mg/kg	25100	8720	105000	42300	92100	6310	138000
Chromium	mg/kg	27.4	28.5	24.2	24.4	37.3	30.5	24.4
Cobalt	mg/kg	14.3	10.5	9.1	11.2	10.7	13.7	7.4
Copper	mg/kg	37.9	133	90.9	52	466	1650	108
Iron	mg/kg	35700	33200	22900	28300	35800	37400	25700
Lead	mg/kg	30.4	205	2320	59.6	509	3360	203
Magnesium	mg/kg	7700	5810	10600	7830	7720	6730	10700
Manganese	mg/kg	313	549	365	389	505	618	359
Mercury	mg/kg	0.07 B	0.09	0.17	0.03 U	0.15	0.15	0.1 B
Nickel	mg/kg	58.5	34.6	37	39.8	48.2	43.2	34.8
Potassium	mg/kg	1490	2170	3030	1780	1650	1500	1410
Selenium	mg/kg	0.39 B	0.19 B	0.2 B	0.11 U	1.2	0.27 B	0.28 B
Silver	mg/kg	0.51 B	0.37 U	1.6 U	0.92 U	1.2	2.9	0.99 B
Sodium	mg/kg	93.7 B	322 B	191 B	97.3 B	385 B	130 B	324 B
Thallium	mg/kg	0.47 U	0.35 U	0.65 U	0.35 U	0.51 U	0.46 U	0.39 U
Vanadium	mg/kg	19.9	28.8	20.2	22.3	20.2	25.8	16.9
Zinc	mg/kg	195	158	494	114	1600	615	740
Cyanide	mg/kg	0.6 U	0.61 U	1.1	0.66 U	0.55 U	0.64 U	0.7 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
INORGANIC ANALYSIS

COMPOUND	MATRIX LOCATION	SOIL PAD G	SOIL PAD G	SOIL PAD G	SOIL PAD G	SOIL PAD G	SOIL PAD G	SOIL PAD G
	DATE	0-2'	0-6"	0-2'	0-6"	0-2'	0-6"	0-2'
MAIN ID	01/09/92	01/09/92	01/09/92	01/09/92	01/09/92	01/09/92	01/10/92	01/10/92
LAB ID	PB-G-2-2	PB-G-3-1	PB-G-3-2	PB-G-4-1	PB-G-4-2	PB-G-5-1	PB-G-5-2	PB-G-5-2
UNITS	152108	152112	152113	152203	152204	152206		152207
Aluminum	mg/kg	14200	18900	18200	18000	21200	18100	19200
Antimony	mg/kg	5.6 U	5.8 U	7.4	6.7 U	6.2 U	6 U	5.9 U
Arsenic	mg/kg	3.7	6	5.7	5.2	5.1	4.6	4.4
Barium	mg/kg	481	554	233	157	134	167	161
Beryllium	mg/kg	0.82	0.91	0.94	0.88	0.86	0.86	0.91
Cadmium	mg/kg	9.2	6.7	4.2	20.7	3.4	5.9	3.1
Calcium	mg/kg	34400	23000	6040	26200	3410	4080	5170
Chromium	mg/kg	26.5	41.4	29.4	25.6	28.5	21	23.9
Cobalt	mg/kg	12.5	13.4	15.3	12.3	12.1	11	12.2
Copper	mg/kg	75.4	688	46.3	80.8	27	28	37.8
Iron	mg/kg	28500	32700	30300	26500	31400	21200	22400
Lead	mg/kg	7.7	212	65.7	639	43.3	88.5	50.2
Magnesium	mg/kg	9650	6720	5640	5050	4660	3680	3970
Manganese	mg/kg	610	799	948	693	736	750	826
Mercury	mg/kg	0.2	0.13	0.13	0.17	0.19	0.28	0.29
Nickel	mg/kg	35.5	39.9	53.5	30.7	29.1	19.8	22.4
Potassium	mg/kg	1730	2450	1630	1810	2160	1680	1890
Selenium	mg/kg	0.35 B	0.3 B	0.14 U	0.19 U	0.22 U	0.38 B	0.97 U
Silver	mg/kg	0.59 B	0.37 B	0.36 U	0.56 B	0.39 U	0.39 U	0.38 U
Sodium	mg/kg	344 B	151 B	92.6 B	129 B	128 B	83.1 B	115 B
Thallium	mg/kg	0.49 U	0.62 U	0.34 U	0.48 B	0.52 U	0.51 U	0.46 U
Vanadium	mg/kg	21.6	27.8	27.2	25.4	30.3	25.9	27.1
Zinc	mg/kg	297	585	172	216	93.1	127	129
Cyanide	mg/kg	0.62 U	0.6 U	0.66 U	0.62 U	0.68 U	0.64 U	0.67 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
INORGANIC ANALYSIS

COMPOUND	MATRIX LOCATION	SOIL PAD G 0-6"	SOIL PAD G 4' +	SOIL PAD G 0-6"	SOIL PAD G 0-2'	SOIL PAD-H 0-6"	SOIL PAD-H 0-2'	SOIL PAD J 0-6"
	DATE MAIN ID LAB ID UNITS	01/13/92 PB-G-6-1 152363	01/13/92 PB-G-6-4 152366	01/13/92 PB-G-7-1 152368	01/13/92 PB-G-7-2 152369	12/11/91 PB-H-1-1 150794	12/11/91 PB-H-1-2 150795	01/13/92 PB-J-1-1 152373
Aluminum	mg/kg	13300	22800	24900	19600	14000	13300	18800
Antimony	mg/kg	5.8 U	6.2 U	6.1 B	9.8	6.1 U	5.3 U	6.1 U
Arsenic	mg/kg	5.3	3.9	6.8	3.7	4.7	3.7	3.7
Barium	mg/kg	511	354	1860	366	1810	571	8130
Beryllium	mg/kg	0.75	1.1	0.88	1	0.56	0.59	0.7
Cadmium	mg/kg	7.8	6.1	17	7.1	4.5	3.6	4.8
Calcium	mg/kg	21200	12600	30200	25300	25200	26700	22800
Chromium	mg/kg	45.7	156	54.7	53.4	21.9	22.1	30.1
Cobalt	mg/kg	11.4	15	15.1	15.4	11.2	11.2	9.1
Copper	mg/kg	439	162	15500	185	43.5	42.6	143
Iron	mg/kg	23400	34600	48800	42900	25400	26900	20700
Lead	mg/kg	291	37.5	1700	332	75.8	58.8	356
Magnesium	mg/kg	5630	7190	9300	8340	6980	6380	16700
Manganese	mg/kg	477	730	616	520	315	336	334
Mercury	mg/kg	0.08 B	0.13	0.08 B	0.09 B	0.09	0.04 U	0.11
Nickel	mg/kg	36	47.1	52.6	50.8	41.6	39.8	38.4
Potassium	mg/kg	1990	3240	2580	2920	1440	1430	1520
Selenium	mg/kg	2.1	0.18 U	3.3	0.7 B	0.24 B	0.11 B	0.33 B
Silver	mg/kg	0.37 U	0.39 U	2	0.36 U	0.99 U	0.87 U	0.39 U
Sodium	mg/kg	441 B	380 B	618	227 B	109 B	113 B	244 B
Thallium	mg/kg	0.51 B	0.59 B	0.33 U	0.53 B	0.52 U	0.33 U	0.43 B
Vanadium	mg/kg	18.7	30.4	29	27.2	16.7	16.3	17.8
Zinc	mg/kg	1560	799	6380	772	217	402	1380
Cyanide	mg/kg	0.58 U	0.69 U	0.62 U	0.65 U	0.63 U	0.59 U	0.7 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
INORGANIC ANALYSIS

COMPOUND	MATRIX LOCATION	SOIL PAD J 0-2'	SOIL PAD J 0-6"	SOIL PAD J 0-2'	SOIL PAD J 0-6"	SOIL PAD-J 0-2'	SOIL PAD-J 0-6"	SOIL PAD-J 0-2'
	DATE MAIN ID LAB ID UNITS	01/13/92 PB-J-1-2 152374	01/13/92 PB-J-2-1 152376	01/14/92 PB-J-2-2 152463	01/14/92 PB-J-3-1 152466	01/14/92 PB-J-3-2 152550	01/15/92 PB-J-4-1 152553	01/15/92 PB-J-4-2 152554
Aluminum	mg/kg	26900	21800	21400	16800	17000	19900	20100
Antimony	mg/kg	5.8 U	5.7 U	5.8 U	6.1 U	8.6	10.3	6.6
Arsenic	mg/kg	4.9	4.1	4.3	4.8	7.1	8.1	5.2
Barium	mg/kg	1660	2520	351	3470	2830	5610	707
Beryllium	mg/kg	1.3	1	1	0.91	0.83	0.82	0.81
Cadmium	mg/kg	4.3	5.4	4.1	4.8	3.8	6.9	4.5
Calcium	mg/kg	11700	34400	19100	27200	22700	32300	37300
Chromium	mg/kg	35.4	38.5	30.4	34.4	31.9	50.8	36.9
Cobalt	mg/kg	15.5	15.5	15.2	11.9	11.8	16.5	17.2
Copper	mg/kg	58.4	137	69.3	435	158	262	104
Iron	mg/kg	37700	42500	33300	31600	31000	39200	39800
Lead	mg/kg	80.9	266	115	448	29.2	1340	105
Magnesium	mg/kg	8650	10600	7510	10200	7730	11400	9150
Manganese	mg/kg	774	619	437	393	490	475	432
Mercury	mg/kg	0.12	0.17	0.1	0.19	0.11	0.11	0.13
Nickel	mg/kg	42.5	57.3	44.8	46.7	36.5	48	55.2
Potassium	mg/kg	2930	2310	1980	1740	1730	2780	1760
Selenium	mg/kg	0.2 U	0.24 B	0.21 B	0.31 B	0.12 U	0.22 B	0.29 B
Silver	mg/kg	0.37 U	0.37 U	0.4 B	0.65 B	0.74 B	0.61 B	0.45 B
Sodium	mg/kg	164 B	165 B	145 B	341 B	224 B	258 B	202 B
Thallium	mg/kg	0.48 U	0.56 B	0.63 B	0.35 B	0.59 B	0.35 B	0.48 B
Vanadium	mg/kg	39	27.1	26.8	20.5	26	27.2	23.6
Zinc	mg/kg	246	512	344	5790	700	1510	245
Cyanide	mg/kg	0.72 U	0.69 U	0.7 U	0.64 U	0.52 U	0.58 U	0.62 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
INORGANIC ANALYSIS

COMPOUND	MATRIX LOCATION	SOIL PAD -J 0-6" DATE 01/15/92 MAIN ID LAB ID	SOIL PAD -J 0-2' DATE 01/15/92 PB-J-5-2	SOIL PAD-J 0-6" DATE 01/15/92 PB-J-6-1	SOIL PAD-J 0-2' DATE 01/15/92 PB-J-6-2	SOIL PAD-J 0-6" DATE 01/18/92 PB-J-7-1	SOIL PAD-J 0-2' DATE 01/18/92 PB-J-7-2
	UNITS	152557	152558	152560	152561	152672	152673
Aluminum	mg/kg	18800	16500	20700	14200	21900	17900
Antimony	mg/kg	15.3	6.4 B	5.7 U	5.6 U	10.3	5.7 U
Arsenic	mg/kg	7.7	6.7	4.5	3.8	5.6	5.1
Barium	mg/kg	5650	2270	5180	785	10300	6130
Beryllium	mg/kg	0.74	0.8	0.85	0.73	0.78	0.64
Cadmium	mg/kg	10	4.9	6.9	3.8	4.5	3.9
Calcium	mg/kg	32800	34900	37800	32200	31000	28500
Chromium	mg/kg	39.8	35.6	38.2	27.1	32.1	27.8
Cobalt	mg/kg	13.7	13.9	13.8	12.5	9.4	10.4
Copper	mg/kg	520	235	6560	64.9	182	108
Iron	mg/kg	33800	33900	37400	33400	31400	29800
Lead	mg/kg	1840	530	117	74.3	1370	453
Magnesium	mg/kg	12800	9580	12700	7730	16600	13600
Manganese	mg/kg	464	419	445	376	536	423
Mercury	mg/kg	0.07 B	0.11	0.19	0.15	0.02 B	0.02 B
Nickel	mg/kg	46	50.1	55.5	45.4	47.6	46.9
Potassium	mg/kg	2160	2070	2190	1490	1910	1360
Selenium	mg/kg	0.25 B	0.39 B	0.42 B	0.29 B	0.98 U	0.2 B
Silver	mg/kg	0.89 B	0.62 B	1.2	0.36 U	0.98 U	0.93 U
Sodium	mg/kg	376 B	296 B	189 B	106 B	157 B	89.3 B
Thallium	mg/kg	0.54 B	38 B	0.39 U	0.61 B	0.47 U	0.45 U
Vanadium	mg/kg	24.6	23.9	27.1	19.1	21	17.3
Zinc	mg/kg	2160	985	2100	262	2170	3180
Cyanide	mg/kg	0.65 U	0.6 U	0.64 U	0.63 U	0.68 U	0.64 U

SENECA ARMY DEPOT
OB GROUNDS

PAD BORINGS
INORGANIC ANALYSIS

COMPOUND	MATRIX LOCATION	SOIL PAD-J 0-6"	SOIL PAD-J 0-2'
	DATE MAIN ID LAB ID UNITS	01/23/92 PB-J-8-1 152677	01/23/92 PB-J-8-2 152678
Aluminum	mg/kg	15700	14200
Antimony	mg/kg	8.7	6.9 U
Arsenic	mg/kg	4.7	4.9
Barium	mg/kg	7010	307
Beryllium	mg/kg	0.66	0.7
Cadmium	mg/kg	7	4.3
Calcium	mg/kg	29800	7060
Chromium	mg/kg	26.9	18.3
Cobalt	mg/kg	7.7	9.7
Copper	mg/kg	155	108
Iron	mg/kg	25500	37100
Lead	mg/kg	317	34.9
Magnesium	mg/kg	7970	4610
Manganese	mg/kg	533	645
Mercury	mg/kg	0.33	1.1
Nickel	mg/kg	31.4	24.9
Potassium	mg/kg	1470	1210
Selenium	mg/kg	0.21 U	0.16 U
Silver	mg/kg	1.2 U	1.1 U
Sodium	mg/kg	41.4 U	39.7 U
Thallium	mg/kg	0.5 U	0.48 B
Vanadium	mg/kg	19	23.1
Zinc	mg/kg	1840	333
Cyanide	mg/kg	0.63 U	0.57 U

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SUMMARY OF VOLATILE ORGANIC RESULTS

COMPOUND	UNITS	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		PAD A	PAD B	PAD C	PAD C	PAD D	PAD E	PAD F
		3.5'	2.5'	4.0'	4.0'	2.5'	3.0'	2.0'
		12/03/91	12/10/91	12/03/91	12/03/91	12/04/91	12/04/91	12/10/91
		BE-A-1-91	BE-B-2-91	BE-C-2-91	BE-C-3-91	BE-D-2-91	BE-E-1-91	BE-F-1-91
		150037	150657	150040	150041	150105	150106	150624
Chloromethane	ug/L	11 U	12 U	11 U	12 U	11 U	12 U	11 U
Bromomethane	ug/L	11 U	12 U	11 U	12 U	11 U	12 U	11 U
Vinyl Chloride	ug/L	11 U	12 U	11 U	12 U	11 U	12 U	11 U
Chloroethane	ug/L	11 U	12 U	11 U	12 U	11 U	12 U	11 U
Methyl Chloride	ug/L	6 U	3 BJ	6 U	6 U	6 U	6 U	2 BJ
Acetone	ug/L	11 U	4 BJ	11 U	12 U	11 U	12 U	11 U
Carbon Disulfide	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,1-Dichloroethene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,1-Dichloroethane	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,2-Dichloroethene (total)	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Chloroform	ug/L	6 U	2 BJ	6 U	6 U	6 U	6 U	6 U
1,2-Dichloroethane	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
2-Butanone	ug/L	11 U	12 U	11 U	12 U	11 U	12 U	11 U
1,1,1-Trichloroethane	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Carbon Tetrachloride	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Vinyl Acetate	ug/L	11 U	12 U	11 U	12 U	11 U	12 U	11 U
Bromodichloromethane	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,2-Dichloropropane	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
cis-1,3-Dichloropropene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Trichloroethene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Dibromochloromethane	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,1,2-Trichloroethene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Benzene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
trans-1,3-Dichloropropene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Bromoform	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
4-Methyl-2-Pentanone	ug/L	11 U	12 U	11 U	12 U	11 U	12 U	11 U
2-Hexanone	ug/L	11 U	12 U	11 U	12 U	11 U	12 U	11 U
Tetrachloroethene	ug/L	6 U	6 U	6	1 J	1 J	6 U	6 U
1,1,2,2-Tetrachloroethane	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Toluene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Chlorobenzene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Ethylbenzene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Styrene	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Xylene (total)	ug/L	6 U	6 U	6 U	6 U	6 U	6 U	6 U

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SUMMARY OF VOLATILE ORGANIC RESULTS

COMPOUND	UNITS	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		PAD F	PAD F	PAD G	PAD G	PAD G	PAD H	PAD H
		2.0'	2.0'	2.5'	4.0'	4.5'	4.0'	4.0'
		12/10/91	12/10/91	12/04/91	12/05/91	12/05/91	12/10/91	12/10/91
		BE-F-2-91	BE-F-2A-91	BE-G-1-91	BE-G-2-91	BE-G-3-91	BE-H-2-91	BE-H-3-91
		150658	150659	150190	150400	150401	150627	150662
Chloromethane	ug/L	11 U	11 U	11 U	11 U	11 U	11 U	12 U
Bromomethane	ug/L	11 U	11 U	11 U	11 U	11 U	11 U	12 U
Vinyl Chloride	ug/L	11 U	11 U	11 U	11 U	11 U	11 U	12 U
Chloroethane	ug/L	11 U	11 U	11 U	11 U	11 U	11 U	12 U
Methyl Chloride	ug/L	5 BJ	2 BJ	3 BJ	3 BJ	3 BJ	2 BJ	2 BJ
Acetone	ug/L	11 U	11 U	11 U	11 U	11 U	11 U	12 U
Carbon Disulfide	ug/L	5 U	6 U	6 U	6 U	6 U	6 U	6 U
1,1-Dichloroethene	ug/L	5 U	6 U	6 U	6 U	6 U	6 U	6 U
1,1-Dichloroethane	ug/L	5 U	6 U	6 U	6 U	6 U	6 U	6 U
1,2-Dichloroethene (total)	ug/L	5 U	6 U	6 U	6 U	6 U	6 U	6 U
Chloroform	ug/L	2 BJ	2 BJ	6 U	6 U	6 U	2 J	2 BJ
1,2-Dichloroethane	ug/L	5 U	6 U	6 U	6 U	6 U	6 U	6 U
2-Butanone	ug/L	11 U	11 U	11 U	11 U	11 U	11 U	12 U
1,1,1-Trichloroethane	ug/L	5 U	6 U	6 U	6 U	6 U	6 U	6 U
Carbon Tetrachloride	ug/L	5 U	6 U	6 U	6 U	6 U	6 U	6 U
Vinyl Acetate	ug/L	11 U	11 U	11 U	11 U	11 U	11 U	12 U
Bromodichloromethane	ug/L	5 U	6 U	6 U	6 U	6 U	6 U	6 U
1,2-Dichloropropane	ug/L	5 U	6 U	6 U	6 U	6 U	6 U	6 U
cis-1,3-Dichloropropene	ug/L	5 U	6 U	6 U	6 U	6 U	6 U	6 U
Trichloroethene	ug/L	5 U	6 U	1 J	6 U	6 U	6 U	6 U
Dibromochloromethane	ug/L	5 U	6 U	6 U	6 U	6 U	6 U	6 U
1,1,2-Trichloroethene	ug/L	5 U	6 U	6 U	6 U	6 U	6 U	6 U
Benzene	ug/L	1 J	6 U	6 U	6 U	6 U	6 U	6 U
trans-1,3-Dichloropropene	ug/L	5 U	6 U	6 U	6 U	6 U	6 U	6 U
Bromoform	ug/L	5 U	6 U	6 U	6 U	6 U	6 U	6 U
4-Methyl-2-Pentanone	ug/L	11 U	11 U	11 U	11 U	11 U	11 U	12 U
2-Hexanone	ug/L	11 U	11 U	11 U	11 U	11 U	11 U	12 U
Tetrachloroethene	ug/L	2 J	1 J	6 U	15	6 U	110	6 U
1,1,2,2-Tetrachloroethane	ug/L	5 U	6 U	6 U	6 U	6 U	6 U	6 U
Toluene	ug/L	5 J	2 J	6 U	6 U	1 J	6 U	6 U
Chlorobenzene	ug/L	5 U	6 U	6 U	6 U	6 U	6 U	6 U
Ethylbenzene	ug/L	5 U	6 U	6 U	6 U	6 U	6 U	6 U
Styrene	ug/L	5 U	6 U	6 U	6 U	6 U	6 U	6 U
Xylene (total)	ug/L	5 U	6 U	6 U	6 U	6 U	6 U	6 U

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SUMMARY OF VOLATILE ORGANIC RESULTS

COMPOUND	UNITS	SOIL	SOIL	SOIL
		PAD J 3.0' 12/06/91 BE-J-4-91 150409	PAD J 3.0' 12/06/91 BE-J-5-91 150410	PAD J 3.0' 12/06/91 BE-J-6-91 150411
Chloromethane	ug/L	12 U	11 U	11 U
Bromomethane	ug/L	12 U	11 U	11 U
Vinyl Chloride	ug/L	12 U	11 U	11 U
Chloroethane	ug/L	12 U	11 U	11 U
Methyl Chloride	ug/L	2 BJ	2 BJ	2 BJ
Acetone	ug/L	12 U	11 U	11 U
Carbon Disulfide	ug/L	6 U	5 U	6 U
1,1-Dichloroethene	ug/L	6 U	5 U	6 U
1,1-Dichloroethane	ug/L	6 U	5 U	6 U
1,2-Dichloroethene (total)	ug/L	6 U	5 U	6 U
Chloroform	ug/L	6 U	5 U	6 U
1,2-Dichloroethane	ug/L	6 U	5 U	6 U
2-Butanone	ug/L	12 U	11 U	11 U
1,1,1-Trichloroethane	ug/L	6 U	5 U	6 U
Carbon Tetrachloride	ug/L	6 U	5 U	6 U
Vinyl Acetate	ug/L	12 U	11 U	11 U
Bromodichloromethane	ug/L	6 U	5 U	6 U
1,2-Dichloropropane	ug/L	6 U	5 U	6 U
cis-1,3-Dichloropropene	ug/L	6 U	5 U	6 U
Trichloroethene	ug/L	6 U	5 U	6 U
Dibromochloromethane	ug/L	6 U	5 U	6 U
1,1,2-Trichloroethene	ug/L	6 U	5 U	6 U
Benzene	ug/L	6 U	5 U	6 U
trans-1,3-Dichloropropene	ug/L	6 U	5 U	6 U
Bromoform	ug/L	6 U	5 U	6 U
4-Methyl-2-Pentanone	ug/L	12 U	11 U	11 U
2-Hexanone	ug/L	12 U	11 U	11 U
Tetrachloroethene	ug/L	6 U	5 U	6 U
1,1,2,2-Tetrachloroethane	ug/L	6 U	5 U	6 U
Toluene	ug/L	6 U	5 U	1 J
Chlorobenzene	ug/L	6 U	5 U	6 U
Ethylbenzene	ug/L	6 U	5 U	6 U
Styrene	ug/L	6 U	5 U	6 U
Xylene (total)	ug/L	6 U	5 U	6 U

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SUMMARY OF SEMI-VOLATILE RESULTS

COMPOUND	UNITS	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
		LOCATION	PAD A	PAD B	PAD C	PAD C	PAD D	PAD B	PAD F	
		DEPTH	3.5'	2.5'	4.0'	4.0'	2.5'	3.0'	2.0'	2.0'
		DATE	12/03/91	12/10/91	12/10/91	12/03/91	12/04/91	12/04/91	12/10/91	12/10/91
	MAIN ID	BE-A-1-91	BE-B-2-91	BE-C-2-91	BE-C-3-91	BE-D-2-91	BE-E-1-91	BE-F-1-91	BE-F-2-91	
	LAB ID	150037	150657	150040	150041	150105	150106	150624	150658	
3-Nitroaniline	ug/kg	3600 U	3800 U	3700 U	3900 U	3600 U	3700 U	3500 U	3500 U	
Acenaphthene	ug/kg	740 U	770 U	750 U	800 U	750 U	750 U	720 U	730 U	
2,4-Dinitrophenol	ug/kg	3600 U	3800 U	3700 U	3900 U	3600 U	3700 U	3500 U	3500 U	
4-Nitrophenol	ug/kg	3600 U	3800 U	3700 U	3900 U	3600 U	3700 U	3500 U	3500 U	
Dibenzofuran	ug/kg	740 U	770 U	750 U	800 U	750 U	750 U	720 U	730 U	
2,4-Dinitrotoluene	ug/kg	740 U	130 J	750 U	730 J	750 U	750 U	720 U	1400	
Diethylphthalate	ug/kg	740 U	770 U	750 U	800 U	750 U	750 U	720 U	730 U	
4-Chlorophenyl-phenylether	ug/kg	740 U	770 U	750 U	800 U	750 U	750 U	720 U	730 U	
Fluorene	ug/kg	740 U	770 U	750 U	800 U	750 U	750 U	720 U	730 U	
4-Nitroaniline	ug/kg	3600 U	3800 U	3700 U	3900 U	3600 U	3700 U	3500 U	3500 U	
4,6-Dinitro-2-methylphenol	ug/kg	3600 U	3800 U	3700 U	3900 U	3600 U	3700 U	3500 U	3500 U	
N-Nitrosodiphenylamine (1)	ug/kg	740 U	770 U	750 U	190 J	750 U	750 U	720 U	1000	
4-Bromophenyl-phenylether	ug/kg	740 U	770 U	750 U	800 U	750 U	750 U	720 U	730 U	
Hexachlorobenzene	ug/kg	740 U	770 U	750 U	800 U	750 U	750 U	720 U	730 U	
Pentachlorophenol	ug/kg	3600 U	3800 U	3700 U	3900 U	3600 U	3700 U	3500 U	3500 U	
Phenanthrene	ug/kg	740 U	770 U	750 U	800 U	750 U	750 U	720 U	730 U	
Anthracene	ug/kg	740 U	770 U	750 U	800 U	750 U	750 U	720 U	730 U	
Di-n-butylphthalate	ug/kg	740 U	380 J	740 J	200 J	400 J	750 U	720 U	200 J	
Fluoranthene	ug/kg	740 U	770 U	750 U	800 U	750 U	750 U	720 U	730 U	
Pyrene	ug/kg	740 U	770 U	750 U	800 U	750 U	750 U	720 U	730 U	
Butylbenzylphthalate	ug/kg	740 U	770 U	750 U	800 U	750 U	750 U	720 U	730 U	
3,3'-Dichlorobenzidine	ug/kg	1500 U	1500 U	1500 U	1600 U	1500 U	1500 U	1400 U	1500 U	
Benzo(a)anthracene	ug/kg	740 U	770 U	750 U	800 U	750 U	750 U	720 U	730 U	
Chrysene	ug/kg	740 U	770 U	750 U	800 U	750 U	750 U	720 U	730 U	
bis(2-Ethylhexyl)phthalate	ug/kg	740 U	170 J	750 U	800 U	750 U	750 U	720 U	730 U	
Di-n-octylphthalate	ug/kg	740 U	770 U	750 U	800 U	750 U	750 U	720 U	220 J	
Benzo(b)fluoranthene	ug/kg	740 U	770 U	750 U	800 U	750 U	750 U	720 U	730 U	
benzo(k)fluoranthene	ug/kg	740 U	770 U	750 U	800 U	750 U	750 U	720 U	730 U	
Benzo(a)pyrene	ug/kg	740 U	770 U	750 U	800 U	750 U	750 U	720 U	730 U	
Indeno(1,2,3-cd)pyrene	ug/kg	740 U	770 U	750 U	800 U	750 U	750 U	720 U	730 U	
Dibenz(a,h)anthracene	ug/kg	740 U	770 U	750 U	800 U	750 U	750 U	720 U	730 U	
Benzo(g,h,i)perylene	ug/kg	740 U	770 U	750 U	800 U	750 U	750 U	720 U	730 U	

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SUMMARY OF SEMI-VOLATILE RESULTS

COMPOUND	UNITS	MATRX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		LOCATION	PAD F	PAD G	PAD G	PAD G	PAD H	PAD H	PAD J	PAD J
		DEPTH	2.0'	2.5'	4.0'	4.5'	4.0'	3.0'	3.0'	3.0'
		DATE	12/10/91	12/04/91	12/05/91	12/05/91	12/10/91	12/10/91	12/06/91	10/06/91
		MAIN ID	BE-F-2A-9'	BE-G-1-91	BE-G-2-91	BE-G-3-91	BE-H-2-91	BE-H-3-91	BE-J-4-91	BE-J-5-91
		LAB ID	150659	150190	150400	150401	150627	150662	150409	150410
3-Nitroaniline	ug/kg		3500 U	3500 U	3500 U	3600 U	3500 U	3600 U	3600 U	3400 U
Acenaphthene	ug/kg		720 U	730 U	730 U	750 U	730 U	750 U	750 U	700 U
2,4-Dinitrophenol	ug/kg		3500 U	3500 U	3500 U	3600 U	3500 U	3600 U	3600 U	3400 U
4-Nitrophenol	ug/kg		3500 U	3500 U	3500 U	3600 U	3500 U	3600 U	3600 U	3400 U
Dibenzofuran	ug/kg		720 U	730 U	730 U	750 U	730 U	750 U	750 U	700 U
2,4-Dinitrotoluene	ug/kg		4200	730 U	2800	2500	3600	12000 E	750 U	700 U
Diethylphthalate	ug/kg		720 U	730 U	730 U	750 U	730 U	750 U	750 U	700 U
4-Chlorophenyl-phenylether	ug/kg		720 U	730 U	730 U	750 U	730 U	750 U	750 U	700 U
Fluorene	ug/kg		720 U	730 U	730 U	750 U	730 U	750 U	750 U	700 U
4-Nitroaniline	ug/kg		3500 U	3500 U	3500 U	3600 U	3500 U	3600 U	3600 U	3400 U
4,6-Dinitro-2-methylphenol	ug/kg		3500 U	3500 U	3500 U	3600 U	3500 U	3600 U	3600 U	3400 U
N-Nitrosodiphenylamine (1)	ug/kg		580 J	730 U	530 J	270 J	120 J	1500	750 U	700 U
4-Bromophenyl-phenylether	ug/kg		720 U	730 U	730 U	750 U	730 U	750 U	750 U	700 U
Hexachlorobenzene	ug/kg		720 U	730 U	730 U	750 U	730 U	750 U	750 U	700 U
Pentachlorophenol	ug/kg		3500 U	3500 U	3500 U	3600 U	3500 U	3600 U	3600 U	3400 U
Phenanthrene	ug/kg		75 J	730 U	730 U	750 U	730 U	750 U	750 U	700 U
Anthracene	ug/kg		720 U	730 U	730 U	750 U	730 U	750 U	750 U	700 U
Di-n-butylphthalate	ug/kg		3100	730 U	730 U	140 J	540 J	430 J	750 U	700 U
Fluoranthene	ug/kg		66 J	730 U	730 U	750 U	730 U	750 U	750 U	700 U
Pyrene	ug/kg		720 U	730 U	730 U	750 U	730 U	750 U	750 U	700 U
Butylbenzylphthalate	ug/kg		720 U	730 U	730 U	750 U	730 U	750 U	750 U	700 U
3,3'-Dichlorobenzidine	ug/kg		1400 U	1500 U	1500 U	1500 U	1500 U	1500 U	1500 U	1400 U
Benzo(a)anthracene	ug/kg		720 U	730 U	730 U	750 U	730 U	750 U	750 U	700 U
Chrysene	ug/kg		720 U	730 U	730 U	750 U	730 U	750 U	750 U	700 U
bia(2-Ethylhexyl)phthalate	ug/kg		89 J	730 U	730 U	750 U	730 U	750 U	750 U	700 U
Di-n-octylphthalate	ug/kg		720 U	730 U	730 U	750 U	730 U	750 U	750 U	700 U
Benzo(b)fluoranthene	ug/kg		720 U	730 U	730 U	750 U	730 U	750 U	750 U	700 U
benzo(k)fluoranthene	ug/kg		720 U	730 U	730 U	750 U	730 U	750 U	750 U	700 U
Benzo(a)pyrene	ug/kg		720 U	730 U	730 U	750 U	730 U	750 U	750 U	700 U
Indeno(1,2,3-cd)pyrene	ug/kg		720 U	730 U	730 U	750 U	730 U	750 U	750 U	700 U
Dibenzo(a,h)anthracene	ug/kg		720 U	730 U	730 U	750 U	730 U	750 U	750 U	700 U
Benzo(g,h,i)perylene	ug/kg		720 U	730 U	730 U	750 U	730 U	750 U	750 U	700 U

SENACA ARMY DEPOT
OB GROUNDS

BERM EXCAVATION
SEMI-VOLATILE ORGANIC RESULTS

COMPOUND	UNITS	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		LOCATION	PAD A	PAD B	PAD C	PAD C	PAD D	PAD E	PAD F
			3.5'	2.5'	4.0'	4.0'	2.5'	3.0'	2.0'
		DATE	12/03/91	12/10/91	12/03/91	12/03/91	12/04/91	12/04/91	12/10/91
		MAIN ID	BE-A-1-91	BE-B-2-91	BE-C-2-91	BE-C-3-91	BE-D-2-91	BE-E-1-91	BE-F-1-91
		LAB ID	150037	150657	150040	150041	150105	150106	150624
Phenol	ug/L		740 U	770 U	750 U	800 U	750 U	750 U	720 U
bis(2-Chloroethyl) ether	ug/L		740 U	770 U	750 U	800 U	750 U	750 U	720 U
2-Chlorophenol	ug/L		740 U	770 U	750 U	800 U	750 U	750 U	720 U
1,3-Dichlorobenzene	ug/L		740 U	770 U	750 U	800 U	750 U	750 U	720 U
1,4-Dichlorobenzene	ug/L		740 U	770 U	750 U	800 U	750 U	750 U	720 U
Benzyl Alcohol	ug/L		740 U	770 U	750 U	800 U	750 U	750 U	720 U
1,2-Dichlorobenzene	ug/L		740 U	770 U	750 U	800 U	750 U	750 U	720 U
2-Methylphenol	ug/L		740 U	770 U	750 U	800 U	750 U	750 U	720 U
bis(2-Chloroisopropyl) ether	ug/L		740 U	770 U	750 U	800 U	750 U	750 U	720 U
4-Methylphenol	ug/L		740 U	770 U	750 U	800 U	750 U	750 U	720 U
N-Nitroso-di-n-propylamine	ug/L		740 U	770 U	750 U	800 U	750 U	750 U	720 U
Hexachloroethane	ug/L		740 U	770 U	750 U	800 U	750 U	750 U	720 U
Nitrobenzene	ug/L		740 U	770 U	750 U	800 U	750 U	750 U	720 U
Isophorone	ug/L		740 U	770 U	750 U	800 U	750 U	750 U	720 U
2-Nitrophenol	ug/L		740 U	770 U	750 U	800 U	750 U	750 U	720 U
2,4-Dimethylphenol	ug/L		740 U	770 U	750 U	800 U	750 U	750 U	720 U
Benzoic acid	ug/L		3600 U	3800 U	3700 U	3900 U	3600 U	3700 U	3500 U
bis(2-Chloroethoxy) methane	ug/L		740 U	770 U	750 U	800 U	750 U	750 U	720 U
2,4-Dichlorophenol	ug/L		740 U	770 U	750 U	800 U	750 U	750 U	720 U
1,2,4-Trichlorobenzene	ug/L		740 U	770 U	750 U	800 U	750 U	750 U	720 U
Naphthalene	ug/L		740 U	770 U	750 U	800 U	750 U	750 U	720 U
4-Chloroaniline	ug/L		740 U	770 U	750 U	800 U	750 U	750 U	720 U
Hexachlorobutadiene	ug/L		740 U	770 U	750 U	800 U	750 U	750 U	720 U
4-Chloro-3-methylphenol	ug/L		740 U	770 U	750 U	800 U	750 U	750 U	720 U
2-Methylnaphthalene	ug/L		740 U	770 U	750 U	800 U	750 U	750 U	720 U
Hexachlorocyclopentadiene	ug/L		740 U	770 U	750 U	800 U	750 U	750 U	720 U
2,4,6-Trichlorophenol	ug/L		740 U	770 U	750 U	800 U	750 U	750 U	720 U
2,4,5-Trichlorophenol	ug/L		3600 U	3800 U	3700 U	3900 U	3600 U	3700 U	3500 U
2-Chloronaphthalene	ug/L		740 U	770 U	750 U	800 U	750 U	750 U	720 U
2-Nitroaniline	ug/L		3600 U	3800 U	3700 U	3900 U	3600 U	3700 U	3500 U
Dimethylphthalate	ug/L		740 U	770 U	750 U	800 U	750 U	750 U	720 U
Acenaphthylene	ug/L		740 U	770 U	750 U	800 U	750 U	750 U	720 U
2,6-Dinitrotoluene	ug/L		740 U	770 U	750 U	800 U	750 U	750 U	720 U

SENACA ARMY DEPOT
OB GROUNDS

BERM EXCAVATION
SEMI-VOLATILE ORGANIC RESULTS

COMPOUND	UNITS	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		LOCATION	PAD F	PAD P	PAD G	PAD G	PAD G	PAD H	PAD H
		DATE	12/10/91	12/10/91	12/04/91	12/05/91	12/05/91	12/10/91	12/11/91
		MAIN ID	BE-F-2-91	BE-F-2A-91	BE-G-1-91	BE-G-2-91	BE-G-3-91	BE-H-2-91	BE-H-3-91
		LAB ID	150658	150659	150190	150400	150401	150627	150662
Phenol	ug/L		730 U	720 U	730 U	730 U	750 U	730 U	750 U
bis(2-Chloroethyl) ether	ug/L		730 U	720 U	730 U	730 U	750 U	730 U	750 U
2-Chlorophenol	ug/L		730 U	720 U	730 U	730 U	750 U	730 U	750 U
1,3-Dichlorobenzene	ug/L		730 U	720 U	730 U	730 U	750 U	730 U	750 U
1,4-Dichlorobenzene	ug/L		730 U	720 U	730 U	730 U	750 U	730 U	750 U
Benzyl Alcohol	ug/L		730 U	720 U	730 U	730 U	750 U	730 U	750 U
1,2-Dichlorobenzene	ug/L		730 U	720 U	730 U	730 U	750 U	730 U	750 U
2-Methylphenol	ug/L		730 U	720 U	730 U	730 U	750 U	730 U	750 U
bis(2-Chloroisopropyl) ether	ug/L		730 U	720 U	730 U	730 U	750 U	730 U	750 U
4-Methylphenol	ug/L		730 U	720 U	730 U	730 U	750 U	730 U	750 U
N-Nitroso-di-n-propylamine	ug/L		730 U	720 U	730 U	730 U	750 U	730 U	750 U
Hexachloroethane	ug/L		730 U	720 U	730 U	730 U	750 U	730 U	750 U
Nitrobenzene	ug/L		730 U	720 U	730 U	730 U	750 U	730 U	750 U
Isophorone	ug/L		730 U	720 U	730 U	730 U	750 U	730 U	750 U
2-Nitrophenol	ug/L		730 U	720 U	730 U	730 U	750 U	730 U	750 U
2,4-Dimethylphenol	ug/L		730 U	720 U	730 U	730 U	750 U	730 U	750 U
Benzoic acid	ug/L		3500 U	3500 U	3500 U	3500 U	3600 U	3500 U	3600 U
bis(2-Chloroethoxy) methane	ug/L		730 U	720 U	730 U	730 U	750 U	730 U	750 U
2,4-Dichlorophenol	ug/L		730 U	720 U	730 U	730 U	750 U	730 U	750 U
1,2,4-Trichlorobenzene	ug/L		730 U	720 U	730 U	730 U	750 U	730 U	750 U
Naphthalene	ug/L		730 U	720 U	730 U	730 U	750 U	730 U	750 U
4-Chloroaniline	ug/L		730 U	720 U	730 U	730 U	750 U	730 U	750 U
Hexachlorobutadiene	ug/L		730 U	720 U	730 U	730 U	750 U	730 U	750 U
4-Chloro-3-methylphenol	ug/L		730 U	720 U	730 U	730 U	750 U	730 U	750 U
2-Methylnaphthalene	ug/L		730 U	720 U	730 U	730 U	750 U	730 U	750 U
Hexachlorocyclopentadiene	ug/L		730 U	720 U	730 U	730 U	750 U	730 U	750 U
2,4,6-Trichlorophenol	ug/L		730 U	720 U	730 U	730 U	750 U	730 U	750 U
2,4,5-Trichlorophenol	ug/L		3500 U	3500 U	3500 U	3500 U	3600 U	3500 U	3600 U
2-Chloronaphthalene	ug/L		730 U	720 U	730 U	730 U	750 U	730 U	750 U
2-Nitroaniline	ug/L		3500 U	3500 U	3500 U	3500 U	3600 U	3500 U	3600 U
Dimethylphthalate	ug/L		730 U	720 U	730 U	730 U	750 U	730 U	750 U
Acenaphthylene	ug/L		730 U	720 U	730 U	730 U	750 U	730 U	750 U
2,6-Dinitrotoluene	ug/L		100 J	250 J	730 U	150 J	100 J	200 J	760

SENACA ARMY DEPOT
OB GROUNDS

BERM EXCAVATION
SEMI-VOLATILE ORGANIC RESULTS

COMPOUND	UNITS	MATRIX	SOIL	SOIL	SOIL
		LOCATION	PAD J	PAD J	PAD J
			3.0'	3.0'	3.0'
		DATE	12/06/91	12/06/91	12/06/91
		MAIN ID	BE-J-4-91	BE-J-5-91	BE-J-6-91
		LAB ID	150409	150410	150411
Phenol	ug/L		750 U	700 U	720 U
bis(2-Chloroethyl) ether	ug/L		750 U	700 U	720 U
2-Chlorophenol	ug/L		750 U	700 U	720 U
1,3-Dichlorobenzene	ug/L		750 U	700 U	720 U
1,4-Dichlorobenzene	ug/L		750 U	700 U	720 U
Benzyl Alcohol	ug/L		750 U	700 U	720 U
1,2-Dichlorobenzene	ug/L		750 U	700 U	720 U
2-Methylphenol	ug/L		750 U	700 U	720 U
bis(2-Chloroisopropyl) ether	ug/L		750 U	700 U	720 U
4-Methylphenol	ug/L		750 U	700 U	720 U
N-Nitroso-di-n-propylamine	ug/L		750 U	700 U	720 U
Hexachloroethane	ug/L		750 U	700 U	720 U
Nitrobenzene	ug/L		750 U	700 U	720 U
Isophorone	ug/L		750 U	700 U	720 U
2-Nitrophenol	ug/L		750 U	700 U	720 U
2,4-Dimethylphenol	ug/L		750 U	700 U	720 U
Benzoic acid	ug/L		88 J	3400 U	3500 U
bis(2-Chloroethoxy) methane	ug/L		750 U	700 U	720 U
2,4-Dichlorophenol	ug/L		750 U	700 U	720 U
1,2,4-Trichlorobenzene	ug/L		750 U	700 U	720 U
Naphthalene	ug/L		750 U	700 U	720 U
4-Chloroaniline	ug/L		750 U	700 U	720 U
Hexachlorobutadiene	ug/L		750 U	700 U	720 U
4-Chloro-3-methylphenol	ug/L		750 U	700 U	720 U
2-Methylnaphthalene	ug/L		750 U	700 U	720 U
Hexachlorocyclopentadiene	ug/L		750 U	700 U	720 U
2,4,6-Trichlorophenol	ug/L		750 U	700 U	720 U
2,4,5-Trichlorophenol	ug/L		3600 U	3400 U	3500 U
2-Chloronaphthalene	ug/L		750 U	700 U	720 U
2-Nitroaniline	ug/L		3600 U	3400 U	3500 U
Dimethylphthalate	ug/L		750 U	700 U	720 U
Acenaphthylene	ug/L		750 U	700 U	720 U
2,6-Dinitrotoluene	ug/L		750 U	700 U	720 U

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
PESTICIDES AND PCB'S ANALYSIS

COMPOUND	MATRIX LOCATION	SOIL PAD-A	SOIL PAD-B	SOIL PAD-C	SOIL PAD-C	SOIL PAD-D	SOIL PAD-E
	DATE	3 1/2'	2 1/2'	4.0'	4.0'	2 1/2'	3.0'
UNITS	MAINID	150037	150657	150040	150041	150105	150106
alpha-BHC	12/03/91	18 U	190 U	18 U	19 U	18 U	18 U
beta-BHC	BE-A-1-91	18 U	190 U	18 U	19 U	18 U	18 U
delta-BHC	12/10/91	18 U	190 U	18 U	19 U	18 U	18 U
gamma-BHC (Lindane)	BE-B-2-91	18 U	190 U	18 U	19 U	18 U	18 U
Heptachlor	12/03/91	18 U	190 U	18 U	19 U	18 U	18 U
Aldrin	BE-C-2-91	18 U	190 U	18 U	19 U	18 U	18 U
Heptachlor epoxide	12/03/91	18 U	190 U	18 U	19 U	18 U	18 U
Endosulfan I	BE-C-3-91	18 U	190 U	18 U	19 U	18 U	18 U
Dieldrin	12/04/91	36 U	380 U	37 U	39 U	36 U	37 U
4,4'-DDE	BE-D-2-91	36 U	380 U	37 U	39 U	36 U	37 U
Endrin	12/04/91	36 U	380 U	37 U	39 U	36 U	37 U
Endosulfan II	BE-E-1-91	36 U	380 U	37 U	39 U	36 U	37 U
4,4'-DDD	150105	36 U	380 U	37 U	39 U	36 U	37 U
Endosulfan sulfate	150106	36 U	380 U	37 U	39 U	36 U	37 U
4,4'-DDT		36 U	2800 C	37 U	39 U	36 U	37 U
Methoxychor		180 U	1900 U	180 U	190 U	180 U	180 U
Endrin ketone		36 U	380 U	37 U	39 U	36 U	37 U
alpha-Chlordane		180 U	1900 U	180 U	190 U	180 U	180 U
gamma-Chlordane		180 U	1900 U	180 U	190 U	180 U	180 U
Toxaphene		360 U	3800 U	370 U	390 U	360 U	370 U
Aroclor-1016		180 U	1900 U	180 U	190 U	180 U	180 U
Aroclor-1221		180 U	1900 U	180 U	190 U	180 U	180 U
Aroclor-1232		180 U	1900 U	180 U	190 U	180 U	180 U
Aroclor-1242		180 U	1900 U	180 U	190 U	180 U	180 U
Aroclor-1248		180 U	1900 U	180 U	190 U	180 U	180 U
Aroclor-1254		360 U	3800 U	370 U	390 U	360 U	370 U
Aroclor-1260		360 U	3800 U	370 U	390 U	360 U	370 U

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
PESTICIDES AND PCB'S ANALYSIS

COMPOUND	MATRIX LOCATION	SOIL PAD-F	SOIL PAD-F	SOIL PAD-F	SOIL PAD-G	SOIL PAD-G	SOIL PAD-G	SOIL PAD-H
	DATE MAIN ID	2.0' 12/10/91 BE-F-1-91 150624	2.0' 12/10/91 BE-F-2-91 150658	2.0' 12/10/91 BE-F-2A-9: 150659	2 1/2' 12/05/91 BE-G-1-91 150190	4.0' 12/05/91 BE-G-2-91 150400	4 1/2' 12/05/91 BE-G-3-91 150401	4.0' 12/10/91 BE-H-2-91 150627
	UNITS							
alpha-BHC	ug/Kg	17 U	18 U	17 U	18 U	18 U	18 U	18 U
beta-BHC	ug/Kg	17 U	18 U	17 U	18 U	18 U	18 U	18 U
delta-BHC	ug/Kg	17 U	18 U	17 U	18 U	18 U	18 U	18 U
gamma-BHC (Lindane)	ug/Kg	17 U	18 U	17 U	18 U	18 U	18 U	18 U
Heptachlor	ug/Kg	17 U	18 U	17 U	18 U	18 U	18 U	18 U
Aldrin	ug/Kg	17 U	18 U	17 U	18 U	18 U	18 U	18 U
Heptachlor epoxide	ug/Kg	17 U	18 U	17 U	18 U	18 U	18 U	18 U
Endosulfan I	ug/Kg	17 U	18 U	17 U	18 U	18 U	18 U	18 U
Dieldrin	ug/Kg	35 U	35 U	35 U	35 U	35 U	36 U	35 U
4,4'-DDE	ug/Kg	35 U	35 U	35 U	35 U	35 U	36 U	35 U
Endrin	ug/Kg	35 U	35 U	35 U	35 U	35 U	36 U	35 U
Endosulfan II	ug/Kg	35 U	35 U	35 U	35 U	35 U	36 U	35 U
4,4'-DDD	ug/Kg	35 U	35 U	35 U	35 U	35 U	36 U	35 U
Endosulfan sulfate	ug/Kg	35 U	35 U	35 U	35 U	35 U	36 U	35 U
4,4'-DDT	ug/Kg	35 U	35 U	35 U	35 U	35 U	36 U	35 U
Methoxychor	ug/Kg	170 U	180 U	170 U	180 U	180 U	180 U	180 U
Endrin ketone	ug/Kg	35 U	35 U	35 U	35 U	35 U	36 U	35 U
alpha-Chlordane	ug/Kg	170 U	180 U	170 U	180 U	180 U	180 U	180 U
gamma-Chlordane	ug/Kg	170 U	180 U	170 U	180 U	180 U	180 U	180 U
Toxaphene	ug/Kg	350 U	350 U	350 U	350 U	350 U	360 U	350 U
Aroclor-1016	ug/Kg	170 U	180 U	170 U	180 U	180 U	180 U	180 U
Aroclor-1221	ug/Kg	170 U	180 U	170 U	180 U	180 U	180 U	180 U
Aroclor-1232	ug/Kg	170 U	180 U	170 U	180 U	180 U	180 U	180 U
Aroclor-1242	ug/Kg	170 U	180 U	170 U	180 U	180 U	180 U	180 U
Aroclor-1248	ug/Kg	170 U	180 U	170 U	180 U	180 U	180 U	180 U
Aroclor-1254	ug/Kg	350 U	350 U	350 U	350 U	350 U	360 U	350 U
Aroclor-1260	ug/Kg	350 U	350 U	180 Y	350 U	350 U	360 U	350 U

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
PESTICIDES AND PCB'S ANALYSIS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD-H	PAD-J	PAD-J	PAD-J
	DATE	4.0'	3.0'	3.0'	3.0'
	MAIN ID	12/10/91	12/06/91	12/06/91	12/06/91
		BE-H-3-91	BE-J-4-91	BE-J-5-91	BE-J-6-91
	UNITS	150662	150409	150410	150411
alpha-BHC	ug/Kg	18 U	18 U	17 U	18 U
beta-BHC	ug/Kg	18 U	18 U	17 U	18 U
delta-BHC	ug/Kg	18 U	18 U	17 U	18 U
gamma-BHC (Lindane)	ug/Kg	18 U	18 U	17 U	18 U
Heptachlor	ug/Kg	18 U	18 U	17 U	18 U
Aldrin	ug/Kg	18 U	18 U	17 U	18 U
Heptachlor epoxide	ug/Kg	18 U	18 U	17 U	18 U
Endosulfan I	ug/Kg	18 U	18 U	17 U	18 U
Dieldrin	ug/Kg	36 U	36 U	34 U	35 U
4,4'-DDE	ug/Kg	36 U	36 U	34 U	35 U
Endrin	ug/Kg	36 U	36 U	34 U	35 U
Endosulfan II	ug/Kg	36 U	36 U	34 U	35 U
4,4'-DDD	ug/Kg	36 U	36 U	34 U	35 U
Endosulfan sulfate	ug/Kg	36 U	36 U	34 U	35 U
4,4'-DDT	ug/Kg	36 U	36 U	34 U	35 U
Methoxychlor	ug/Kg	180 U	180 U	170 U	180 U
Endrin ketone	ug/Kg	36 U	36 U	34 U	35 U
alpha-Chlordane	ug/Kg	180 U	180 U	170 U	180 U
gamma-Chlordane	ug/Kg	180 U	180 U	170 U	180 U
Toxaphene	ug/Kg	360 U	360 U	340 U	350 U
Aroclor-1016	ug/Kg	180 U	180 U	170 U	180 U
Aroclor-1221	ug/Kg	180 U	180 U	170 U	180 U
Aroclor-1232	ug/Kg	180 U	180 U	170 U	180 U
Aroclor-1242	ug/Kg	180 U	180 U	170 U	180 U
Aroclor-1248	ug/Kg	180 U	180 U	170 U	180 U
Aroclor-1254	ug/Kg	360 U	360 U	340 U	350 U
Aroclor-1260	ug/Kg	360 U	360 U	340 U	350 U

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SOIL EXPLOSIVES ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION	SOIL PAD-A	SOIL PAD-B	SOIL PAD-C	SOIL PAD-C	SOIL PAD-D	SOIL PAD-E	SOIL PAD-F
	DATE	3.5'	2.5'	4.0'	4.0'	2 1/2'	3.0'	2.0'
	MAIN ID	BE-A-1-91	BE-B-2-91	BE-C-2-91	BE-C-3-91	BE-D-2-91	BE-E-1-91	BE-F-1-91
	LAB ID	150037	150657	150040	150041	150105	150106	150624
	UNITS							
HMX	ug/Kg	1000 U	1000 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	180
1,3,5-Trinitrobenzene	ug/Kg	120 U	250	610	180	170	120 Y	110 Y
1,3-Dinitrobenzene	ug/Kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Tetryl	ug/Kg	400 U	400 U	400 U	400 U	400 U	400 U	400 U
2,4,6-Trinitrotoluene	ug/Kg	120 U	300	120 U	240	120 U	120 U	150
4-amino-2,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	240	120 U	120 U	870
2-amino-4,6-Dinitrotoluene	ug/Kg	120 U	360	120 U	120 U	110 Y	86 Y	1000
2,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U
2,4-Dinitrotoluene	ug/Kg	140	590	440	460	360	1900	200

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SOIL EXPLOSIVES ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION	SOIL PAD-F 2.0'	SOIL PAD-F 2.0'	SOIL PAD-F 2.0'	SOIL PAD-F 2.0'	SOIL PAD-G 2 1/2'	SOIL PAD-G 2 1/2'	SOIL PAD-G 4.0'	SOIL PAD-G 4 1/2'
	DATE MAIN ID LAB ID UNITS	12/10/91 BE-F-2-91 150658	12/10/91 BE-F-2-91DL 150658DL	12/10/91 BE-F-2A-91 150659	12/10/91 BE-F-2A-91DL 150659	12/04/91 BE-G-1-91 150190	12/04/91 BE-G-1-91RE 150190R1	12/05/91 BE-G-2-91 150400	12/05/91 BE-G-3-91 150401
HMX	ug/Kg	1000 U	10000 U	1000 U	25000 U	1100 U	960 U	980 U	930 U
RDX	ug/Kg	1000	1200 U	1100	3100 U	83 Y	120 U	120 U	120 U
1,3,5-Trinitrobenzene	ug/Kg	7700 X	7800 D	5800 X	6800 D	127 Y	86 Y	3900	330
1,3-Dinitrobenzene	ug/Kg	180	1200 U	200	3100 U	140 U	120 U	160	120 U
Tetryl	ug/Kg	400 U	4000 U	400 U	10000 U	450 U	380 U	390 U	370 U
2,4,6-Trinitrotoluene	ug/Kg	26000 X	25000 D	80000 X	80000 D	140 U	150	2100	760
4-amino-2,6-Dinitrotoluene	ug/Kg	1300	1900 D	150	3100 U	710	370	1300	300
2-amino-4,6-Dinitrotoluene	ug/Kg	2500	2500 D	1800	2000 YD	880	480	1800	320
2,6-Dinitrotoluene	ug/Kg	120 U	1200 U	120 U	3100 U	140 U	120 U	120 U	120 U
2,4-Dinitrotoluene	ug/Kg	1600	1500 D	1600	1800 YD	100 Y	78 Y	670	800

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SOIL EXPLOSIVES ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	PAD-H	PAD-H	PAD-J	PAD-J	PAD-J
		4.0'	4.0'	3.0'	3.0'	3.0'
	DATE	12/10/91	12/10/91	12/06/91	12/06/91	12/06/91
	MAIN ID	BE-H-2-91	BE-H-3-91	BE-J-4-91	BE-J-5-91	BE-J-6-91
	LAB ID	150627	150662	150409	150410	150411
	UNITS					
HMX	ug/Kg	1000 U	1000 U	990 U	1000 U	990 U
RDX	ug/Kg	120 U	120 U	120 U	120 U	120 U
1,3,5-Trinitrobenzene	ug/Kg	330	320	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	390 U	400 U	390 U
2,4,6-Trinitrotoluene	ug/Kg	110 Y	210	120 U	120 U	120 U
4-amino-2,6-Dinitrotoluene	ug/Kg	190	540	120 U	120 U	120 U
2-amino-4,6-Dinitrotoluene	ug/Kg	110 Y	440	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	230	1500	120 U	170	92 Y

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SOIL INORGANIC ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	SITE	PAD-A	PAD-B	PAD-C	PAD-C	PAD-D	PAD-E	PAD-F	PAD-F
	DATE	3 1/2'	2 1/2'	4.0'	4.0'	3.0'	3.0'	2.0'	2.0'
	MAIN ID	12/03/91	12/10/91	12/03/91	12/03/91	12/04/91	12/04/91	12/10/91	12/10/91
	LAB ID	BE-A-1-91	BE-B-2-91	BE-C-2-91	BE-C-3-91	BE-D-1-91	BE-E-1-91	BE-F-1-91	BE-F-2-91
	UNITS	150037	150657	150040	150041	150104	150106	150624	150658
Aluminum	ug/Kg	18300	19400	20700	30500	16800	17500	14600	19900
Antimony	ug/Kg	14.5	68.8	6.1 U	67.7	54.2	5.4 U	5.5 U	21.3
Arsenic	ug/Kg	5	10.1	6.2	20	6.9	6.2	8	9.5
Barium	ug/Kg	1040	19600	2240	3900	740	680	474	3300
Beryllium	ug/Kg	0.85	0.77	0.79	0.86	0.78	0.85	0.85	0.71
Cadmium	ug/Kg	3.9	15	28.2	16.3	10.9	7.9	3.5	10.1
Calcium	ug/Kg	8210	11700	15200	12300	10600	8930	6070	17200
Chromium	ug/Kg	24.5	48.1	53.6	46	31.1	32.2	21.1	34.1
Cobalt	ug/Kg	17.6	19.5	13.8	11.4	11.2	14.2	10.9	11.7
Copper	ug/Kg	767	38100	3800	3620	704	444	100	787
Iron	ug/Kg	28200	43200	36200	33800	33400	52000	23600	47600
Lead	ug/Kg	7880	41200	56700	29000	14400	1260	2350	5310
Magnesium	ug/Kg	7030	9210	8060	8770	5690	5930	4700	6780
Manganese	ug/Kg	1260	646	610	476	751	656	836	697
Mercury	ug/Kg	0.04 U	0.2	0.21	0.23	0.23	0.18	0.25	0.09 B
Nickel	ug/Kg	31.5	44.8	49.9	51.6	36.7	47.2	26	41.7
Potassium	ug/Kg	1740	3570	2880	3060	1930	2030	1380	2160
Selenium	ug/Kg	0.21 U	3.2	1 U	0.86 U	0.19 B	0.28 B	0.17 B	1 U
Silver	ug/Kg	0.38 B	3.1	4.7	6.5	1.7	0.54 B	0.36 B	1.1
Sodium	ug/Kg	66.6 B	347 B	353 B	482 B	295 B	123 B	72.9 B	335 B
Thallium	ug/Kg	0.67 U	0.34 U	0.64 U	0.55 U	0.62 U	0.61 U	0.35 U	0.32 U
Vanadium	ug/Kg	28.8	29.2	22.9	31.8	25.3	28	25.3	25.7
Zinc	ug/Kg	210	5380	7440	3380	13000	775	138	2730
Cyanide	ug/Kg	0.65 U	0.67 U	0.6 U	0.69 U	0.67 U	0.65 U	0.65 U	2

SENECA ARMY DEPOT
OB GROUNDS

BERM EXCAVATIONS
SOIL INORGANIC ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	SITE	PAD-F	PAD-G	PAD-G	PAD-G	PAD-H	PAD-H	PAD-H	PAD-J	PAD-J
	DATE	2.0'	4.0'	4 1/2'	3.0'	4.0'	4.0'	3.0'	3.0'	3.0'
	MAIN ID	12/10/91	12/05/91	12/05/91	12/05/91	12/10/91	12/10/91	12/10/91	12/06/91	12/06/91
	LAB ID	BE-F-2A-91	BE-G-2-91	BE-G-3-91	BE-G-6-91	BE-H-2-91	BE-H-3-91	BE-H-3-91	BE-J-4-91	BE-J-5-91
UNITS	LAB ID	150659	150400	150401	150404	150627	150662	150662	150409	150410
Aluminum	ug/Kg	21300	20700	21100	38900	13400	18700	16700	13800	
Antimony	ug/Kg	19.9	115	35.7	8.7	40.8	108	5.4 U	5.1 U	
Arsenic	ug/Kg	15.4	20	11.7	0.86 B	25.8	25	4.1	3.4	
Barium	ug/Kg	4570	4740	1400	2890	2580	4400	213	136	
Beryllium	ug/Kg	0.78	0.87	1	0.99	0.59	0.73	0.9	0.74	
Cadmium	ug/Kg	11.4	6.9	9	27.9	6.1	5.6	3.4	4.5	
Calcium	ug/Kg		14800	18000	30000	6580	9640	3310	8200	
Chromium	ug/Kg	37	32.2	71	87.8	27.8	35.4	19	21.8	
Cobalt	ug/Kg	12.1	12.2	11.9	11.2	8	12.7	9.7	7.4	
Copper	ug/Kg	1770	5300	632	998	1930	2900	29.8	137	
Iron	ug/Kg	42200	34200	35200	29700	25900	38000	24100	18500	
Lead	ug/Kg	9340	22400	7800	8710	6900	24200	32.4	644	
Magnesium	ug/Kg	7570	9910	6080	8230	5620	8450	3320	3650	
Manganese	ug/Kg	758	662	947	584	487	732	978	451	
Mercury	ug/Kg	0.3	0.19	0.42	0.1	0.13	0.32	0.37	0.27	
Nickel	ug/Kg	53.1	39.9	33.9	64.5	25.9	42.5	15.7	21.9	
Potassium	ug/Kg	2500	2100	3430	2680	1120	1900	1550	1150	
Selenium	ug/Kg	1.1 U	1.9	0.17 B	0.12 U	0.34 B	2.4	0.1 U	0.1 U	
Silver	ug/Kg	2.1	2.1	1.2	15.3	0.98 B	1.4	0.34 U	0.45 B	
Sodium	ug/Kg	414 B	368 B	235 B	514 B	110 B	312 B	54.7 B	54.5 B	
Thallium	ug/Kg	0.35 U	0.35 U	0.35 U	0.39 U	0.34 U	0.35 U	0.33 U	0.32 U	
Vanadium	ug/Kg	29.1	26.9	33.8	41.4	20.5	28.2	30.1	24	
Zinc	ug/Kg	2160	1650	862	5300	1590	992	138	903	
Cyanide	ug/Kg	2.2	0.64 U	0.64 U	0.7 U	0.59 U	0.6 U	0.66 U	0.62 U	

SENECA ARMY DEPO
OB GROUNDS

BERM EXCAVATIONS
SOIL INORGANIC AN,

COMPOUND	MATRX SITE	SOIL PAD-J 3.0'
	DATE	12/06/91
	MAIN ID	BE-J-6-91
	LAB ID	150411
	UNITS	
Aluminum	ug/Kg	16000
Antimony	ug/Kg	5.5 U
Arsenic	ug/Kg	4.6
Barium	ug/Kg	470
Beryllium	ug/Kg	0.95
Cadmium	ug/Kg	3.4
Calcium	ug/Kg	7930
Chromium	ug/Kg	19.9
Cobalt	ug/Kg	7.9
Copper	ug/Kg	59.9
Iron	ug/Kg	20800
Lead	ug/Kg	48
Magnesium	ug/Kg	4270
Manganese	ug/Kg	802
Mercury	ug/Kg	0.39
Nickel	ug/Kg	20
Potassium	ug/Kg	1380
Selenium	ug/Kg	0.1 U
Silver	ug/Kg	0.55 B
Sodium	ug/Kg	56 B
Thallium	ug/Kg	0.33 U
Vanadium	ug/Kg	26.3
Zinc	ug/Kg	156
Cyanide	ug/Kg	0.44 U

SENECA ARMY DEPOT
OB GROUNDS

GEOPHYSICAL EXCAVATIONS
SUMMARY OF SEMI-VOLATILE RESULTS

COMPOUND	MATRIX LOCATION DEPTH DATE MAIN ID LAB ID UNITS	SOIL GAE-G 2.0' 12/11/91 GAE-G-1 150679	SOIL GAE-G 2.0' 12/11/91 GAE-G-2 150680	SOIL GAE-J 1.0' 12/11/91 GAE-J-1 150681
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
bis(2-Chloroisopropyl) ether	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
Dimethylphalate	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

SENECA ARMY DEPOT
OB GROUNDS

GEOPHYSICAL EXCAVATIONS
SUMMARY OF SEMI-VOLATILE RESULTS

COMPOUND	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
	MAIN ID	GAE-G-1	GAE-G-2	GAE-J-1
	LAB ID	150679	150680	150681
COMPOUND	UNITS			
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
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 EXCAVATIONS
SUMMARY OF VOLATILES

COMPOUND	MATRIX LOCATION DEPTH DATE MAIN ID LAB ID UNITS	SOIL GAE-G 2.0' 12/11/91 GAE-G-1 150679	SOIL GAE-G 2.0' 12/11/91 GAE-G-2 150680	SOIL GAE-J 1.0' 12/11/91 GAE-J-1 150681
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
Methyl Chloride	ug/Kg	5 BJ	2 BJ	2 BJ
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-Trichloroethene	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 EXCAVATIONS
PESTICIDES AND PCB'S ANALYSIS

COMPOUND	MATRIX	SOIL	SOIL	SOIL
	LOCATION	PAD-G	PAD-G	PAD-J
		2.0'	2.0'	1.0'
	DATE	12/12/91	12/12/91	12/12/91
	MAIN ID	GAE-G-1	GAE-G-2	GAE-J-1
	LAB ID	150679	150680	150681
COMPOUND	UNITS			
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
Methoxychor	ug/Kg	200 U	180 U	190 U
Endrin ketone	ug/Kg	39 U	36 U	38 U
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 EXCAVATIONS
EXPLOSIVES

COMPOUND	MATRIX LOCATION	SOIL PAD-G	SOIL PAD-G	SOIL PAD-J
	DATE	2.0'	2.0'	1.0'
	MAIN ID	GAE-G-1	GAE-G-2	GAE-J-1
	LAB ID	150679	150680	150681
	UNITS			
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

SENECA ARMY DEPOT
OB GROUNDS

GEOPHYSICAL EXCAVATIONS
SOIL INORGANIC ANALYSIS

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

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VOLATILE ORGANIC RESULTS

COMPOUND	UNITS	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		LOCATION	GB-01	GB-01	GB-02	GB-02	GB-03	GB-03	GB-04
		DEPTH	0-6"	2-4'	0-6"	4-6"	0-6"	0-2'	0-6"
		DATE	12/03/91	12/03/91	12/04/91	12/04/91	12/05/91	12/04/91	12/05/91
		MAIN ID	GB011	GB01-3	GB02-1	GB02-4	GB03-1	GB03-2	GB04-1
		LAB ID	150047	150049	150184	150185	150382	150186	150383
Chloromethane	ug/Kg		13 U	11 U	13 U	11 U	11 U	12 U	12 U
Bromomethane	ug/Kg		13 U	11 U	13 U	11 U	11 U	12 U	12 U
Vinyl Chloride	ug/Kg		13 U	11 U	13 U	11 U	11 U	12 U	12 U
Chloroethane	ug/Kg		13 U	11 U	13 U	11 U	11 U	12 U	12 U
Methyl Chloride	ug/Kg		2 BJ	2 BJ	2 BJ	2 BJ	2 BJ	4 BJ	6 U
Acetone	ug/Kg		5 BJ	11 U	13 B	3 BJ	3 BJ	9 BJ	12 U
Carbon Disulfide	ug/Kg		7 U	6 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	6 U
1,1-Dichloroethane	ug/Kg		7 U	6 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	6 U
Chloroform	ug/Kg		7 U	6 U	6 U	10	6 U	6 U	6 U
1,2-Dichloroethane	ug/Kg		7 U	6 U	6 U	6 U	6 U	6 U	6 U
2-Butanone	ug/Kg		13 U	11 U	13 U	11 U	11 U	12 U	12 U
1,1,1-Trichloroethane	ug/Kg		7 U	6 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	6 U
Vinyl Acetate	ug/Kg		13 U	11 U	13 U	11 U	11 U	12 U	12 U
Bromodichloromethane	ug/Kg		7 U	6 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	6 U
cis-1,3-Dichloropropene	ug/Kg		7 U	6 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	6 U
Dibromochloromethane	ug/Kg		7 U	6 U	6 U	6 U	6 U	6 U	6 U
1,1,2-Trichloroethene	ug/Kg		7 U	6 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	6 U
trans-1,3-Dichloropropene	ug/Kg		7 U	6 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	6 U
4-Methyl-2-Pentanone	ug/Kg		13 U	11 U	13 U	11 U	2 BJ	12 U	12 U
2-Hexanone	ug/Kg		13 U	11 U	13 U	11 U	11 U	12 U	12 U
Tetrachloroethene	ug/Kg		7 U	6 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	6 U
Toluene	ug/Kg		7 U	6 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	6 U
Ethylbenzene	ug/Kg		7 U	6 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	6 U
Xylene (total)	ug/Kg		7 U	6 U	6 U	6 U	6 U	6 U	6 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VOLATILE ORGANIC RESULTS

COMPOUND	UNITS	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		LOCATION	GB-04	GB-05	GB-05	GB-06	GB-06	GB-07	GB-07
		DEPTH	6' +	0-6"	0-2'	0-6"	6' +	0-6"	0-2'
		DATE	12/05/91	12/05/91	12/05/91	12/06/91	12/06/91	12/06/91	12/09/91
		MAIN ID	GB04-5	GB05-1	GB05-2	GB06-1	GB06-5	GB-07-1	GB-07-2
		LAB ID	150387	150388	150389	150391	150395	150573	150574
Chloromethane	ug/Kg		12 U	12 U	12 U	12 U	13 U	11 U	12 U
Bromomethane	ug/Kg		12 U	12 U	12 U	12 U	13 U	11 U	12 U
Vinyl Chloride	ug/Kg		12 U	12 U	12 U	12 U	13 U	11 U	12 U
Chloroethane	ug/Kg		12 U	12 U	12 U	12 U	13 U	11 U	12 U
Methyl Chloride	ug/Kg		2 BJ	2 BJ	6 U	2 BJ	2 BJ	3 BJ	4 BJ
Acetone	ug/Kg		12 U	3 BJ	12 U	2 BJ	13 U	11 U	9 BJ
Carbon Disulfide	ug/Kg		6 U	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	6 U
1,1-Dichloroethane	ug/Kg		6 U	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	6 U
Chloroform	ug/Kg		6 U	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	6 U
2-Butanone	ug/Kg		12 U	12 U	12 U	12 U	13 U	11 U	12 U
1,1,1-Trichloroethane	ug/Kg		6 U	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	6 U
Vinyl Acetate	ug/Kg		12 U	12 U	12 U	12 U	13 U	11 U	12 U
Bromodichloromethane	ug/Kg		6 U	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	6 U
cis-1,3-Dichloropropene	ug/Kg		6 U	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	6 U
Dibromochloromethane	ug/Kg		6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,1,2-Trichloroethene	ug/Kg		6 U	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	6 U
trans-1,3-Dichloropropene	ug/Kg		6 U	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	6 U
4-Methyl-2-Pentanone	ug/Kg		12 U	12 U	12 U	12 U	13 U	11 U	12 U
2-Hexanone	ug/Kg		12 U	12 U	12 U	12 U	13 U	11 U	12 U
Tetrachloroethene	ug/Kg		6 U	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	6 U
Toluene	ug/Kg		6 U	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	6 U
Ethylbenzene	ug/Kg		6 U	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	6 U
Xylene (total)	ug/Kg		6 U	6 U	6 U	6 U	6 U	6 U	6 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VOLATILE ORGANIC RESULTS

COMPOUND	UNITS	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		LOCATION	GB-08	GB-08	GB-08	GB-09	GB-09	GB-10	GB-10
		DEPTH	0-6"	0-6"	4-6"	0-6"	2-4"	0-6"	2'
		DATE	12/09/91	12/09/91	12/09/91	12/09/91	12/09/91	12/11/91	12/11/91
		MAIN ID	GB-08-1	GB-08-1RE	GB-08-4	GB-09-1	GB-09-3	GB-10-1	GB-10-3
		LAB ID	150577	150577	150580	150582	150584	150780	150782
Chloromethane	ug/Kg		12 U	12 U	11 U	12 U	11 U	12 U	12 U
Bromomethane	ug/Kg		12 U	12 U	11 U	12 U	11 U	12 U	12 U
Vinyl Chloride	ug/Kg		12 U	12 U	11 U	12 U	11 U	12 U	12 U
Chloroethane	ug/Kg		12 U	12 U	11 U	12 U	11 U	12 U	12 U
Methyl Chloride	ug/Kg		4 BJ	2 BJ	4 BJ	6 U	4 BJ	2 BJ	2 BJ
Acetone	ug/Kg		4 BJ	12 U	6 BJ	12 U	10 BJ	12 U	12 U
Carbon Disulfide	ug/Kg		6 U	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	6 U
1,1-Dichloroethane	ug/Kg		6 U	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	6 U
Chloroform	ug/Kg		13	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	6 U
2-Butanone	ug/Kg		12 U	12 U	11 U	12 U	11 U	12 U	12 U
1,1,1-Trichloroethane	ug/Kg		6 U	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	6 U
Vinyl Acetate	ug/Kg		12 U	12 U	11 U	12 U	11 U	12 U	12 U
Bromodichloromethane	ug/Kg		6 U	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	6 U
cis-1,3-Dichloropropene	ug/Kg		6 U	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	6 U
Dibromochloromethane	ug/Kg		6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,1,2-Trichloroethene	ug/Kg		6 U	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	6 U
trans-1,3-Dichloropropene	ug/Kg		6 U	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	6 U
4-Methyl-2-Pentanone	ug/Kg		12 U	12 U	11 U	12 U	11 U	12 U	12 U
2-Hexanone	ug/Kg		12 U	12 U	11 U	12 U	11 U	12 U	12 U
Tetrachloroethene	ug/Kg		2 J	13	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	6 U
Toluene	ug/Kg		6 U	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	6 U
Ethylbenzene	ug/Kg		6 U	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	6 U
Xylene (total)	ug/Kg		6 U	6 U	6 U	6 U	6 U	6 U	6 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VOLATILE ORGANIC RESULTS

COMPOUND	UNITS	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		LOCATION	OB-11	OB-11	OB-12	OB-12	OB-12	OB-12	OB-12
		DEPTH	0-6"	2-4'	0-6"	0-6"	0-2'	0-2'	0-6"
		DATE	12/10/91	12/10/91	12/16/91	12/16/91	12/16/91	12/16/91	12/16/91
		MAIN ID	OB-11-1	OB-11-3	OB-12-1	OB-12-1A	OB-12-2	OB-12-2A	OB-13-1
		LAB ID	150682	150684	151121	151122	151123	151124	152902
Chloromethane	ug/Kg		13 U	11 U	12 U	12 U	12 U	13 U	18 U
Bromomethane	ug/Kg		13 U	11 U	12 U	12 U	12 U	13 U	18 U
Vinyl Chloride	ug/Kg		13 U	11 U	12 U	12 U	12 U	13 U	18 U
Chloroethane	ug/Kg		13 U	11 U	12 U	12 U	12 U	13 U	18 U
Methyl Chloride	ug/Kg		3 BJ	5 U	2 BJ	1 BJ	6 U	1 BJ	9 BJ
Acetone	ug/Kg		13 U	11 U	12 U	12 U	12 U	13 U	11 BJ
Carbon Disulfide	ug/Kg		6 U	5 U	6 U	6 U	6 U	6 U	9 U
1,1-Dichloroethene	ug/Kg		6 U	5 U	6 U	6 U	6 U	6 U	9 U
1,1-Dichloroethane	ug/Kg		6 U	5 U	6 U	6 U	6 U	6 U	9 U
1,2-Dichloroethene (total)	ug/Kg		6 U	5 U	6 U	6 U	6 U	6 U	9 U
Chloroform	ug/Kg		6 U	5 U	6 U	8	6 U	6 U	9 U
1,2-Dichloroethane	ug/Kg		6 U	5 U	6 U	6 U	6 U	6 U	9 U
2-Butanone	ug/Kg		13 U	11 U	12 U	12 U	12 U	13 U	18 U
1,1,1-Trichloroethane	ug/Kg		6 U	5 U	6 U	6 U	6 U	6 U	9 U
Carbon Tetrachloride	ug/Kg		6 U	5 U	6 U	6 U	6 U	6 U	9 U
Vinyl Acetate	ug/Kg		13 U	11 U	12 U	12 U	12 U	13 U	18 U
Bromodichloromethane	ug/Kg		6 U	5 U	6 U	6 U	6 U	6 U	9 U
1,2-Dichloropropane	ug/Kg		6 U	5 U	6 U	6 U	6 U	6 U	9 U
cis-1,3-Dichloropropene	ug/Kg		6 U	5 U	6 U	6 U	6 U	6 U	9 U
Trichloroethene	ug/Kg		6 U	5 U	6 U	3 J	6 U	6 U	9 U
Dibromochloromethane	ug/Kg		6 U	5 U	6 U	6 U	6 U	6 U	9 U
1,1,2-Trichloroethene	ug/Kg		6 U	5 U	6 U	6 U	6 U	6 U	9 U
Benzene	ug/Kg		6 U	5 U	6 U	6 U	6 U	6 U	9 U
trans-1,3-Dichloropropene	ug/Kg		6 U	5 U	6 U	6 U	6 U	6 U	9 U
Bromoform	ug/Kg		6 U	5 U	6 U	6 U	6 U	6 U	9 U
4-Methyl-2-Pentanone	ug/Kg		13 U	11 U	12 U	12 U	12 U	13 U	18 U
2-Hexanone	ug/Kg		13 U	11 U	12 U	12 U	12 U	13 U	18 U
Tetrachloroethene	ug/Kg		6 U	5 U	6 U	3 J	6 U	6 U	9 U
1,1,2,2-Tetrachloroethane	ug/Kg		6 U	5 U	6 U	6 U	6 U	6 U	9 U
Toluene	ug/Kg		6 U	5 U	6 U	6 U	6 U	6 U	9 U
Chlorobenzene	ug/Kg		6 U	5 U	6 U	6 U	6 U	6 U	9 U
Ethylbenzene	ug/Kg		6 U	5 U	6 U	6 U	6 U	6 U	9 U
Styrene	ug/Kg		6 U	5 U	6 U	6 U	6 U	6 U	9 U
Xylene (total)	ug/Kg		6 U	5 U	6 U	6 U	6 U	6 U	9 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VOLATILE ORGANIC RESULTS

COMPOUND	UNITS	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
		LOCATION	GB-13	GB-14	GB-14	GB-14	GB-14	GB-15	GB-15	
		DEPTH	0-2'	0-6'	0-6'	0-2'	0-2'	0-2'	0-6'	0-2'
		DATE		12/16/91	12/16/91	12/16/91	12/16/91	12/16/91		
		MAIN ID	GB-13-2	GB-14-1	GB-14-1A	GB-14-2	GB-14-2A	GB-15-1	GB-15-2	
		LAB ID	152903	151131	151132	151133	151134	152906	152907	
Chloromethane	ug/Kg		12 U	11 U	12 U	12 U	12 U	14 U	12 U	
Bromomethane	ug/Kg		12 U	11 U	12 U	12 U	12 U	14 U	12 U	
Vinyl Chloride	ug/Kg		12 U	11 U	12 U	12 U	12 U	14 U	12 U	
Chloroethane	ug/Kg		12 U	11 U	12 U	12 U	12 U	14 U	12 U	
Methyl Chloride	ug/Kg		7 B	2 BJ	2 BJ	1 BJ	2 BJ	7 BJ	5 BJ	
Acetone	ug/Kg		3 BJ	14 B	12 U	12 U	12 U	7 BJ	3 BJ	
Carbon Disulfide	ug/Kg		6 U	6 U	6 U	6 U	6 U	7 U	6 U	
1,1-Dichloroethene	ug/Kg		6 U	6 U	6 U	6 U	6 U	7 U	6 U	
1,1-Dichloroethane	ug/Kg		6 U	6 U	6 U	6 U	6 U	7 U	6 U	
1,2-Dichloroethene (total)	ug/Kg		6 U	6 U	6 U	6 U	6 U	7 U	6 U	
Chloroform	ug/Kg		6 U	6 U	6 U	6 U	6 U	2 J	6 U	
1,2-Dichloroethane	ug/Kg		6 U	6 U	6 U	6 U	6 U	7 U	6 U	
2-Butanone	ug/Kg		12 U	11 U	12 U	12 U	12 U	14 U	12 U	
1,1,1-Trichloroethane	ug/Kg		6 U	6 U	6 U	6 U	6 U	7 U	6 U	
Carbon Tetrachloride	ug/Kg		6 U	6 U	6 U	6 U	6 U	7 U	6 U	
Vinyl Acetate	ug/Kg		12 U	11 U	12 U	12 U	12 U	14 U	12 U	
Bromodichloromethane	ug/Kg		6 U	6 U	6 U	6 U	6 U	7 U	6 U	
1,2-Dichloropropane	ug/Kg		6 U	6 U	6 U	6 U	6 U	7 U	6 U	
cis-1,3-Dichloropropene	ug/Kg		6 U	6 U	6 U	6 U	6 U	7 U	6 U	
Trichloroethene	ug/Kg		6 U	6 U	6 U	6 U	6 U	7 U	6 U	
Dibromochloromethane	ug/Kg		6 U	6 U	6 U	6 U	6 U	7 U	6 U	
1,1,2-Trichloroethene	ug/Kg		6 U	6 U	6 U	6 U	6 U	7 U	6 U	
Benzene	ug/Kg		6 U	6 U	6 U	6 U	6 U	7 U	6 U	
trans-1,3-Dichloropropene	ug/Kg		6 U	6 U	6 U	6 U	6 U	7 U	6 U	
Bromoform	ug/Kg		6 U	6 U	6 U	6 U	6 U	7 U	6 U	
4-Methyl-2-Pentanone	ug/Kg		12 U	11 U	12 U	12 U	12 U	14 U	12 U	
2-Hexanone	ug/Kg		12 U	11 U	12 U	12 U	12 U	14 U	12 U	
Tetrachloroethene	ug/Kg		6 U	6 U	6 U	6 U	6 U	7 U	6 U	
1,1,2,2-Tetrachloroethane	ug/Kg		6 U	6 U	6 U	6 U	6 U	7 U	6 U	
Toluene	ug/Kg		6 U	6 U	6 U	6 U	6 U	7 U	6 U	
Chlorobenzene	ug/Kg		6 U	6 U	6 U	6 U	6 U	7 U	6 U	
Ethylbenzene	ug/Kg		6 U	6 U	6 U	6 U	6 U	7 U	6 U	
Styrene	ug/Kg		6 U	6 U	6 U	6 U	6 U	7 U	6 U	
Xylene (total)	ug/Kg		6 U	6 U	6 U	6 U	6 U	7 U	6 U	

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SUMMARY OF VOLATILE ORGANIC RESULTS

COMPOUND	UNITS	MATRIX	SOIL	SOIL
		LOCATION	GB-16	GB-16
		DEPTH	0-6"	0-2"
		DATE		
		MAIN ID	GB-16-1	GB-16-2
		LAB ID	152910	152911
Chloromethane	ug/Kg		12 U	12 U
Bromomethane	ug/Kg		12 U	12 U
Vinyl Chloride	ug/Kg		12 U	12 U
Chloroethane	ug/Kg		12 U	12 U
Methyl Chloride	ug/Kg		7 B	10 B
Acetone	ug/Kg		11 BJ	6 BJ
Carbon Disulfide	ug/Kg		6 U	6 U
1,1-Dichloroethene	ug/Kg		6 U	6 U
1,1-Dichloroethane	ug/Kg		6 U	6 U
1,2-Dichloroethene (total)	ug/Kg		6 U	6 U
Chloroform	ug/Kg		6 U	6 U
1,2-Dichloroethane	ug/Kg		6 U	6 U
2-Butanone	ug/Kg		12 U	12 U
1,1,1-Trichloroethane	ug/Kg		6 U	6 U
Carbon Tetrachloride	ug/Kg		6 U	6 U
Vinyl Acetate	ug/Kg		12 U	12 U
Bromodichloromethane	ug/Kg		6 U	6 U
1,2-Dichloropropane	ug/Kg		6 U	6 U
cis-1,3-Dichloropropene	ug/Kg		6 U	6 U
Trichloroethene	ug/Kg		6 U	6 U
Dibromochloromethane	ug/Kg		6 U	6 U
1,1,2-Trichloroethene	ug/Kg		6 U	6 U
Benzene	ug/Kg		6 U	6 U
trans-1,3-Dichloropropene	ug/Kg		6 U	6 U
Bromoform	ug/Kg		6 U	6 U
4-Methyl-2-Pentanone	ug/Kg		12 U	12 U
2-Hexanone	ug/Kg		12 U	12 U
Tetrachloroethene	ug/Kg		6 U	6 U
1,1,2,2-Tetrachloroethane	ug/Kg		6 U	6 U
Toluene	ug/Kg		6 U	6 U
Chlorobenzene	ug/Kg		6 U	6 U
Ethylbenzene	ug/Kg		6 U	6 U
Styrene	ug/Kg		6 U	6 U
Xylene (total)	ug/Kg		6 U	6 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SEMI-VOLATILE ORGANIC RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-1	GB-02	GB-02	GB-02	GB-02	GB-02	GB-03
	DEPTH	0-6"	0-6"	0-6"	4-6'	4-6'	0-6"	0-2'
	DATE	12/03/91	12/04/91	12/03/91	12/04/91	12/04/91	12/05/91	12/04/91
	MAIN ID	GB01-1	GB02-1	GB02-2	GB02-4	GB02-4RE	GB03-1	GB03-2
	LAB ID	150047	150184	150051	150185	150185	150382	150186
	UNITS							
3-Nitroaniline	ug/Kg	3800 U	3900 U	3800 U	3700 U	3700 U	3700 U	3500 U
Acenaphthene	ug/Kg	780 U	790 U	790 U	770 U	770 U	760 U	730 U
2,4-Dinitrophenol	ug/Kg	3800 U	3900 U	3800 U	3700 U	3700 U	3700 U	3500 U
4-Nitrophenol	ug/Kg	3800 U	3900 U	3800 U	3700 U	3700 U	3700 U	3500 U
Dibenzofuran	ug/Kg	780 U	790 U	790 U	770 U	770 U	760 U	730 U
2,4-Dinitrotoluene	ug/Kg	780 U	2000	790 U	770 U	4200	7000	730 U
Diethylphthalate	ug/Kg	780 U	790 U	790 U	770 U	770 U	760 U	730 U
4-Chlorophenyl-phenylether	ug/Kg	780 U	790 U	790 U	770 U	770 U	760 U	730 U
Fluorene	ug/Kg	780 U	790 U	790 U	770 U	770 U	760 U	730 U
4-Nitroaniline	ug/Kg	3800 U	3900 U	3800 U	3700 U	3700 U	3700 U	3500 U
4,6-Dinitro-2-methylphenol	ug/Kg	3800 U	3900 U	3800 U	3700 U	3700 U	3700 U	3500 U
N-Nitrosodiphenylamine (1)	ug/Kg	780 U	340 J	790 U	770 U	770 U	1000	730 U
4-Bromophenyl-phenylether	ug/Kg	780 U	790 U	790 U	770 U	770 U	760 U	730 U
Hexachlorobenzene	ug/Kg	780 U	790 U	790 U	770 U	770 U	760 U	730 U
Pentachlorophenol	ug/Kg	3800 U	3900 U	3800 U	3700 U	3700 U	3700 U	3500 U
Phenanthrene	ug/Kg	780 U	790 U	790 U	770 U	770 U	760 U	730 U
Anthracene	ug/Kg	780 U	790 U	790 U	770 U	770 U	760 U	730 U
Di-n-butylphthalate	ug/Kg	780 U	1100	790 U	770 U	1400	840	730 U
Fluoranthene	ug/Kg	780 U	790 U	790 U	770 U	770 U	760 U	730 U
Pyrene	ug/Kg	780 U	790 U	790 U	770 U	770 U	760 U	730 U
Butylbenzylphthalate	ug/Kg	780 U	790 U	790 U	770 U	770 U	760 U	730 U
3,3'-Dichlorobenzidine	ug/Kg	1600 U	1600 U	1600 U	1500 U	1500 U	1500 U	1500 U
Benzo(a)anthracene	ug/Kg	780 U	790 U	790 U	770 U	770 U	760 U	730 U
Chrysene	ug/Kg	780 U	790 U	790 U	770 U	770 U	760 U	730 U
bis(2-Ethylhexyl)phthalate	ug/Kg	780 U	790 U	790 U	770 U	770 U	760 U	730 U
Di-n-octylphthalate	ug/Kg	780 U	790 U	790 U	770 U	770 U	760 U	730 U
Benzo(b)fluoranthene	ug/Kg	780 U	790 U	790 U	770 U	770 U	760 U	730 U
benzo(k)fluoranthene	ug/Kg	780 U	790 U	790 U	770 U	770 U	760 U	730 U
Benzo(a)pyrene	ug/Kg	780 U	790 U	790 U	770 U	770 U	760 U	730 U
Indeno(1,2,3-cd)pyrene	ug/Kg	780 U	790 U	790 U	770 U	770 U	760 U	730 U
Dibenz(a,h)anthracene	ug/Kg	780 U	790 U	790 U	770 U	770 U	760 U	730 U
Benzo(g,h,i)perylene	ug/Kg	780 U	790 U	790 U	770 U	770 U	760 U	730 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SEMI-VOLATILE ORGANIC RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-03	GB-04	GB-04	GB-05	GB-05	GB-05	GB-06	GB-07
	DEPTH	0-2'	0-6"	6' +	0-6"	0-2'	0-6"	0-6"	0-6"
	DATE	12/04/91	12/06/91	12/06/91	12/06/91	12/06/91	12/06/91	12/06/91	12/09/91
	MAIN ID	GB03-2RE	GB04-1	GB04-5	GB05-1	GB05-2	GB06-1	GB07-1	
	LAB ID	150186	150383	150387	150388	150389	150391	150393	
	UNITS								
3-Nitroaniline	ug/Kg	1700 U	3800 U	3600 U	3900 U	3700 U	3800 U	4000 U	
Acenaphthene	ug/Kg	360 U	780 U	750 U	800 U	760 U	780 U	830 U	
2,4-Dinitrophenol	ug/Kg	1700 U	3800 U	3600 U	3900 U	3700 U	3800 U	4000 U	
4-Nitrophenol	ug/Kg	1700 U	3800 U	3600 U	3900 U	3700 U	3800 U	4000 U	
Dibenzofuran	ug/Kg	360 U	780 U	750 U	800 U	760 U	780 U	830 U	
2,4-Dinitrotoluene	ug/Kg	2200	780 U	750 U	800 U	760 U	780 U	830 U	
Diethylphthalate	ug/Kg	360 U	780 U	750 U	800 U	760 U	780 U	830 U	
4-Chlorophenyl-phenylether	ug/Kg	360 U	780 U	750 U	800 U	760 U	780 U	830 U	
Fluorene	ug/Kg	360 U	780 U	750 U	800 U	760 U	780 U	830 U	
4-Nitroaniline	ug/Kg	1700 U	3800 U	3600 U	3900 U	3700 U	3800 U	4000 U	
4,6-Dinitro-2-methylphenol	ug/Kg	1700 U	3800 U	3600 U	3900 U	3700 U	3800 U	4000 U	
N-Nitrosodiphenylamine (1)	ug/Kg	510	780 U	750 U	800 U	760 U	780 U	830 U	
4-Bromophenyl-phenylether	ug/Kg	360 U	780 U	750 U	800 U	760 U	780 U	830 U	
Hexachlorobenzene	ug/Kg	360 U	780 U	750 U	800 U	760 U	780 U	830 U	
Pentachlorophenol	ug/Kg	1700 U	3800 U	3600 U	3900 U	3700 U	3800 U	4000 U	
Phenanthrene	ug/Kg	360 U	780 U	750 U	290 J	760 U	780 U	830 U	
Anthracene	ug/Kg	360 U	780 U	750 U	800 U	760 U	780 U	830 U	
Di-n-butylphthalate	ug/Kg	1400	780 U	750 U	800 U	760 U	780 U	830 U	
Fluoranthene	ug/Kg	360 U	780 U	750 U	480 J	760 U	780 U	830 U	
Pyrene	ug/Kg	360 U	780 U	750 U	300 J	760 U	780 U	830 U	
Butylbenzylphthalate	ug/Kg	360 U	780 U	750 U	800 U	760 U	780 U	830 U	
3,3'-Dichlorobenzidine	ug/Kg	720 U	1600 U	1500 U	1600 U	1500 U	1600 U	1700 U	
Benzo(a)anthracene	ug/Kg	360 U	780 U	750 U	200 J	760 U	780 U	830 U	
Chrysene	ug/Kg	360 U	780 U	750 U	250 J	760 U	780 U	830 U	
bis(2-Ethylbenzyl)phthalate	ug/Kg	360 U	780 U	750 U	800 U	300 J	780 U	830 U	
Di-n-octylphthalate	ug/Kg	360 U	780 U	750 U	800 U	760 U	780 U	830 U	
Benzo(b)fluoranthene	ug/Kg	360 U	780 U	750 U	180 J	760 U	780 U	830 U	
benzo(k)fluoranthene	ug/Kg	360 U	780 U	750 U	190 J	760 U	780 U	830 U	
Benzo(a)pyrene	ug/Kg	360 U	780 U	750 U	150 J	760 U	780 U	830 U	
Indeno(1,2,3-cd)pyrene	ug/Kg	360 U	780 U	750 U	800 U	760 U	780 U	830 U	
Dibenz(a,h)anthracene	ug/Kg	360 U	780 U	750 U	800 U	760 U	780 U	830 U	
Benzo(g,h,i)perylene	ug/Kg	360 U	780 U	750 U	800 U	760 U	780 U	830 U	

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SEMI-VOLATILE ORGANIC RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-07	GB-07	GB-07	GB-08	GB-08	GB-09	GB-09
	DEPTH	0-6"	0-2'	0-6"	0-6"	4-6'	0-6"	0-6"
	DATE	12/09/91	12/09/91	12/09/91	12/09/91	12/09/91	12/10/91	12/10/91
	MAIN ID	GB-07-1RE	GB-07-2	GB-08-1	GB-08-1RE	GB-08-4	GB-09-1	GB-09-1RE
	LAB ID	150573	150574	150577	150577	150580	150582	150582
	UNITS							
3-Nitroaniline	ug/Kg	2000 U	3700 U	4100 U	2000 U	3700 U	4000 U	2000 U
Acenaphthene	ug/Kg	410 U	770 U	840 U	410 U	760 U	820 U	410 U
2,4-Dinitrophenol	ug/Kg	2000 U	3700 U	4100 U	2000 U	3700 U	4000 U	2000 U
4-Nitrophenol	ug/Kg	2000 U	3700 U	4100 U	2000 U	3700 U	4000 U	2000 U
Dibenzofuran	ug/Kg	410 U	770 U	840 U	410 U	760 U	820 U	410 U
2,4-Dinitrotoluene	ug/Kg	410 U	770 U	840 U	780	760 U	820 U	410 U
Diethylphthalate	ug/Kg	410 U	94 J	840 U	410 U	760 U	820 U	410 U
4-Chlorophenyl-phenylether	ug/Kg	410 U	770 U	840 U	410 U	760 U	820 U	410 U
Fluorene	ug/Kg	410 U	770 U	840 U	410 U	760 U	820 U	410 U
4-Nitroaniline	ug/Kg	2000 U	3700 U	4100 U	2000 U	3700 U	4000 U	2000 U
4,6-Dinitro-2-methylphenol	ug/Kg	2000 U	3700 U	4100 U	2000 U	3700 U	4000 U	2000 U
N-Nitrosodiphenylamine (1)	ug/Kg	410 U	770 U	840 U	260 J	760 U	820 U	410 U
4-Bromophenyl-phenylether	ug/Kg	410 U	770 U	840 U	410 U	760 U	820 U	410 U
Hexachlorobenzene	ug/Kg	410 U	770 U	840 U	90 J	760 U	820 U	410 U
Pentachlorobenzene	ug/Kg	2000 U	3700 U	4100 U	2000 U	3700 U	4000 U	2000 U
Phenanthrene	ug/Kg	410 U	770 U	840 U	410 U	760 U	820 U	410 U
Anthracene	ug/Kg	410 U	770 U	840 U	410 U	760 U	820 U	410 U
Di-n-butylphthalate	ug/Kg	410 U	770 U	840 U	73 J	760 U	820 U	410 U
Fluoranthene	ug/Kg	410 U	770 U	840 U	410 U	760 U	820 U	410 U
Pyrene	ug/Kg	410 U	770 U	840 U	410 U	760 U	820 U	410 U
Butylbenzylphthalate	ug/Kg	410 U	770 U	840 U	410 U	760 U	820 U	410 U
3,3'-Dichlorobenzidine	ug/Kg	820 U	1500 U	1700 U	830 U	1500 U	1600 U	820 U
Benzo(a)anthracene	ug/Kg	410 U	770 U	840 U	410 U	760 U	820 U	410 U
Chrysene	ug/Kg	410 U	770 U	840 U	410 U	760 U	820 U	410 U
bis(2-Ethylhexyl)phthalate	ug/Kg	410 U	770 U	840 U	410 U	760 U	820 U	410 U
Di-n-octylphthalate	ug/Kg	410 U	770 U	840 U	410 U	760 U	820 U	410 U
Benzo(b)fluoranthene	ug/Kg	410 U	770 U	840 U	410 U	760 U	820 U	410 U
benzo(k)fluoranthene	ug/Kg	410 U	770 U	840 U	410 U	760 U	820 U	410 U
Benzo(a)pyrene	ug/Kg	410 U	770 U	840 U	410 U	760 U	820 U	410 U
Indeno(1,2,3-cd)pyrene	ug/Kg	410 U	770 U	840 U	410 U	760 U	820 U	410 U
Dibenz(a,h)anthracene	ug/Kg	410 U	770 U	840 U	410 U	760 U	820 U	410 U
Benzo(g,h,i)perylene	ug/Kg	410 U	770 U	840 U	410 U	760 U	820 U	410 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SEMI-VOLATILE ORGANIC RESULTS

MATRIX LOCATION	SOIL GB-9	SOIL GB-10	SOIL GB-10	SOIL GB-10	SOIL GB-11	SOIL GB-11	SOIL GB-11	SOIL GB-11
DEPTH	2-4'	0-6"	2-4'	2-4'	0-6"	0-6"	0-6"	2-4'
DATE	12/10/91	12/11/91	12/11/91	12/11/91	12/10/91	12/10/91	12/11/91	12/11/91
MAIN ID	GB-09-3	GB-10-1	GB-10-3	GB-10-3	GB-09-3	GB-11-1	GB-11-1RE	GB-11-3
LAB ID	150584	150780	150782	150584	150682	150682	150682	150684
COMPOUND	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
3-Nitroaniline	ug/Kg	3600 U	3800 U	3500 U	3600 U	4100 U	2000 U	3400 U
Acenaphthene	ug/Kg	730 U	790 U	730 U	730 U	850 U	420 U	700 U
2,4-Dinitrophenol	ug/Kg	3600 U	3800 U	3500 U	3600 U	4100 U	2000 U	3400 U
4-Nitrophenol	ug/Kg	3600 U	3800 U	3500 U	3600 U	4100 U	2000 U	3400 U
Dibenzofuran	ug/Kg	730 U	790 U	730 U	730 U	850 U	420 U	700 U
2,4-Dinitrotoluene	ug/Kg	730 U	790 U	730 U	730 U	850 U	420 U	700 U
Diethylphthalate	ug/Kg	730 U	790 U	730 U	730 U	850 U	420 U	700 U
4-Chlorophenyl-phenylether	ug/Kg	730 U	790 U	730 U	730 U	850 U	420 U	700 U
Fluorene	ug/Kg	730 U	790 U	730 U	730 U	850 U	420 U	700 U
4-Nitroaniline	ug/Kg	3600 U	3800 U	3500 U	3600 U	4100 U	2000 U	3400 U
4,6-Dinitro-2-methylphenol	ug/Kg	3600 U	3800 U	3500 U	3600 U	4100 U	2000 U	3400 U
N-Nitrosodiphenylamine (1)	ug/Kg	730 U	790 U	730 U	730 U	850 U	420 U	700 U
4-Bromophenyl-phenylether	ug/Kg	730 U	790 U	730 U	730 U	850 U	420 U	700 U
Hexachlorobenzene	ug/Kg	730 U	790 U	730 U	730 U	850 U	420 U	700 U
Pentachloropend	ug/Kg	3600 U	3800 U	3500 U	3600 U	4100 U	2000 U	3400 U
Phenanthrene	ug/Kg	730 U	790 U	730 U	730 U	850 U	420 U	700 U
Anthracene	ug/Kg	730 U	790 U	730 U	730 U	850 U	420 U	700 U
Di-n-butylphthalate	ug/Kg	730 U	790 U	730 U	730 U	850 U	420 U	700 U
Fluoranthene	ug/Kg	730 U	790 U	730 U	730 U	850 U	420 U	700 U
Pyrene	ug/Kg	730 U	790 U	730 U	730 U	850 U	420 U	700 U
Butylbenzylphthalate	ug/Kg	730 U	790 U	730 U	730 U	850 U	420 U	700 U
3,3'-Dichlorobenzidine	ug/Kg	1500 U	1600 U	1500 U	1500 U	1700 U	840 U	1400 U
Benzo(a)anthracene	ug/Kg	730 U	790 U	730 U	730 U	850 U	420 U	700 U
Chrysene	ug/Kg	730 U	790 U	730 U	730 U	850 U	420 U	700 U
bis(2-Ethylhexyl)phthalate	ug/Kg	730 U	790 U	730 U	730 U	850 U	100 BJ	700 U
Di-n-octylphthalate	ug/Kg	730 U	790 U	730 U	730 U	850 U	420 U	700 U
Benzo(b)fluoranthene	ug/Kg	730 U	790 U	730 U	730 U	850 U	420 U	700 U
benzo(k)fluoranthene	ug/Kg	730 U	790 U	730 U	730 U	850 U	420 U	700 U
Benzo(a)pyrene	ug/Kg	730 U	790 U	730 U	730 U	850 U	420 U	700 U
Indeno(1,2,3-cd)pyrene	ug/Kg	730 U	790 U	730 U	730 U	850 U	420 U	700 U
Dibenz(a,h)anthracene	ug/Kg	730 U	790 U	730 U	730 U	850 U	420 U	700 U
Benzo(g,h,i)perylene	ug/Kg	730 U	790 U	730 U	730 U	850 U	420 U	700 U

SENECA ARMY DEPOT
OB GROUND

GRID BORINGS
SEMI-VOLATILE ORGANIC RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-12	GB-12	GB-12	GB-12	GB-12	GB-13	GB-13
	DEPTH	0-6"	0-6"	0-2'	0-2'	0-2'	0-6"	0-2'
	DATE	12/16/91	12/16/91	12/16/91	12/16/91	12/16/91		
	MAIN ID	GB-12-1	GB-12-1A	GB-12-2	GB-12-2A	GB-12-2RE	GB-13-1	GB-13-2
	LAB ID	151121	151122	151123	151124	151123	152902	152903
	UNITS							
3-Nitroaniline	ug/Kg	3800 U	4000 U	3900 U	3900 U	3900 U	5000 U	3900 U
Acenaphthene	ug/Kg	790 U	820 U	810 U	790 U	810 U	1000 U	810 U
2,4-Dinitrophenol	ug/Kg	3800 U	4000 U	3900 U	3900 U	3900 U	5000 U	3900 U
4-Nitrophenol	ug/Kg	3800 U	4000 U	3900 U	3900 U	3900 U	5000 U	3900 U
Dibenzofuran	ug/Kg	790 U	820 U	810 U	790 U	810 U	1000 U	810 U
2,4-Dinitrotoluene	ug/Kg	130 J	820 U	810 U	790 U	810 U	260 J	810 U
Diethylphthalate	ug/Kg	790 U	820 U	810 U	790 U	810 U	1000 U	810 U
4-Chlorophenyl-phenylether	ug/Kg	790 U	820 U	810 U	790 U	810 U	1000 U	810 U
Fluorene	ug/Kg	790 U	820 U	810 U	790 U	810 U	1000 U	810 U
4-Nitroaniline	ug/Kg	3800 U	4000 U	3900 U	3900 U	3900 U	5000 U	3900 U
4,6-Dinitro-2-methylphenol	ug/Kg	3800 U	4000 U	3900 U	3900 U	3900 U	5000 U	3900 U
N-Nitrosodiphenylamine (1)	ug/Kg	790 U	820 U	810 U	790 U	810 U	130 J	810 U
4-Bromophenyl-phenylether	ug/Kg	790 U	820 U	810 U	790 U	810 U	1000 U	810 U
Hexachlorobenzene	ug/Kg	790 U	820 U	810 U	790 U	810 U	1000 U	810 U
Pentachlorophenol	ug/Kg	3800 U	4000 U	3900 U	3900 U	3900 U	5000 U	3900 U
Phenanthrene	ug/Kg	790 U	820 U	810 U	790 U	810 U	1000 U	810 U
Anthracene	ug/Kg	790 U	820 U	810 U	790 U	810 U	1000 U	810 U
Di-n-butylphthalate	ug/Kg	490 J	460 J	86 J	180 J	810 U	1000 U	110 J
Fluoranthene	ug/Kg	790 U	820 U	810 U	790 U	810 U	1000 U	810 U
Pyrene	ug/Kg	790 U	820 U	810 U	790 U	810 U	1000 U	810 U
Butylbenzylphthalate	ug/Kg	790 U	820 U	810 U	790 U	810 U	1000 U	810 U
3,3'-Dichlorobenzidine	ug/Kg	1600 U	1600 U	1600 U	1600 U	1600 U	2100 U	1600 U
Benzo(a)anthracene	ug/Kg	790 U	820 U	810 U	790 U	810 U	1000 U	810 U
Chrysene	ug/Kg	790 U	820 U	810 U	790 U	810 U	1000 U	810 U
bis(2-Ethylhexyl)phthalate	ug/Kg	260 J	820 U	810 U	790 U	810 U	520 J	290 J
Di-n-octylphthalate	ug/Kg	790 U	820 U	810 U	790 U	810 U	1000 U	810 U
Benzo(b)fluoranthene	ug/Kg	790 U	820 U	810 U	790 U	810 U	1000 U	810 U
Benzo(k)fluoranthene	ug/Kg	790 U	820 U	810 U	790 U	810 U	1000 U	810 U
Benzo(a)pyrene	ug/Kg	790 U	820 U	810 U	790 U	810 U	1000 U	810 U
Indeno(1,2,3-cd)pyrene	ug/Kg	790 U	820 U	810 U	790 U	810 U	1000 U	810 U
Dibenz(a,h)anthracene	ug/Kg	790 U	820 U	810 U	790 U	810 U	1000 U	810 U
Benzo(g,h,i)perylene	ug/Kg	790 U	820 U	810 U	790 U	810 U	1000 U	810 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SEMI-VOLATILE ORGANIC RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-14	GB-14	GB-14	GB-14	GB-14	GB-15	GB-15
	DEPTH	0-6"	0-6"	0-6"	0-2'	0-2'	0-6"	0-2'
	DATE	12/16/91	12/16/91	12/16/91	12/16/91	12/16/91	12/16/91	12/16/91
	MAIN ID	GB-14-1	GB-14-1A	GB-14-1ARI	GB-14-2	GB-14-2A	GB-15-1	GB-15-2
	LAB ID	151131	151132	151132	151133	151134	152906	152907
	UNITS							
3-Nitroaniline	ug/Kg	3600 U	3500 U	3500 U	3800 U	3700 U	4300 U	3700 U
Acenaphthene	ug/Kg	740 U	730 U	730 U	770 U	760 U	880 U	770 U
2,4-Dinitrophenol	ug/Kg	3600 U	3500 U	3500 U	3800 U	3700 U	4300 U	3700 U
4-Nitrophenol	ug/Kg	3600 U	3500 U	3500 U	3800 U	3700 U	4300 U	3700 U
Dibenzofuran	ug/Kg	740 U	730 U	730 U	770 U	760 U	880 U	770 U
2,4-Dinitrotoluene	ug/Kg	150 J	730 U	260 J	770 U	760 U	880 U	770 U
Diethylphthalate	ug/Kg	740 U	730 U	730 U	770 U	760 U	880 U	770 U
4-Chlorophenyl-phenylether	ug/Kg	740 U	730 U	730 U	770 U	760 U	880 U	770 U
Fluorene	ug/Kg	740 U	730 U	730 U	770 U	760 U	880 U	770 U
4-Nitroaniline	ug/Kg	3600 U	3500 U	3500 U	3800 U	3700 U	4300 U	3700 U
4,6-Dinitro-2-methylphenol	ug/Kg	3600 U	3500 U	3500 U	3800 U	3700 U	4300 U	3700 U
N-Nitrosodiphenylamine (1)	ug/Kg	740 U	730 U	730 U	770 U	760 U	880 U	770 U
4-Bromophenyl-phenylether	ug/Kg	740 U	730 U	730 U	770 U	760 U	880 U	770 U
Hexachlorobenzene	ug/Kg	740 U	730 U	730 U	770 U	760 U	880 U	770 U
Pentachlorophenol	ug/Kg	3600 U	3500 U	3500 U	3800 U	3700 U	4300 U	3700 U
Phenanthrene	ug/Kg	740 U	730 U	730 U	770 U	760 U	880 U	770 U
Anthracene	ug/Kg	740 U	730 U	730 U	770 U	760 U	880 U	770 U
Di-n-butylphthalate	ug/Kg	740 U	730 U	730 U	770 U	760 U	880 U	770 U
Fluoranthene	ug/Kg	740 U	730 U	730 U	770 U	760 U	880 U	770 U
Pyrene	ug/Kg	740 U	730 U	730 U	770 U	760 U	880 U	770 U
Butylbenzylphthalate	ug/Kg	740 U	730 U	730 U	770 U	760 U	880 U	770 U
3,3'-Dichlorobenzidine	ug/Kg	1500 U	1500 U	1500 U	1500 U	1500 U	1800 U	1500 U
Benzo(a)anthracene	ug/Kg	740 U	730 U	730 U	770 U	760 U	880 U	770 U
Chrysene	ug/Kg	740 U	730 U	730 U	770 U	760 U	880 U	770 U
bis(2-Ethylhexyl)phthalate	ug/Kg	740 U	730 U	730 U	770 U	760 U	620 J	970
Di-n-octylphthalate	ug/Kg	740 U	730 U	730 U	770 U	760 U	880 U	770 U
Benzo(b)fluoranthene	ug/Kg	740 U	730 U	730 U	770 U	760 U	880 U	770 U
benzo(k)fluoranthene	ug/Kg	740 U	730 U	730 U	770 U	760 U	880 U	770 U
Benzo(a)pyrene	ug/Kg	740 U	730 U	730 U	770 U	760 U	880 U	770 U
Indeno(1,2,3-cd)pyrene	ug/Kg	740 U	730 U	730 U	770 U	760 U	880 U	770 U
Dibenz(a,h)anthracene	ug/Kg	740 U	730 U	730 U	770 U	760 U	880 U	770 U
Benzo(g,h,i)perylene	ug/Kg	740 U	730 U	730 U	770 U	760 U	880 U	770 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SEMI-VOLATILE ORGANIC RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-16	GB-16	GB-17/MW21	GB-17/MW21	GB-18/MW19	GB-19	GB-20/MW29
	DEPTH	0-6"	0-2'	0-6"	0-2'	0-6"	0-6"	0-6"
	DATE			01/14/92	11/01/91	01/14/92	01/14/92	01/14/92
	MAIN ID	GB-16-1	GB-16-2	GB-17-1	S110105	GB-18-1	GB-19-1	GB-20-1
	LAB ID	152910	152911	152459	147955	152460	152461	152462
	UNITS							
3-Nitroaniline	ug/Kg	4200 U	3800 U	3900 U	3600 U	4700 U	4400 U	4400 U
Acenaphthene	ug/Kg	870 U	790 U	810 U	730 U	960 U	900 U	900 U
2,4-Dinitrophenol	ug/Kg	4200 U	3800 U	3900 U	3600 U	4700 U	4400 U	4400 U
4-Nitrophenol	ug/Kg	4200 U	3800 U	3900 U	3600 U	4700 U	4400 U	4400 U
Dibenzofuran	ug/Kg	870 U	790 U	810 U	730 U	960 U	900 U	900 U
2,4-Dinitrotoluene	ug/Kg	870 U	790 U	810 U	730 U	960 U	280 J	900 U
Diethylphthalate	ug/Kg	870 U	790 U	810 U	730 U	960 U	900 U	900 U
4-Chlorophenyl-phenylether	ug/Kg	870 U	790 U	810 U	730 U	960 U	900 U	900 U
Fluorene	ug/Kg	870 U	790 U	810 U	730 U	960 U	900 U	900 U
4-Nitroaniline	ug/Kg	4200 U	3800 U	3900 U	3600 U	4700 U	4400 U	4400 U
4,6-Dinitro-2-methylphenol	ug/Kg	4200 U	3800 U	3900 U	3600 U	4700 U	4400 U	4400 U
N-Nitrosodiphenylamine (1)	ug/Kg	870 U	790 U	810 U	730 U	960 U	900 U	900 U
4-Bromophenyl-phenylether	ug/Kg	870 U	790 U	810 U	730 U	960 U	900 U	900 U
Hexachlorobenzene	ug/Kg	870 U	790 U	810 U	730 U	960 U	900 U	900 U
Pentachlorophenol	ug/Kg	4200 U	3800 U	3900 U	3600 U	4700 U	4400 U	4400 U
Pbenanthrene	ug/Kg	870 U	790 U	810 U	730 U	960 U	900 U	900 U
Anthracene	ug/Kg	870 U	790 U	810 U	730 U	960 U	900 U	900 U
Di-n-butylphthalate	ug/Kg	870 U	790 U	810 U	730 U	960 U	900 U	900 U
Fluoranthene	ug/Kg	870 U	790 U	810 U	730 U	960 U	900 U	900 U
Pyrene	ug/Kg	870 U	790 U	810 U	730 U	960 U	900 U	900 U
Butylbenzylphthalate	ug/Kg	870 U	790 U	810 U	730 U	960 U	900 U	900 U
3,3'-Dichlorobenzidine	ug/Kg	1700 U	1600 U	1600 U	1500 U	1900 U	1800 U	1800 U
Benzo(a)anthracene	ug/Kg	870 U	790 U	810 U	730 U	960 U	900 U	900 U
Chrysene	ug/Kg	870 U	790 U	810 U	730 U	960 U	900 U	900 U
bis(2-Ethylhexyl)phthalate	ug/Kg	430 J	860	810 U	730 U	960 U	900 U	900 U
Di-n-octylphthalate	ug/Kg	870 U	790 U	810 U	730 U	960 U	900 U	900 U
Benzo(b)fluoranthene	ug/Kg	870 U	790 U	810 U	730 U	960 U	900 U	900 U
benzo(k)fluoranthene	ug/Kg	870 U	790 U	810 U	730 U	960 U	900 U	900 U
Benzo(a)pyrene	ug/Kg	870 U	790 U	810 U	730 U	960 U	900 U	900 U
Indeno(1,2,3-cd)pyrene	ug/Kg	870 U	790 U	810 U	730 U	960 U	900 U	900 U
Dibenz(a,h)anthracene	ug/Kg	870 U	790 U	810 U	730 U	960 U	900 U	900 U
Benzo(g,h,i)perylene	ug/Kg	870 U	790 U	810 U	730 U	960 U	900 U	900 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SEMI-VOLATILE ORGANIC RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL
	LOCATION	GB-20/MW29	MW-30	MW-34
	DEPTH	0-2'	0-2'	0-2'
	DATE	11/14/91	11/16/91	11/20/91
	MAIN ID	S1311106	S1411110MW3	S2011121MW3
	LAB ID	148877	149073	149410
	UNITS			
3-Nitroaniline	ug/Kg	3600 U	3900 U	3500 U
Acenaphthene	ug/Kg	750 U	790 U	730 U
2,4-Dinitrophenol	ug/Kg	3600 U	3900 U	3500 U
4-Nitrophenol	ug/Kg	3600 U	3900 U	3500 U
Dibenzofuran	ug/Kg	750 U	790 U	730 U
2,4-Dinitrotoluene	ug/Kg	750 U	790 U	730 U
Diethylphthalate	ug/Kg	750 U	790 U	730 U
4-Chlorophenyl-phenylether	ug/Kg	750 U	790 U	730 U
Fluorene	ug/Kg	750 U	790 U	730 U
4-Nitroaniline	ug/Kg	3600 U	3900 U	3500 U
4,6-Dinitro-2-methylphenol	ug/Kg	3600 U	3900 U	3500 U
N-Nitrosodiphenylamine (1)	ug/Kg	750 U	790 U	730 U
4-Bromophenyl-phenylether	ug/Kg	750 U	790 U	730 U
Hexachlorobenzene	ug/Kg	750 U	790 U	730 U
Pentachlorophenol	ug/Kg	3600 U	3900 U	3500 U
Phenanthrene	ug/Kg	750 U	790 U	730 U
Anthracene	ug/Kg	750 U	790 U	730 U
Di-n-butylphthalate	ug/Kg	750 U	790 U	730 U
Fluoranthene	ug/Kg	750 U	78 J	730 U
Pyrene	ug/Kg	750 U	120 J	730 U
Butylbenzylphthalate	ug/Kg	750 U	790 U	730 U
3,3'-Dichlorobenzidine	ug/Kg	1500 U	1600 U	1500 U
Benzo(a)anthracene	ug/Kg	750 U	790 U	730 U
Chrysene	ug/Kg	750 U	790 U	730 U
bis(2-Ethylhexyl)phthalate	ug/Kg	750 U	790 U	730 U
Di-n-octylphthalate	ug/Kg	750 U	790 U	730 U
Benzo(b)fluoranthene	ug/Kg	750 U	790 U	730 U
benzo(k)fluoranthene	ug/Kg	750 U	790 U	730 U
Benzo(a)pyrene	ug/Kg	750 U	790 U	730 U
Indeno(1,2,3-cd)pyrene	ug/Kg	750 U	790 U	730 U
Dibenz(a,h)anthracene	ug/Kg	750 U	790 U	730 U
Benzo(g,h,i)perylene	ug/Kg	750 U	790 U	730 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SEMI-VOLATILE ORGANIC RESULTS

COMPOUND	UNITS	MATRIX LOCATION	SOIL GB-01 0-6" 1260991 GB011 150647	SOIL GB-2 0-2" 1261991 GB02-2 150651	SOIL GB-2 0-2" 1260491 GB02-4 150165	SOIL GB-2 0-2" 1260491 GB02-4 150165	SOIL GB-2 0-2" 1260491 GB02-4 150165	SOIL GB-3 0-6" 1260491 GB03-1 150382	SOIL GB-3 0-2" 1260491 GB03-2 150184	SOIL GB-3 0-2" 1260491 GB03-2 150184	SOIL GB-3 0-2" 1260491 GB03-2 150184	SOIL GB-3 0-6" 1260491 GB03-2 150382	SOIL GB-3 0-2" 1260491 GB03-2 150184	SOIL GB-3 0-2" 1260491 GB03-2 150184	SOIL GB-4 0-6" 1260491 GB04-1 150383
Phenol	ug/Kg		790 U	790 U	770 U	770 U	770 U	760 U	790 U	790 U	790 U	760 U	790 U	790 U	780 U
1,2-Dichlorobenzene	ug/Kg		790 U	790 U	770 U	770 U	770 U	760 U	790 U	790 U	790 U	760 U	790 U	790 U	780 U
1,3-Dichlorobenzene	ug/Kg		790 U	790 U	770 U	770 U	770 U	760 U	790 U	790 U	790 U	760 U	790 U	790 U	780 U
1,4-Dichlorobenzene	ug/Kg		790 U	790 U	770 U	770 U	770 U	760 U	790 U	790 U	790 U	760 U	790 U	790 U	780 U
Benzyl Alcohol	ug/Kg		790 U	790 U	770 U	770 U	770 U	760 U	790 U	790 U	790 U	760 U	790 U	790 U	780 U
1,2-Dichloroethane	ug/Kg		790 U	790 U	770 U	770 U	770 U	760 U	790 U	790 U	790 U	760 U	790 U	790 U	780 U
2-Methylphenol	ug/Kg		790 U	790 U	770 U	770 U	770 U	760 U	790 U	790 U	790 U	760 U	790 U	790 U	780 U
4-Methylphenol	ug/Kg		790 U	790 U	770 U	770 U	770 U	760 U	790 U	790 U	790 U	760 U	790 U	790 U	780 U
N-Nitroso-di-n-propylamine	ug/Kg		790 U	790 U	770 U	770 U	770 U	760 U	790 U	790 U	790 U	760 U	790 U	790 U	780 U
Hexachlorocyclopentadiene	ug/Kg		790 U	790 U	770 U	770 U	770 U	760 U	790 U	790 U	790 U	760 U	790 U	790 U	780 U
Nitrobenzene	ug/Kg		790 U	790 U	770 U	770 U	770 U	760 U	790 U	790 U	790 U	760 U	790 U	790 U	780 U
Isophorone	ug/Kg		790 U	790 U	770 U	770 U	770 U	760 U	790 U	790 U	790 U	760 U	790 U	790 U	780 U
2-Nitrophenol	ug/Kg		790 U	790 U	770 U	770 U	770 U	760 U	790 U	790 U	790 U	760 U	790 U	790 U	780 U
2,4-Dinitrophenol	ug/Kg		3900 U	3900 U	3700 U	3700 U	3700 U	3700 U	3500 U	3500 U	3500 U	3700 U	3500 U	3500 U	3500 U
Benzoic acid	ug/Kg		790 U	790 U	770 U	770 U	770 U	760 U	790 U	790 U	790 U	760 U	790 U	790 U	780 U
1,2-Dichloroethane	ug/Kg		790 U	790 U	770 U	770 U	770 U	760 U	790 U	790 U	790 U	760 U	790 U	790 U	780 U
1,4-Dichlorobenzene	ug/Kg		790 U	790 U	770 U	770 U	770 U	760 U	790 U	790 U	790 U	760 U	790 U	790 U	780 U
Naphthalene	ug/Kg		790 U	790 U	770 U	770 U	770 U	760 U	790 U	790 U	790 U	760 U	790 U	790 U	780 U
4-Chloroaniline	ug/Kg		790 U	790 U	770 U	770 U	770 U	760 U	790 U	790 U	790 U	760 U	790 U	790 U	780 U
Hexachlorocyclopentadiene	ug/Kg		790 U	790 U	770 U	770 U	770 U	760 U	790 U	790 U	790 U	760 U	790 U	790 U	780 U
4-Chloro-3-methylphenol	ug/Kg		790 U	790 U	770 U	770 U	770 U	760 U	790 U	790 U	790 U	760 U	790 U	790 U	780 U
Hexachlorocyclopentadiene	ug/Kg		790 U	790 U	770 U	770 U	770 U	760 U	790 U	790 U	790 U	760 U	790 U	790 U	780 U
2,4,6-Trichlorophenol	ug/Kg		3900 U	3900 U	3700 U	3700 U	3700 U	3700 U	3500 U	3500 U	3500 U	3700 U	3500 U	3500 U	3500 U
2,4,5-Trichlorophenol	ug/Kg		790 U	790 U	770 U	770 U	770 U	760 U	790 U	790 U	790 U	760 U	790 U	790 U	780 U
2-Chlorophenol	ug/Kg		790 U	790 U	770 U	770 U	770 U	760 U	790 U	790 U	790 U	760 U	790 U	790 U	780 U
3-Nitroaniline	ug/Kg		790 U	790 U	770 U	770 U	770 U	760 U	790 U	790 U	790 U	760 U	790 U	790 U	780 U
Dimethylamine	ug/Kg		790 U	790 U	770 U	770 U	770 U	760 U	790 U	790 U	790 U	760 U	790 U	790 U	780 U
Azoxyphenylene	ug/Kg		790 U	790 U	770 U	770 U	770 U	760 U	790 U	790 U	790 U	760 U	790 U	790 U	780 U
2,6-Dichlorobenzene	ug/Kg		790 U	790 U	770 U	770 U	770 U	760 U	790 U	790 U	790 U	760 U	790 U	790 U	780 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SEMI-VOLATILE ORGANIC RESULTS

COMPOUND	UNITS	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		LOCATION	GB-4	GB-5	GB-5	GB-6	GB-6	GB-7	GB-7
		DEPTH	6' +	0-6'	0-2'	0-6'	6' +	0-6'	0-6'
		DATE	12/06/91	12/06/91	12/05/92	12/06/91	12/06/91	12/09/91	12/09/91
		MAIN ID	GB04-5	GB05-1	GB05-2	GB06-1	GB06-5	GB-07-1	GB-07-1RE
		LAB ID	150387	150388	150389	150391	150395	150373	150373
Phenol	ug/Kg		750 U	800 U	760 U	780 U	800 U	830 U	410 U
bis(2-Chloroethyl) ether	ug/Kg		750 U	800 U	760 U	780 U	800 U	830 U	410 U
2-Chlorophenol	ug/Kg		750 U	800 U	760 U	780 U	800 U	830 U	410 U
1,3-Dichlorobenzene	ug/Kg		750 U	800 U	760 U	780 U	800 U	830 U	410 U
1,4-Dichlorobenzene	ug/Kg		750 U	800 U	760 U	780 U	800 U	830 U	410 U
Benzyl Alcohol	ug/Kg		750 U	800 U	760 U	780 U	800 U	830 U	410 U
1,2-Dichlorobenzene	ug/Kg		750 U	800 U	760 U	780 U	800 U	830 U	410 U
2-Methylphenol	ug/Kg		750 U	800 U	760 U	780 U	800 U	830 U	410 U
bis(2-Chloroisopropyl) ether	ug/Kg		750 U	800 U	760 U	780 U	800 U	830 U	410 U
4-Methylphenol	ug/Kg		750 U	800 U	760 U	780 U	800 U	830 U	410 U
N-Nitroso-di-n-propylamine	ug/Kg		750 U	800 U	760 U	780 U	800 U	830 U	410 U
Hexachloroethane	ug/Kg		750 U	800 U	760 U	780 U	800 U	830 U	410 U
Nitrobenzene	ug/Kg		750 U	800 U	760 U	780 U	800 U	830 U	410 U
Isophrene	ug/Kg		750 U	800 U	760 U	780 U	800 U	830 U	410 U
2-Nitrophenol	ug/Kg		750 U	800 U	760 U	780 U	800 U	830 U	410 U
2,4-Dimethylphenol	ug/Kg		750 U	800 U	760 U	780 U	800 U	830 U	410 U
Benzoic acid	ug/Kg		3600 U	3900 U	3700 U	3800 U	3900 U	4000 U	2000 U
bis(2-Chloroethoxy) methane	ug/Kg		750 U	800 U	760 U	780 U	800 U	830 U	410 U
2,4-Dichlorophenol	ug/Kg		750 U	800 U	760 U	780 U	800 U	830 U	410 U
1,2,4-Trichlorobenzene	ug/Kg		750 U	800 U	760 U	780 U	800 U	830 U	410 U
Naphthalene	ug/Kg		750 U	800 U	760 U	780 U	800 U	830 U	410 U
4-Chloroaniline	ug/Kg		750 U	800 U	760 U	780 U	800 U	830 U	410 U
Hexachlorobutadiene	ug/Kg		750 U	800 U	760 U	780 U	800 U	830 U	410 U
4-Chloro-3-methylphenol	ug/Kg		750 U	800 U	760 U	780 U	800 U	830 U	410 U
2-Methylnaphthalene	ug/Kg		750 U	800 U	760 U	780 U	800 U	830 U	410 U
Hexachlorocyclopentadiene	ug/Kg		750 U	800 U	760 U	780 U	800 U	830 U	410 U
2,4,6-Trichlorophenol	ug/Kg		750 U	800 U	760 U	780 U	800 U	830 U	410 U
2,4,5-Trichlorophenol	ug/Kg		3600 U	3900 U	3700 U	3800 U	3900 U	4000 U	2000 U
2-Chloronaphthalene	ug/Kg		750 U	800 U	760 U	780 U	800 U	830 U	410 U
2-Nitroaniline	ug/Kg		3600 U	3900 U	3700 U	3800 U	3900 U	4000 U	2000 U
Dimethylphthalate	ug/Kg		750 U	800 U	760 U	780 U	800 U	830 U	410 U
Asenaphthylene	ug/Kg		750 U	800 U	760 U	780 U	800 U	830 U	410 U
2,6-Dinitrotoluene	ug/Kg		750 U	800 U	760 U	780 U	800 U	830 U	410 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SEMI-VOLATILE ORGANIC RESULTS

COMPOUND	UNITS	MATRIX LOCATION DEPTH	SOIL GB-7 0-2'	SOIL GB-8 0-6"	SOIL GB-8 0-6"	SOIL GB-8 4-6'	SOIL GB-9 0-6"	SOIL GB-9 0-6"	SOIL GB-9 0-6"	SOIL GB-9 2-4'
		DATE	12/09/91	12/09/91	12/09/91	12/09/91	12/09/91	12/09/91	12/09/91	12/09/91
		MAIN ID	GB-07-2	GB-04-1	GB-04-1RE	GB-08-4	GB-09-1	GB-09-1RE	GB-09-3	
		LAB ID	150574	150577	150577	150580	150582	150582	150584	
Phenol	ug/Kg		770 U	840 U	410 U	760 U	820 U	410 U	790 U	
1,2-Dichloroethane	ug/Kg		770 U	840 U	410 U	760 U	820 U	410 U	790 U	
1,3-Dichlorobenzene	ug/Kg		770 U	840 U	410 U	760 U	820 U	410 U	790 U	
1,4-Dichlorobenzene	ug/Kg		770 U	840 U	410 U	760 U	820 U	410 U	790 U	
Benzyl Alcohol	ug/Kg		770 U	840 U	410 U	760 U	820 U	410 U	790 U	
1,2-Dichlorobenzene	ug/Kg		770 U	840 U	410 U	760 U	820 U	410 U	790 U	
2-Methylphenol	ug/Kg		770 U	840 U	410 U	760 U	820 U	410 U	790 U	
1,2-Dichloroethane	ug/Kg		770 U	840 U	410 U	760 U	820 U	410 U	790 U	
4-Methylphenol	ug/Kg		770 U	840 U	410 U	760 U	820 U	410 U	790 U	
N-Nitroso-di-n-propylamine	ug/Kg		770 U	840 U	410 U	760 U	820 U	410 U	790 U	
Hexachlorocyclohexane	ug/Kg		770 U	840 U	410 U	760 U	820 U	410 U	790 U	
Nitrobenzene	ug/Kg		770 U	840 U	410 U	760 U	820 U	410 U	790 U	
Isophenanthrene	ug/Kg		770 U	840 U	410 U	760 U	820 U	410 U	790 U	
2-Nitrophenol	ug/Kg		770 U	840 U	410 U	760 U	820 U	410 U	790 U	
2,4-Dinitrophenol	ug/Kg		770 U	840 U	410 U	760 U	820 U	410 U	790 U	
Benzic acid	ug/Kg		3700 U	4100 U	2000 U	3700 U	4000 U	2000 U	3400 U	
1,2-Dichloroethane	ug/Kg		770 U	840 U	410 U	760 U	820 U	410 U	790 U	
1,4-Dichlorobenzene	ug/Kg		770 U	840 U	410 U	760 U	820 U	410 U	790 U	
Naphthalene	ug/Kg		770 U	840 U	410 U	760 U	820 U	410 U	790 U	
4-Chlorophenol	ug/Kg		770 U	840 U	410 U	760 U	820 U	410 U	790 U	
Hexachlorobenzene	ug/Kg		770 U	840 U	410 U	760 U	820 U	410 U	790 U	
4-Chloro-3-methylphenol	ug/Kg		770 U	840 U	410 U	760 U	820 U	410 U	790 U	
2-Methylphenanthrene	ug/Kg		770 U	840 U	410 U	760 U	820 U	410 U	790 U	
Hexachlorocyclopentadiene	ug/Kg		770 U	840 U	410 U	760 U	820 U	410 U	790 U	
2,4,6-Trichlorophenol	ug/Kg		3700 U	4100 U	2000 U	3700 U	4000 U	2000 U	3400 U	
2,4,5-Trichlorophenol	ug/Kg		770 U	840 U	410 U	760 U	820 U	410 U	790 U	
2-Chlorophenanthrene	ug/Kg		3700 U	4100 U	2000 U	3700 U	4000 U	2000 U	3400 U	
2-Nitroanthracene	ug/Kg		770 U	840 U	410 U	760 U	820 U	410 U	790 U	
Dinitrophenol	ug/Kg		770 U	840 U	410 U	760 U	820 U	410 U	790 U	
Azoxypiphenol	ug/Kg		770 U	840 U	410 U	760 U	820 U	410 U	790 U	
2,6-Dichlorobenzene	ug/Kg		770 U	840 U	410 U	760 U	820 U	410 U	790 U	

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SEMI-VOLATILE ORGANIC RESULTS

COMPOUND	UNITS	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		LOCATION	GB-10	GB-10	GB-11	GB-11	GB-11	GB-11	GB-12
		DEPTH	0-6"	2' +	0-6"	0-6"	2-4'	0-6"	0-6"
		DATE	12/11/91	12/11/91	12/10/91	12/10/91	12/10/91	12/16/91	12/16/91
		MAIN ID	GB-10-1	GB-10-3	GB-11-1	GB-11-1RE	GB-11-3	GB-12-1	GB-12-1A
		LAB ID	150780	150782	150682	150682	150684	151121	151122
Phenol	ug/Kg		790 U	730 U	850 U	420 U	700 U	790 U	820 U
bi(2-Chloroethyl) ether	ug/Kg		790 U	730 U	850 U	420 U	700 U	790 U	820 U
2-Chlorophenol	ug/Kg		790 U	730 U	850 U	420 U	700 U	790 U	820 U
1,3-Dichlorobenzene	ug/Kg		790 U	730 U	850 U	420 U	700 U	790 U	820 U
1,4-Dichlorobenzene	ug/Kg		790 U	730 U	850 U	420 U	700 U	790 U	820 U
Benzyl Alcohol	ug/Kg		790 U	730 U	850 U	420 U	700 U	790 U	820 U
1,2-Dichlorobenzene	ug/Kg		790 U	730 U	850 U	420 U	700 U	790 U	820 U
2-Methylphenol	ug/Kg		790 U	730 U	850 U	420 U	700 U	790 U	820 U
bi(2-Chloroisopropyl) ether	ug/Kg		790 U	730 U	850 U	420 U	700 U	790 U	820 U
4-Methylphenol	ug/Kg		790 U	730 U	850 U	420 U	700 U	790 U	820 U
N-Nitroso-di-n-propylamine	ug/Kg		790 U	730 U	850 U	420 U	700 U	790 U	820 U
Hexachloro ethane	ug/Kg		790 U	730 U	850 U	420 U	700 U	790 U	820 U
Nitro benzene	ug/Kg		790 U	730 U	850 U	420 U	700 U	790 U	820 U
Isophorone	ug/Kg		790 U	730 U	850 U	420 U	700 U	790 U	820 U
2-Nitrophenol	ug/Kg		790 U	730 U	850 U	420 U	700 U	790 U	820 U
2,4-Dimethylphenol	ug/Kg		790 U	730 U	850 U	420 U	700 U	790 U	820 U
Benzoic acid	ug/Kg		3800 U	3500 U	4100 U	2000 U	3400 U	3800 U	4000 U
bi(2-Chloroethoxy) methane	ug/Kg		790 U	730 U	850 U	420 U	700 U	790 U	820 U
2,4-Dichlorophenol	ug/Kg		790 U	730 U	850 U	420 U	700 U	790 U	820 U
1,2,4-Trichlorobenzene	ug/Kg		790 U	730 U	850 U	420 U	700 U	790 U	820 U
Naphthalene	ug/Kg		790 U	730 U	850 U	420 U	700 U	790 U	820 U
4-Chloroaniline	ug/Kg		790 U	730 U	850 U	420 U	700 U	790 U	820 U
Hexachloro butadiene	ug/Kg		790 U	730 U	850 U	420 U	700 U	790 U	820 U
4-Chloro-3-methylphenol	ug/Kg		790 U	730 U	850 U	420 U	700 U	790 U	820 U
2-Methylnaphthalene	ug/Kg		790 U	730 U	850 U	420 U	700 U	790 U	820 U
Hexachlorocyclopentadiene	ug/Kg		790 U	730 U	850 U	420 U	700 U	790 U	820 U
2,4,6-Trichlorophenol	ug/Kg		790 U	730 U	850 U	420 U	700 U	790 U	820 U
2,4,5-Trichlorophenol	ug/Kg		3800 U	3500 U	4100 U	2000 U	3400 U	3800 U	4000 U
2-Chloronaphthalene	ug/Kg		790 U	730 U	850 U	420 U	700 U	790 U	820 U
2-Nitroaniline	ug/Kg		3800 U	3500 U	4100 U	2000 U	3400 U	3800 U	4000 U
Dimethylphalate	ug/Kg		790 U	730 U	850 U	420 U	700 U	790 U	820 U
Acenaphthylene	ug/Kg		790 U	730 U	850 U	420 U	700 U	790 U	820 U
2,6-Dinitrotoluene	ug/Kg		790 U	730 U	850 U	420 U	700 U	790 U	820 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SEMI-VOLATILE ORGANIC RESULTS

COMPOUND	MATRIX LOCATION DEPTH DATE MAN ID LAB ID	SOIL GB-12 0-2' 12/16/91 GB-12-2 151123	SOIL GB-12 0-2' 12/16/91 GB-12-2A 151124	SOIL GB-12 0-2' 12/16/91 GB-12-2RE 151123	SOIL GB-13 0-6" 12/03/91 GB013 150049	SOIL GB-13 0-6" 01/22/92 GB-13-1 152902	SOIL GB-13 0-2' 01/22/92 GB-13-2 152903	SOIL GB-14 0-6" 12/16/91 GB-14-1 151131
Phenol	ug/Kg	810 U	790 U	810 U	730 U	1000 U	810 U	740 U
bis(2-Chloroethyl) ether	ug/Kg	810 U	790 U	810 U	730 U	1000 U	810 U	740 U
2-Chlorophenol	ug/Kg	810 U	790 U	810 U	730 U	1000 U	810 U	740 U
1,3-Dichlorobenzene	ug/Kg	810 U	790 U	810 U	730 U	1000 U	810 U	740 U
1,4-Dichlorobenzene	ug/Kg	810 U	790 U	810 U	730 U	1000 U	810 U	740 U
Benzyl Alcohol	ug/Kg	810 U	790 U	810 U	730 U	1000 U	810 U	740 U
1,2-Dichlorobenzene	ug/Kg	810 U	790 U	810 U	730 U	1000 U	810 U	740 U
2-Methylphenol	ug/Kg	810 U	790 U	810 U	730 U	1000 U	810 U	740 U
bis(2-Chloroisopropyl) ether	ug/Kg	810 U	790 U	810 U	730 U	1000 U	810 U	740 U
4-Methylphenol	ug/Kg	810 U	790 U	810 U	730 U	1000 U	810 U	740 U
N-Nitroso-di-n-propylamine	ug/Kg	810 U	790 U	810 U	730 U	1000 U	810 U	740 U
Hexachloroethane	ug/Kg	810 U	790 U	810 U	730 U	1000 U	810 U	740 U
Nitrobenzene	ug/Kg	810 U	790 U	810 U	730 U	1000 U	810 U	740 U
Isophorone	ug/Kg	810 U	790 U	810 U	730 U	1000 U	810 U	740 U
2-Nitrophenol	ug/Kg	810 U	790 U	810 U	730 U	1000 U	810 U	740 U
2,4-Dimethylphenol	ug/Kg	810 U	790 U	810 U	730 U	1000 U	810 U	740 U
Benzoic acid	ug/Kg	3900 U	3900 U	3900 U	3500 U	5000 U	3900 U	3600 U
bis(2-Chloroethoxy) methane	ug/Kg	810 U	790 U	810 U	730 U	1000 U	810 U	740 U
2,4-Dichlorophenol	ug/Kg	810 U	790 U	810 U	730 U	1000 U	810 U	740 U
1,2,4-Trichlorobenzene	ug/Kg	810 U	790 U	810 U	730 U	1000 U	810 U	740 U
Naphthalene	ug/Kg	810 U	790 U	810 U	730 U	1000 U	810 U	740 U
4-Chloroaniline	ug/Kg	810 U	790 U	810 U	730 U	1000 U	810 U	740 U
Hexachlorobutadiene	ug/Kg	810 U	790 U	810 U	730 U	1000 U	810 U	740 U
4-Chloro-3-methylphenol	ug/Kg	810 U	790 U	810 U	730 U	1000 U	810 U	740 U
2-Methylsophthalene	ug/Kg	810 U	790 U	810 U	730 U	1000 U	810 U	740 U
Hexachlorocyclopentadiene	ug/Kg	810 U	790 U	810 U	730 U	1000 U	810 U	740 U
2,4,6-Trichlorophenol	ug/Kg	810 U	790 U	810 U	730 U	1000 U	810 U	740 U
2,4,5-Trichlorophenol	ug/Kg	3900 U	3900 U	3900 U	3500 U	5000 U	3900 U	3600 U
2-Chloronaphthalene	ug/Kg	810 U	790 U	810 U	730 U	1000 U	810 U	740 U
2-Nitroaniline	ug/Kg	3900 U	3900 U	3900 U	3500 U	5000 U	3900 U	3600 U
Dimethylphthalate	ug/Kg	810 U	790 U	810 U	730 U	1000 U	810 U	740 U
Azoxyphthalene	ug/Kg	810 U	790 U	810 U	730 U	1000 U	810 U	740 U
2,6-Dinitrotoluene	ug/Kg	810 U	790 U	810 U	730 U	1000 U	810 U	740 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SEMI-VOLATILE ORGANIC RESULTS

COMPOUND	UNITS	MATRIX LOCATION DEPTH DATE MAIN ID LAB ID	SOIL GB-14 0-6" 121691 151132	SOIL GB-14 0-6" 121691 151133	SOIL GB-14 0-6" 121691 151134	SOIL GB-15 0-6" 012292 152904	SOIL GB-15 0-6" 012292 152907	SOIL GB-16 0-6" 012292 152910
Phenol	ug/kg		730 U	770 U	760 U	880 U	770 U	870 U
bi(2-Chloroethyl) ether	ug/kg		730 U	770 U	760 U	880 U	770 U	870 U
2-Chlorophenol	ug/kg		730 U	770 U	760 U	880 U	770 U	870 U
1,3-Dichlorobenzene	ug/kg		730 U	770 U	760 U	880 U	770 U	870 U
1,4-Dichlorobenzene	ug/kg		730 U	770 U	760 U	880 U	770 U	870 U
Benzyl Alcohol	ug/kg		730 U	770 U	760 U	880 U	770 U	870 U
1,2-Dichlorobenzene	ug/kg		730 U	770 U	760 U	880 U	770 U	870 U
2-Methylphenol	ug/kg		730 U	770 U	760 U	880 U	770 U	870 U
bi(2-Chloroethyl) ether	ug/kg		730 U	770 U	760 U	880 U	770 U	870 U
4-Methylphenol	ug/kg		730 U	770 U	760 U	880 U	770 U	870 U
N-Nitroso-di-n-propylamine	ug/kg		730 U	770 U	760 U	880 U	770 U	870 U
Nitrobenzene	ug/kg		730 U	770 U	760 U	880 U	770 U	870 U
Isoprene	ug/kg		730 U	770 U	760 U	880 U	770 U	870 U
2-Nitrophenol	ug/kg		730 U	770 U	760 U	880 U	770 U	870 U
2,4-Dimethylphenol	ug/kg		3500 U	3800 U	3700 U	4500 U	3700 U	4200 U
Benzoic acid	ug/kg		730 U	770 U	760 U	880 U	770 U	870 U
bi(2-Chloroethyl) methane	ug/kg		730 U	770 U	760 U	880 U	770 U	870 U
2,4-Dichlorophenol	ug/kg		730 U	770 U	760 U	880 U	770 U	870 U
1,2,4-Trichlorobenzene	ug/kg		730 U	770 U	760 U	880 U	770 U	870 U
Naphthalene	ug/kg		730 U	770 U	760 U	880 U	770 U	870 U
4-Chloroaniline	ug/kg		730 U	770 U	760 U	880 U	770 U	870 U
Hexachlorobenzene	ug/kg		730 U	770 U	760 U	880 U	770 U	870 U
4-Chloro-3-methylphenol	ug/kg		730 U	770 U	760 U	880 U	770 U	870 U
3-Methylsulphathiazole	ug/kg		730 U	770 U	760 U	880 U	770 U	870 U
Hexachlorocyclopentadiene	ug/kg		730 U	770 U	760 U	880 U	770 U	870 U
2,4,6-Trichlorophenol	ug/kg		3500 U	3800 U	3700 U	4500 U	3700 U	4200 U
2,4,5-Trichlorophenol	ug/kg		730 U	770 U	760 U	880 U	770 U	870 U
3-Chlorosulphathiazole	ug/kg		730 U	770 U	760 U	880 U	770 U	870 U
2-Nitroaniline	ug/kg		730 U	770 U	760 U	880 U	770 U	870 U
Dinitrophenols	ug/kg		730 U	770 U	760 U	880 U	770 U	870 U
Azoxyethylene	ug/kg		730 U	770 U	760 U	880 U	770 U	870 U
2,6-Dinitrobenzene	ug/kg		730 U	770 U	760 U	880 U	770 U	870 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SEMI-VOLATILE ORGANIC RESULTS

COMPOUND	UNITS	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		LOCATION	GB-16	GB-17/MW21	GB-17/MW21	GB-18/MW19	GB-18/MW19	GB-19	GB-20/MW29
		DEPTH	0-2'	0-6"	0-6"	0-6"	5-5 1/2'	0-6"	
		DATE	01/22/92	01/14/92	01/14/92	01/14/92	10/31/91	01/14/92	01/14/92
		MAIN ID	GB-16-2	GB-17-1	GB-17-1	GB-18-1	S103104	GB-19-1	GB-20-1
		LAB ID	152911	152459	152459	152460	147937	152461	152462
Phenol	ug/kg		790 U	810 U	810 U	960 U	710 U	900 U	900 U
bis(2-Chloroethyl) ether	ug/kg		790 U	810 U	810 U	960 U	710 U	900 U	900 U
2-Chlorophenol	ug/kg		790 U	810 U	810 U	960 U	710 U	900 U	900 U
1,3-Dichlorobenzene	ug/kg		790 U	810 U	810 U	960 U	710 U	900 U	900 U
1,4-Dichlorobenzene	ug/kg		790 U	810 U	810 U	960 U	710 U	900 U	900 U
Benzyl Alcohol	ug/kg		790 U	810 U	810 U	960 U	710 U	900 U	900 U
1,2-Dichlorobenzene	ug/kg		790 U	810 U	810 U	960 U	710 U	900 U	900 U
2-Methylphenol	ug/kg		790 U	810 U	810 U	960 U	710 U	900 U	900 U
bis(2-Chloroisopropyl) ether	ug/kg		790 U	810 U	810 U	960 U	710 U	900 U	900 U
4-Methylphenol	ug/kg		790 U	810 U	810 U	960 U	710 U	900 U	900 U
N-Nitroso-di-n-propylamine	ug/kg		790 U	810 U	810 U	960 U	710 U	900 U	900 U
Hexachloroethane	ug/kg		790 U	810 U	810 U	960 U	710 U	900 U	900 U
Nitrobenzene	ug/kg		790 U	810 U	810 U	960 U	710 U	900 U	900 U
Isophrene	ug/kg		790 U	810 U	810 U	960 U	710 U	900 U	900 U
2-Nitrophenol	ug/kg		790 U	810 U	810 U	960 U	710 U	900 U	900 U
2,4-Dimethylphenol	ug/kg		790 U	810 U	810 U	960 U	710 U	900 U	900 U
Benzole acid	ug/kg		3800 U	3900 U	3900 U	4700 U	3400 U	4400 U	4400 U
bis(2-Chloroethoxy) methane	ug/kg		790 U	810 U	810 U	960 U	710 U	900 U	900 U
2,4-Dichlorophenol	ug/kg		790 U	810 U	810 U	960 U	710 U	900 U	900 U
1,2,4-Trichlorobenzene	ug/kg		790 U	810 U	810 U	960 U	710 U	900 U	900 U
Naphthalene	ug/kg		790 U	810 U	810 U	960 U	710 U	900 U	900 U
4-Chloroaniline	ug/kg		790 U	810 U	810 U	960 U	710 U	900 U	900 U
Hexachlorobutadiene	ug/kg		790 U	810 U	810 U	960 U	710 U	900 U	900 U
4-Chloro-3-methylphenol	ug/kg		790 U	810 U	810 U	960 U	710 U	900 U	900 U
2-Methylnaphthalene	ug/kg		790 U	810 U	810 U	960 U	710 U	900 U	900 U
Hexachlorocyclopentadiene	ug/kg		790 U	810 U	810 U	960 U	710 U	900 U	900 U
2,4,6-Trichlorophenol	ug/kg		790 U	810 U	810 U	960 U	710 U	900 U	900 U
2,4,5-Trichlorophenol	ug/kg		3800 U	3900 U	3900 U	4700 U	3400 U	4400 U	4400 U
2-Chloronaphthalene	ug/kg		790 U	810 U	810 U	960 U	710 U	900 U	900 U
2-Nitroaniline	ug/kg		3800 U	3900 U	3900 U	4700 U	3400 U	4400 U	4400 U
Dimethylsilole	ug/kg		790 U	810 U	810 U	960 U	710 U	900 U	900 U
Acenaphthylene	ug/kg		790 U	810 U	810 U	960 U	710 U	900 U	900 U
2,6-Dinitrotoluene	ug/kg		790 U	810 U	810 U	960 U	710 U	900 U	900 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
SEMI-VOLATILE ORGANIC RESULTS

COMPOUND	UNITS	MATRIX	SOIL	SOIL	SOIL	WATER	WATER
		LOCATION	GB-20/MW29	MW-30	MW-34	GB-8	GB-4
		DEPTH		0-2'	0-2'	RINSATE	RINSATE
		DATE	11/13/91	11/14/91	11/20/91		
		MAIN ID	S1311106	S1411110MW3	S2011121MW3	RINSGB-8RE	RINSGB04RE
		LAB ID	148877	149073	149410	150586	150396
Phenol	ug/Kg		750 U	790 U	730 U	16 U	16 U
bis(2-Chloroethyl) ether	ug/Kg		750 U	790 U	730 U	16 U	16 U
2-Chlorophenol	ug/Kg		750 U	790 U	730 U	16 U	16 U
1,3-Dichlorobenzene	ug/Kg		750 U	790 U	730 U	16 U	16 U
1,4-Dichlorobenzene	ug/Kg		750 U	790 U	730 U	16 U	16 U
Benzyl Alcohol	ug/Kg		750 U	790 U	730 U	16 U	16 U
1,2-Dichlorobenzene	ug/Kg		750 U	790 U	730 U	16 U	16 U
2-Methylphenol	ug/Kg		750 U	790 U	730 U	16 U	16 U
bis(2-Chloroisopropyl) ether	ug/Kg		750 U	790 U	730 U	16 U	16 U
4-Methylphenol	ug/Kg		750 U	790 U	730 U	16 U	16 U
N-Nitroso-di-n-propylamine	ug/Kg		750 U	790 U	730 U	16 U	16 U
Hexachloroethane	ug/Kg		750 U	790 U	730 U	16 U	16 U
Nitrobenzene	ug/Kg		750 U	790 U	730 U	16 U	16 U
Isophorone	ug/Kg		750 U	790 U	730 U	16 U	16 U
2-Nitrophenol	ug/Kg		750 U	790 U	730 U	16 U	16 U
2,4-Dimethylphenol	ug/Kg		750 U	790 U	730 U	16 U	16 U
Benzoic acid	ug/Kg		3600 U	3900 U	3500 U	79 U	78 U
bis(2-Chloroethoxy) methane	ug/Kg		750 U	790 U	730 U	16 U	16 U
2,4-Dichlorophenol	ug/Kg		750 U	790 U	730 U	16 U	16 U
1,2,4-Trichlorobenzene	ug/Kg		750 U	790 U	730 U	16 U	16 U
Naphthalene	ug/Kg		750 U	790 U	730 U	16 U	16 U
4-Chloroaniline	ug/Kg		750 U	790 U	730 U	16 U	16 U
Hexachlorobutadiene	ug/Kg		750 U	790 U	730 U	16 U	16 U
4-Chloro-3-methylphenol	ug/Kg		750 U	790 U	730 U	16 U	16 U
2-Methylnaphthalene	ug/Kg		750 U	790 U	730 U	16 U	16 U
Hexachlorocyclopentadiene	ug/Kg		750 U	790 U	730 U	16 U	16 U
2,4,6-Trichlorophenol	ug/Kg		750 U	790 U	730 U	16 U	16 U
2,4,5-Trichlorophenol	ug/Kg		3600 U	3900 U	3500 U	79 U	78 U
2-Chloronaphthalene	ug/Kg		750 U	790 U	730 U	16 U	16 U
2-Nitroaniline	ug/Kg		3600 U	3900 U	3500 U	79 U	78 U
Dimethylphalate	ug/Kg		750 U	790 U	730 U	16 U	16 U
Acenaphthylene	ug/Kg		750 U	790 U	730 U	16 U	16 U
2,6-Dinitrotoluene	ug/Kg		750 U	790 U	730 U	16 U	16 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
PESTICIDE AND PCB'S ANALYSIS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-01	GB-01	GB-02	GB-02	GB-02	GB-03	GB-03
		0-6"	2'-4'	0-6"	'4'-6'	0-2'	0-6"	0-2'
	DATE	12/03/91	12/03/91	12/04/91	12/04/91	12/04/91	12/05/91	12/05/91
	MAIN ID	GB--1-1	GB-1-3	GB-2-1	GB-2-4	GB-2-2	GB-3-1	GB-3-2
	LAB ID	150047	150049	150184	150185	150051	150382	150186
	UNITS							
alpha-BHC	mg/kg	19 U	18 U	19 U	19 U	19 U	19 U	18 U
beta-BHC	mg/kg	19 U	18 U	19 U	19 U	19 U	19 U	18 U
delta-BHC	mg/kg	19 U	18 U	19 U	19 U	19 U	19 U	18 U
gamma-BHC (Lindane)	mg/kg	19 U	18 U	19 U	19 U	19 U	19 U	18 U
Heptachlor	mg/kg	19 U	18 U	19 U	19 U	19 U	19 U	18 U
Aldrin	mg/kg	19 U	18 U	19 U	19 U	19 U	19 U	18 U
Heptachlor epoxide	mg/kg	19 U	18 U	19 U	19 U	19 U	19 U	18 U
Endosulfan I	mg/kg	19 U	18 U	19 U	19 U	19 U	19 U	18 U
Dieldrin	mg/kg	38 U	35 U	39 U	37 U	38 U	37 U	35 U
4,4'-DDE	mg/kg	38 U	35 U	39 U	37 U	38 U	32 Y	35 U
Endrin	mg/kg	38 U	35 U	39 U	37 U	38 U	37 U	35 U
Endosulfan II	mg/kg	38 U	35 U	39 U	37 U	38 U	37 U	35 U
4,4'-DDD	mg/kg	38 U	35 U	39 U	37 U	38 U	37 U	35 U
Endosulfan sulfate	mg/kg	38 U	35 U	39 U	37 U	38 U	37 U	35 U
4,4'-DDT	mg/kg	38 U	35 U	39 U	37 U	38 U	37 U	35 U
Methoxychlor	mg/kg	190 U	180 U	190 U	190 U	190 U	190 U	180 U
Endrin ketone	mg/kg	38 U	35 U	39 U	37 U	38 U	37 U	35 U
alpha-Chlordane	mg/kg	190 U	180 U	190 U	190 U	190 U	190 U	180 U
gamma-Chlordane	mg/kg	190 U	180 U	190 U	190 U	190 U	190 U	180 U
Toxaphene	mg/kg	380 U	350 U	390 U	370 U	380 U	370 U	350 U
Aroclor-1016	mg/kg	190 U	180 U	190 U	190 U	190 U	190 U	180 U
Aroclor-1221	mg/kg	190 U	180 U	190 U	190 U	190 U	190 U	180 U
Aroclor-1232	mg/kg	190 U	180 U	190 U	190 U	190 U	190 U	180 U
Aroclor-1242	mg/kg	190 U	180 U	190 U	190 U	190 U	190 U	180 U
Aroclor-1248	mg/kg	190 U	180 U	190 U	190 U	190 U	190 U	180 U
Aroclor-1254	mg/kg	380 U	350 U	390 U	370 U	380 U	370 U	350 U
Aroclor-1260	mg/kg	380 U	350 U	390 U	370 U	380 U	370 U	350 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
PESTICIDE AND PCB'S ANALYSIS

COMPOUND	MATRIX LOCATION	SOIL GB-04	SOIL GB-04	SOIL GB-05	SOIL GB-05	SOIL GB-06	SOIL GB-06	SOIL GB-07
	DATE	0-6"	6'+	0-6"	0-2'	0-6"	6'+	0-6"
	MAIN ID	GB-4-1	GB-4-5	GB-5-1	GB-5-2	GB-6-1	GB-6-5	GB-07-1
	LAB ID	150383	150387	150388	150389	150391	150395	150573
	UNITS							
alpha-BHC	mg/kg	19 U	18 U	19 U	18 U	19 U	19 U	20 U
beta-BHC	mg/kg	19 U	18 U	19 U	18 U	19 U	19 U	20 U
delta-BHC	mg/kg	19 U	18 U	19 U	18 U	19 U	19 U	20 U
gamma-BHC (Lindane)	mg/kg	19 U	18 U	19 U	18 U	19 U	19 U	20 U
Heptachlor	mg/kg	19 U	18 U	19 U	18 U	19 U	19 U	20 U
Aldrin	mg/kg	19 U	18 U	19 U	18 U	19 U	19 U	20 U
Heptachlor epoxide	mg/kg	19 U	18 U	19 U	18 U	19 U	19 U	20 U
Endosulfan I	mg/kg	19 U	18 U	19 U	18 U	19 U	19 U	20 U
Dieldrin	mg/kg	38 U	36 U	39 U	37 U	38 U	39 U	40 U
4,4'-DDE	mg/kg	38 U	36 U	39 U	37 U	38 U	39 U	40 U
Endrin	mg/kg	38 U	36 U	39 U	37 U	38 U	39 U	40 U
Endosulfan II	mg/kg	38 U	36 U	39 U	37 U	38 U	39 U	40 U
4,4'-DDD	mg/kg	38 U	36 U	39 U	37 U	38 U	39 U	40 U
Endosulfan sulfate	mg/kg	38 U	36 U	39 U	37 U	38 U	39 U	40 U
4,4'-DDT	mg/kg	38 U	36 U	39 U	37 U	38 U	39 U	40 U
Methoxychlor	mg/kg	190 U	180 U	190 U	180 U	190 U	190 U	200 U
Endrin ketone	mg/kg	38 U	36 U	39 U	37 U	38 U	39 U	40 U
alpha-Chlordane	mg/kg	190 U	180 U	190 U	180 U	190 U	190 U	200 U
gamma-Chlordane	mg/kg	190 U	180 U	190 U	180 U	190 U	190 U	200 U
Toxaphene	mg/kg	380 U	360 U	390 U	370 U	380 U	390 U	400 U
Aroclor-1016	mg/kg	190 U	180 U	190 U	180 U	190 U	190 U	200 U
Aroclor-1221	mg/kg	190 U	180 U	190 U	180 U	190 U	190 U	200 U
Aroclor-1232	mg/kg	190 U	180 U	190 U	180 U	190 U	190 U	200 U
Aroclor-1242	mg/kg	190 U	180 U	190 U	180 U	190 U	190 U	200 U
Aroclor-1248	mg/kg	190 U	180 U	190 U	180 U	190 U	190 U	200 U
Aroclor-1254	mg/kg	380 U	360 U	390 U	370 U	380 U	390 U	400 U
Aroclor-1260	mg/kg	380 U	360 U	390 U	370 U	380 U	390 U	400 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
PESTICIDE AND PCB'S ANALYSIS

COMPOUND	MATRIX LOCATION	SOIL GB-07	SOIL GB-08	SOIL GB-08	SOIL GB-09	SOIL GB-09	SOIL GB-10	SOIL GB-10
	DATE	0-2'	0-6"	4'-6'	0-6"	2'-4'	0-6"	2'+
	MAIN ID	GB-07-2	GB-08-1	GB-08-4	GB-09-1	GB-09-3	GB-10-1	GB-10-3
	LAB ID	150574	150577	150580	150582	150584	150780	150782
	UNITS							
alpha-BHC	mg/kg	19 U	20 U	18 U	20 U	18 U	19 U	18 U
beta-BHC	mg/kg	19 U	20 U	18 U	20 U	18 U	19 U	18 U
delta-BHC	mg/kg	19 U	20 U	18 U	20 U	18 U	19 U	18 U
gamma-BHC (Lindane)	mg/kg	19 U	20 U	18 U	20 U	18 U	19 U	18 U
Heptachlor	mg/kg	19 U	20 U	18 U	20 U	18 U	19 U	18 U
Aldrin	mg/kg	19 U	20 U	18 U	20 U	18 U	19 U	18 U
Heptachlor epoxide	mg/kg	19 U	20 U	18 U	20 U	18 U	19 U	18 U
Endosulfan I	mg/kg	19 U	20 U	18 U	20 U	18 U	19 U	18 U
Dieldrin	mg/kg	37 U	41 U	37 U	40 U	36 U	38 U	35 U
4,4'-DDE	mg/kg	37 U	41 U	37 U	40 U	36 U	38 U	35 U
Endrin	mg/kg	37 U	41 U	37 U	40 U	36 U	38 U	35 U
Endosulfan II	mg/kg	37 U	41 U	37 U	40 U	36 U	38 U	35 U
4,4'-DDD	mg/kg	37 U	41 U	37 U	40 U	36 U	38 U	35 U
Endosulfan sulfate	mg/kg	37 U	41 U	37 U	40 U	36 U	38 U	35 U
4,4'-DDT	mg/kg	37 U	41 U	37 U	40 U	36 U	38 U	35 U
Methoxychlor	mg/kg	190 U	200 U	180 U	200 U	180 U	190 U	180 U
Endrin ketone	mg/kg	37 U	41 U	37 U	40 U	36 U	38 U	35 U
alpha-Chlordane	mg/kg	190 U	200 U	180 U	200 U	180 U	190 U	180 U
gamma-Chlordane	mg/kg	190 U	200 U	180 U	200 U	180 U	190 U	180 U
Toxaphene	mg/kg	370 U	410 U	370 U	400 U	360 U	380 U	350 U
Aroclor-1016	mg/kg	190 U	200 U	180 U	200 U	180 U	190 U	180 U
Aroclor-1221	mg/kg	190 U	200 U	180 U	200 U	180 U	190 U	180 U
Aroclor-1232	mg/kg	190 U	200 U	180 U	200 U	180 U	190 U	180 U
Aroclor-1242	mg/kg	190 U	200 U	180 U	200 U	180 U	190 U	180 U
Aroclor-1248	mg/kg	190 U	200 U	180 U	200 U	180 U	190 U	180 U
Aroclor-1254	mg/kg	370 U	410 U	370 U	400 U	360 U	380 U	350 U
Aroclor-1260	mg/kg	370 U	240 Y	370 U	400 U	360 U	380 U	350 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
PESTICIDE AND PCB'S ANALYSIS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-11	GB-11	GB-12	GB-12	GB-12	GB-12	GB-13
		0-6"	2'-4'	0-6"	0-6"	0-2'	0-2'	0-6"
	DATE	12/10/91	12/10/91	12/16/91	12/16/91	12/16/91	12/16/91	01/23/92
	MAIN ID	GB-11-1	GB-11-3	GB-12-1	GB-12-1A	GB-12-2	GB-12-2A	GB-13-1
	LAB ID	150682	150684	151121	151122	151123	151124	152902
	UNITS							
alpha-BHC	mg/kg	21 U	17 U	19 U	20 U	20 U	19 U	25 U
beta-BHC	mg/kg	21 U	17 U	19 U	20 U	20 U	19 U	25 U
delta-BHC	mg/kg	21 U	17 U	19 U	20 U	20 U	19 U	25 U
gamma-BHC (Lindane)	mg/kg	21 U	17 U	19 U	20 U	20 U	19 U	25 U
Heptachlor	mg/kg	21 U	17 U	19 U	20 U	20 U	19 U	25 U
Aldrin	mg/kg	21 U	17 U	19 U	20 U	20 U	19 U	25 U
Heptachlor epoxide	mg/kg	21 U	17 U	19 U	20 U	20 U	19 U	25 U
Endosulfan I	mg/kg	21 U	17 U	19 U	20 U	20 U	19 U	25 U
Dieldrin	mg/kg	41 U	34 U	38 U	40 U	39 U	39 U	50 U
4,4'-DDE	mg/kg	41 U	34 U	38 U	40 U	39 U	39 U	50 U
Endrin	mg/kg	41 U	34 U	38 U	40 U	39 U	39 U	50 U
Endosulfan II	mg/kg	41 U	34 U	38 U	40 U	39 U	39 U	50 U
4,4'-DDD	mg/kg	41 U	34 U	38 U	40 U	39 U	39 U	50 U
Endosulfan sulfate	mg/kg	41 U	34 U	38 U	40 U	39 U	39 U	50 U
4,4'-DDT	mg/kg	41 U	34 U	38 U	40 U	39 U	39 U	50 U
Methoxychor	mg/kg	210 U	170 U	190 U	200 U	200 U	190 U	250 U
Endrin ketone	mg/kg	41 U	34 U	38 U	40 U	39 U	39 U	50 U
alpha-Chlordane	mg/kg	210 U	170 U	190 U	200 U	200 U	190 U	250 U
gamma-Chlordane	mg/kg	210 U	170 U	190 U	200 U	200 U	190 U	250 U
Toxaphene	mg/kg	410 U	340 U	380 U	400 U	390 U	390 U	500 U
Aroclor-1016	mg/kg	210 U	170 U	190 U	200 U	200 U	190 U	250 U
Aroclor-1221	mg/kg	210 U	170 U	190 U	200 U	200 U	190 U	250 U
Aroclor-1232	mg/kg	210 U	170 U	190 U	200 U	200 U	190 U	250 U
Aroclor-1242	mg/kg	210 U	170 U	190 U	200 U	200 U	190 U	250 U
Aroclor-1248	mg/kg	210 U	170 U	190 U	200 U	200 U	190 U	250 U
Aroclor-1254	mg/kg	410 U	340 U	380 U	400 U	390 U	390 U	500 U
Aroclor-1260	mg/kg	410 U	340 U	380 U	400 U	390 U	390 U	500 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
PESTICIDE AND PCB'S ANALYSIS

COMPOUND	MATRIX LOCATION	SOIL GB-13 0-6" 01/23/92 GB-13-1RE LAB ID 152902	SOIL GB-13 0-2" 01/23/92 GB-13-2 LAB ID 152903	SOIL GB-14 0-6" 12/16/91 GB-14-1 LAB ID 151131	SOIL GB-14 0-6" 12/16/91 GB-14-1A LAB ID 151132	SOIL GB-14 0-2" 12/16/91 GB-14-2 LAB ID 151133	SOIL GB-14 0-2" 12/16/91 GB-14-2A LAB ID 151134	SOIL GB-15 0-6" 01/23/92 GB-15-1 LAB ID 152906
	UNITS							
alpha-BHC	mg/kg	25 U	20 U	18 U	18 U	19 U	18 U	21 U
beta-BHC	mg/kg	25 U	20 U	18 U	18 U	19 U	18 U	21 U
delta-BHC	mg/kg	25 U	20 U	18 U	18 U	19 U	18 U	21 U
gamma-BHC (Lindane)	mg/kg	25 U	20 U	18 U	18 U	19 U	18 U	21 U
Heptachlor	mg/kg	25 U	20 U	18 U	18 U	19 U	18 U	21 U
Aldrin	mg/kg	25 U	20 U	18 U	18 U	19 U	18 U	21 U
Heptachlor epoxide	mg/kg	25 U	20 U	18 U	18 U	19 U	18 U	21 U
Endosulfan I	mg/kg	25 U	20 U	18 U	18 U	19 U	18 U	21 U
Dieldrin	mg/kg	51 U	39 U	36 U	35 U	38 U	37 U	43 U
4,4'-DDE	mg/kg	51 U	39 U	36 U	35 U	38 U	37 U	43 U
Endrin	mg/kg	51 U	39 U	36 U	35 U	38 U	37 U	43 U
Endosulfan II	mg/kg	51 U	39 U	36 U	35 U	38 U	37 U	43 U
4,4'-DDD	mg/kg	51 U	39 U	36 U	35 U	38 U	37 U	43 U
Endosulfan sulfate	mg/kg	51 U	39 U	36 U	35 U	38 U	37 U	43 U
4,4'-DDT	mg/kg	51 U	39 U	36 U	35 U	38 U	37 U	43 U
Methoxychor	mg/kg	250 U	200 U	180 U	180 U	190 U	180 U	210 U
Endrin ketone	mg/kg	51 U	39 U	36 U	35 U	38 U	37 U	43 U
alpha-Chlordane	mg/kg	250 U	200 U	180 U	180 U	190 U	180 U	210 U
gamma-Chlordane	mg/kg	250 U	200 U	180 U	180 U	190 U	180 U	210 U
Toxaphene	mg/kg	510 U	390 U	360 U	350 U	380 U	370 U	430 U
Aroclor-1016	mg/kg	250 U	200 U	180 U	180 U	190 U	180 U	210 U
Aroclor-1221	mg/kg	250 U	200 U	180 U	180 U	190 U	180 U	210 U
Aroclor-1232	mg/kg	250 U	200 U	180 U	180 U	190 U	180 U	210 U
Aroclor-1242	mg/kg	250 U	200 U	180 U	180 U	190 U	180 U	210 U
Aroclor-1248	mg/kg	250 U	200 U	180 U	180 U	190 U	180 U	210 U
Aroclor-1254	mg/kg	510 U	390 U	360 U	350 U	380 U	370 U	430 U
Aroclor-1260	mg/kg	510 U	390 U	360 U	350 U	380 U	370 U	430 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
PESTICIDE AND PCB'S ANALYSIS

COMPOUND	MATRIX LOCATION	SOIL GB-15	SOIL GB-16	SOIL GB-16	SOIL GB-17/MW-21	SOIL GB-17/MW-21	SOIL GB-18/MW--19	SOIL GB-18/MW--19
	DATE	0-2'	0-6"	0-2'	0-6"	0-2'	0-6"	5'-5 1/2'
	MAIN ID	GB-15-2	GB-16-1	GB-16-2	GB-17-1	S110105	GB-18-1	S103104
	LAB ID	152907	152910	152911	152459		152460	147937
	UNITS							
alpha-BHC	mg/kg	19 U	21 U	19 U	20 U	18 U	23 U	17 U
beta-BHC	mg/kg	19 U	21 U	19 U	20 U	18 U	23 U	17 U
delta-BHC	mg/kg	19 U	21 U	19 U	20 U	18 U	23 U	17 U
gamma-BHC (Lindane)	mg/kg	19 U	21 U	19 U	20 U	18 U	23 U	17 U
Heptachlor	mg/kg	19 U	21 U	19 U	20 U	18 U	23 U	17 U
Aldrin	mg/kg	19 U	21 U	19 U	20 U	18 U	23 U	17 U
Heptachlor epoxide	mg/kg	19 U	21 U	19 U	20 U	18 U	23 U	17 U
Endosulfan I	mg/kg	19 U	21 U	19 U	20 U	18 U	23 U	17 U
Dieldrin	mg/kg	37 U	42 U	38 U	39 U	36 U	47 U	34 U
4,4'-DDE	mg/kg	37 U	42 U	38 U	39 U	36 U	47 U	34 U
Endrin	mg/kg	37 U	42 U	38 U	39 U	36 U	47 U	34 U
Endosulfan II	mg/kg	37 U	42 U	38 U	39 U	36 U	47 U	34 U
4,4'-DDD	mg/kg	37 U	42 U	38 U	39 U	36 U	47 U	34 U
Endosulfan sulfate	mg/kg	37 U	42 U	38 U	39 U	36 U	47 U	34 U
4,4'-DDT	mg/kg	37 U	42 U	38 U	39 U	36 U	47 U	34 U
Methoxychlor	mg/kg	190 U	210 U	190 U	200 U	180 U	230 U	170 U
Endrin ketone	mg/kg	37 U	42 U	38 U	39 U	36 U	47 U	34 U
alpha-Chlordane	mg/kg	190 U	210 U	190 U	200 U	180 U	230 U	170 U
gamma-Chlordane	mg/kg	190 U	210 U	190 U	200 U	180 U	230 U	170 U
Toxaphene	mg/kg	370 U	420 U	380 U	390 U	360 U	470 U	340 U
Aroclor-1016	mg/kg	190 U	210 U	190 U	200 U	180 U	230 U	170 U
Aroclor-1221	mg/kg	190 U	210 U	190 U	200 U	180 U	230 U	170 U
Aroclor-1232	mg/kg	190 U	210 U	190 U	200 U	180 U	230 U	170 U
Aroclor-1242	mg/kg	190 U	210 U	190 U	200 U	180 U	230 U	170 U
Aroclor-1248	mg/kg	190 U	210 U	190 U	200 U	180 U	230 U	170 U
Aroclor-1254	mg/kg	370 U	420 U	380 U	390 U	360 U	470 U	340 U
Aroclor-1260	mg/kg	370 U	420 U	380 U	390 U	360 U	470 U	340 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
PESTICIDE AND PCB'S ANALYSIS

COMPOUND	MATRIX LOCATION	SOIL	SOIL	SOIL	SOIL
	DATE	GB-19	GB-20	MW-30	MW-34
	MAIN ID	0-6"	0-6"	0-2"	0-2"
	LAB ID	01/14/92	01/14/92	11/14/91	11/21/91
	UNITS	GB-19-1	GB-20-1	S1411110MW30	S2011121MW34
		152461	152462	149073	149410
alpha-BHC	mg/kg	22 U	22 U	19 U	18 U
beta-BHC	mg/kg	22 U	22 U	19 U	18 U
delta-BHC	mg/kg	22 U	22 U	19 U	18 U
gamma-BHC (Lindane)	mg/kg	22 U	22 U	19 U	18 U
Heptachlor	mg/kg	22 U	22 U	19 U	18 U
Aldrin	mg/kg	22 U	22 U	19 U	18 U
Heptachlor epoxide	mg/kg	22 U	22 U	19 U	18 U
Endosulfan I	mg/kg	22 U	22 U	19 U	18 U
Dieldrin	mg/kg	44 U	44 U	39 U	35 U
4,4'-DDE	mg/kg	44 U	44 U	20 Y	35 U
Endrin	mg/kg	44 U	44 U	39 U	35 U
Endosulfan II	mg/kg	44 U	44 U	39 U	35 U
4,4'-DDD	mg/kg	44 U	44 U	39 U	35 U
Endosulfan sulfate	mg/kg	44 U	44 U	39 U	35 U
4,4'-DDT	mg/kg	44 U	44 U	39 U	35 U
Methoxychlor	mg/kg	220 U	220 U	190 U	180 U
Endrin ketone	mg/kg	44 U	44 U	39 U	35 U
alpha-Chlordane	mg/kg	220 U	220 U	190 U	180 U
gamma-Chlordane	mg/kg	220 U	220 U	190 U	180 U
Toxaphene	mg/kg	440 U	440 U	390 U	350 U
Aroclor-1016	mg/kg	220 U	220 U	190 U	180 U
Aroclor-1221	mg/kg	220 U	220 U	190 U	180 U
Aroclor-1232	mg/kg	220 U	220 U	190 U	180 U
Aroclor-1242	mg/kg	220 U	220 U	190 U	1400 B
Aroclor-1248	mg/kg	220 U	220 U	190 U	180 U
Aroclor-1254	mg/kg	440 U	440 U	390 U	350 U
Aroclor-1260	mg/kg	440 U	440 U	390 U	350 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
EXPLOSIVES

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-01 0-6'	GB-01 2'-4'	GB-02 0-6'	GB-02 0-2'	GB-02 4'-6'	GB-02 4'-6'	GB-03 0-6'
	DATE	12/03/91	12/03/91	12/04/91	12/04/91	12/04/91	12/04/91	12/05/91
	MAIN ID	GB--1-1	GB-1-3	GB-2-1	GB-2-2	GB-2-4	GB-2-4	GB-3-1
	LAB ID	150047	150049	150184	150051	150185	150185R1	150382
	UNITS							
HMX	ug/Kg	1000 U	1000 U	1000 U	1000 U	1200 U	950 U	1000 U
RDX	ug/Kg	120 U	120 U	120 U	120 U	150 U	120 U	120 U
1,3,5-Trinitrobenzene	ug/Kg	120 U	120 U	82 Y	120 U	150 U	120 U	184
1,3-Dinitrobenzene	ug/Kg	120 U	120 U	120 U	120 U	150 U	120 U	120 U
Tetryl	ug/Kg	400 U	400 U	400 U	400 U	470 U	380 U	400 U
2,4,6-Trinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U	150 U	120 U	150
4-amino-2,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U	150 U	120 U	370
2-amino-4,6-Dinitrotoluene	ug/Kg	120 U	120 U	85 Y	73 Y	150 U	120 U	370
2,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U	150 U	120 U	120 U
2,4-Dinitrotoluene	ug/Kg	120 U	120 U	270	120 U	150 U	120 U	940

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
EXPLOSIVES

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-03	GB-03	GB-04	GB-04	GB-05	GB-05	GB-06
		0-2'	0-2'	0-6"	6+	0-6"	0-2'	0-6"
	DATE	12/05/91	12/05/91	12/06/91	12/06/91	12/06/91	12/06/91	12/06/91
	MAIN ID	GB-3-2	GB-3-2RE	GB-4-1	GB-4-5	GB-5-1	GB-5-2	GB-6-1
	LAB ID	150186	150186R1	150383	150387	150388	150389	150391
	UNITS							
HMX	ug/Kg	1100 U	980 U	1000 U	980 U	1000 U	970 U	1000 U
RDX	ug/Kg	140 U	120 U	120 U	120 U	120 U	120 U	120 U
1,3,5-Trinitrobenzene	ug/Kg	280	150	120 U	120 U	120 U	120 U	120 U
1,3-Dinitrobenzene	ug/Kg	140 U	120 U	120 U	120 U	120 U	120 U	120 U
Tetryl	ug/Kg	440 U	390 U	400 U	390 U	400 U	390 U	400 U
2,4,6-Trinitrotoluene	ug/Kg	69 Y	120 U	120 U	120 U	120 U	120 U	120 U
4-amino-2,6-Dinitrotoluene	ug/Kg	280	200	120 U	120 U	120 U	120 U	120 U
2-amino-4,6-Dinitrotoluene	ug/Kg	300	200	120 U	120 U	120 U	120 U	120 U
2,6-Dinitrotoluene	ug/Kg	140 U	120 U	67 Y	120 U	120 U	120 U	120 U
2,4-Dinitrotoluene	ug/Kg	850	630	120 U	120 U	120 U	120 U	120 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
EXPLOSIVES

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-06	GB-07	GB-08	GB-09	GB-10	GB-10	GB-11
		6+	0-6"	0-6"	0-6"	0-6"	2+	0-6"
	DATE	12/06/91	12/06/91	12/09/91	12/09/91	12/11/91	12/11/91	12/10/91
	MAIN ID	GB-6-5	GB-07-1	GB-08-1	GB-09-1	GB-10-1	GB-10-3	GB-11-1
	LAB ID	150395	150573	150577	150582	150780	150782	150682
	UNITS							
HMX	ug/Kg	960 U	1000 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	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	380 U	400 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	120 U
4-amino-2,6-Dinitrotoluene	ug/Kg	120 U	120 U	86 Y	120 U	120 U	120 U	120 U
2-amino-4,6-Dinitrotoluene	ug/Kg	120 U	120 U	94 Y	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

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
EXPLOSIVES

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-11 2'-4'	GB-12 0-6"	GB-12 0-6"	GB-12 0-2'	GB-12 0-2'	GB-13 0-6"	GB-13 0-2'
	DATE	12/10/91	12/16/91	12/16/91	12/16/91	12/16/91	01/23/92	01/23/92
	MAIN ID	GB-11-3	GB-12-1	GB-12-1A	GB-12-2	GB-12-2A	GB-13-1	GB-13-2
	LAB ID	150684	151121	151122	151123	151124	152902	152903
	UNITS							
HMX	ug/Kg	1000 U	1000 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	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	400 U	400 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	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 Y	120 U	64 Y	120 U	120 U	100 Y	120 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
EXPLOSIVES

COMPOUND	MATRIX LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		GB-14 0-6"	GB-14 0-6"	GB-14 0-2'	GB-14 0-2'	GB-15 0-6"	GB-15 0-2'	GB-16 0-6"	GB-16 0-2'
	DATE	12/16/91	12/16/91	12/16/91	12/16/91	01/23/92	01/23/92	01/23/92	01/23/92
	MAIN ID	GB-14-1	GB-14-1A	GB-14-2	GB-14-2A	GB-15-1	GB-15-2	GB-16-1	GB-16-2
	LAB ID	151131	151132	151133	151134	152906	152907	152910	152911
	UNITS								
HMX	ug/Kg	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U
RDX	ug/Kg	120 U	120 U	120 U	120 U	90 Y	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	120 U
1,3-Dinitrobenzene	ug/Kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Tetryl	ug/Kg	400 U	400 U	400 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	120 U	120 U
4-amino-2,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U	99 Y	120 U	120 U	120 U
2-amino-4,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U	130	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	120 U
2,4-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	120 U	120 U	120 U	120 U	120 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
EXPLOSIVES

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-17/MW-21 0-6"	GB-17/MW-21 0-2'	GB-18/MW--19 0-6"	GB-18/MW--19 5'-5 1/2'	GB-19 0-6"	GB-20 0-6"
	DATE	01/14/92	11/02/91	01/14/92	01/14/92	01/14/92	01/14/92
	MAIN ID	GB-17-1	S110105	GB-18-1	S103104	GB-19-1	GB-20-1
	LAB ID	152459	147955	152460	147937	152461	152462
	UNITS						
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	120 U	120 U	120 U	66 Y
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	120 U	120 U	120 U	350
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	160	120 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
EXPLOSIVES

COMPOUND	MATRIX	SOIL	SOIL
	LOCATION	MW-30	MW-34
		0-2'	0-2'
	DATE	11/14/91	11/21/91
	MAIN ID	S1411110MW30	S2011121MW34
	LAB ID	149073	149410
	UNITS		
HMX	ug/Kg	120 U	120 U
RDX	ug/Kg	240	120 U
1,3,5-Trinitrobenzene	ug/Kg	120 U	120 U
1,3-Dinitrobenzene	ug/Kg	120 U	120 U
Tetryl	ug/Kg	120 U	120 U
2,4,6-Trinitrotoluene	ug/Kg	120 U	120 U
4-amino-2,6-Dinitrotoluene	ug/Kg	130	120 U
2-amino-4,6-Dinitrotoluene	ug/Kg	110 Y	120 U
2,6-Dinitrotoluene	ug/Kg	120 U	120 U
2,4-Dinitrotoluene	ug/Kg	120 U	120 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
INORGANIC ANALYSIS

COMPOUND	MATRIX LOCATION	SOIL GB-01 0-6"	SOIL GB-01 2'-4'	SOIL GB-02 0-6"	SOIL GB-02 '4'-6'	SOIL GB-02 0-2'	SOIL GB-03 0-6"	SOIL GB-03 0-2'
	DATE MAIN ID LAB ID UNITS	12/03/91 GB--1-1 150047	12/03/91 GB-1-3 150049	12/04/91 GB-2-1 150184	12/04/91 GB-2-4 150185	12/04/91 GB-2-2 150051	12/05/91 GB-3-1 150382	12/05/91 GB-3-2 150186
Aluminum	mg/kg	12900	17500	20900	16600	19000	18600	14700
Antimony	mg/kg	12.7 U	11.4 U	19.6	10.4 U	13.4 U	6.8 U	9.8 U
Arsenic	mg/kg	6.6	4.7	18.5	3.8	5.3	4.9	6.1
Barium	mg/kg	226	365	2290	72.8	906	924	819
Beryllium	mg/kg	0.9 B	1.1	0.88 B	1.1	1.2 B	0.83	0.9
Cadmium	mg/kg	2.2	2.4	5.9	2.5	2.3	3.7	3.5
Calcium	mg/kg	11200	10000	8270	5050	6250	17500	22200
Chromium	mg/kg	21.6	28.3	34.9	29.5	27.7	33.3	29.7
Cobalt	mg/kg	10.4 B	9.2 B	12.8	19.3	9.5 B	13.4	10.6
Copper	mg/kg	1010	256	1060	42.8	399	109	108
Iron	mg/kg	26700	32100	37700	35800	28800	30100	27600
Lead	mg/kg	630	481	5310	27.9	3400	194	252
Magnesium	mg/kg	5150	6060	7190	7200	5870	6620	6070
Manganese	mg/kg	360	449	597	466	380	611	499
Mercury	mg/kg	0.13	0.04 B	0.15	0.04 U	0.14	0.09 B	0.14
Nickel	mg/kg	33.8	39.6	45.4	62.4	34.6	40.1	39.1
Potassium	mg/kg	1280	2010	2340	1590	2030	2360	1760
Selenium	mg/kg	0.16 U	0.16 U	0.91	0.13 U	1 U	0.16 U	0.42 B
Silver	mg/kg	2.1 U	1.9 U	1.6 U	1.7 U	2.2 U	1.1 U	1.6 B
Sodium	mg/kg	73.5 U	66.2 U	160 B	72.3 B	130 B	82.2 B	98.8 B
Thallium	mg/kg	0.5 U	0.5 U	0.44 U	0.42 U	0.67 U	0.5 U	0.63 U
Vanadium	mg/kg	20.4	28.1	26.7	24.2	29.7	25.8	18.1
Zinc	mg/kg	383	163	780	94.9	210	676	445
Cyanide	mg/kg	0.67 U	0.61 U	0.7 U	0.51 U	0.62 U	0.65 U	0.58 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
INORGANIC ANALYSIS

COMPOUND	MATRIX LOCATION	SOIL GB-04 0-6"	SOIL GB-04 6'+	SOIL GB-05 0-6"	SOIL GB-05 2'-4'	SOIL GB-06 0-6"	SOIL GB-06 6'+	SOIL GB-07 0-6"
	DATE MAIN ID LAB ID UNITS	12/06/91 GB-4-1 150383	12/06/91 GB-4-5 150387	12/06/91 GB-5-1 150388	12/06/91 GB-5-3 150390	12/06/91 GB-6-1 150391	12/06/91 GB-6-5 150395	12/06/91 GB-07-1 150573
Aluminum	mg/kg	18500	15400	16100	10100	21200	18300	17100
Antimony	mg/kg	8 U	11.5 U	8.2 U	12.6 U	6.7 U	12 U	13.1 U
Arsenic	mg/kg	5.1	3.8	5.8	3.1	5.2	4.6	5.9
Barium	mg/kg	131	63.6	227	73.9	103	94.1	199
Beryllium	mg/kg	0.91	1	0.7 B	0.81 B	0.75	1.2	1.4
Cadmium	mg/kg	2.4	2.6	3.7	1.8	1.8	2.8	2.7
Calcium	mg/kg	17700	2160	61600	90400	2580	22700	11100
Chromium	mg/kg	27.9	28.6	31.6	18.1	23.2	31.6	26.1
Cobalt	mg/kg	15.1	15.9	11.8	6.1 B	10.2	25.9	21.7
Copper	mg/kg	34.1	34.5	730	16	15.7	37.3	74.5
Iron	mg/kg	32200	34100	26700	19700	26900	39700	36800
Lead	mg/kg	36.1	18.1	167	12.4	12.4	22	110
Magnesium	mg/kg	7290	7010	11200	9360	4360	7720	8270
Manganese	mg/kg	516	336	503	263	242	1110	1650
Mercury	mg/kg	0.04 U	0.04 U	0.04 U	0.04 U	0.05 U	0.05 U	0.07 B
Nickel	mg/kg	47	55.5	36.6	28.3	49.6	69.3	47.3
Potassium	mg/kg	2540	1580	2150	1450	1510	1560	1540
Selenium	mg/kg	0.12 U	0.22 U	0.24 U	0.2 B	0.15 U	0.13 U	0.15 U
Silver	mg/kg	1.3 U	1.9 U	1.3 U	2 U	1.1 U	2 U	2.1 U
Sodium	mg/kg	78.9 B	66.7 U	160 B	142 B	54.5 B	69.5 U	76 U
Thallium	mg/kg	0.38 U	0.71 U	0.75 U	0.52 U	0.46 U	0.41 U	0.49 U
Vanadium	mg/kg	27.3	19.8	25.7	18.8	32.3	19.3	26.2
Zinc	mg/kg	141	51	332	56	69.9	90.8	99.4
Cyanide	mg/kg	0.65 U	0.6 U	0.62 U	0.69 U	0.63 U	0.7 U	0.7 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
INORGANIC ANALYSIS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	GB-07 0-2'	GB-08 0-6"	GB-08 4'-6'	GB-09 0-6"	GB-09 2'-4'	GB-10 0-6"	GB-10 2'+	GB-10 2'+
	DATE	12/06/91	12/09/91	12/09/91	12/09/91	12/09/91	12/09/91	12/11/91	12/11/91
	MAIN ID	GB-07-2	GB-08-1	GB-08-4	GB-09-1	GB-09-3	GB-10-1	GB-10-3	GB-10-3
	LAB ID	150574	150577	150580	150582	150584	150780	150782	150782
	UNITS								
Aluminum	mg/kg	12800	16800	16500	17700	14000	25300	16700	
Antimony	mg/kg	11.4 U	13.1 U	11.3 U	13.3 U	11.6 U	12.2 U	5.4 U	
Arsenic	mg/kg	2.8	4.8	4.1	4.6	3.7	6.8	3.5	
Barium	mg/kg	69.2	348	169	131	166	208	81.3	
Beryllium	mg/kg	0.9 B	1.2 B	1.1	1.2 B	0.94 B	1.1	0.79	
Cadmium	mg/kg	1.8	3.2	2	3.2	2.3	3.4	3.4	
Calcium	mg/kg	83500	5490	31700	6040	74700	4480	60300	
Chromium	mg/kg	21.9	26.1	24.5	25.2	23.7	30.2	25.6	
Cobalt	mg/kg	10.9	11 B	8.8 B	11.9 B	26.6	10.3 B	16.1	
Copper	mg/kg	26.5	91.3	37.8	77.8	30.9	29.6	23	
Iron	mg/kg	25100	32200	27900	32000	30000	30800	31600	
Lead	mg/kg	18.1	184	182	31.7	14.4	35.2	18	
Magnesium	mg/kg	13300	5380	6950	5500	9370	6870	8660	
Manganese	mg/kg	404	533	471	663	1550	561	545	
Mercury	mg/kg	0.05 U	0.32	0.11 B	0.96	0.04 U	0.05 B	0.04 U	
Nickel	mg/kg	36.2	37.4	37.2	37.9	58.7	34.8	46.1	
Potassium	mg/kg	1460	1900	2400	2050	1880	3140	1470	
Selenium	mg/kg	0.12 U	0.38 B	0.1 U	0.2 B	0.11 U	0.16 U	0.11 U	
Silver	mg/kg	1.8 U	2.1 U	1.8 U	2.2 U	1.9 U	2 U	0.88 U	
Sodium	mg/kg	99.4 B	75.7 U	92 B	77.1 U	133 B	101 B	110 B	
Thallium	mg/kg	0.37 U	0.68 U	0.32 U	0.43 U	0.34 U	0.5 U	0.34 U	
Vanadium	mg/kg	21	28.4	25	26.8	21.6	38.6	20.3	
Zinc	mg/kg	71.2	404	123	397	120	79.2	65.6	
Cyanide	mg/kg	0.65 U	0.67 U	0.66 U	0.74 U	0.63 U	0.73 U	0.63 U	

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
INORGANIC ANALYSIS

COMPOUND	MATRIX LOCATION	SOIL GB-11 0-6"	SOIL GB-11 2'-4'	SOIL GB-12 0-6"	SOIL GB-12 0-6"	SOIL GB-12 0-2'	SOIL GB-12 0-2'	SOIL GB-12 0-2'	SOIL GB-13 0-6"
	DATE MAIN ID LAB ID UNITS	12/10/91 GB-11-1 150682	12/10/91 GB-11-3 150684	12/16/91 GB-12-1 151121	12/16/91 GB-12-1A 151122	12/16/91 GB-12-2 151123	12/16/91 GB-12-2A 151124	12/16/91 GB-12-2A 151124	01/23/92 GB-13-1 152902
Aluminum	mg/kg	24600	18000	13200	15200	19100	19700	20300	
Antimony	mg/kg	10.8 U	5.4 U	40	6.4	6 U	6 U	8.3 U	
Arsenic	mg/kg	5.5	7.1	4.8	4.7	4.6	4.2	5.8	
Barium	mg/kg	154	77.1	397	365	249	168	622	
Beryllium	mg/kg	1.3	0.97	0.74	0.87	0.79	0.84	0.97	
Cadmium	mg/kg	3.6	4	3	2.5	2.9	3.5	7	
Calcium	mg/kg	3630	37800	3990	4450	2840	2850	8000	
Chromium	mg/kg	32.3	29.1	23.1	23.4	23.3	26.5	29.9	
Cobalt	mg/kg	17.4	23.4	12.9	11.5	14.1	12.4	14.1	
Copper	mg/kg	24.8	26.5	345	233	79.9	89.8	863	
Iron	mg/kg	36900	35400	30700	25600	26900	29900	35600	
Lead	mg/kg	14.1	13.5	6230	672	171	185	2440	
Magnesium	mg/kg	5730	7830	4420	5230	4700	5540	6140	
Manganese	mg/kg	841	674	562	565	359	423	745	
Mercury	mg/kg	0.05 U	0.04 U	0.06 B	0.08	0.05 B	0.05 B	0.15	
Nickel	mg/kg	46.6	55.3	30.1	36.1	26.6	33.9	62.1	
Potassium	mg/kg	2480	1410	1000	1200	1580	1750	1980	
Selenium	mg/kg	0.2 U	0.11 U	0.19 B	0.13 B	0.22 B	0.16 B	0.33 B	
Silver	mg/kg	1.8 U	0.88 U	0.95 U	1 U	0.97 U	0.98 U	1.4 U	
Sodium	mg/kg	62.6 U	62.1 B	34 U	37.1 U	48.2 B	43.1 B	48.2 U	
Thallium	mg/kg	0.64 U	0.36 U	0.37 U	0.37 U	0.38 U	0.34 U	0.65 B	
Vanadium	mg/kg	36.3	21.4	19.7	22.6	29.5	27.4	28.2	
Zinc	mg/kg	96.1	102	284	232	112	138	900	
Cyanide	mg/kg	0.7 U	0.53 U	0.67 U	0.66 U	0.53 U	0.67 U	0.95 U	

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
INORGANIC ANALYSIS

COMPOUND	MATRIX LOCATION	SOIL GB-13 0-2'	SOIL GB-14 0-6"	SOIL GB-14 0-6"	SOIL GB-14 0-2'	SOIL GB-14 0-2'	SOIL GB-15 0-6"	SOIL GB-15 0-2'
	DATE MAIN ID LAB ID UNITS	01/23/92 GB-13-2 152903	12/16/91 GB-14-1 151131	12/16/91 GB-14-1A 151132	12/16/91 GB-14-2 151133	12/16/91 GB-14-2A 151134	01/23/92 GB-15-1 152906	01/23/92 GB-15-2 152907
Aluminum	mg/kg	18600	13000	10800	21000	17600	18900	16600
Antimony	mg/kg	6.8 U	6 U	5.9 U	5.7 U	6 U	7 U	9.2
Arsenic	mg/kg	5.8	3.9	3.9	4.3	5.1	5.9	3
Barium	mg/kg	325	78.5	51.5	148	92.7	384	255
Beryllium	mg/kg	0.98	0.78	0.68	0.97	0.73	0.97	0.84
Cadmium	mg/kg	3.8	2.5	2.2	3.4	3	2.4	2
Calcium	mg/kg	6130	12300	12100	5790	8130	3820	18600
Chromium	mg/kg	27.9	23.5	19.8	27.6	25.9	24.6	22.3
Cobalt	mg/kg	14.7	13.3	10.9	12.9	13.9	12.4	9
Copper	mg/kg	234	65.3	49.8	57.8	42	345	81.6
Iron	mg/kg	32600	25200	22000	29900	28000	28300	26800
Lead	mg/kg	1060	49.8	68.5	137	77.5	2340	985
Magnesium	mg/kg	6210	5990	5270	5510	5620	5470	5890
Manganese	mg/kg	620	349	317	419	490	624	476
Mercury	mg/kg	0.11	0.06 B	0.08 B	0.07 B	0.06 B	0.1 B	0.04 B
Nickel	mg/kg	40.7	43.4	37.5	40.2	37.9	33.8	34.8
Potassium	mg/kg	1710	1110	872	2130	1620	1900	1820
Selenium	mg/kg	0.28 B	0.46 B	0.39 B	0.14 B	0.19 B	0.33 B	0.15 B
Silver	mg/kg	1.1 U	0.98 U	0.96 U	0.92 U	0.97 U	1.1 U	0.98 U
Sodium	mg/kg	39.4 U	34.8 U	34.3 U	43.1 B	52.4 B	40.7 U	34.9 U
Thallium	mg/kg	0.5 B	0.37	0.39	0.33 U	0.32 U	0.53 U	0.31 B
Vanadium	mg/kg	27.7	21.8	16.2	30.7	24.3	28.7	23.6
Zinc	mg/kg	491	251	173	113	102	150	123
Cyanide	mg/kg	0.73 U	0.66 U	0.66 U	0.55 U	0.64 U	0.7 U	0.56 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
INORGANIC ANALYSIS

COMPOUND	MATRIX LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	DATE	GB-16	GB-16	GB-17/MW-21	GB-17/MW-21	GB-18/MW--19	GB-18/MW--19	SOIL
	MAIN ID	0-6"	0-2'	0-6"	0-2'	0-6"	5'-5 1/2'	SOIL
	LAB ID	GB-16-1	GB-16-2	GB-17-1	S110105	GB-18-1	S103104	GB-19
	UNITS	152910	152911	152459	147855	152460	147837	GB-19-1
								152461
Aluminum	mg/kg	18500	13600	19000	18300	19100	17500	19200
Antimony	mg/kg	6.8 U	6.2 U	6.4 U	9.7 U	7.3 U	8.1 U	8.2
Arsenic	mg/kg	4.4	4.1	5.3	6.2	5	9.1	12.5
Barium	mg/kg	929	127	551	77.1	1740	96.9	1190
Beryllium	mg/kg	0.91	0.72	1.6	0.84 B	1.1	0.88	1.1
Cadmium	mg/kg	2.7	1.8	3.9	2.3	5.2	2.5	3.9
Calcium	mg/kg	10200	43600	4040	7540	8680	59100	6020
Chromium	mg/kg	25.5	17.1	25.9	30	25.6	28.5	27
Cobalt	mg/kg	9.7	9.1	18.9	17.2	13.1	15.8	11.2
Copper	mg/kg	51.6	21.4	39.1	28.1	82.4	27	619
Iron	mg/kg	27200	20800	31700	39700	29800	34900	28800
Lead	mg/kg	30.5	10.8	98.4	18.5	173	22.3	2370
Magnesium	mg/kg	6190	9610	6490	7930	5710	9870	6170
Manganese	mg/kg	510	448	620	617	1100	546	796
Mercury	mg/kg	0.35	0.02 U	0.17	0.06 B	1.1	0.04 U	0.19
Nickel	mg/kg	31.1	24.7	39.2	50.7	26.8	52.9	31.3
Potassium	mg/kg	1670	1500	1430	1490	1950	2650	2460
Selenium	mg/kg	1.2 U	0.86 U	0.19 U	0.13 U	0.32 B	0.19 U	0.64 B
Silver	mg/kg	1.1 U	1 U	0.41 U	1.4 U	0.46 U	1.2 U	0.44 U
Sodium	mg/kg	39.4 U	36 U	86.2 B	74 U	59 B	147 B	66.5 B
Thallium	mg/kg	0.67 B	0.41 U	0.46 U	0.35 U	0.69 U	0.53 U	0.8 B
Vanadium	mg/kg	28.9	22.2	26.2	25.7	30.1	26.8	29.6
Zinc	mg/kg	308	72.1	149	71.2	621	100	399
Cyanide	mg/kg	0.72 U	0.54 U	0.57 U	0.66 U	0.84 U	0.6 U	0.75 U

SENECA ARMY DEPOT
OB GROUNDS

GRID BORINGS
INORGANIC ANALYSIS

COMPOUND	MATRIX LOCATION	SOIL	SOIL	SOIL
	DATE MAIN ID LAB ID UNITS	GB-20 0-6" 01/14/92 GB-20-1 152462	MW-30 0-2' 11/14/91 S1411110MW30 149073	MW-34 0-2' 11/21/91 S2011121MW34 149410
Aluminum	mg/kg	21200	16000	16100
Antimony	mg/kg	7 U	6.4 U	5.7
Arsenic	mg/kg	5.1	4	6.3 U
Barium	mg/kg	211	233	67.3
Beryllium	mg/kg	1.2	0.94	0.86
Cadmium	mg/kg	3.9	2.7	2.3
Calcium	mg/kg	9770	9150	28600
Chromium	mg/kg	29.3	23.1	26.6
Cobalt	mg/kg	14.2	11.5	17
Copper	mg/kg	50	74.7	32.7
Iron	mg/kg	31600	27900	35000
Lead	mg/kg	82.6	316	11.9
Magnesium	mg/kg	7010	4790	6850
Manganese	mg/kg	695	620	803
Mercury	mg/kg	0.13	0.16	0.07 B
Nickel	mg/kg	40.4	30.9	49.3
Potassium	mg/kg	2660	2040	1290
Selenium	mg/kg	0.36 B	0.23 U	0.18 U
Silver	mg/kg	0.45 U	0.96 U	0.87 B
Sodium	mg/kg	64 B	52.8 B	55.2 B
Thallium	mg/kg	0.57 B	0.64 U	0.51 U
Vanadium	mg/kg	30.2	25.7	22.3
Zinc	mg/kg	175	220	95.7
Cyanide	mg/kg	0.8 U	0.7 U	0.54 U

GROUNDWATER

SENECA ARMY DEPOT
OB GROUND S

MONITORING WELLS
SUMMARY OF VOLATILE ORGANIC RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	MW-5	MW-6	MW-7	MW-8	MW-8A	MW-9	MW-10
	DATE	01/08/92	01/14/92	01/10/92	01/15/92	01/15/92	01/09/92	01/10/92
	MAIN ID	MW-5	MW-6	MW-7	MW-8	MW-8A	MW-9	MW-10
	LAB ID	152138	152488	152211	152578	152579	152139	152212
UNITS								
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
Methyl Chloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	ug/L	9 J	10 U	8 J	10 U	10 U	10 U	6 J
Carbon Disulfide	ug/L	5 U	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	5 U
1,1-Dichloroethane	ug/L	5 U	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	5 U
Chloroform	ug/L	5 U	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	5 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	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	5 U
Vinyl Acetate	ug/L	10 U	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	5 U
1,2-Dichloropropane	ug/L	5 U	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	5 U
Trichloroethene	ug/L	5 U	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	5 U
1,1,2-Trichloroethene	ug/L	5 U	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	5 U
trans-1,3-Dichloropropene	ug/L	5 U	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	5 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	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	5 U
Toluene	ug/L	5 U	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	5 U
Ethylbenzene	ug/L	5 U	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	5 U
Xylene (total)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U

SENECA ARMY DEPOT
OB GROUND S

MONITORING WELLS
SUMMARY OF VOLATILE ORGANIC RESULTS

COMPOUND	MATRIX LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	DATE	MW-11	MW-12	MW-13	MW-14	MW-14A	MW-15	MW-16
MAIN ID	LAB ID	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
		152580	152581	152140	152582	152583	152141	152489
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
Methyl Chloride	ug/L	5 U	3 BJ	5 U	5 U	5 U	2 BJ	5 U
Acetone	ug/L	10 U	3 BJ	4 J	10 U	10 U	4 BJ	10 U
Carbon Disulfide	ug/L	5 U	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	5 U
1,1-Dichloroethane	ug/L	5 U	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	5 U
Chloroform	ug/L	5 U	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	5 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	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	5 U
Vinyl Acetate	ug/L	10 U	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	5 U
1,2-Dichloropropane	ug/L	5 U	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	5 U
Trichloroethene	ug/L	5 U	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	5 U
1,1,2-Trichloroethene	ug/L	5 U	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	5 U
trans-1,3-Dichloropropene	ug/L	5 U	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	5 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	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	5 U
Toluene	ug/L	5 U	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	5 U
Ethylbenzene	ug/L	5 U	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	5 U
Xylene (total)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VOLATILE ORGANIC RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	MW-16A	MW-17	MW-18	MW-18A	MW-19	MW-21	MW-22
	DATE	01/14/91	01/17/92	01/13/92	01/13/92	01/16/92	01/08/92	01/13/91
	MAIN ID	MW-16A	MW-17	MW-18	MW-18A	MW 19	MW-21	MW-22
	LAB ID	152490	152681	152393	152394	152630	152142	152395
	UNITS							
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
Methyl Chloride	ug/L	5 U	3 BJ	5 U	5 U	4 BJ	5 U	5 U
Acetone	ug/L	10 U	4 BJ	2 J	2 J	3 BJ	9 J	10 U
Carbon Disulfide	ug/L	5 U	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	5 U
1,1-Dichloroethane	ug/L	5 U	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	5 U
Chloroform	ug/L	5 U	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	5 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	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	5 U
Vinyl Acetate	ug/L	10 U	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	5 U
1,2-Dichloropropane	ug/L	5 U	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	5 U
Trichloroethene	ug/L	5 U	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	5 U
1,1,2-Trichloroethene	ug/L	5 U	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	5 U
trans-1,3-Dichloropropene	ug/L	5 U	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	5 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	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	5 U
Toluene	ug/L	5 U	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	5 U
Ethylbenzene	ug/L	5 U	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	5 U
Xylene (total)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VOLATILE ORGANIC RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	MW-23	MW-24	MW-25	MW-27	MW-28	MW-29	MW-30
	DATE	01/14/91	01/14/91	01/13/91	01/15/92	01/14/92	01/14/92	01/09/91
	MAIN ID	MW-23	MW-24	MW-25	MW-27	MW-28	MW-29	MW-30
	LAB ID	152491	152585	152396	152586	152492	152493	152143
	UNITS							
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
Methyl Chloride	ug/L	5 U	5 U	5 U	2 BJ	5 U	5 U	5 U
Acetone	ug/L	10 U	10 U	10 U	4 BJ	10 U	10 U	10 U
Carbon Disulfide	ug/L	5 U	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	5 U
1,1-Dichloroethane	ug/L	5 U	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	5 U
Chloroform	ug/L	5 U	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	5 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	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	5 U
Vinyl Acetate	ug/L	10 U	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	5 U
1,2-Dichloropropane	ug/L	5 U	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	5 U
Trichloroethene	ug/L	5 U	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	5 U
1,1,2-Trichloroethene	ug/L	5 U	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	5 U
trans-1,3-Dichloropropene	ug/L	5 U	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	5 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	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	5 U
Toluene	ug/L	5 U	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	5 U
Ethylbenzene	ug/L	5 U	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	5 U
Xylene (total)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
SUMMARY OF VOLATILE ORGANIC RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER
	LOCATION	MW-31	MW-32	MW-34	MW-35
	DATE	01/16/92	01/16/92	01/08/92	01/08/92
	MAIN ID	MW31	MW 32	MW-34	MW-35
	LAB ID	152631	152632	152145	152146
	UNITS				
Chloromethane	ug/L	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U
Methyl Chloride	ug/L	6 B	4 BJ	5 U	5 U
Acetone	ug/L	5 BJ	10 BJ	4 J	4 J
Carbon Disulfide	ug/L	5 U	5 U	5 U	5 U
1,1-Dichloroethene	ug/L	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	ug/L	5 U	5 U	5 U	5 U
Chloroform	ug/L	2 BJ	1 BJ	5 U	5 U
1,2-Dichloroethane	ug/L	5 U	5 U	5 U	5 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	5 U	5 U	5 U	5 U
Carbon Tetrachloride	ug/L	5 U	5 U	5 U	5 U
Vinyl Acetate	ug/L	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	5 U	5 U	5 U	5 U
1,2-Dichloropropane	ug/L	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U
Trichloroethene	ug/L	5 U	5 U	5 U	5 U
Dibromochloromethane	ug/L	5 U	5 U	5 U	5 U
1,1,2-Trichloroethene	ug/L	5 U	5 U	5 U	5 U
Benzene	ug/L	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U
Bromoform	ug/L	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	5 U	5 U
Toluene	ug/L	5 U	5 U	5 U	5 U
Chlorobenzene	ug/L	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	5 U	5 U	5 U	5 U
Styrene	ug/L	5 U	5 U	5 U	5 U
Xylene (total)	ug/L	5 U	5 U	5 U	5 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELL
SUMMARY OF SEMI-VOLATILE ORGANIC CONCENTRATIONS

COMPOUND	MATRIX LOCATION	WATER MW-5	WATER MW-6	WATER MW-7	WATER MW-8	WATER MW-8A	WATER MW-9	WATER MW-10
	DATE MAIN ID LAB ID UNITS	01/08/92 MW-5 152138	01/14/92 MW-6 152488	01/10/92 MW-7 152211	01/15/92 MW-8 152578	01/15/92 MW-8A 152579	01/09/92 MW-9 152139	01/10/92 MW-10 152212
3-Nitroaniline	ug/L	52 U	54 U	55 U	54 U	55 U	52 U	55 U
Acenaphthene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
2,4-Dinitrophenol	ug/L	52 U	54 U	55 U	54 U	55 U	52 U	55 U
4-Nitrophenol	ug/L	52 U	54 U	55 U	54 U	55 U	52 U	55 U
Dibenzofuran	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
2,4-Dinitrotoluene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
Diethylphthalate	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
4-Chlorophenyl-phenylether	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
Fluorene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
4-Nitroaniline	ug/L	52 U	54 U	55 U	54 U	55 U	52 U	55 U
4,6-Dinitro-2-methylphenol	ug/L	52 U	54 U	55 U	54 U	55 U	52 U	55 U
N-Nitrosodiphenylamine (1)	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
4-Bromophenyl-phenylether	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
Hexachlorobenzene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
Pentachlorophenol	ug/L	52 U	54 U	55 U	54 U	55 U	52 U	55 U
Phenanthrene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
Anthracene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
Di-n-butylphthalate	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
Fluoranthene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
Pyrene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
Butylbenzylphthalate	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
3,3'-Dichlorobenzidine	ug/L	21 U	22 U	22 U	22 U	22 U	21 U	22 U
Benzo(a)anthracene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
Chrysene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
bi(2-Ethylhexyl)phthalate	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
Di-n-octylphthalate	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
Benzo(b)fluoranthene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
benzo(k)fluoranthene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
Benzo(a)pyrene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
Dibenz(a,h)anthracene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
Benzo(g,h,i)perylene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELL
SUMMARY OF SEMI-VOLATILE ORGANIC CONCENTRATIONS

COMPOUND	MATRIX LOCATION	WATER MW-11	WATER MW-12	WATER MW-13	WATER MW-14	WATER MW-14	WATER MW-15	WATER MW-16
	DATE MAIN ID LAB ID UNITS	01/15/91 MW-11 152580	01/15/92 MW-12 152581	01/09/92 MW-13 152140	01/15/92 MW-14 152582	01/15/92 MW-14A 152583	01/09/92 MW-15 152141	01/14/92 MW-16 152489
3-Nitroaniline	ug/L	55 U	56 U	51 U	51 U	55 U	56 U	54 U
Acenaphthene	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
2,4-Dinitrophenol	ug/L	55 U	56 U	51 U	51 U	55 U	56 U	54 U
4-Nitrophenol	ug/L	55 U	56 U	51 U	51 U	55 U	56 U	54 U
Dibenzofuran	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
2,4-Dinitrotoluene	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
Diethylphthalate	ug/L	4 BJ	9 BJ	10 U	6 BJ	6 BJ	11 U	11 U
4-Chlorophenyl-pbenylether	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
Fluorene	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
4-Nitroaniline	ug/L	55 U	56 U	51 U	51 U	55 U	56 U	54 U
4,6-Dinitro-2-methylphenol	ug/L	55 U	56 U	51 U	51 U	55 U	56 U	54 U
N-Nitrosodiphenylamine (1)	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
4-Bromophenyl-pbenylether	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
Hexachlorobenzene	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
Pentachlorophenol	ug/L	55 U	56 U	51 U	51 U	55 U	56 U	54 U
Pbenanthrene	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
Anthracene	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
Di-n-butylphthalate	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
Fluoranthene	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
Pyrene	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
Butylbenzylphthalate	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
3,3'-Dichlorobenzidine	ug/L	22 U	23 U	20 U	21 U	22 U	22 U	22 U
Benzo(a)anthracene	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
Chrysene	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
bis(2-Ethylhexyl)phthalate	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
Di-n-octylphthalate	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
Benzo(b)fluoranthene	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
benzo(k)fluoranthene	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
Benzo(a)pyrene	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
Dibenzo(a,h)anthracene	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
Benzo(g,h,i)perylene	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELL
SUMMARY OF SEMI-VOLATILE ORGANIC CONCENTRATIONS

COMPOUND	MATRIX LOCATION	WATER MW-16	WATER MW-17	WATER MW-18	WATER MW-18	WATER MW-19	WATER MW-21	WATER MW-22
	DATE MAIN ID LAB ID UNITS	01/14/92 MW-16A 152490	01/17/92 MW-17 152681	01/13/92 MW-18 152393	01/13/92 MW-18A 152394	01/16/92 MW-19 152630	01/08/92 MW-21 152142	01/13/92 MW-22 152395
3-Nitroaniline	ug/L	54 U	53 U	51 U	51 U	55 U	52 U	50 U
Acenaphthene	ug/L	11 U	11 U	10 U	10 U	11 U	10 U	10 U
2,4-Dinitrophenol	ug/L	54 U	53 U	51 U	51 U	55 U	52 U	50 U
4-Nitrophenol	ug/L	54 U	53 U	51 U	51 U	55 U	52 U	50 U
Dibenzofuran	ug/L	11 U	11 U	10 U	10 U	11 U	10 U	10 U
2,4-Dinitrotoluene	ug/L	11 U	11 U	10 U	10 U	11 U	10 U	10 U
Diethylphthalate	ug/L	11 U	11 U	10 U	10 U	11 U	10 U	10 U
4-Chlorophenyl-pbenylether	ug/L	11 U	11 U	10 U	10 U	11 U	10 U	10 U
Fluorene	ug/L	11 U	11 U	10 U	10 U	11 U	10 U	10 U
4-Nitroaniline	ug/L	54 U	53 U	51 U	51 U	55 U	52 U	50 U
4,6-Dinitro-2-methylphenol	ug/L	54 U	53 U	51 U	51 U	55 U	52 U	50 U
N-Nitrosodiphenylamine (1)	ug/L	11 U	11 U	10 U	10 U	11 U	10 U	10 U
4-Bromophenyl-pbenylether	ug/L	11 U	11 U	10 U	10 U	11 U	10 U	10 U
Hexachlorobenzene	ug/L	11 U	11 U	10 U	10 U	11 U	10 U	10 U
Pentachlorophenol	ug/L	54 U	53 U	51 U	51 U	55 U	52 U	50 U
Phenanthrene	ug/L	11 U	11 U	10 U	10 U	11 U	10 U	10 U
Anthracene	ug/L	11 U	11 U	10 U	10 U	11 U	10 U	10 U
Di-n-butylphthalate	ug/L	11 U	11 U	10 U	10 U	11 U	10 U	10 U
Fluoranthene	ug/L	11 U	11 U	10 U	10 U	11 U	10 U	10 U
Pyrene	ug/L	11 U	11 U	10 U	10 U	11 U	10 U	10 U
Butylbenzylphthalate	ug/L	11 U	11 U	10 U	10 U	11 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L	22 U	21 U	21 U	21 U	22 U	21 U	20 U
Benzo(a)anthracene	ug/L	11 U	11 U	10 U	10 U	11 U	10 U	10 U
Chrysene	ug/L	11 U	11 U	10 U	10 U	11 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	11 U	11 U	10 U	10 U	11 U	10 U	10 U
Di-n-octylphthalate	ug/L	11 U	11 U	10 U	10 U	11 U	10 U	10 U
Benzo(b)fluoranthene	ug/L	11 U	11 U	10 U	10 U	11 U	10 U	10 U
benzo(k)fluoranthene	ug/L	11 U	11 U	10 U	10 U	11 U	10 U	10 U
Benzo(a)pyrene	ug/L	11 U	11 U	10 U	10 U	11 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	11 U	10 U	10 U	11 U	10 U	10 U
Dibenzo(a,h)anthracene	ug/L	11 U	11 U	10 U	10 U	11 U	10 U	10 U
Benzo(g,h,i)perylene	ug/L	11 U	11 U	10 U	10 U	11 U	10 U	10 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELL
SUMMARY OF SEMI-VOLATILE ORGANIC CONCENTRATIONS

COMPOUND	MATRIX LOCATION	WATER MW-23	WATER MW-24	WATER MW-25	WATER MW-27	WATER MW-28	WATER MW-29	WATER MW-30
	DATE MAIN ID LAB ID UNITS	01/14/92 MW-23 152491	01/14/92 MW-24 152585	01/13/92 MW-25 152396	01/15/92 MW-27 152586	01/14/92 MW-28 152492	01/14/92 MW-29 152493	01/09/92 MW-30 152143
3-Nitroaniline	ug/L	55 U	55 U	53 U	55 U	50 U	54 U	52 U
Acenaphthene	ug/L	11 U	11 U	11 U	11 U	10 U	11 U	10 U
2,4-Dinitrophenol	ug/L	55 U	55 U	53 U	55 U	50 U	54 U	52 U
4-Nitrophenol	ug/L	55 U	55 U	53 U	55 U	50 U	54 U	52 U
Dibenzofuran	ug/L	11 U	11 U	11 U	11 U	10 U	11 U	10 U
2,4-Dinitrotoluene	ug/L	11 U	11 U	11 U	11 U	10 U	11 U	10 U
Diethylphthalate	ug/L	11 U	5 BJ	11 U	5 BJ	10 U	11 U	10 U
4-Chlorophenyl-phenylether	ug/L	11 U	11 U	11 U	11 U	10 U	11 U	10 U
Fluorene	ug/L	11 U	11 U	11 U	11 U	10 U	11 U	10 U
4-Nitroaniline	ug/L	55 U	55 U	53 U	55 U	50 U	54 U	52 U
4,6-Dinitro-2-methylphenol	ug/L	55 U	55 U	53 U	55 U	50 U	54 U	52 U
N-Nitrosodiphenylamine (1)	ug/L	11 U	11 U	11 U	11 U	10 U	11 U	10 U
4-Bromophenyl-phenylether	ug/L	11 U	11 U	11 U	11 U	10 U	11 U	10 U
Hexachlorobenzene	ug/L	11 U	11 U	11 U	11 U	10 U	11 U	10 U
Pentachlorophenol	ug/L	55 U	55 U	53 U	55 U	50 U	54 U	52 U
Phenanthrene	ug/L	11 U	11 U	11 U	11 U	10 U	11 U	10 U
Anthracene	ug/L	11 U	11 U	11 U	11 U	10 U	11 U	10 U
Di-n-butylphthalate	ug/L	11 U	11 U	11 U	11 U	10 U	11 U	10 U
Fluoranthene	ug/L	11 U	11 U	11 U	11 U	10 U	11 U	10 U
Pyrene	ug/L	11 U	11 U	11 U	11 U	10 U	11 U	10 U
Butylbenzylphthalate	ug/L	11 U	11 U	11 U	11 U	10 U	11 U	10 U
3,3'-Dichlorobenzidine	ug/L	22 U	22 U	21 U	22 U	20 U	22 U	21 U
Benzo(a)anthracene	ug/L	11 U	11 U	11 U	11 U	10 U	11 U	10 U
Chrysene	ug/L	11 U	11 U	11 U	11 U	10 U	11 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	11 U	11 U	11 U	11 U	10 U	11 U	10 U
Di-n-octylphthalate	ug/L	11 U	11 U	11 U	11 U	10 U	11 U	10 U
Benzo(b)fluoranthene	ug/L	11 U	11 U	11 U	11 U	10 U	11 U	10 U
benzo(k)fluoranthene	ug/L	11 U	11 U	11 U	11 U	10 U	11 U	10 U
Benzo(a)pyrene	ug/L	11 U	11 U	11 U	11 U	10 U	11 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	11 U	11 U	11 U	10 U	11 U	10 U
Dibenzo(a,b)anthracene	ug/L	11 U	11 U	11 U	11 U	10 U	11 U	10 U
Benzo(g,h,i)perylene	ug/L	11 U	11 U	11 U	11 U	10 U	11 U	10 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELL
SUMMARY OF SEMI-VOLATILE ORGANIC CONCENTRATIONS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER
	LOCATION	MW-31	MW-32	MW-34	MW-35
	DATE	01/16/92	01/16/92	01/08/92	01/08/92
	MAIN ID	MW-31	MW-32	MW-34	MW-35
	LAB ID	152631	152632	152145	152146
	UNITS				
3-Nitroaniline	ug/L	55 U	54 U	50 U	53 U
Acenaphthene	ug/L	11 U	11 U	10 U	11 U
2,4-Dinitrophenol	ug/L	55 U	54 U	50 U	53 U
4-Nitrophenol	ug/L	55 U	54 U	50 U	53 U
Dibenzofuran	ug/L	11 U	11 U	10 U	11 U
2,4-Dinitrotoluene	ug/L	11 U	11 U	10 U	11 U
Diethylphthalate	ug/L	11 U	11 U	10 U	11 U
4-Chlorophenyl-phenylether	ug/L	11 U	11 U	10 U	11 U
Fluorene	ug/L	11 U	11 U	10 U	11 U
4-Nitroaniline	ug/L	55 U	54 U	50 U	53 U
4,6-Dinitro-2-methylphenol	ug/L	55 U	54 U	50 U	53 U
N-Nitrosodiphenylamine (1)	ug/L	11 U	11 U	10 U	11 U
4-Bromophenyl-phenylether	ug/L	11 U	11 U	10 U	11 U
Hexachlorobenzene	ug/L	11 U	11 U	10 U	11 U
Pentachlorophenol	ug/L	55 U	54 U	50 U	53 U
Phenanthrene	ug/L	11 U	11 U	10 U	11 U
Anthracene	ug/L	11 U	11 U	10 U	11 U
Di-n-butylphthalate	ug/L	11 U	11 U	10 U	11 U
Fluoranthene	ug/L	11 U	11 U	10 U	11 U
Pyrene	ug/L	11 U	11 U	10 U	11 U
Butylbenzylphthalate	ug/L	11 U	11 U	10 U	11 U
3,3'-Dichlorobenzidine	ug/L	22 U	22 U	20 U	21 U
Benzo(a)anthracene	ug/L	11 U	11 U	10 U	11 U
Chrysene	ug/L	11 U	11 U	10 U	11 U
bia(2-Ethylhexyl)phthalate	ug/L	11 U	11 U	10 U	11 U
Di-n-octylphthalate	ug/L	11 U	11 U	10 U	11 U
Benzo(b)fluoranthene	ug/L	11 U	11 U	10 U	11 U
benzo(k)fluoranthene	ug/L	11 U	11 U	10 U	11 U
Benzo(a)pyrene	ug/L	11 U	11 U	10 U	11 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	11 U	10 U	11 U
Dibenz(a,h)anthracene	ug/L	11 U	11 U	10 U	11 U
Benzo(g,h,i)perylene	ug/L	11 U	11 U	10 U	11 U

SENECA ARMY DEPOT
OB GROUNDS

GROUNDWATER SAMPLING RESULTS
SUMMARY OF SEMI-VOLATILE RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	MW-5	MW-6	MW-7	MW-8	MW-8A	MW-9	MW-10
	DEPTH							
	DATE	01/08/91	01/14/92	01/10/92	01/15/92	01/15/92	01/09/92	01/10/92
	MAIN ID	MW-5	MW-6	MW-7	MW-8	MW-8A	MW-9	MW-10
LAB ID	152138	152488	152211	152578	152579	152139	152212	
UNITS								
Phenol	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
bis(2-Chloroethyl) ether	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
2-Chlorophenol	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
1,3-Dichlorobenzene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
1,4-Dichlorobenzene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
Benzyl Alcohol	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
1,2-Dichlorobenzene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
2-Methylphenol	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
bis(2-Chloroisopropyl) ether	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
4-Methylphenol	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
N-Nitroso-di-n-propylamine	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
Hexachloroethane	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
Nitrobenzene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
Isoborone	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
2-Nitrophenol	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
2,4-Dimethylphenol	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
Benzoic acid	ug/L	52 U	54 U	55 U	54 U	55 U	52 U	55 U
bis(2-Chloroethyl) methane	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
2,4-Dichlorophenol	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
1,2,4-Trichlorobenzene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
Naphthalene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
4-Chloroaniline	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
Hexachlorobutadiene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
4-Chloro-3-methylphenol	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
2-Methylnaphthalene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
Hexachlorocyclopentadiene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
2,4,6-Trichlorophenol	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
2,4,5-Trichlorophenol	ug/L	52 U	54 U	55 U	54 U	55 U	52 U	55 U
2-Chloronaphthalene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
2-Nitroaniline	ug/L	52 U	54 U	55 U	54 U	55 U	52 U	55 U
Dimethylphthalate	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
Acenaphthylene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U
2,6-Dinitrotoluene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U	11 U

SENECA ARMY DEPOT
OB GROUNDS

GROUNDWATER SAMPLING RESULTS
SUMMARY OF SEMI-VOLATILE RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION DEPTH	MW-11	MW-12	MW-13	MW-14	MW-14A	MW-15	MW-16
	DATE	01/15/92	01/15/92	01/09/92	01/15/92	01/15/92	01/09/92	01/14/92
	MAIN ID	MW-11	MW-12	MW-13	MW-14	MW-14A	MW-15	MW-16
	LAB ID	152580	152581	152140	152582	152583	152141	152489
	UNITS							
Phenol	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
bis(2-Chloroethyl) ether	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
2-Chlorophenol	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
1,3-Dichlorobenzene	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
1,4-Dichlorobenzene	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
Benzyl Alcohol	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
1,2-Dichlorobenzene	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
2-Methylphenol	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
bis(2-Chloroisopropyl) ether	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
4-Methylphenol	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
N-Nitroso-di-n-propylamine	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
Hexachloroethane	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
Nitrobenzene	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
Isophorone	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
2-Nitrophenol	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
2,4-Dimethylphenol	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
Benzoic acid	ug/L	55 U	56 U	51 U	51 U	55 U	56 U	54 U
bis(2-Chloroethoxy) methane	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
2,4-Dichlorophenol	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
1,2,4-Trichlorobenzene	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
Naphthalene	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
4-Chloroaniline	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
Hexachlorobutadiene	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
4-Chloro-3-methylphenol	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
2-Methylnaphthalene	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
Hexachlorocyclopentadiene	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
2,4,6-Trichlorophenol	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
2,4,5-Trichlorophenol	ug/L	55 U	56 U	51 U	51 U	55 U	56 U	54 U
2-Chloronaphthalene	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
2-Nitroaniline	ug/L	55 U	56 U	51 U	51 U	55 U	56 U	54 U
Dimethylphthalate	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
Acenaphthylene	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U
2,6-Dinitrotoluene	ug/L	11 U	11 U	10 U	10 U	11 U	11 U	11 U

SENECA ARMY DEPOT
OB GROUNDS

GROUNDWATER SAMPLING RESULTS
SUMMARY OF SEMI-VOLATILE RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	MW-16A	MW-17	MW-18	MW-18	MW-19	MW-21
	DEPTH						
	DATE	01/14/92	01/17/92	01/13/92	01/13/92	01/16/92	01/08/92
	MAIN ID	MW-16A	MW-17	MW-18	MW-18A	MW-19	MW-21
	LAB ID	152490	152681	152393	152394	152630	152142
	UNITS						
Phenol	ug/L	11 U	11 U	10 U	10 U	11 U	10 U
bis(2-Chloroethyl) ether	ug/L	11 U	11 U	10 U	10 U	11 U	10 U
2-Chlorophenol	ug/L	11 U	11 U	10 U	10 U	11 U	10 U
1,3-Dichlorobenzene	ug/L	11 U	11 U	10 U	10 U	11 U	10 U
1,4-Dichlorobenzene	ug/L	11 U	11 U	10 U	10 U	11 U	10 U
Benzyl Alcohol	ug/L	11 U	11 U	10 U	10 U	11 U	10 U
1,2-Dichlorobenzene	ug/L	11 U	11 U	10 U	10 U	11 U	10 U
2-Methylphenol	ug/L	11 U	11 U	10 U	10 U	11 U	10 U
bis(2-Chloroisopropyl) ether	ug/L	11 U	11 U	10 U	10 U	11 U	10 U
4-Methylphenol	ug/L	11 U	11 U	10 U	10 U	11 U	10 U
N-Nitroso-di-n-propylamine	ug/L	11 U	11 U	10 U	10 U	11 U	10 U
Hexachloroethane	ug/L	11 U	11 U	10 U	10 U	11 U	10 U
Nitrobenzene	ug/L	11 U	11 U	10 U	10 U	11 U	10 U
Isophorone	ug/L	11 U	11 U	10 U	10 U	11 U	10 U
2-Nitrophenol	ug/L	11 U	11 U	10 U	10 U	11 U	10 U
2,4-Dimethylphenol	ug/L	11 U	11 U	10 U	10 U	11 U	10 U
Benzoic acid	ug/L	54 U	53 U	51 U	51 U	55 U	52 U
bis(2-Chloroethoxy) methane	ug/L	11 U	11 U	10 U	10 U	11 U	10 U
2,4-Dichlorophenol	ug/L	11 U	11 U	10 U	10 U	11 U	10 U
1,2,4-Trichlorobenzene	ug/L	11 U	11 U	10 U	10 U	11 U	10 U
Naphthalene	ug/L	11 U	11 U	10 U	10 U	11 U	10 U
4-Chloroaniline	ug/L	11 U	11 U	10 U	10 U	11 U	10 U
Hexachlorobutadiene	ug/L	11 U	11 U	10 U	10 U	11 U	10 U
4-Chloro-3-methylphenol	ug/L	11 U	11 U	10 U	10 U	11 U	10 U
2-Methylnaphthalene	ug/L	11 U	11 U	10 U	10 U	11 U	10 U
Hexachlorocyclopentadiene	ug/L	11 U	11 U	10 U	10 U	11 U	10 U
2,4,6-Trichlorophenol	ug/L	11 U	11 U	10 U	10 U	11 U	10 U
2,4,5-Trichlorophenol	ug/L	54 U	53 U	51 U	51 U	55 U	52 U
2-Chloronaphthalene	ug/L	11 U	11 U	10 U	10 U	11 U	10 U
2-Nitroaniline	ug/L	54 U	53 U	51 U	51 U	55 U	52 U
Dimethylphthalate	ug/L	11 U	11 U	10 U	10 U	11 U	10 U
Acenaphthylene	ug/L	11 U	11 U	10 U	10 U	11 U	10 U
2,6-Dinitrotoluene	ug/L	11 U	11 U	10 U	10 U	11 U	10 U

SENECA ARMY DEPOT
OB GROUNDS

GROUNDWATER SAMPLING RESULTS
SUMMARY OF SEMI-VOLATILE RESULTS

COMPOUND	MATRIX LOCATION DEPTH	WATER MW-22	WATER MW-23	WATER MW-24	WATER MW-25	WATER MW-27	WATER MW-28
	DATE MAIN ID LAB ID UNITS	01/13/92 MW-22 152395	01/14/92 MW-23 152491	01/14/92 MW-24 152585	01/13/92 MW-25 152396	01/15/92 MW-27 152586	01/14/92 MW-28 152492
Phenol	ug/L	10 U	11 U	11 U	11 U	11 U	10 U
bis(2-Chloroethyl) ether	ug/L	10 U	11 U	11 U	11 U	11 U	10 U
2-Chlorophenol	ug/L	10 U	11 U	11 U	11 U	11 U	10 U
1,3-Dichlorobenzene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U
1,4-Dichlorobenzene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U
Benzyl Alcohol	ug/L	10 U	11 U	11 U	11 U	11 U	10 U
1,2-Dichlorobenzene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U
2-Methylphenol	ug/L	10 U	11 U	11 U	11 U	11 U	10 U
bis(2-Chloroisopropyl) ether	ug/L	10 U	11 U	11 U	11 U	11 U	10 U
4-Methylphenol	ug/L	10 U	11 U	11 U	11 U	11 U	10 U
N-Nitroso-di-n-propylamine	ug/L	10 U	11 U	11 U	11 U	11 U	10 U
Hexachlorocyclohexane	ug/L	10 U	11 U	11 U	11 U	11 U	10 U
Nitrobenzene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U
Isophorone	ug/L	10 U	11 U	11 U	11 U	11 U	10 U
2-Nitrophenol	ug/L	10 U	11 U	11 U	11 U	11 U	10 U
2,4-Dimethylphenol	ug/L	10 U	11 U	11 U	11 U	11 U	10 U
Benzoic acid	ug/L	50 U	55 U	55 U	53 U	55 U	50 U
bis(2-Chloroethyl) methane	ug/L	10 U	11 U	11 U	11 U	11 U	10 U
2,4-Dichlorophenol	ug/L	10 U	11 U	11 U	11 U	11 U	10 U
1,2,4-Trichlorobenzene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U
Naphthalene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U
4-Chloroaniline	ug/L	10 U	11 U	11 U	11 U	11 U	10 U
Hexachlorobutadiene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U
4-Chloro-3-methylphenol	ug/L	10 U	11 U	11 U	11 U	11 U	10 U
2-Methylnaphthalene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U
Hexachlorocyclopentadiene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U
2,4,6-Trichlorophenol	ug/L	10 U	11 U	11 U	11 U	11 U	10 U
2,4,5-Trichlorophenol	ug/L	50 U	55 U	55 U	53 U	55 U	50 U
2-Chloronaphthalene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U
2-Nitroaniline	ug/L	50 U	55 U	55 U	53 U	55 U	50 U
Dimethylphthalate	ug/L	10 U	11 U	11 U	11 U	11 U	10 U
Acenaphthylene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U
2,6-Dinitrotoluene	ug/L	10 U	11 U	11 U	11 U	11 U	10 U

SENECA ARMY DEPOT
OB GROUNDS

GROUNDWATER SAMPLING RESULTS
SUMMARY OF SEMI-VOLATILE RESULTS

COMPOUND	MATRIX LOCATION DEPTH DATE MAIN ID LAB ID UNITS	WATER MW-29	WATER MW-31	WATER MW-32	WATER MW-34	WATER MW-35
Phenol	ug/L	11 U	11 U	11 U	10 U	11 U
bis(2-Chloroethyl) ether	ug/L	11 U	11 U	11 U	10 U	11 U
2-Chlorophenol	ug/L	11 U	11 U	11 U	10 U	11 U
1,3-Dichlorobenzene	ug/L	11 U	11 U	11 U	10 U	11 U
1,4-Dichlorobenzene	ug/L	11 U	11 U	11 U	10 U	11 U
Benzyl Alcohol	ug/L	11 U	11 U	11 U	10 U	11 U
1,2-Dichlorobenzene	ug/L	11 U	11 U	11 U	10 U	11 U
2-Methylphenol	ug/L	11 U	11 U	11 U	10 U	11 U
bis(2-Chloroisopropyl) ether	ug/L	11 U	11 U	11 U	10 U	11 U
4-Methylphenol	ug/L	11 U	11 U	11 U	10 U	11 U
N-Nitroso-N-n-propylamine	ug/L	11 U	11 U	11 U	10 U	11 U
Hexachloroethane	ug/L	11 U	11 U	11 U	10 U	11 U
Nitrobenzene	ug/L	11 U	11 U	11 U	10 U	11 U
Isophorone	ug/L	11 U	11 U	11 U	10 U	11 U
2-Nitrophenol	ug/L	11 U	11 U	11 U	10 U	11 U
2,4-Dimethylphenol	ug/L	11 U	11 U	11 U	10 U	11 U
Benzoic acid	ug/L	54 U	55 U	54 U	50 U	53 U
bis(2-Chloroethyl) methane	ug/L	11 U	11 U	11 U	10 U	11 U
2,4-Dichlorophenol	ug/L	11 U	11 U	11 U	10 U	11 U
1,2,4-Trichlorobenzene	ug/L	11 U	11 U	11 U	10 U	11 U
Naphthalene	ug/L	11 U	11 U	11 U	10 U	11 U
4-Chloroaniline	ug/L	11 U	11 U	11 U	10 U	11 U
Hexachlorobutadiene	ug/L	11 U	11 U	11 U	10 U	11 U
4-Chloro-3-methylphenol	ug/L	11 U	11 U	11 U	10 U	11 U
2-Methylnaphthalene	ug/L	11 U	11 U	11 U	10 U	11 U
Hexachlorocyclopentadiene	ug/L	11 U	11 U	11 U	10 U	11 U
2,4,6-Trichlorophenol	ug/L	11 U	11 U	11 U	10 U	11 U
2,4,5-Trichlorophenol	ug/L	54 U	55 U	54 U	50 U	53 U
2-Chloronaphthalene	ug/L	11 U	11 U	11 U	10 U	11 U
2-Nitroaniline	ug/L	54 U	55 U	54 U	50 U	53 U
Dimethylphthalate	ug/L	11 U	11 U	11 U	10 U	11 U
Acenaphthylene	ug/L	11 U	11 U	11 U	10 U	11 U
2,6-Dinitrotoluene	ug/L	11 U	11 U	11 U	10 U	11 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
PESTICEDES AND PCB'S ANALYSIS

COMPOUND	UNITS	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER
		LOCATION	OB	OB	OB	OB	OB	OB	OB
		DATE MAIN ID LAB ID	01/08/92 MW-5 152138	01/14/92 MW-6 152488	01/10/92 MW-7 152211	01/15/92 MW-8 152578	01/15/92 MW-8A 152579	01/09/92 MW-9 152139	01/10/92 MW-10 152212
alpha-BHC	ug/L		0.05 U	0.053 U	0.057 U	0.056 U	0.058 U	0.054 U	0.062 U
beta-BHC	ug/L		0.05 U	0.053 U	0.057 U	0.056 U	0.058 U	0.054 U	0.062 U
delta-BHC	ug/L		0.05 U	0.053 U	0.057 U	0.056 U	0.058 U	0.054 U	0.062 U
gamma-BHC (Lindane)	ug/L		0.05 U	0.053 U	0.057 U	0.056 U	0.058 U	0.054 U	0.062 U
Heptachlor	ug/L		0.05 U	0.053 U	0.057 U	0.056 U	0.058 U	0.054 U	0.062 U
Aldrin	ug/L		0.05 U	0.053 U	0.057 U	0.056 U	0.058 U	0.054 U	0.062 U
Heptachlor epoxide	ug/L		0.05 U	0.053 U	0.057 U	0.056 U	0.058 U	0.054 U	0.062 U
Endosulfan I	ug/L		0.05 U	0.053 U	0.057 U	0.056 U	0.058 U	0.054 U	0.062 U
Dieldrin	ug/L		0.1 U	0.11 U	0.11 U	0.11 U	0.12 U	0.11 U	0.12 U
4,4'-DDE	ug/L		0.1 U	0.11 U	0.11 U	0.11 U	0.12 U	0.11 U	0.12 U
Endrin	ug/L		0.1 U	0.11 U	0.11 U	0.11 U	0.12 U	0.11 U	0.12 U
Endosulfan II	ug/L		0.1 U	0.11 U	0.11 U	0.11 U	0.12 U	0.11 U	0.12 U
4,4'-DDD	ug/L		0.1 U	0.11 U	0.11 U	0.11 U	0.12 U	0.11 U	0.12 U
Endosulfan sulfate	ug/L		0.1 U	0.11 U	0.11 U	0.11 U	0.12 U	0.11 U	0.12 U
4,4'-DDT	ug/L		0.1 U	0.11 U	0.11 U	0.11 U	0.12 U	0.11 U	0.12 U
Methoxychlor	ug/L		0.5 U	0.53 U	0.57 U	0.56 U	0.58 U	0.54 U	0.62 U
Endrin ketone	ug/L		0.1 U	0.11 U	0.11 U	0.11 U	0.12 U	0.11 U	0.12 U
alpha-Chlordane	ug/L		0.5 U	0.53 U	0.57 U	0.56 U	0.58 U	0.54 U	0.62 U
gamma-Chlordane	ug/L		0.5 U	0.53 U	0.57 U	0.56 U	0.58 U	0.54 U	0.62 U
Toxaphene	ug/L		1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U
Aroclor-1016	ug/L		0.5 U	0.53 U	0.57 U	0.56 U	0.58 U	0.54 U	0.62 U
Aroclor-1221	ug/L		0.5 U	0.53 U	0.57 U	0.56 U	0.58 U	0.54 U	0.62 U
Aroclor-1232	ug/L		0.5 U	0.53 U	0.57 U	0.56 U	0.58 U	0.54 U	0.62 U
Aroclor-1242	ug/L		0.5 U	0.53 U	0.57 U	0.56 U	0.58 U	0.54 U	0.62 U
Aroclor-1248	ug/L		0.5 U	0.53 U	0.57 U	0.56 U	0.58 U	0.54 U	0.62 U
Aroclor-1254	ug/L		1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U
Aroclor-1260	ug/L		1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
PESTICEDES AND PCB'S ANALYSIS

COMPOUND	UNITS	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER
		LOCATION	OB	OB	OB	OB	OB	OB	OB
		DATE	01/15/92	01/15/92	01/09/92	01/15/92	01/15/92	01/09/92	01/15/92
MAIN ID	MW-11	MW-12	MW-13	MW-14	MW-14A	MW-15	MW-16		
LAB ID	152580	152581	152140	152582	152583	152141	152489		
alpha-BHC	ug/L		0.05 U	0.058 U	0.058 U	0.056 U	0.052 U	0.06 U	0.056 U
beta-BHC	ug/L		0.05 U	0.058 U	0.058 U	0.056 U	0.052 U	0.06 U	0.056 U
delta-BHC	ug/L		0.05 U	0.058 U	0.058 U	0.056 U	0.052 U	0.06 U	0.056 U
gamma-BHC (Lindane)	ug/L		0.05 U	0.058 U	0.058 U	0.056 U	0.052 U	0.06 U	0.056 U
Heptachlor	ug/L		0.05 U	0.058 U	0.058 U	0.056 U	0.052 U	0.06 U	0.056 U
Aldrin	ug/L		0.05 U	0.058 U	0.058 U	0.056 U	0.052 U	0.06 U	0.056 U
Heptachlor epoxide	ug/L		0.05 U	0.058 U	0.058 U	0.056 U	0.052 U	0.06 U	0.056 U
Endosulfan I	ug/L		0.05 U	0.058 U	0.058 U	0.056 U	0.052 U	0.06 U	0.056 U
Dieldrin	ug/L		0.1 U	0.12 U	0.12 U	0.11 U	0.1 U	0.12 U	0.11 U
4,4'-DDE	ug/L		0.1 U	0.12 U	0.12 U	0.11 U	0.1 U	0.12 U	0.11 U
Endrin	ug/L		0.1 U	0.12 U	0.12 U	0.11 U	0.1 U	0.12 U	0.11 U
Endosulfan II	ug/L		0.1 U	0.12 U	0.12 U	0.11 U	0.1 U	0.12 U	0.11 U
4,4'-DDD	ug/L		0.1 U	0.12 U	0.12 U	0.11 U	0.1 U	0.12 U	0.11 U
Endosulfan sulfate	ug/L		0.1 U	0.12 U	0.12 U	0.11 U	0.1 U	0.12 U	0.11 U
4,4'-DDT	ug/L		0.1 U	0.12 U	0.12 U	0.11 U	0.1 U	0.12 U	0.11 U
Methoxychlor	ug/L		0.5 U	0.58 U	0.58 U	0.56 U	0.52 U	0.6 U	0.56 U
Endrin ketone	ug/L		0.1 U	0.12 U	0.12 U	0.11 U	0.1 U	0.12 U	0.11 U
alpha-Chlordane	ug/L		0.5 U	0.58 U	0.58 U	0.56 U	0.52 U	0.6 U	0.56 U
gamma-Chlordane	ug/L		0.5 U	0.58 U	0.58 U	0.56 U	0.52 U	0.6 U	0.56 U
Toxaphene	ug/L		1 U	1.2 U	1.2 U	1.1 U	1 U	1.2 U	1.1 U
Aroclor-1016	ug/L		0.5 U	0.58 U	0.58 U	0.56 U	0.52 U	0.6 U	0.56 U
Aroclor-1221	ug/L		0.5 U	0.58 U	0.58 U	0.56 U	0.52 U	0.6 U	0.56 U
Aroclor-1232	ug/L		0.5 U	0.58 U	0.58 U	0.56 U	0.52 U	0.6 U	0.56 U
Aroclor-1242	ug/L		0.5 U	0.58 U	0.58 U	0.56 U	0.52 U	0.6 U	0.56 U
Aroclor-1248	ug/L		0.5 U	0.58 U	0.58 U	0.56 U	0.52 U	0.6 U	0.56 U
Aroclor-1254	ug/L		1 U	1.2 U	1.2 U	1.1 U	1 U	1.2 U	1.1 U
Aroclor-1260	ug/L		1 U	1.2 U	1.2 U	1.1 U	1 U	1.2 U	1.1 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
PESTICEDES AND PCB'S ANALYSIS

COMPOUND	UNITS	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER
		LOCATION	OB	OB	OB	OB	OB	OB	OB
		DATE	01/14/92	01/17/92	01/13/92	01/13/91	01/16/92	01/08/92	01/13/92
MAIN ID	MW-16A	MW-17	MW-18	MW-18A	MW-19	MW-21	MW-22		
LAB ID	152490	152681	152393	152394	152630	152142	152395		
alpha-BHC	ug/L		0.057 U	0.052 U	0.051 U	0.052 U	0.056 U	0.052 U	0.053 U
beta-BHC	ug/L		0.057 U	0.052 U	0.051 U	0.052 U	0.056 U	0.052 U	0.053 U
delta-BHC	ug/L		0.057 U	0.052 U	0.051 U	0.052 U	0.056 U	0.052 U	0.053 U
gamma-BHC (Lindane)	ug/L		0.057 U	0.052 U	0.051 U	0.052 U	0.056 U	0.052 U	0.053 U
Heptachlor	ug/L		0.057 U	0.052 U	0.051 U	0.052 U	0.056 U	0.052 U	0.053 U
Aldrin	ug/L		0.057 U	0.052 U	0.051 U	0.052 U	0.056 U	0.052 U	0.053 U
Heptachlor epoxide	ug/L		0.057 U	0.052 U	0.051 U	0.052 U	0.056 U	0.052 U	0.053 U
Endosulfan I	ug/L		0.057 U	0.052 U	0.051 U	0.052 U	0.056 U	0.052 U	0.053 U
Dieldrin	ug/L		0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.11 U
4,4'-DDE	ug/L		0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.11 U
Endrin	ug/L		0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.11 U
Endosulfan II	ug/L		0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.11 U
4,4'-DDD	ug/L		0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.11 U
Endosulfan sulfate	ug/L		0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.11 U
4,4'-DDT	ug/L		0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.11 U
Methoxychor	ug/L		0.57 U	0.52 U	0.51 U	0.52 U	0.56 U	0.52 U	0.53 U
Endrin ketone	ug/L		0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.11 U
alpha-Chlordane	ug/L		0.57 U	0.52 U	0.51 U	0.52 U	0.56 U	0.52 U	0.53 U
gamma-Chlordane	ug/L		0.57 U	0.52 U	0.51 U	0.52 U	0.56 U	0.52 U	0.53 U
Toxaphene	ug/L		1.1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U
Aroclor-1016	ug/L		0.57 U	0.52 U	0.51 U	0.52 U	0.56 U	0.52 U	0.53 U
Aroclor-1221	ug/L		0.57 U	0.52 U	0.51 U	0.52 U	0.56 U	0.52 U	0.53 U
Aroclor-1232	ug/L		0.57 U	0.52 U	0.51 U	0.52 U	0.56 U	0.52 U	0.53 U
Aroclor-1242	ug/L		0.57 U	0.52 U	0.51 U	0.52 U	0.56 U	0.52 U	0.53 U
Aroclor-1248	ug/L		0.57 U	0.52 U	0.51 U	0.52 U	0.56 U	0.52 U	0.53 U
Aroclor-1254	ug/L		1.1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U
Aroclor-1260	ug/L		1.1 U	1 U	1 U	1 U	1.1 U	1 U	1.1 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
PESTICEDES AND PCB'S ANALYSIS

COMPOUND	UNITS	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
		LOCATION	OB	OB	OB	OB	OB	OB
		DATE	01/14/92	01/14/92	01/13/92	01/15/92	01/14/92	01/14/92
MAIN ID	MW-23	MW-24	MW-25	MW-27	MW-28	MW-29		
LAB ID	152491	152585	152396	152586	152492	152493		
alpha-BHC	ug/L		0.056 U	0.052 U	0.053 U	0.053 U	0.05 U	0.054 U
beta-BHC	ug/L		0.056 U	0.052 U	0.053 U	0.053 U	0.05 U	0.054 U
delta-BHC	ug/L		0.056 U	0.052 U	0.053 U	0.053 U	0.05 U	0.054 U
gamma-BHC (Lindane)	ug/L		0.056 U	0.052 U	0.053 U	0.053 U	0.05 U	0.054 U
Heptachlor	ug/L		0.056 U	0.052 U	0.053 U	0.053 U	0.05 U	0.054 U
Aldrin	ug/L		0.056 U	0.052 U	0.053 U	0.053 U	0.05 U	0.054 U
Heptachlor epoxide	ug/L		0.056 U	0.052 U	0.053 U	0.053 U	0.05 U	0.054 U
Endosulfan I	ug/L		0.056 U	0.052 U	0.053 U	0.053 U	0.05 U	0.054 U
Dieldrin	ug/L		0.11 U	0.1 U	0.11 U	0.11 U	0.1 U	0.11 U
4,4'-DDE	ug/L		0.11 U	0.1 U	0.11 U	0.11 U	0.1 U	0.11 U
Endrin	ug/L		0.11 U	0.1 U	0.11 U	0.11 U	0.1 U	0.11 U
Endosulfan II	ug/L		0.11 U	0.1 U	0.11 U	0.11 U	0.1 U	0.11 U
4,4'-DDD	ug/L		0.11 U	0.1 U	0.11 U	0.11 U	0.1 U	0.11 U
Endosulfan sulfate	ug/L		0.11 U	0.1 U	0.11 U	0.11 U	0.1 U	0.11 U
4,4'-DDT	ug/L		0.11 U	0.1 U	0.11 U	0.11 U	0.1 U	0.11 U
Methoxychlor	ug/L		0.56 U	0.52 U	0.53 U	0.53 U	0.5 U	0.54 U
Endrin ketone	ug/L		0.11 U	0.1 U	0.11 U	0.11 U	0.1 U	0.11 U
alpha-Chlordane	ug/L		0.56 U	0.52 U	0.53 U	0.53 U	0.5 U	0.54 U
gamma-Chlordane	ug/L		0.56 U	0.52 U	0.53 U	0.53 U	0.5 U	0.54 U
Toxaphene	ug/L		1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U
Aroclor-1016	ug/L		0.56 U	0.52 U	0.53 U	0.53 U	0.5 U	0.54 U
Aroclor-1221	ug/L		0.56 U	0.52 U	0.53 U	0.53 U	0.5 U	0.54 U
Aroclor-1232	ug/L		0.56 U	0.52 U	0.53 U	0.53 U	0.5 U	0.54 U
Aroclor-1242	ug/L		0.56 U	0.52 U	0.53 U	0.53 U	0.5 U	0.54 U
Aroclor-1248	ug/L		0.56 U	0.52 U	0.53 U	0.53 U	0.5 U	0.54 U
Aroclor-1254	ug/L		1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U
Aroclor-1260	ug/L		1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
PESTICEDES AND PCB'S ANANLYSIS

COMPOUND	UNITS	MATRIX	WATER	WATER	WATER	WATER	WATER
		LOCATION	OB	OB	OB	OB	OB
		DATE	01/09/92	01/16/92	01/16/92	01/08/92	01/08/92
MAIN ID	MW-30	MW-31	MW-32	MW-34	MW-35		
LAB ID	152143	152631	152632	152145	152146		
alpha-BHC	ug/L		0.05 U	0.052 U	0.05 U	0.053 U	0.054 U
beta-BHC	ug/L		0.05 U	0.052 U	0.05 U	0.053 U	0.054 U
delta-BHC	ug/L		0.05 U	0.052 U	0.05 U	0.053 U	0.054 U
gamma-BHC (Lindane)	ug/L		0.05 U	0.052 U	0.05 U	0.053 U	0.054 U
Heptachlor	ug/L		0.05 U	0.052 U	0.05 U	0.053 U	0.054 U
Aldrin	ug/L		0.05 U	0.052 U	0.05 U	0.053 U	0.054 U
Heptachlor eponide	ug/L		0.05 U	0.052 U	0.05 U	0.053 U	0.054 U
Endosulfan I	ug/L		0.05 U	0.052 U	0.05 U	0.053 U	0.054 U
Dieldrin	ug/L		0.099 U	0.1 U	0.1 U	0.11 U	0.11 U
4,4'-DDE	ug/L		0.099 U	0.1 U	0.1 U	0.11 U	0.11 U
Endrin	ug/L		0.099 U	0.1 U	0.1 U	0.11 U	0.11 U
Endosulfan II	ug/L		0.099 U	0.1 U	0.1 U	0.11 U	0.11 U
4,4'-DDD	ug/L		0.099 U	0.1 U	0.1 U	0.11 U	0.11 U
Endosulfan sulfate	ug/L		0.099 U	0.1 U	0.1 U	0.11 U	0.11 U
4,4'-DDT	ug/L		0.099 U	0.1 U	0.1 U	0.11 U	0.11 U
Methoxychor	ug/L		0.5 U	0.52 U	0.5 U	0.53 U	0.54 U
Endrin ketone	ug/L		0.099 U	0.1 U	0.1 U	0.11 U	0.11 U
alpha-Chlordane	ug/L		0.5 U	0.52 U	0.5 U	0.53 U	0.54 U
gamma-Chlordane	ug/L		0.5 U	0.52 U	0.5 U	0.53 U	0.54 U
Toxaphene	ug/L		0.99 U	1 U	1 U	1.1 U	1.1 U
Aroclor-1016	ug/L		0.5 U	0.52 U	0.5 U	0.53 U	0.54 U
Aroclor-1221	ug/L		0.5 U	0.52 U	0.5 U	0.53 U	0.54 U
Aroclor-1232	ug/L		0.5 U	0.52 U	0.5 U	0.53 U	0.54 U
Aroclor-1242	ug/L		0.5 U	0.52 U	0.5 U	0.53 U	0.54 U
Aroclor-1248	ug/L		0.5 U	0.52 U	0.5 U	0.53 U	0.54 U
Aroclor-1254	ug/L		0.99 U	1 U	1 U	1.1 U	1.1 U
Aroclor-1260	ug/L		0.99 U	1 U	1 U	1.1 U	1.1 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
EXPLOSIVES

COMPOUND	MATRIX LOCATION	DATE MAIN ID LAB ID UNITS	WATER OB 01/08/92 MW-5 152138	WATER OB 01/14/92 MW-6 152488	WATER OB 01/10/92 MW-7 152211	WATER OB 01/15/92 MW-8 152578	WATER OB 01/15/92 MW-8A 152579	WATER OB 01/09/92 MW-9 152139	WATER OB 01/10/92 MW-10 152212
HMX	ug/L		1 U	1 U	1 U	1 U	1 U	1 U	1 U
RDX	ug/L		0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
1,3,5-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		0.4 U	0.4 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	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

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
EXPLOSIVES

COMPOUND	MATRIX LOCATION	WATER OB	WATER OB	WATER OB	WATER OB	WATER OB	WATER OB	WATER OB
	DATE MAIN ID LAB ID UNITS	01/15/92 MW-11 152580	01/15/92 MW-12 152581	01/09/92 MW-13 152140	01/15/92 MW-14 152582	01/15/92 MW-14A 152583	01/09/92 MW-15 152141	01/15/92 MW-16 152489
HMX	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U
RDX	ug/L	0.12 U	0.12 U	0.6	0.12 U	0.12 U	0.082 Y	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	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	0.4 U	0.4 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	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

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
EXPLOSIVES

COMPOUND	MATRIX LOCATION	DATE MAIN ID LAB ID UNITS	WATER OB 01/14/92 MW-16A 152490	WATER OB 01/17/92 MW-17 152681	WATER OB 01/13/92 MW-18 152393	WATER OB 01/13/91 MW-18A 152394	WATER OB 01/16/92 MW-19 152630	WATER OB 01/08/92 MW-21 152142	WATER OB 01/13/92 MW-22 152395
HMX	ug/L		1 U	1 U	1 U	1 U	1 U	1 U	1 U
RDX	ug/L		0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
1,3,5-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		0.4 U	0.4 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	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

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
EXPLOSIVES

COMPOUND	MATRIX LOCATION	DATE MAIN ID LAB ID UNITS	WATER OB 01/14/92 MW-23 152491	WATER OB 01/14/92 MW-24 152585	WATER OB 01/13/92 MW-25 152396	WATER OB 01/15/92 MW-27 152586	WATER OB 01/14/92 MW-28 152492	WATER OB 01/14/92 MW-29 152493
HMX	ug/L		1 U	1 U	1 U	1 U	1 U	1 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		0.4 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	0.21	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	0.087 Y	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
INORGANIC ANALYSIS

THRU 150047 ANALYTE	MATRIX LOCATION	WATER OB	WATER OB	WATER OB	WATER OB	WATER OB	WATER OB	WATER OB
	DATE MAIN ID LAB ID UNITS	01/08/92 MW-5 152138	01/14/92 MW-6 152488	01/10/92 MW-7 152211	01/15/92 MW-8 152578	01/15/92 MW-8A 152579	01/09/92 MW-9 152139	01/10/92 MW-10 152212
Aluminum	ug/l	3540	5490	27500	52800	82500	5880	72200
Antimony	ug/l	55.8 U	53.2 U	55.8 U	52.9 U	53 U	55.7 U	55.6 U
Arsenic	ug/l	3.5 U	3.5 U	3.5 U	11.3	15.8	3.5 U	3.5 U
Barium	ug/l	71.3 B	108 B	253	827	1410	181 B	638
Beryllium	ug/l	1.2 U	1.1 U	2.5 B	2.6 B	3.7 B	1.9 B	4.3 B
Cadmium	ug/l	2.9 U	3 U	2.9 U	10.7	15.5	2.9 U	7.1
Calcium	ug/l	95500	110000	122000	454000	510000	169000	223000
Chromium	ug/l	7.1 B	9.2 B	36.7	81	133	9.4 B	96.7
Cobalt	ug/l	19.9 U	20.4 U	19.9 U	65	83.1	19.9 U	98.6
Copper	ug/l	24.7 B	12 B	42.7	53.1	87.7	14.4 U	80.3
Iron	ug/l	4960	7660	39600	83100	137000	7640	108000
Lead	ug/l	1.4 B	3.4	37.3	86.3	147	4.6	57.9
Magnesium	ug/l	20600	38300	28700	98200	110000	40800	36800
Manganese	ug/l	71.6	151	707	1780	2330	200	3970
Mercury	ug/l	0.18 B	0.17 B	0.23	0.19 B	0.22	0.19 B	0.27
Nickel	ug/l	15.9 U	17.8 B	59.9	148	232	16.7 B	139
Potassium	ug/l	1280 B	2280 B	5600	12000	14600	2570 B	11000
Selenium	ug/l	1 U	1.8 B	1 U	5 U	5 U	1 U	10 U
Silver	ug/l	9.1 U	6.2 B	9.1 U	6.5 B	5.9 B	9.1 U	9 U
Sodium	ug/l	17900	15700	5190	18200	17900	13000	13700
Thallium	ug/l	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
Vanadium	ug/l	30.5 U	13 B	34.2 B	75.8	115	30.4 U	103
Zinc	ug/l	27.3	41.5	133	179	302	29.3	291
Cyanide	ug/l	10 U	10 U	10 U	10 U	10 U	10 U	10 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
INORGANIC ANALYSIS

THRU 150047 ANALYTE	MATRIX LOCATION	WATER OB	WATER OB	WATER OB	WATER OB	WATER OB	WATER OB	WATER OB
	DATE MAIN ID LAB ID UNITS	01/15/92 MW11 152580	01/15/92 MW-12 152581	01/09/92 MW-13 152140	01/15/92 MW-14 152582	01/15/92 MW-14A 152583	01/09/92 MW-15 152141	01/15/92 MW-16 152489
Aluminum	ug/l	222	37400	12200	29100	32000	30700	6170
Antimony	ug/l	53.1 U	53 U	55.5 U	53.3 U	52.9 U	55.5 U	53 U
Arsenic	ug/l	3.5 U	3.5 B	3.5 U	6.2 B	4.9 B	6.2 B	3.5 U
Barium	ug/l	124 B	361	160 B	801	768	481	86.9 B
Beryllium	ug/l	1.1 U	2.1 B	2.2 B	1.1 U	1.4 B	2.5 B	1.1 U
Cadmium	ug/l	3 U	63	2.9 U	5.8	5.7	3.4 B	3 U
Calcium	ug/l	198000	97400	142000	188000	189000	293000	126000
Chromium	ug/l	6.2 U	53.4	13.8	43.8	46.1	50	7.9 B
Cobalt	ug/l	20.4 U	48.2 B	19.8 U	32.2 B	32.3 B	28.6 B	20.3 U
Copper	ug/l	10.1 U	64.8	25.4	57.9	61.6	67.4	10.1 U
Iron	ug/l	486	55200	13700	46300	50500	49600	7930
Lead	ug/l	1.2 U	46	32	60.1	63.5	123	9.1
Magnesium	ug/l	32400	69100	27100	43800	44200	54900	26900
Manganese	ug/l	23.8	1030	175	765	807	564	146
Mercury	ug/l	0.16 B	0.26	0.22	0.26	0.25	0.25	0.15 B
Nickel	ug/l	14.7 U	90.3	22.4 B	67.5	85.5	71.8	14.7 U
Potassium	ug/l	1470 B	11300	3330 B	6170	7430	7100	2890 B
Selenium	ug/l	1 U	1 U	1 U	4.4 B	4.2 B	1.5 B	4.8 B
Silver	ug/l	7.4 B	8.1 B	9 U	6 B	4.9 B	9 U	5.3 B
Sodium	ug/l	33200	23800	16000	36100	38400	31600	9920
Thallium	ug/l	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
Vanadium	ug/l	9.4 U	44.9 B	31.1 B	42.3 B	51.4	34.1 B	10.7 B
Zinc	ug/l	8.4 U	194	86.1	163	154	169	41.4
Cyanide	ug/l	10 U	10 U	10 U	10 U	10 U	10 U	10 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
INORGANIC ANALYSIS

THRU 150047 ANALYTE	MATRIX LOCATION	WATER OB	WATER OB	WATER OB	WATER OB	WATER OB	WATER OB	WATER OB
	DATE MAIN ID LAB ID UNITS	01/14/92 MW-16A 152490	01/17/92 MW-17 152681	01/13/92 MW-18 152393	01/13/91 MW-18A 152394	01/16/92 MW-19 152630	01/08/92 MW-21 152142	01/13/92 MW-22 152395
Aluminum	ug/l	5960	28200	9100	8660	243000	1880	13100
Antimony	ug/l	53.1 U	65.7	56.8 B	55.8 U	52.9 U	55.9 U	55.8 U
Arsenic	ug/l	3.5 U	3.5 U	3.5 U	3.5 U	4.1 B	3.5 U	3.5 U
Barium	ug/l	87.5 B	355	195 B	182 B	2230	47.5 B	154 B
Beryllium	ug/l	1.1 U	2.8 B	2 B	2.1 B	12.8	1.6 B	2 B
Cadmium	ug/l	3 U	3.6 B	2.9 U	2.9 U	51.9	2.9 U	2.9 U
Calcium	ug/l	123000	126000	143000	140000	1780000	94100	121000
Chromium	ug/l	7.8 B	40.7	11.8	10.9	408	6.2 U	18.7
Cobalt	ug/l	20.4 U	37.2 B	19.9 U	19.9 U	208	20 U	19.9 U
Copper	ug/l	10.1 U	66.9	14.4 U	14.4 U	525	14.5 U	30
Iron	ug/l	8130	42200	13000	11700	469000	2720	19100
Lead	ug/l	11.3	42.5	11.4	10.6	141	1.8 B	14.1
Magnesium	ug/l	26900	25400	27000	26500	227000	12200	18800
Manganese	ug/l	146	2240	289	271	6980	232	239
Mercury	ug/l	0.15 B	0.03 U	0.16 B	0.16 B	0.49	0.15 B	0.17 B
Nickel	ug/l	19.7 B	109	22.9 B	17.1 B	642	16 U	33.2 B
Potassium	ug/l	2530 B	6360	4130 B	3870 B	25400	3050 B	4250 B
Selenium	ug/l	4.6 B	0.99 U	1.5 B	2.9 B	10 U	1 U	4.4 B
Silver	ug/l	4.4 B	3.4 U	9 U	9.1 U	5.7 B	9.1 U	9.1 U
Sodium	ug/l	9830	7840	28300	28500	107000	18400	4400 B
Thallium	ug/l	3.2 U	3.2 U	3.2 U	3.2 U	31.7 U	3.2 U	3.2 U
Vanadium	ug/l	11 B	37.3 B	30.4 U	30.5 U	324	30.6 U	30.5 U
Zinc	ug/l	39.8	154	45.5	46.6	3260	15.1 B	67.8
Cyanide	ug/l	10 U	10 U	10 U	10 U	10 U	10 U	10 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
INORGANIC ANALYSIS

THRU 150047 ANALYTE	MATRIX LOCATION	WATER OB	WATER OB	WATER OB	WATER OB	WATER OB	WATER OB	WATER OB
	DATE MAIN ID LAB ID UNITS	01/14/92 MW-23 152491	01/14/92 MW-24 152585	01/13/92 MW-25 152396	01/15/92 MW-27 152586	01/14/92 MW-28 152492	01/14/92 MW-29 152493	01/09/92 MW-30 152143
Aluminum	ug/l	3350	23500	15200	68400	34700	12600	1440
Antimony	ug/l	53 U	53.1 U	55.4 U	53.2 U	53.2 U	53 U	58.3 B
Arsenic	ug/l	3.5 U	3.5 U	3.5 U	11.5	4.2 B	3.5 U	3.5 U
Barium	ug/l	104 B	507	206	734	411	166 B	94.2 B
Beryllium	ug/l	1.1 U	1.2 B	2.2 B	2.8 B	1.8 B	1.1 U	1.8 B
Cadmium	ug/l	3 U	6	2.9 U	14.1	6	3 U	2.9 U
Calcium	ug/l	126000	153000	130000	208000	172000	137000	164000
Chromium	ug/l	6.2 U	39.3	18	118	53.9	18.5	6.2 U
Cobalt	ug/l	20.3 U	27.6 B	19.8 U	58.1	24.6 B	20.3 U	19.9 U
Copper	ug/l	10.1 U	257	19.3 B	128	37.9	27.2	14.4 U
Iron	ug/l	4960	38900	23000	127000	50800	19400	1870
Lead	ug/l	5.2	275	18	118	34.9	9.2	1.3 B
Magnesium	ug/l	29000	57600	25000	93800	44600	39800	23800
Manganese	ug/l	141	472	281	1470	700	432	39.8
Mercury	ug/l	0.16 B	0.31	0.19 B	0.24	0.18 B	0.16 B	0.15 B
Nickel	ug/l	17.8 B	70.7	28.4 B	196	81.6	35.3 B	15.9 U
Potassium	ug/l	2500 B	6840	4400 B	18100	10200	3700 B	996 B
Selenium	ug/l	1 U	2.9 B	1.9 B	5 U	5 U	2 B	1.1 B
Silver	ug/l	4.7 B	8.2 B	9 U	5.2 B	6.8 B	6.1 B	9 U
Sodium	ug/l	13900	39700	3900 B	17900	15300	14900	17500
Thallium	ug/l	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
Vanadium	ug/l	9.4 U	30.7 B	30.3 U	107	45.3 B	19.5 B	30.4 U
Zinc	ug/l	18.4 B	423	55.3	274	108	84.3	21.1
Cyanide	ug/l	10 U	10 U	10 U	10 U	10 U	10 U	10 U

SENECA ARMY DEPOT
OB GROUNDS

MONITORING WELLS
INORGANIC ANALYSIS

THRU 150047 ANALYTE	MATRIX LOCATION	WATER OB	WATER OB	WATER OB	WATER OB
	DATE MAIN ID LAB ID UNITS	01/16/92 MW-31 152631	01/16/92 MW-32 152632	01/08/92 MW-34 152145	01/08/92 MW-35 152146
Aluminum	ug/l	120000	35200	131000	7550
Antimony	ug/l	33.3 U	54.4 B	55.8 U	55.5 U
Arsenic	ug/l	8.3 B	5.5 B	3.5 U	3.5 U
Barium	ug/l	955	347	779	103 B
Beryllium	ug/l	6.6	2.8 B	7.8	1.8 B
Cadmium	ug/l	20	3.3 B	13.2	2.9 U
Calcium	ug/l	407000	151000	538000	94700
Chromium	ug/l	202	62.6	200	15.3
Cobalt	ug/l	78.8	20.5 U	152	19.9 B
Copper	ug/l	176	43.1	233	14.4 U
Iron	ug/l	176000	52100	254000	10500
Lead	ug/l	159	41.6	62.4	3.3
Magnesium	ug/l	95500	41000	76500	14600
Manganese	ug/l	2400	734	5610	557
Mercury	ug/l	0.21	0.17 B	0.3	0.18 B
Nickel	ug/l	282	83.3	362	15.9 U
Potassium	ug/l	22300	9900	16200	4180 B
Selenium	ug/l	10 U	10 U	10 U	1.1 B
Silver	ug/l	3.4 U	3.4 U	9.1 U	9 U
Sodium	ug/l	12500	9100	4750 B	44100
Thallium	ug/l	3.2 U	3.2 U	3.2 U	3.2 U
Vanadium	ug/l	180	54	167	30.3 U
Zinc	ug/l	433	135	734	58.2
Cyanide	ug/l	10 U	10 U	10 U	10 U

SURFACE WATER AND SEDIMENT

SENECA ARMY DEPOT
OB GROUNDS

SURFACE WATER AND SEDIMENT
SUMMARY OF VOLATILE ORGANICS RESULTS

COMPOUND	MATRIX LOCATION	WATER SW-110	WATER SW-120	WATER SW-130	WATER SW-140	WATER SW-150	WATER SW-150	WATER SW-160
	DATE MAIN ID LAB ID UNITS	11/07/91 W0711-37 148628	11/07/91 W0711-44 148635	11/07/91 W0711-53 148641	11/07/91 W0711-62 148647	11/08/91 W0811-71 148653	11/08/91 W0811-80 148659	11/12/91 W1211-96 148903
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
Methyl Chloride	ug/L	1 BJ	5 U	1 BJ	1 BJ	1 BJ	4 BJ	2 BJ
Acetone	ug/L	8 BJ	10 U	10 U	5 BJ	10 BJ	6 BJ	9 BJ
Carbon Disulfide	ug/L	5 U	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	5 U
1,1-Dichloroethane	ug/L	5 U	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	5 U
Chloroform	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	ug/L	5 U	5 U	5 U	2 J	5 U	5 U	5 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	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	5 U
Vinyl Acetate	ug/L	10 U	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	5 U
1,2-Dichloropropane	ug/L	5 U	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	5 U
Trichloroethene	ug/L	5 U	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	5 U
1,1,2-Trichloroethene	ug/L	5 U	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	5 U
trans-1,3-Dichloropropene	ug/L	5 U	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	5 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	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	5 U
Toluene	ug/L	5 U	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	5 U
Ethylbenzene	ug/L	5 U	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	5 U
Xylene (total)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U

SENECA ARMY DEPOT
OB GROUNDS

SURFACE WATER AND SEDIMENT
SUMMARY OF VOLATILE ORGANICS RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SW-120	SW-120	SW-130	SW-140	SW-150	SW-150	SW-150
	DATE	12/10/91	11/07/91	11/07/91	11/08/91	11/08/91	11/08/91	11/08/91
	MAIN ID	S1012118	S0711-50	S0711-59	S0811-68	S0811-77	S0811-86	S0811-89
	LAB ID	150995	148614	148617	148618	148621	148623	148625
	UNITS							
Chloromethane	ug/Kg	13 U	19 U	19 U	23 U	21 U	20 U	13 U
Bromomethane	ug/Kg	13 U	19 U	19 U	23 U	21 U	20 U	13 U
Vinyl Chloride	ug/Kg	13 U	19 U	19 U	23 U	21 U	20 U	13 U
Chloroethane	ug/Kg	13 U	19 U	19 U	23 U	21 U	20 U	13 U
Methyl Chloride	ug/Kg	2 BJ	3 BJ	4 BJ	5 BJ	7 BJ	9 BJ	2 BJ
Acetone	ug/Kg	10 J	19 B	12 BJ	9 BJ	7 BJ	5 BJ	2 BJ
Carbon Disulfide	ug/Kg	6 U	9 U	9 U	11 U	10 U	10 U	7 U
1,1-Dichloroethene	ug/Kg	6 U	9 U	9 U	11 U	10 U	10 U	7 U
1,1-Dichloroethane	ug/Kg	6 U	9 U	9 U	11 U	10 U	10 U	7 U
1,2-Dichloroethene (total)	ug/Kg	6 U	9 U	9 U	11 U	10 U	10 U	7 U
Chloroform	ug/Kg	2 J	9 U	9 U	11 U	20	9 J	3 J
1,2-Dichloroethane	ug/Kg	6 U	9 U	9 U	11 U	10 U	10 U	7 U
2-Butanone	ug/Kg	13 U	19 U	19 U	23 U	21 U	20 U	13 U
1,1,1-Trichloroethane	ug/Kg	6 U	9 U	9 U	11 U	10 U	10 U	7 U
Carbon Tetrachloride	ug/Kg	6 U	9 U	9 U	11 U	10 U	10 U	7 U
Vinyl Acetate	ug/Kg	13 U	19 U	19 U	23 U	21 U	20 U	13 U
Bromodichloromethane	ug/Kg	6 U	9 U	9 U	11 U	10 U	10 U	7 U
1,2-Dichloropropane	ug/Kg	6 U	9 U	9 U	11 U	10 U	10 U	7 U
cis-1,3-Dichloropropene	ug/Kg	6 U	9 U	9 U	11 U	10 U	10 U	7 U
Trichloroethene	ug/Kg	6 U	9 U	9 U	11 U	10 U	10 U	7 U
Dibromochloromethane	ug/Kg	6 U	9 U	9 U	11 U	10 U	10 U	7 U
1,1,2-Trichloroethene	ug/Kg	6 U	9 U	9 U	11 U	10 U	10 U	7 U
Benzene	ug/Kg	6 U	9 U	9 U	11 U	10 U	10 U	7 U
trans-1,3-Dichloropropene	ug/Kg	6 U	9 U	9 U	11 U	10 U	10 U	7 U
Bromoform	ug/Kg	6 U	9 U	9 U	11 U	10 U	10 U	7 U
4-Methyl-2-Pentanone	ug/Kg	13 U	19 U	19 U	23 U	21 U	20 U	13 U
2-Hexanone	ug/Kg	13 U	19 U	19 U	23 U	21 U	20 U	13 U
Tetrachloroethene	ug/Kg	6 U	9 U	9 U	11 U	10 U	10 U	7 U
1,1,2,2-Tetrachloroethane	ug/Kg	6 U	9 U	9 U	11 U	10 U	10 U	7 U
Toluene	ug/Kg	6 U	9 U	9 U	11 U	5 BJ	4 BJ	2 BJ
Chlorobenzene	ug/Kg	6 U	9 U	9 U	11 U	10 U	10 U	7 U
Ethylbenzene	ug/Kg	6 U	9 U	9 U	11 U	10 U	10 U	7 U
Styrene	ug/Kg	6 U	9 U	9 U	11 U	10 U	10 U	7 U
Xylene (total)	ug/Kg	6 U	9 U	9 U	11 U	10 U	10 U	7 U

SENECA ARMY DEPOT
OB GROUNDS

SURFACE WATER AND SEDIMENT
SUMMARY OF VOLATILE ORGANICS RESULTS

COMPOUND	MATRIX LOCATION	WATER SW-170	WATER SW-192	WATER SW-193	WATER SW-194	WATER SW-195	WATER SW-196	WATER SW-197
	DATE MAIN ID LAB ID UNITS	11/12/91 W1211-97 148904	11/13/91 W1311-103 149062	11/13/91 W1311-100 149059	11/13/91 W1311-101 149060	11/13/91 W1311-102 149061	11/13/91 W1211-98 148905	11/13/91 W1311-104 149063
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
Methyl Chloride	ug/L	2 BJ	2 BJ	1 BJ	2 BJ	2 BJ	2 BJ	1 BJ
Acetone	ug/L	12 B	14 B	14 B	13 B	11 B	8 BJ	16 B
Carbon Disulfide	ug/L	5 U	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	5 U
1,1-Dichloroethane	ug/L	5 U	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	5 U
Chloroform	ug/L	5 U	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	5 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	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	5 U
Vinyl Acetate	ug/L	10 U	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	5 U
1,2-Dichloropropane	ug/L	5 U	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	5 U
Trichloroethene	ug/L	5 U	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	5 U
1,1,2-Trichloroethene	ug/L	5 U	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	5 U
trans-1,3-Dichloropropene	ug/L	5 U	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	5 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	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	5 U
Toluene	ug/L	5 U	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	5 U
Ethylbenzene	ug/L	5 U	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	5 U
Xylene (total)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U

SENECA ARMY DEPOT
OB GROUNDS

SURFACE WATER AND SEDIMENT
SUMMARY OF VOLATILE ORGANICS RESULTS

COMPOUND	MATRIX LOCATION	SOIL SW-160	SOIL SW-170	SOIL SW-191	SOIL SW-191	SOIL SW-192	SOIL SW-192	SOIL SW-193
	DATE MAIN ID LAB ID UNITS	11/12/91 S1211-96 148898	11/12/91 S1211-97 148899	11/06/91 S0611-19 148582	11/06/91 S0611-22 148585	11/13/91 S1311-103 149052	11/13/91 S1311-103RE 149052	11/13/91 S1311-100 149049
Chloromethane	ug/Kg	16 U	18 U	20 U	11 U	20 U	20 U	16 U
Bromomethane	ug/Kg	16 U	18 U	20 U	11 U	20 U	20 U	16 U
Vinyl Chloride	ug/Kg	16 U	18 U	20 U	11 U	20 U	20 U	16 U
Chloroethane	ug/Kg	16 U	18 U	20 U	11 U	20 U	20 U	16 U
Methyl Chloride	ug/Kg	4 BJ	4 BJ	5 BJ	2 BJ	6 BJ	4 BJ	3 BJ
Acetone	ug/Kg	12 BJ	15 BJ	25 B	11 U	24 B	6 BJ	5 BJ
Carbon Disulfide	ug/Kg	8 U	9 U	10 U	6 U	10 U	10 U	8 U
1,1-Dichloroethene	ug/Kg	8 U	9 U	10 U	6 U	10 U	10 U	8 U
1,1-Dichloroethane	ug/Kg	8 U	9 U	10 U	6 U	10 U	10 U	8 U
1,2-Dichloroethene (total)	ug/Kg	8 U	9 U	10 U	6 U	10 U	10 U	8 U
Chloroform	ug/Kg	2 J	9 U	10 U	6 U	10 U	10 U	8 U
1,2-Dichloroethane	ug/Kg	8 U	9 U	10 U	6 U	10 U	10 U	8 U
2-Butanone	ug/Kg	16 U	18 U	20 U	11 U	20 U	20 U	16 U
1,1,1-Trichloroethane	ug/Kg	8 U	9 U	10 U	6 U	10 U	10 U	8 U
Carbon Tetrachloride	ug/Kg	8 U	9 U	10 U	6 U	10 U	10 U	8 U
Vinyl Acetate	ug/Kg	16 U	18 U	20 U	11 U	20 U	20 U	16 U
Bromodichloromethane	ug/Kg	8 U	9 U	10 U	6 U	10 U	10 U	8 U
1,2-Dichloropropane	ug/Kg	8 U	9 U	10 U	6 U	10 U	10 U	8 U
cis-1,3-Dichloropropene	ug/Kg	8 U	9 U	10 U	6 U	10 U	10 U	8 U
Trichloroethene	ug/Kg	8 U	9 U	10 U	6 U	10 U	10 U	8 U
Dibromochloromethane	ug/Kg	8 U	9 U	10 U	6 U	10 U	10 U	8 U
1,1,2-Trichloroethene	ug/Kg	8 U	9 U	10 U	6 U	10 U	10 U	8 U
Benzene	ug/Kg	8 U	9 U	10 U	6 U	10 U	10 U	8 U
trans-1,3-Dichloropropene	ug/Kg	8 U	9 U	10 U	6 U	10 U	10 U	8 U
Bromoform	ug/Kg	8 U	9 U	10 U	6 U	10 U	10 U	8 U
4-Methyl-2-Pentanone	ug/Kg	16 U	18 U	20 U	11 U	20 U	20 U	16 U
2-Hexanone	ug/Kg	16 U	18 U	20 U	11 U	20 U	20 U	16 U
Tetrachloroethene	ug/Kg	8 U	9 U	10 U	6 U	10 U	10 U	8 U
1,1,2,2-Tetrachloroethane	ug/Kg	8 U	9 U	10 U	6 U	10 U	10 U	8 U
Toluene	ug/Kg	2 BJ	9 U	10 U	6 U	10 U	10 U	8 U
Chlorobenzene	ug/Kg	8 U	9 U	10 U	6 U	10 U	10 U	8 U
Ethylbenzene	ug/Kg	8 U	9 U	10 U	6 U	10 U	10 U	8 U
Styrene	ug/Kg	8 U	9 U	10 U	6 U	10 U	10 U	8 U
Xylene (total)	ug/Kg	8 U	9 U	10 U	6 U	10 U	10 U	8 U

COMPOUND	MATRIX LOCATION	DATE MAIN ID LAB ID UNITS
Chloromethane		ug/L
Bromomethane		ug/L
Vinyl Chloride		ug/L
Chloroethane		ug/L
Methyl Chloride		ug/L
Acetone		ug/L
Carbon Disulfide		ug/L
1,1-Dichloroethene		ug/L
1,1-Dichloroethane		ug/L
1,2-Dichloroethene (total)		ug/L
Chloroform		ug/L
1,2-Dichloroethane		ug/L
2-Butanone		ug/L
1,1,1-Trichloroethane		ug/L
Carbon Tetrachloride		ug/L
Vinyl Acetate		ug/L
Bromodichloromethane		ug/L
1,2-Dichloropropane		ug/L
cis-1,3-Dichloropropene		ug/L
Trichloroethene		ug/L
Dibromochloromethane		ug/L
1,1,2-Trichloroethene		ug/L
Benzene		ug/L
trans-1,3-Dichloropropene		ug/L
Bromoform		ug/L
4-Methyl-2-Pentanone		ug/L
2-Hexanone		ug/L
Tetrachloroethene		ug/L
1,1,2,2-Tetrachloroethane		ug/L
Toluene		ug/L
Chlorobenzene		ug/L
Ethylbenzene		ug/L
Styrene		ug/L
Xylene (total)		ug/L

SENECA ARMY DEPOT
OB GROUNDS

SURFACE WATER AND SEDIMENT
SUMMARY OF VOLATILE ORGANICS RESULTS

COMPOUND	MATRIX LOCATION	SOIL SW-194	SOIL SW-195	SOIL SW-196
	DATE	11/13/91	11/13/91	11/12/91
	MAIN ID	S1311-101	S1311-102	S1211-98
	LAB ID	149050	149051	148900
	UNITS			
Chloromethane	ug/Kg	14 U	19 U	12 U
Bromomethane	ug/Kg	14 U	19 U	12 U
Vinyl Chloride	ug/Kg	14 U	19 U	12 U
Chloroethane	ug/Kg	14 U	19 U	12 U
Methyl Chloride	ug/Kg	3 BJ	4 BJ	3 BJ
Acetone	ug/Kg	4 BJ	5 BJ	11 BJ
Carbon Disulfide	ug/Kg	7 U	9 U	6 U
1,1-Dichloroethene	ug/Kg	7 U	9 U	6 U
1,1-Dichloroethane	ug/Kg	7 U	9 U	6 U
1,2-Dichloroethene (total)	ug/Kg	7 U	9 U	6 U
Chloroform	ug/Kg	7 U	9 U	6 U
1,2-Dichloroethane	ug/Kg	7 U	9 U	6 U
2-Butanone	ug/Kg	14 U	19 U	12 U
1,1,1-Trichloroethane	ug/Kg	7 U	9 U	6 U
Carbon Tetrachloride	ug/Kg	7 U	9 U	6 U
Vinyl Acetate	ug/Kg	14 U	19 U	12 U
Bromodichloromethane	ug/Kg	7 U	9 U	6 U
1,2-Dichloropropane	ug/Kg	7 U	9 U	6 U
cis-1,3-Dichloropropene	ug/Kg	7 U	9 U	6 U
Trichloroethene	ug/Kg	7 U	9 U	6 U
Dibromochloromethane	ug/Kg	7 U	9 U	6 U
1,1,2-Trichloroethene	ug/Kg	7 U	9 U	6 U
Benzene	ug/Kg	7 U	9 U	6 U
trans-1,3-Dichloropropene	ug/Kg	7 U	9 U	6 U
Bromoform	ug/Kg	7 U	9 U	6 U
4-Methyl-2-Pentanone	ug/Kg	14 U	19 U	12 U
2-Hexanone	ug/Kg	14 U	19 U	12 U
Tetrachloroethene	ug/Kg	7 U	9 U	6 U
1,1,2,2-Tetrachloroethane	ug/Kg	7 U	9 U	6 U
Toluene	ug/Kg	7 U	9 U	6 U
Chlorobenzene	ug/Kg	7 U	9 U	6 U
Ethylbenzene	ug/Kg	7 U	9 U	6 U
Styrene	ug/Kg	7 U	9 U	6 U
Xylene (total)	ug/Kg	7 U	9 U	6 U

SENECA ARMY DEPOT
OB GROUNDS

SURFACE WATER AND SEDIMENT SAMPLES
SUMMARY OF SEMI-VOLATILE ORGANIC RESULTS

COMPOUND	UNITS	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER
		SITE	SW-110	SW-120	SW-120	SW-120	SW-130	SW-140	SW-150
		DATE	11/07/91	11/12/91	11/07/91	11/12/91	11/07/91	11/07/91	11/08/91
		MAIN ID	W0611-26	W1012118	W0711-38	W1012118	W0711-45	W0711-54	W0711-63
LAB ID	148602	150997	148629	150997	148636	148642	148648		
Phenol	ug/L		11 U	10 U	10 U	10 U	11 U	10 U	10 U
big(2-Chloroethyl) ether	ug/L		11 U	10 U	10 U	10 U	11 U	10 U	10 U
2-Chlorophenol	ug/L		11 U	10 U	10 U	10 U	11 U	10 U	10 U
1,3-Dichlorobenzene	ug/L		11 U	10 U	10 U	10 U	11 U	10 U	10 U
1,4-Dichlorobenzene	ug/L		11 U	10 U	10 U	10 U	11 U	10 U	10 U
Benzyl Alcohol	ug/L		11 U	10 U	10 U	10 U	11 U	10 U	10 U
1,2-Dichlorobenzene	ug/L		11 U	10 U	10 U	10 U	11 U	10 U	10 U
2-Methylphenol	ug/L		11 U	10 U	10 U	10 U	11 U	10 U	10 U
big(2-Chloroisopropyl) ether	ug/L		11 U	10 U	10 U	10 U	11 U	10 U	10 U
4-Methylphenol	ug/L		11 U	10 U	10 U	10 U	11 U	10 U	10 U
N-Nitroso-di-n-propylamine	ug/L		11 U	10 U	10 U	10 U	11 U	10 U	10 U
Hexachloro ethane	ug/L		11 U	10 U	10 U	10 U	11 U	10 U	10 U
Nitrobenzene	ug/L		11 U	10 U	10 U	10 U	11 U	10 U	10 U
Isophorone	ug/L		11 U	10 U	10 U	10 U	11 U	10 U	10 U
2-Nitrophenol	ug/L		11 U	10 U	10 U	10 U	11 U	10 U	10 U
2,4-Dimethylphenol	ug/L		11 U	10 U	10 U	10 U	11 U	10 U	10 U
Benzoic acid	ug/L		53 U	50 U	50 U	50 U	54 U	50 U	51 U
big(2-Chloroethoxy) methane	ug/L		11 U	10 U	10 U	10 U	11 U	10 U	10 U
2,4-Dichlorophenol	ug/L		11 U	10 U	10 U	10 U	11 U	10 U	10 U
1,2,4-Trichlorobenzene	ug/L		11 U	10 U	10 U	10 U	11 U	10 U	10 U
Naphthalene	ug/L		11 U	10 U	10 U	10 U	11 U	10 U	10 U
4-Chloroaniline	ug/L		11 U	10 U	10 U	10 U	11 U	10 U	10 U
Hexachloro butadiene	ug/L		11 U	10 U	10 U	10 U	11 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L		11 U	10 U	10 U	10 U	11 U	10 U	10 U
2-Methylnaphthalene	ug/L		11 U	10 U	10 U	10 U	11 U	10 U	10 U
Hexachloro cyclopentadiene	ug/L		11 U	10 U	10 U	10 U	11 U	10 U	10 U
2,4,6-Trichlorophenol	ug/L		11 U	10 U	10 U	10 U	11 U	10 U	10 U
2,4,5-Trichlorophenol	ug/L		53 U	50 U	50 U	50 U	54 U	50 U	51 U
2-Chloronaphthalene	ug/L		11 U	10 U	10 U	10 U	11 U	10 U	10 U
2-Nitroaniline	ug/L		53 U	50 U	50 U	50 U	54 U	50 U	51 U
Dimethylphalate	ug/L		11 U	10 U	10 U	10 U	11 U	10 U	10 U
Acenaphthylene	ug/L		11 U	10 U	10 U	10 U	11 U	10 U	10 U
2,6-Dinitrotoluene	ug/L		11 U	10 U	10 U	10 U	11 U	10 U	10 U

SENECA ARMY DEPOT
OB GROUNDS

SURFACE WATER AND SEDIMENT SAMPLES
SUMMARY OF SEMI-VOLATILE ORGANIC RESULTS

COMPOUND	UNITS	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER
		SITE	SW-150	SW-150	SW-160	SW-170	SW-180	SW-180	SW-180
		DATE	11/08/91	11/08/91	11/12/91	11/12/91	12/11/91	12/11/91	12/10/91
		MAIN ID	W0811-72	W0811-81	W1211-96	W1211-97	W1010117	W1010117	W1010117
LAB ID	148654	148660	148903	148904	150996	150996	150996		
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	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	10 U
2-Methylphenol	ug/L		10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroisopropyl) ether	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	50 U	50 U	50 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	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	50 U	50 U	50 U	50 U	50 U	50 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	50 U	50 U	50 U	50 U	50 U	50 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

SENECA ARMY DEPOT
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SURFACE WATER AND SEDIMENT SAMPLES
SUMMARY OF SEMI-VOLATILE ORGANIC RESULTS

COMPOUND	UNITS	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER
		SITE	SW-191	SW-192	SW-193	SW-194	SW-195	SW-196	SW-197
		DATE	11/06/91	11/13/91	11/13/91	11/13/91	11/13/91	11/12/91	11/13/91
		MAIN ID	S0611-32	W1311-103	W1311-100	W1311-101	W1311-102	W1211-98	W1311-104
LAB ID	148589	149062	149059	149060	149061	148905	149063		
Phenol	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
bis(2-Chloroethyl) ether	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
2-Chlorophenol	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
1,3-Dichlorobenzene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
1,4-Dichlorobenzene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
Benzyl Alcohol	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
1,2-Dichlorobenzene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
2-Methylphenol	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
bis(2-Chloroisopropyl) ether	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
4-Methylphenol	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
Hexachloro ethane	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
Nitro benzene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
Isophorone	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
2-Nitrophenol	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
2,4-Dimethylphenol	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
Benzoic acid	ug/L		50 U	50 U	52 U	54 U	50 U	50 U	50 U
bis(2-Chloroethoxy) methane	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
2,4-Dichlorophenol	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
Naphthalene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
4-Chloroaniline	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
Hexachloro butadiene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
2-Methylnaphthalene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
Hexachloro cyclopentadiene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	ug/L		50 U	50 U	52 U	54 U	50 U	50 U	50 U
2-Chloronaphthalene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
2-Nitroaniline	ug/L		50 U	50 U	52 U	54 U	50 U	50 U	50 U
Dimethylphalate	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
Acenaphthylene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
2,6-Dinitrotoluene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U

SENECA ARMY DEPOT
OB GROUNDS

SURFACE WATER AND SEDIMENT SAMPLES
SUMMARY OF SEMI-VOLATILE ORGANIC RESULTS

COMPOUND	UNITS	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		SITE	SW-120	SW-120	SW-120	SW-130	SW-140	SW-150	SW-160
		DATE	11/07/91	12/10/91	12/10/91	11/14/91	11/08/91	11/14/91	11/12/91
		MAIN ID	S0711-51	S1012118	S1012118	S1411-60A	S0811-69	S1411-87A	S1211-96
LAB ID	148615	150995	150995	149054	148619	149057	148898		
Phenol	ug/Kg	810 U	800 U	800 U	3100 U	790 U	980 U	1000 U	
bis(2-Chloroethyl) ether	ug/Kg	810 U	800 U	800 U	3100 U	790 U	980 U	1000 U	
2-Chlorophenol	ug/Kg	810 U	800 U	800 U	3100 U	790 U	980 U	1000 U	
1,3-Dichlorobenzene	ug/Kg	810 U	800 U	800 U	3100 U	790 U	980 U	1000 U	
1,4-Dichlorobenzene	ug/Kg	810 U	800 U	800 U	3100 U	790 U	980 U	1000 U	
Benzyl Alcohol	ug/Kg	810 U	800 U	800 U	3100 U	790 U	980 U	1000 U	
1,2-Dichlorobenzene	ug/Kg	810 U	800 U	800 U	3100 U	790 U	980 U	1000 U	
2-Methylphenol	ug/Kg	810 U	800 U	800 U	3100 U	790 U	980 U	1000 U	
bis(2-Chloroisopropyl) ether	ug/Kg	810 U	800 U	800 U	3100 U	790 U	980 U	1000 U	
4-Methylphenol	ug/Kg	810 U	350 J	350 J	3100 U	790 U	980 U	1000 U	
N-Nitroso-di-n-propylamine	ug/Kg	810 U	800 U	800 U	3100 U	790 U	980 U	1000 U	
Hexachloroethane	ug/Kg	810 U	800 U	800 U	3100 U	790 U	980 U	1000 U	
Nitrobenzene	ug/Kg	810 U	800 U	800 U	3100 U	790 U	980 U	1000 U	
Isophorone	ug/Kg	810 U	800 U	800 U	3100 U	790 U	980 U	1000 U	
2-Nitrophenol	ug/Kg	810 U	800 U	800 U	3100 U	790 U	980 U	1000 U	
2,4-Dimethylphenol	ug/Kg	810 U	800 U	800 U	3100 U	790 U	980 U	1000 U	
Benzoic acid	ug/Kg	3900 U	3900 U	3900 U	15000 U	3800 U	4800 U	4900 U	
bis(2-Chloroethoxy) methane	ug/Kg	810 U	800 U	800 U	3100 U	790 U	980 U	1000 U	
2,4-Dichlorophenol	ug/Kg	810 U	800 U	800 U	3100 U	790 U	980 U	1000 U	
1,2,4-Trichlorobenzene	ug/Kg	810 U	800 U	800 U	3100 U	790 U	980 U	1000 U	
Naphthalene	ug/Kg	810 U	800 U	800 U	3100 U	790 U	980 U	1000 U	
4-Chloroaniline	ug/Kg	810 U	800 U	800 U	3100 U	790 U	980 U	1000 U	
Hexachlorobutadiene	ug/Kg	810 U	800 U	800 U	3100 U	790 U	980 U	1000 U	
4-Chloro-3-methylphenol	ug/Kg	810 U	800 U	800 U	3100 U	790 U	980 U	1000 U	
2-Methylnaphthalene	ug/Kg	810 U	800 U	800 U	3100 U	790 U	980 U	1000 U	
Hexachlorocyclopentadiene	ug/Kg	810 U	800 U	800 U	3100 U	790 U	980 U	1000 U	
2,4,6-Trichlorophenol	ug/Kg	810 U	800 U	800 U	3100 U	790 U	980 U	1000 U	
2,4,5-Trichlorophenol	ug/Kg	3900 U	3900 U	3900 U	15000 U	3800 U	4800 U	4900 U	
2-Chloronaphthalene	ug/Kg	810 U	800 U	800 U	3100 U	790 U	980 U	1000 U	
2-Nitroaniline	ug/Kg	3900 U	3900 U	3900 U	15000 U	3800 U	4800 U	4900 U	
Dimethylphthalate	ug/Kg	810 U	800 U	800 U	3100 U	790 U	980 U	1000 U	
Acenaphthylene	ug/Kg	810 U	800 U	800 U	3100 U	790 U	980 U	1000 U	
2,6-Dinitrotoluene	ug/Kg	810 U	800 U	800 U	3100 U	790 U	980 U	1000 U	

SENECA ARMY DEPOT
OB GROUNDS

SURFACE WATER AND SEDIMENT SAMPLES
SUMMARY OF SEMI-VOLATILE ORGANIC RESULTS

COMPOUND	UNITS	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		SITE	SW-170	SW-180	SW-190	SW-191	SW-192	SW-193	SW-194
		DATE	11/12/91	11/08/91	11/07/91	11/06/91	11/13/91	11/13/91	11/13/91
		MAIN ID	S1211-97	S0811-90	S0611-23	S0611-20	S1311-103	S1311-100	S1311-101
		LAB ID	148899	149626	148586	148583	149052	149049	149050
Phenol	ug/Kg		1000 U	900 U	740 U	2600 U	1700 U	960 U	1000 U
bis(2-Chloroethyl) ether	ug/Kg		1000 U	900 U	740 U	2600 U	1700 U	960 U	1000 U
2-Chlorophenol	ug/Kg		1000 U	900 U	740 U	2600 U	1700 U	960 U	1000 U
1,3-Dichlorobenzene	ug/Kg		1000 U	900 U	740 U	2600 U	1700 U	960 U	1000 U
1,4-Dichlorobenzene	ug/Kg		1000 U	900 U	740 U	2600 U	1700 U	960 U	1000 U
Benzyl Alcohol	ug/Kg		1000 U	900 U	740 U	2600 U	1700 U	960 U	1000 U
1,2-Dichlorobenzene	ug/Kg		1000 U	900 U	740 U	2600 U	1700 U	960 U	1000 U
2-Methylphenol	ug/Kg		1000 U	900 U	740 U	2600 U	1700 U	960 U	1000 U
bis(2-Chloroisopropyl) ether	ug/Kg		1000 U	900 U	740 U	2600 U	1700 U	960 U	1000 U
4-Methylphenol	ug/Kg		1000 U	900 U	740 U	2600 U	1700 U	960 U	1000 U
N-Nitroso-di-n-propylamine	ug/Kg		1000 U	900 U	740 U	2600 U	1700 U	960 U	1000 U
Hexachloroethane	ug/Kg		1000 U	900 U	740 U	2600 U	1700 U	960 U	1000 U
Nitrobenzene	ug/Kg		1000 U	900 U	740 U	2600 U	1700 U	960 U	1000 U
Isophorone	ug/Kg		1000 U	900 U	740 U	2600 U	1700 U	960 U	1000 U
2-Nitrophenol	ug/Kg		1000 U	900 U	740 U	2600 U	1700 U	960 U	1000 U
2,4-Dimethylphenol	ug/Kg		1000 U	900 U	740 U	2600 U	1700 U	960 U	1000 U
Benzoic acid	ug/Kg		4900 U	4400 U	3600 U	13000 U	8000 U	4600 U	5100 U
bis(2-Chloroethoxy) methane	ug/Kg		1000 U	900 U	740 U	2600 U	1700 U	960 U	1000 U
2,4-Dichlorophenol	ug/Kg		1000 U	900 U	740 U	2600 U	1700 U	960 U	1000 U
1,2,4-Trichlorobenzene	ug/Kg		1000 U	900 U	740 U	2600 U	1700 U	960 U	1000 U
Naphthalene	ug/Kg		1000 U	900 U	740 U	2600 U	1700 U	960 U	1000 U
4-Chloroaniline	ug/Kg		1000 U	900 U	740 U	2600 U	1700 U	960 U	1000 U
Hexachlorobutadiene	ug/Kg		1000 U	900 U	740 U	2600 U	1700 U	960 U	1000 U
4-Chloro-3-methylphenol	ug/Kg		1000 U	900 U	740 U	2600 U	1700 U	960 U	1000 U
2-Methylnaphthalene	ug/Kg		1000 U	900 U	740 U	2600 U	1700 U	960 U	1000 U
Hexachlorocyclopentadiene	ug/Kg		1000 U	900 U	740 U	2600 U	1700 U	960 U	1000 U
2,4,6-Trichlorophenol	ug/Kg		1000 U	900 U	740 U	2600 U	1700 U	960 U	1000 U
2,4,5-Trichlorophenol	ug/Kg		4900 U	4400 U	3600 U	13000 U	8000 U	4600 U	5100 U
2-Chloronaphthalene	ug/Kg		1000 U	900 U	740 U	2600 U	1700 U	960 U	1000 U
2-Nitroaniline	ug/Kg		4900 U	4400 U	3600 U	13000 U	8000 U	4600 U	5100 U
Dimethylphthalate	ug/Kg		1000 U	900 U	740 U	2600 U	1700 U	960 U	1000 U
Acenaphthylene	ug/Kg		1000 U	900 U	740 U	2600 U	1700 U	960 U	1000 U
2,6-Dinitrotoluene	ug/Kg		1000 U	900 U	740 U	2600 U	1700 U	960 U	1000 U

SENECA ARMY DEPOT
OB GROUNDS

SURFACE WATER AND SEDIMENT SAMPLES
SUMMARY OF SEMI-VOLATILE ORGANIC RESULTS

COMPOUND	UNITS	MATRIX	SOIL	SOIL	SOIL
		SITE	SW - 195	SW - 196	SW - 197
		DATE	11/13/91	11/12/91	11/13/91
		MAIN ID	S1311-102	S1211-98	S1311-104
		LAB ID	149051	148900	149053
Phenol	ug/Kg		1200 U	780 U	1200 U
bis(2-Chloroethyl) ether	ug/Kg		1200 U	780 U	1200 U
2-Chlorophenol	ug/Kg		1200 U	780 U	1200 U
1,3-Dichlorobenzene	ug/Kg		1200 U	780 U	1200 U
1,4-Dichlorobenzene	ug/Kg		1200 U	780 U	1200 U
Benzyl Alcohol	ug/Kg		1200 U	780 U	1200 U
1,2-Dichlorobenzene	ug/Kg		1200 U	780 U	1200 U
2-Methylphenol	ug/Kg		1200 U	780 U	1200 U
bis(2-Chloroisopropyl) ether	ug/Kg		1200 U	780 U	1200 U
4-Methylphenol	ug/Kg		1200 U	780 U	1200 U
N-Nitroso-di-n-propylamine	ug/Kg		1200 U	780 U	1200 U
Hexachloro ethane	ug/Kg		1200 U	780 U	1200 U
Nitro benzene	ug/Kg		1200 U	780 U	1200 U
Isophorone	ug/Kg		1200 U	780 U	1200 U
2-Nitrophenol	ug/Kg		1200 U	780 U	1200 U
2,4-Dimethylphenol	ug/Kg		1200 U	780 U	1200 U
Benzoic acid	ug/Kg		5900 U	3800 U	5700 U
bis(2-Chloroethoxy) methane	ug/Kg		1200 U	780 U	1200 U
2,4-Dichlorophenol	ug/Kg		1200 U	780 U	1200 U
1,2,4-Trichlorobenzene	ug/Kg		1200 U	780 U	1200 U
Naphthalene	ug/Kg		1200 U	780 U	1200 U
4-Chloroaniline	ug/Kg		1200 U	780 U	1200 U
Hexachloro butadiene	ug/Kg		1200 U	780 U	1200 U
4-Chloro-3-methylphenol	ug/Kg		1200 U	780 U	1200 U
2-Methylnaphthalene	ug/Kg		1200 U	780 U	1200 U
Hexachloro cyclopentadiene	ug/Kg		1200 U	780 U	1200 U
2,4,6-Trichlorophenol	ug/Kg		1200 U	780 U	1200 U
2,4,5-Trichlorophenol	ug/Kg		5900 U	3800 U	5700 U
2-Chloronaphthalene	ug/Kg		1200 U	780 U	1200 U
2-Nitroaniline	ug/Kg		5900 U	3800 U	5700 U
Dimethylphthalate	ug/Kg		1200 U	780 U	1200 U
Acenaphthylene	ug/Kg		1200 U	780 U	1200 U
2,6-Dinitrotoluene	ug/Kg		1200 U	780 U	1200 U

SENECA ARMY DEPOT
OB GROUNDS

SURFACE WATER AND SEDIMENT SAMPLES
SUMMARY OF SEMI-VOLATILE RESULTS

COMPOUND	UNITS	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER
		SITE	SW-110	SW-120	SW-120	SW-120	SW-130	SW-140	SW-150
		DATE	11/07/91	12/11/91	12/10/91	11/07/91	11/07/91	11/07/91	11/08/91
		MAIN ID	W0711-38	W1012118	W1012118	W0711-45	W0711-54	W0711-63	W0811-72
		LAB ID	148629	150997	150997	148636	148642	148648	148654
3-Nitroaniline	ug/L		50 U	50 U	50 U	54 U	50 U	51 U	50 U
Acenaphthene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
2,4-Dinitrophenol	ug/L		50 U	50 U	50 U	54 U	50 U	51 U	50 U
4-Nitrophenol	ug/L		50 U	50 U	50 U	54 U	50 U	51 U	50 U
Dibenzofuran	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
2,4-Dinitrotoluene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
Diethylphthalate	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
Fluorene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
4-Nitroaniline	ug/L		50 U	50 U	50 U	54 U	50 U	51 U	50 U
4,6-Dinitro-2-methylphenol	ug/L		50 U	50 U	50 U	54 U	50 U	51 U	50 U
N-Nitrosodiphenylamine (1)	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
Hexachlorobenzene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
Pentachlorophenol	ug/L		50 U	50 U	50 U	54 U	50 U	51 U	50 U
Phenanthrene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
Anthracene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
Di-n-butylphthalate	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
Fluoranthene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
Pyrene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
Butylbenzylphthalate	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L		20 U	20 U	20 U	22 U	20 U	20 U	20 U
Benzo(a)anthracene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
Chrysene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
Di-n-octylphthalate	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
Benzo(b)fluoranthene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
benzo(k)fluoranthene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
Benzo(a)pyrene	ug/L		10 U	10 U	10 U	11 U	10 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	10 U
Dibenzo(a,h)anthracene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	ug/L		10 U	10 U	10 U	11 U	10 U	10 U	10 U

SENECA ARMY DEPOT
OB GROUNDS

SURFACE WATER AND SEDIMENT SAMPLES
SUMMARY OF SEMI-VOLATILE RESULTS

COMPOUND	UNITS	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER
		SITE	SW-150	SW-150	SW-160	SW-170	SW-180	SW-180	SW-191
		DATE	11/14/91	11/08/91	11/12/91	11/12/91	12/11/91	12/10/91	11/06/91
		MAIN ID	W1411-81A	W0811-81	W1211-96	W1211-97	W1010117	W1010117	W0611-14
LAB ID	149064	148660	148903	148904	150996	150996	148596		
3-Nitroaniline	ug/L	51 U	50 U	50 U	50 U	50 U	50 U	51 U	
Acenaphthene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
2,4-Dinitrophenol	ug/L	51 U	50 U	50 U	50 U	50 U	50 U	51 U	
4-Nitrophenol	ug/L	51 U	50 U	50 U	50 U	50 U	50 U	51 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	51 U	50 U	50 U	50 U	50 U	50 U	51 U	
4,6-Dinitro-2-methylphenol	ug/L	51 U	50 U	50 U	50 U	50 U	50 U	51 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	51 U	50 U	50 U	50 U	50 U	50 U	51 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	
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	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	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

SURFACE WATER AND SEDIMENT SAMPLES
SUMMARY OF SEMI-VOLATILE RESULTS

COMPOUND	UNITS	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
		SITE	SW-192	SW-193	SW-194	SW-195	SW-196	SW-197
		DATE	11/13/91	11/13/91	11/13/91	11/13/91	11/12/91	11/13/91
		MAIN ID	W1311-103	W1311-100	W1311-101	W1311-102	W1211-98	W1311-104
LAB ID	149062	149059	149060	149061	148905	149063		
3-Nitroaniline	ug/L		50 U	52 U	54 U	50 U	50 U	50 U
Acenaphthene	ug/L		10 U	10 U	11 U	10 U	10 U	10 U
2,4-Dinitrophenol	ug/L		50 U	52 U	54 U	50 U	50 U	50 U
4-Nitrophenol	ug/L		50 U	52 U	54 U	50 U	50 U	50 U
Dibenzofuran	ug/L		10 U	10 U	11 U	10 U	10 U	10 U
2,4-Dinitrotoluene	ug/L		10 U	10 U	11 U	10 U	10 U	10 U
Diethylphthalate	ug/L		10 U	10 U	11 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	ug/L		10 U	10 U	11 U	10 U	10 U	10 U
Fluorene	ug/L		10 U	10 U	11 U	10 U	10 U	10 U
4-Nitroaniline	ug/L		50 U	52 U	54 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	ug/L		50 U	52 U	54 U	50 U	50 U	50 U
N-Nitrosodiphenylamine (1)	ug/L		10 U	10 U	11 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	ug/L		10 U	10 U	11 U	10 U	10 U	10 U
Hexachlorobenzene	ug/L		10 U	10 U	11 U	10 U	10 U	10 U
Pentachlorophenol	ug/L		50 U	52 U	54 U	50 U	50 U	50 U
Phenanthrene	ug/L		10 U	10 U	11 U	10 U	10 U	10 U
Anthracene	ug/L		10 U	10 U	11 U	10 U	10 U	10 U
Di-n-butylphthalate	ug/L		10 U	10 U	11 U	10 U	10 U	10 U
Fluoranthene	ug/L		10 U	10 U	11 U	10 U	10 U	10 U
Pyrene	ug/L		10 U	10 U	11 U	10 U	10 U	10 U
Butylbenzylphthalate	ug/L		10 U	10 U	11 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L		20 U	21 U	21 U	20 U	20 U	20 U
Benzo(a)anthracene	ug/L		10 U	10 U	11 U	10 U	10 U	10 U
Chrysene	ug/L		10 U	10 U	11 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L		71	10 U	11 U	10 U	10 U	10 U
Di-n-octylphthalate	ug/L		10 U	10 U	11 U	10 U	10 U	10 U
Benzo(b)fluoranthene	ug/L		10 U	10 U	11 U	10 U	10 U	10 U
benzo(k)fluoranthene	ug/L		10 U	10 U	11 U	10 U	10 U	10 U
Benzo(a)pyrene	ug/L		10 U	10 U	11 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L		10 U	10 U	11 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	ug/L		10 U	10 U	11 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	ug/L		10 U	10 U	11 U	10 U	10 U	10 U

SENECA ARMY DEPOT
OB GROUNDS

SURFACE WATER AND SEDIMENT SAMPLES
SUMMARY OF SEMI-VOLATILE RESULTS

COMPOUND	UNITS	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		SITE	SW-120	SW-120	SW-120	SW-130	SW-140	SW-150	SW-160
		DATE	12/10/91	12/10/91	11/07/91	11/14/91	11/08/91	11/14/91	11/12/91
		MAIN ID	S1012118	S1012118	S0711-51	S1411-60A	S0811-69	S1411-87A	S1211-96
LAB ID	150995	150995	148615	149054	148619	149057	148898		
3-Nitroaniline	ug/Kg	3900 U	3900 U	3900 U	15000 U	3800 U	4800 U	4900 U	
Acenaphthene	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U	1000 U	
2,4-Dinitrophenol	ug/Kg	3900 U	3900 U	3900 U	15000 U	3800 U	4800 U	4900 U	
4-Nitrophenol	ug/Kg	3900 U	3900 U	3900 U	15000 U	3800 U	4800 U	4900 U	
Dibenzofuran	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U	1000 U	
2,4-Dinitrotoluene	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U	1000 U	
Diethylphthalate	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U	1000 U	
4-Chlorophenyl-phenylether	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U	1000 U	
Fluorene	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U	1000 U	
4-Nitroaniline	ug/Kg	3900 U	3900 U	3900 U	15000 U	3800 U	4800 U	4900 U	
4,6-Dinitro-2-methylphenol	ug/Kg	3900 U	3900 U	3900 U	15000 U	3800 U	4800 U	4900 U	
N-Nitrosodiphenylamine (1)	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U	1000 U	
4-Bromophenyl-phenylether	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U	1000 U	
Hexachlorobenzene	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U	1000 U	
Pentachlorophenol	ug/Kg	3900 U	3900 U	3900 U	15000 U	3800 U	4800 U	4900 U	
Phenanthrene	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U	1000 U	
Anthracene	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U	1000 U	
Di-n-butylphthalate	ug/Kg	250 J	250 J	810 U	3100 U	790 U	980 U	1000 U	
Fluoranthene	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U	1000 U	
Pyrene	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U	1000 U	
Butylbenzylphthalate	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U	1000 U	
3,3'-Dichlorobenzidine	ug/Kg	1600 U	1600 U	1600 U	6200 U	1600 U	2000 U	2000 U	
Benzo(a)anthracene	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U	1000 U	
Chrysene	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U	1000 U	
bis(2-Ethylhexyl)phthalate	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U	1000 U	
Di-n-octylphthalate	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U	1000 U	
Benzo(b)fluoranthene	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U	1000 U	
benzo(k)fluoranthene	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U	1000 U	
Benzo(a)pyrene	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U	1000 U	
Indeno(1,2,3-cd)pyrene	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U	1000 U	
Dibenzo(a,h)anthracene	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U	1000 U	
Benzo(g,h,i)perylene	ug/Kg	800 U	800 U	810 U	3100 U	790 U	980 U	1000 U	

SENECA ARMY DEPOT
OB GROUNDS

SURFACE WATER AND SEDIMENT SAMPLES
SUMMARY OF SEMI-VOLATILE RESULTS

COMPOUND	UNITS	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		SITE	SW-170	SW-180	SW-180	SW-180	SW-190	SW-191	SW-191
		DATE	11/12/91	11/08/91	12/10/91	12/10/91	11/06/91	11/06/91	11/13/91
		MAIN ID	S1211-97	S0811-90	S1012117	S1012117	S0611-23	S0611-20	S1311-104
	LAB ID	148899	149626	150725	150725	148586	148583	149053	
3-Nitroaniline	ug/Kg	4900 U	4400 U	4700 U	4700 U	3600 U	13000 U	5700 U	
Acenaphthene	ug/Kg	1000 U	900 U	960 U	960 U	740 U	2600 U	1200 U	
2,4-Dinitrophenol	ug/Kg	4900 U	4400 U	4700 U	4700 U	3600 U	13000 U	5700 U	
4-Nitrophenol	ug/Kg	4900 U	4400 U	4700 U	4700 U	3600 U	13000 U	5700 U	
Dibenzofuran	ug/Kg	1000 U	900 U	960 U	960 U	740 U	2600 U	1200 U	
2,4-Dinitrotoluene	ug/Kg	1000 U	900 U	960 U	960 U	740 U	2600 U	1200 U	
Diethylphthalate	ug/Kg	1000 U	900 U	960 U	960 U	740 U	2600 U	1200 U	
4-Chlorophenyl-phenylether	ug/Kg	1000 U	900 U	960 U	960 U	740 U	2600 U	1200 U	
Fluorene	ug/Kg	1000 U	900 U	960 U	960 U	740 U	2600 U	1200 U	
4-Nitroaniline	ug/Kg	4900 U	4400 U	4700 U	4700 U	3600 U	13000 U	5700 U	
4,6-Dinitro-2-methylphenol	ug/Kg	4900 U	4400 U	4700 U	4700 U	3600 U	13000 U	5700 U	
N-Nitrosodiphenylamine (1)	ug/Kg	1000 U	900 U	960 U	960 U	740 U	2600 U	1200 U	
4-Bromophenyl-phenylether	ug/Kg	1000 U	900 U	960 U	960 U	740 U	2600 U	1200 U	
Hexachlorobenzene	ug/Kg	1000 U	900 U	960 U	960 U	740 U	2600 U	1200 U	
Pentachlorophenol	ug/Kg	4900 U	4400 U	4700 U	4700 U	3600 U	13000 U	5700 U	
Phenanthrene	ug/Kg	1000 U	900 U	960 U	960 U	740 U	2600 U	1200 U	
Anthracene	ug/Kg	1000 U	900 U	960 U	960 U	740 U	2600 U	1200 U	
Di-n-butylphthalate	ug/Kg	1000 U	900 U	960 U	960 U	740 U	2600 U	1200 U	
Fluoranthene	ug/Kg	1000 U	900 U	960 U	960 U	740 U	2600 U	1200 U	
Pyrene	ug/Kg	1000 U	900 U	960 U	960 U	100 J	2600 U	1200 U	
Butylbenzylphthalate	ug/Kg	1000 U	900 U	960 U	960 U	740 U	2600 U	1200 U	
3,3'-Dichlorobenzidine	ug/Kg	2000 U	1800 U	1900 U	1900 U	1500 U	5300 U	2300 U	
Benzo(a)anthracene	ug/Kg	1000 U	900 U	960 U	960 U	740 U	2600 U	1200 U	
Chrysene	ug/Kg	1000 U	900 U	960 U	960 U	740 U	2600 U	1200 U	
big(2-Ethylhexyl)phthalate	ug/Kg	1000 U	900 U	960 U	960 U	740 U	2600 U	1200 U	
Di-n-octylphthalate	ug/Kg	1000 U	900 U	960 U	960 U	740 U	2600 U	1200 U	
Benzo(b)fluoranthene	ug/Kg	1000 U	900 U	960 U	960 U	740 U	2600 U	1200 U	
benzo(k)fluoranthene	ug/Kg	1000 U	900 U	960 U	960 U	740 U	2600 U	1200 U	
Benzo(a)pyrene	ug/Kg	1000 U	900 U	960 U	960 U	740 U	2600 U	1200 U	
Indeno(1,2,3-cd)pyrene	ug/Kg	1000 U	900 U	960 U	960 U	740 U	2600 U	1200 U	
Dibenzo(a,h)anthracene	ug/Kg	1000 U	900 U	960 U	960 U	740 U	2600 U	1200 U	
Benzo(g,h,i)perylene	ug/Kg	1000 U	900 U	960 U	960 U	740 U	2600 U	1200 U	

SENECA ARMY DEPOT
OB GROUNDS

SURFACE WATER AND SEDIMENT SAMPLES
SUMMARY OF SEMI-VOLATILE RESULTS

COMPOUND	UNITS	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
		SITE	SW-192	SW-193	SW-194	SW-195	SW-196
		DATE	11/13/91	11/13/91	11/13/91	11/13/91	11/13/91
		MAIN ID	S1311-103	S1311-100	S1311-101	S1311-102	S1211-98
		LAB ID	149052	149049	149050	149051	148900
3-Nitroaniline	ug/Kg		8000 U	4600 U	5100 U	5900 U	3800 U
Acenaphthene	ug/Kg		1700 U	960 U	1000 U	1200 U	780 U
2,4-Dinitrophenol	ug/Kg		8000 U	4600 U	5100 U	5900 U	3800 U
4-Nitrophenol	ug/Kg		8000 U	4600 U	5100 U	5900 U	3800 U
Dibenzofuran	ug/Kg		1700 U	960 U	1000 U	1200 U	780 U
2,4-Dinitrotoluene	ug/Kg		1700 U	960 U	1000 U	1200 U	780 U
Diethylphthalate	ug/Kg		1700 U	960 U	1000 U	1200 U	780 U
4-Chlorophenyl-phenylether	ug/Kg		1700 U	960 U	1000 U	1200 U	780 U
Fluorene	ug/Kg		1700 U	960 U	1000 U	1200 U	780 U
4-Nitroaniline	ug/Kg		8000 U	4600 U	5100 U	5900 U	3800 U
4,6-Dinitro-2-methylphenol	ug/Kg		8000 U	4600 U	5100 U	5900 U	3800 U
N-Nitrosodiphenylamine (I)	ug/Kg		1700 U	960 U	1000 U	1200 U	780 U
4-Bromophenyl-phenylether	ug/Kg		1700 U	960 U	1000 U	1200 U	780 U
Hexachlorobenzene	ug/Kg		1700 U	960 U	1000 U	1200 U	780 U
Pentachlorophenol	ug/Kg		8000 U	4600 U	5100 U	5900 U	3800 U
Phenanthrene	ug/Kg		1700 U	960 U	1000 U	1200 U	780 U
Anthracene	ug/Kg		1700 U	960 U	1000 U	1200 U	780 U
Di-n-butylphthalate	ug/Kg		1700 U	960 U	1000 U	1200 U	780 U
Fluoranthene	ug/Kg		1700 U	960 U	1000 U	1200 U	780 U
Pyrene	ug/Kg		1700 U	960 U	1000 U	1200 U	780 U
Butylbenzylphthalate	ug/Kg		1700 U	960 U	1000 U	1200 U	780 U
3,3'-Dichlorobenzidine	ug/Kg		1700 U	1900 U	2100 U	2400 U	1600 U
Benzo(a)anthracene	ug/Kg		1700 U	960 U	1000 U	1200 U	780 U
Chrysene	ug/Kg		1700 U	960 U	1000 U	1200 U	780 U
bia(2-Ethylhexyl)phthalate	ug/Kg		1700 U	960 U	1000 U	1200 U	780 U
Di-n-octylphthalate	ug/Kg		1700 U	960 U	1000 U	1200 U	780 U
Benzo(b)fluoranthene	ug/Kg		1700 U	960 U	1000 U	1200 U	780 U
benzo(k)fluoranthene	ug/Kg		1700 U	960 U	1000 U	1200 U	780 U
Benzo(a)pyrene	ug/Kg		1700 U	960 U	1000 U	1200 U	780 U
Indeno(1,2,3-cd)pyrene	ug/Kg		1700 U	960 U	1000 U	1200 U	780 U
Dibenz(a,b)anthracene	ug/Kg		1700 U	960 U	1000 U	1200 U	780 U
Benzo(g,h,i)perylene	ug/Kg		1700 U	960 U	1000 U	1200 U	780 U

SENECA ARMY DEPOT
OB GROUNDS

SURFACE WATER & SEDIMENTS
PESTICIDE AND PCB'S ANALYSIS

MATRIX LOCATION	WATER SW-110	WATER SW-120	WATER SW-120	WATER SW-120	WATER SW-130	WATER SW-140	WATER SW-150	
DATE	11/09/91	11/09/91	12/12/91	12/12/91	11/09/91	11/09/91	11/09/91	
MAIN ID	W0711-39	W0711-46	W1012118	W1012118RE	W0711-55	W0711-64	W0811-73	
LAB ID	148630	148637	150997	150997	148643	148649	148655	
COMPOUND	UNITS							
alpha-BHC	ug/L	0.05 U	0.056 U	0.05 U	0.05 U	0.053 U	0.054 U	0.051 U
beta-BHC	ug/L	0.05 U	0.056 U	0.05 U	0.05 U	0.053 U	0.054 U	0.051 U
delta-BHC	ug/L	0.05 U	0.056 U	0.05 U	0.05 U	0.053 U	0.054 U	0.051 U
gamma-BHC (Lindane)	ug/L	0.05 U	0.056 U	0.05 U	0.05 U	0.053 U	0.054 U	0.051 U
Heptachlor	ug/L	0.05 U	0.056 U	0.05 U	0.05 U	0.053 U	0.054 U	0.051 U
Aldrin	ug/L	0.05 U	0.056 U	0.05 U	0.05 U	0.053 U	0.054 U	0.051 U
Heptachlor epoxide	ug/L	0.05 U	0.056 U	0.05 U	0.05 U	0.053 U	0.054 U	0.051 U
Endosulfan I	ug/L	0.05 U	0.056 U	0.05 U	0.05 U	0.053 U	0.054 U	0.051 U
Dieldrin	ug/L	0.099 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	0.1 U
4,4'-DDE --	ug/L	0.099 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	0.1 U
Endrin	ug/L	0.099 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	0.1 U
Endosulfan II	ug/L	0.099 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	0.1 U
4,4'-DDD	ug/L	0.099 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	0.1 U
Endosulfan sulfate	ug/L	0.099 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	0.1 U
4,4'-DDT	ug/L	0.099 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	0.1 U
Methoxychlor	ug/L	0.5 U	0.56 U	0.5 U	0.5 U	0.53 U	0.54 U	0.51 U
Endrin ketone	ug/L	0.099 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	0.1 U
alpha-Chlordane	ug/L	0.5 U	0.56 U	0.5 U	0.5 U	0.53 U	0.54 U	0.51 U
gamma-Chlordane	ug/L	0.5 U	0.56 U	0.5 U	0.5 U	0.53 U	0.54 U	0.51 U
Toxaphene	ug/L	0.99 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U
Aroclor-1016	ug/L	0.5 U	0.56 U	0.5 U	0.5 U	0.53 U	0.54 U	0.51 U
Aroclor-1221	ug/L	0.5 U	0.56 U	0.5 U	0.5 U	0.53 U	0.54 U	0.51 U
Aroclor-1232	ug/L	0.5 U	0.56 U	0.5 U	0.5 U	0.53 U	0.54 U	0.51 U
Aroclor-1242	ug/L	0.5 U	0.56 U	0.5 U	0.5 U	0.53 U	0.54 U	0.51 U
Aroclor-1248	ug/L	0.5 U	0.56 U	0.5 U	0.5 U	0.53 U	0.54 U	0.51 U
Aroclor-1254	ug/L	0.99 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U
Aroclor-1260	ug/L	0.99 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 U

SENECA ARMY DEPOT
OB GROUNDS

SURFACE WATER & SEDIMENTS
PESTICIDE AND PCB'S ANALYSIS

MATRIX LOCATION	WATER SW-150	WATER SW-160	WATER SW-170	WATER SW-191	WATER SW-192	WATER SW-193	WATER SW-194	
DATE	11/09/91	11/14/91	11/14/91	11/08/91	11/15/91	11/15/91	11/15/91	
MAIN ID	W0811-82	W1211-96	W1211-97	W0611-15	W1311-103	W1311-100	W1311-101	
LAB ID	148661	148903	148904	148597	149062	149059	149060	
COMPOUND	UNITS							
alpha-BHC	ug/L	0.05 U	0.05 U	0.05 U	0.065 U	0.05 U	0.052 U	0.056 U
beta-BHC	ug/L	0.05 U	0.05 U	0.05 U	0.065 U	0.05 U	0.052 U	0.056 U
delta-BHC	ug/L	0.05 U	0.05 U	0.05 U	0.065 U	0.05 U	0.052 U	0.056 U
gamma-BHC (Lindane)	ug/L	0.05 U	0.05 U	0.05 U	0.065 U	0.05 U	0.052 U	0.056 U
Heptachlor	ug/L	0.05 U	0.05 U	0.05 U	0.065 U	0.05 U	0.052 U	0.056 U
Aldrin	ug/L	0.05 U	0.05 U	0.05 U	0.065 U	0.05 U	0.052 U	0.056 U
Heptachlor epoxide	ug/L	0.05 U	0.05 U	0.05 U	0.065 U	0.05 U	0.052 U	0.056 U
Endosulfan I	ug/L	0.05 U	0.05 U	0.05 U	0.065 U	0.05 U	0.052 U	0.056 U
Dieldrin	ug/L	0.099 U	0.1 U	0.1 U	0.13 U	0.1 U	0.1 U	0.11 U
4,4'-DDE	ug/L	0.099 U	0.1 U	0.1 U	0.13 U	0.1 U	0.1 U	0.11 U
Endrin	ug/L	0.099 U	0.1 U	0.1 U	0.13 U	0.1 U	0.1 U	0.11 U
Endosulfan II	ug/L	0.099 U	0.1 U	0.1 U	0.13 U	0.1 U	0.1 U	0.11 U
4,4'-DDD	ug/L	0.099 U	0.1 U	0.1 U	0.13 U	0.1 U	0.1 U	0.11 U
Endosulfan sulfate	ug/L	0.099 U	0.1 U	0.1 U	0.13 U	0.1 U	0.1 U	0.11 U
4,4'-DDT	ug/L	0.099 U	0.1 U	0.1 U	0.13 U	0.1 U	0.1 U	0.11 U
Methoxychor	ug/L	0.5 U	0.5 U	0.5 U	0.65 U	0.5 U	0.52 U	0.56 U
Endrin ketone	ug/L	0.099 U	0.1 U	0.1 U	0.13 U	0.1 U	0.1 U	0.11 U
alpha-Chlordane	ug/L	0.5 U	0.5 U	0.5 U	0.65 U	0.5 U	0.52 U	0.56 U
gamma-Chlordane	ug/L	0.5 U	0.5 U	0.5 U	0.65 U	0.5 U	0.52 U	0.56 U
Toxaphene	ug/L	0.99 U	1 U	1 U	1.3 U	1 U	1 U	1.1 U
Aroclor-1016	ug/L	0.5 U	0.5 U	0.5 U	0.65 U	0.5 U	0.52 U	0.56 U
Aroclor-1221	ug/L	0.5 U	0.5 U	0.5 U	0.65 U	0.5 U	0.52 U	0.56 U
Aroclor-1232	ug/L	0.5 U	0.5 U	0.5 U	0.65 U	0.5 U	0.52 U	0.56 U
Aroclor-1242	ug/L	0.5 U	0.5 U	0.5 U	0.65 U	0.5 U	0.52 U	0.56 U
Aroclor-1248	ug/L	0.5 U	0.5 U	0.5 U	0.65 U	0.5 U	0.52 U	0.56 U
Aroclor-1254	ug/L	0.99 U	1 U	1 U	1.3 U	1 U	1 U	1.1 U
Aroclor-1260	ug/L	0.99 U	1 U	1 U	1.3 U	1 U	1 U	1.1 U

SENECA ARMY DEPOT
OB GROUNDS

SURFACE WATER & SEDIMENTS
PESTICIDE AND PCB'S ANALYSIS

COMPOUND	MATRIX LOCATION	WATER SW-195	WATER SW-196	WATER SW-197
	DATE MAIN ID LAB ID	11/15/91 W1311-102 149061	11/14/91 W1211-98 148905	11/15/91 W1311-104 149063
	UNITS			
alpha-BHC	ug/L	0.05 U	0.05 U	0.05 U
beta-BHC	ug/L	0.05 U	0.05 U	0.05 U
delta-BHC	ug/L	0.05 U	0.05 U	0.05 U
gamma-BHC (Lindane)	ug/L	0.05 U	0.05 U	0.05 U
Heptachlor	ug/L	0.05 U	0.05 U	0.05 U
Aldrin	ug/L	0.05 U	0.05 U	0.05 U
Heptachlor epoxide	ug/L	0.05 U	0.05 U	0.05 U
Endosulfan I	ug/L	0.05 U	0.05 U	0.05 U
Dieldrin	ug/L	0.1 U	0.1 U	0.1 U
4,4'-DDE	ug/L	0.1 U	0.1 U	0.1 U
Endrin	ug/L	0.1 U	0.1 U	0.1 U
Endosulfan II	ug/L	0.1 U	0.1 U	0.1 U
4,4'-DDD	ug/L	0.1 U	0.1 U	0.1 U
Endosulfan sulfate	ug/L	0.1 U	0.1 U	0.1 U
4,4'-DDT	ug/L	0.1 U	0.1 U	0.1 U
Methoxychor	ug/L	0.5 U	0.5 U	0.5 U
Endrin ketone	ug/L	0.1 U	0.1 U	0.1 U
alpha-Chlordane	ug/L	0.5 U	0.5 U	0.5 U
gamma-Chlor dane	ug/L	0.5 U	0.5 U	0.5 U
Toxaphene	ug/L	1 U	1 U	1 U
Aroclor-1016	ug/L	0.5 U	0.5 U	0.5 U
Aroclor-1221	ug/L	0.5 U	0.5 U	0.5 U
Aroclor-1232	ug/L	0.5 U	0.5 U	0.5 U
Aroclor-1242	ug/L	0.5 U	0.5 U	0.5 U
Aroclor-1248	ug/L	0.5 U	0.5 U	0.5 U
Aroclor-1254	ug/L	1 U	1 U	1 U
Aroclor-1260	ug/L	1 U	1 U	1 U

SENECA ARMY DEPOT
OB GROUNDS

SURFACE WATER & SEDIMENTS
PESTICIDE AND PCB'S ANALYSIS

MATRIX LOCATION	SOIL SW-120	SOIL SW-120	SOIL SW-130	SOIL SW-140	SOIL SW-150	SOIL SW-160	SOIL SW-170
DATE	11/09/91	12/12/91	11/15/91	11/09/91	11/15/91	11/14/91	11/14/91
MAIN ID	S0711-51	S1012118	S1411-60A	S0811-69	S1411-87A	S1211-96	S1211-97
LAB ID	148615	150995	149054	148619	149057	148898	148899
COMPOUND	UNITS						
alpha-BHC	ug/Kg	20 U	19 U	19 U	19 U	21 U	25 U
beta-BHC	ug/Kg	20 U	19 U	19 U	19 U	21 U	25 U
delta-BHC	ug/Kg	20 U	19 U	19 U	19 U	21 U	25 U
gamma-BHC (Lindane)	ug/Kg	20 U	19 U	19 U	19 U	21 U	25 U
Heptachlor	ug/Kg	20 U	19 U	19 U	19 U	21 U	25 U
Aldrin	ug/Kg	20 U	19 U	19 U	19 U	21 U	25 U
Heptachlor epoxide	ug/Kg	20 U	19 U	19 U	19 U	21 U	25 U
Endosulfan I	ug/Kg	20 U	19 U	19 U	19 U	21 U	25 U
Dieldrin	ug/Kg	39 U	39 U	38 U	38 U	43 U	49 U
4,4'-DDE	ug/Kg	39 U	39 U	38 U	38 U	43 U	49 U
Endrin	ug/Kg	39 U	39 U	38 U	38 U	43 U	49 U
Endosulfan II	ug/Kg	39 U	39 U	38 U	38 U	43 U	49 U
4,4'-DDD	ug/Kg	39 U	39 U	38 U	38 U	43 U	49 U
Endosulfan sulfate	ug/Kg	39 U	39 U	38 U	38 U	43 U	49 U
4,4'-DDT	ug/Kg	39 U	39 U	38 U	38 U	43 U	49 U
Methoxychor	ug/Kg	200 U	190 U	190 U	190 U	210 U	250 U
Endrin ketone	ug/Kg	39 U	39 U	38 U	38 U	43 U	49 U
alpha-Chlordane	ug/Kg	200 U	190 U	190 U	190 U	210 U	250 U
gamma-Chlor dane	ug/Kg	200 U	190 U	190 U	190 U	210 U	250 U
Toxaphene	ug/Kg	390 U	390 U	380 U	380 U	430 U	490 U
Aroclor-1016	ug/Kg	200 U	190 U	190 U	190 U	210 U	250 U
Aroclor-1221	ug/Kg	200 U	190 U	190 U	190 U	210 U	250 U
Aroclor-1232	ug/Kg	200 U	190 U	190 U	190 U	210 U	250 U
Aroclor-1242	ug/Kg	200 U	190 U	190 U	190 U	210 U	250 U
Aroclor-1248	ug/Kg	200 U	190 U	190 U	190 U	210 U	250 U
Aroclor-1254	ug/Kg	390 U	390 U	380 U	380 U	430 U	490 U
Aroclor-1260	ug/Kg	390 U	390 U	380 U	380 U	430 U	490 U

SENECA ARMY DEPOT
OB GROUNDS

SURFACE WATER & SEDIMENTS
PESTICIDE AND PCB'S ANALYSIS

MATRIX LOCATION	SOIL SW-180	SOIL SW-180	SOIL SW-190	SOIL SW-191	SOIL SW-192	SOIL SW-193	SOIL SW-194	
DATE	12/12/91	11/09/91	11/08/91	11/08/91	11/15/91	11/15/91	11/15/91	
MAIN ID	S1012117	S0811-90	S0611-23	S0611-20	S1311-103	S1311-100	S1311-101	
LAB ID	150725	148626	148586	148583	149052	149049	149050	
COMPOUND	UNITS							
alpha-BHC	ug/Kg	23 U	22 U	18 U	64 U	40 U	23 U	25 U
beta-BHC	ug/Kg	23 U	22 U	18 U	64 U	40 U	23 U	25 U
delta-BHC	ug/Kg	23 U	22 U	18 U	64 U	40 U	23 U	25 U
gamma-BHC (Lindane)	ug/Kg	23 U	22 U	18 U	64 U	40 U	23 U	25 U
Heptachlor	ug/Kg	23 U	22 U	18 U	64 U	40 U	23 U	25 U
Aldrin	ug/Kg	23 U	22 U	18 U	64 U	40 U	23 U	25 U
Heptachlor epoxide	ug/Kg	23 U	22 U	18 U	64 U	40 U	23 U	25 U
Endosulfan I	ug/Kg	23 U	22 U	18 U	64 U	40 U	23 U	25 U
Dieldrin	ug/Kg	47 U	44 U	36 U	130 U	80 U	46 U	51 U
4,4'-DDE	ug/Kg	47 U	44 U	36 U	130 U	80 U	46 U	51 U
Endrin	ug/Kg	47 U	44 U	36 U	130 U	80 U	46 U	51 U
Endosulfan II	ug/Kg	47 U	44 U	36 U	130 U	80 U	46 U	51 U
4,4'-DDD	ug/Kg	47 U	44 U	36 U	130 U	80 U	46 U	51 U
Endosulfan sulfate	ug/Kg	47 U	44 U	36 U	130 U	80 U	46 U	51 U
4,4'-DDT	ug/Kg	47 U	44 U	36 U	130 U	80 U	46 U	51 U
Methoxychor	ug/Kg	230 U	220 U	180 U	640 U	400 U	230 U	250 U
Endrin ketone	ug/Kg	47 U	44 U	36 U	130 U	80 U	46 U	51 U
alpha-Chlordane	ug/Kg	230 U	220 U	180 U	640 U	400 U	230 U	250 U
gamma-Chlordane	ug/Kg	230 U	220 U	180 U	640 U	400 U	230 U	250 U
Toxaphene	ug/Kg	470 U	440 U	360 U	1300 U	800 U	460 U	510 U
Aroclor-1016	ug/Kg	230 U	220 U	180 U	640 U	400 U	230 U	250 U
Aroclor-1221	ug/Kg	230 U	220 U	180 U	640 U	400 U	230 U	250 U
Aroclor-1232	ug/Kg	230 U	220 U	180 U	640 U	400 U	230 U	250 U
Aroclor-1242	ug/Kg	230 U	220 U	180 U	640 U	400 U	230 U	250 U
Aroclor-1248	ug/Kg	230 U	220 U	180 U	640 U	400 U	230 U	250 U
Aroclor-1254	ug/Kg	470 U	440 U	360 U	1300 U	800 U	460 U	510 U
Aroclor-1260	ug/Kg	470 U	440 U	360 U	1300 U	800 U	460 U	510 U

SENECA ARMY DEPOT
OB GROUND

SURFACE WATER & SEDIMENTS
PESTICIDE AND PCB'S ANALYSIS

COMPOUND	MATRIX	SOIL	SOIL	SOIL
	LOCATION	SW-195	SW-196	SW-197
	DATE	11/15/91	11/14/91	11/15/91
	MAIN ID	S1311-102	S1211-98	S1311-104
	LAB ID	149051	148900	149053
	UNITS			
alpha-BHC	ug/Kg	30 U	19 U	28 U
beta-BHC	ug/Kg	30 U	19 U	28 U
delta-BHC	ug/Kg	30 U	19 U	28 U
gamma-BHC (Lindane)	ug/Kg	30 U	19 U	28 U
Heptachlor	ug/Kg	30 U	19 U	28 U
Aldrin	ug/Kg	30 U	19 U	28 U
Heptachlor epoxide	ug/Kg	30 U	19 U	28 U
Endosulfan I	ug/Kg	30 U	19 U	28 U
Dieldrin	ug/Kg	59 U	38 U	57 U
4,4'-DDE	ug/Kg	59 U	38 U	57 U
Endrin	ug/Kg	59 U	38 U	57 U
Endosulfan II	ug/Kg	59 U	38 U	57 U
4,4'-DDD	ug/Kg	59 U	38 U	57 U
Endosulfan sulfate	ug/Kg	59 U	38 U	57 U
4,4'-DDT	ug/Kg	59 U	38 U	57 U
Methoxychor	ug/Kg	300 U	190 U	280 U
Endrin ketone	ug/Kg	59 U	38 U	57 U
alpha-Chlordane	ug/Kg	300 U	190 U	280 U
gamma-Chlor dane	ug/Kg	300 U	190 U	280 U
Toxaphene	ug/Kg	590 U	380 U	570 U
Aroclor-1016	ug/Kg	300 U	190 U	280 U
Aroclor-1221	ug/Kg	300 U	190 U	280 U
Aroclor-1232	ug/Kg	300 U	190 U	280 U
Aroclor-1242	ug/Kg	300 U	190 U	280 U
Aroclor-1248	ug/Kg	300 U	190 U	280 U
Aroclor-1254	ug/Kg	590 U	380 U	570 U
Aroclor-1260	ug/Kg	590 U	380 U	570 U

SENECA ARMY DEPOT
OB GROUND

SURFACE WATER & SEDIMENTS
EXPLOSIVES

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SW-110	SW-120	SW-130	SW-140	SW-150	SW-150 DL	SW-150 DL
UNITS	DATE	11/09/91	11/09/91	11/09/91	11/09/91	11/09/91	11/09/91	11/15/91
	MAIN ID	WO711-40	WO711-47	WO711-56	WO711-65	WO811-74	WO811-83	W1411-83A
	LAB ID	148631	148638	148644	148650	148656	148662	149065
HMX	ug/L	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	1 U
RDX	ug/L	0.12 U	0.67 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	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	0.4 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	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

SENECA ARMY DEPOT
OB GROUNDS

SURFACE WATER & SEDIMENTS
EXPLOSIVES

COMPOUND	MATRIX LOCATION	WATER SW-160	WATER SW-160 DL	WATER SW-170	WATER SW-192	WATER SW-193	WATER SW-194	WATER SW-195
	DATE MAIN ID LAB ID	11/14/91 W1211-96 148903	11/14/91 W1211-96DL 148903	11/14/91 W1211-97 148904	11/15/91 W1311-103 149062	11/15/91 W1311-100 149059	11/15/91 W1311-101 149060	11/15/91 W1311-102 149061
	UNITS							
HMX	ug/L	1 U	5 U	1 U	1 U	1 U	1 U	1 U
RDX	ug/L	9.4 X	9.4 D	0.67	0.12 U	1.3 U	4.6 U	0.44
1,3,5-Trinitrobenzene	ug/L	0.12 U	0.62 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
1,3-Dinitrobenzene	ug/L	0.12 U	0.62 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
Tetryl	ug/L	0.4 U	2 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	0.62 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	0.62 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	0.62 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
2,6-Dinitrotoluene	ug/L	0.12 U	0.62 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
2,4-Dinitrotoluene	ug/L	0.12 U	0.62 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U

SENECA ARMY DEPOT
OB GROUNDS

SURFACE WATER & SEDIMENTS
EXPLOSIVES

	MATRIX LOCATION	WATER SW-196	WATER SW-197
	DATE	11/14/91	11/15/92
	MAIN ID	W1211-98	W1311-104
	LAB ID	148905	149063
COMPOUND	UNITS		
HMX	ug/L	1 U	1 U
RDX	ug/L	0.12 U	0.12 U
1,3,5-Trinitrobenzene	ug/L	0.12 U	0.12 U
1,3-Dinitrobenzene	ug/L	0.12 U	0.12 U
Tetryl	ug/L	0.4 U	0.52
2,4,6-Trinitrotoluene	ug/L	0.12 U	0.12 U
4-amino-2,6-Dinitrotoluene	ug/L	0.12 U	0.12 U
2-amino-4,6-Dinitrotoluene	ug/L	0.12 U	0.12 U
2,6-Dinitrotoluene	ug/L	0.12 U	0.12 U
2,4-Dinitrotoluene	ug/L	0.12 U	0.12 U

SENECA ARMY DEPOT
OB GROUNDS

SURFACE WATER & SEDIMENTS
EXPLOSIVES

COMPOUND	MATRIX LOCATION	SOIL SW-180	SOIL SW-180	SOIL SW-190	SOIL SW-191	SOIL SW-192	SOIL SW-193
	DATE MAIN ID LAB ID	11/09/91 SO811-90 148626	12/12/91 S1012117 150725	11/08/91 S0611-23 148586	11/08/91 S0611-20 148583	1/15/91 S1311-103 149052	11/15/91 S1311-100 149049
	UNITS						
HMX	ug/L	120 U	1000 U	120 Y	120 U	1000 U	1000 U
RDX	ug/L	120 U	120 U	500	120 U	120 U	120 U
1,3,5-Trinitrobenzene	ug/L	120 U	120 U	120 U	120 U	120 U	120 U
1,3-Dinitrobenzene	ug/L	120 U	120 U	120 U	120 U	120 U	120 U
Tetryl	ug/L	120 U	400 U	120 U	120 U	400 U	400 U
2,4,6-Trinitrotoluene	ug/L	120 U	120 U	100 Y	120 U	120 U	120 U
4-amino-2,6-Dinitrotoluene	ug/L	120 U	120 U	160	120 U	120 U	120 U
2-amino-4,6-Dinitrotoluene	ug/L	120 U	120 U	180	120 U	120 U	120 U
2,6-Dinitrotoluene	ug/L	120 U	120 U	120 U	120 U	120 U	120 U
2,4-Dinitrotoluene	ug/L	120 U	120 U	98 Y	120 U	120 U	120 U

SENECA ARMY DEPOT
OB GROUNDS

SURFACE WATER & SEDIMENTS
EXPLOSIVES

COMPOUND	MATRIX LOCATION	SOIL SW-120	SOIL SW-120	SOIL SW-130 DL	SOIL SW-140	SOIL SW-150 DL	SOIL SW-160
	DATE MAIN ID LAB ID	11/09/91 S0711-51 148615	12/12/91 S1012118 150995	11/15/91 S1411-60A 149054	11/09/91 SO811-69 148619	11/15/91 S1411-87A 149057	11/14/91 S1211-96 148898
	UNITS						
HMX	ug/Kg	120 U	1000 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	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	120 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

SENECA ARMY DEPOT
OB GROUNDS

SURFACE WATER & SEDIMENTS
EXPLOSIVES

COMPOUND	MATRIX LOCATION	SOIL SW-170	SOIL SW-180	SOIL SW-180	SOIL SW-190	SOIL SW-191	SOIL SW-192	SOIL SW-193
	DATE	11/14/91	11/09/91	12/12/91	11/08/91	11/08/91	1/15/91	11/15/91
	MAIN ID	S1211-97	SO811-90	S1012117	S0611-23	S0611-20	S1311-103	S1311-100
	LAB ID	148899	148626	150725	148586	148583	149052	149049
	UNITS							
HMX	ug/Kg	1000 U	120 U	1000 U	120 Y	120 U	1000 U	1000 U
RDX	ug/Kg	120 U	120 U	120 U	500	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	400 U	120 U	400 U	120 U	120 U	400 U	400 U
2,4,6-Trinitrotoluene	ug/Kg	120 U	120 U	120 U	100 Y	120 U	120 U	120 U
4-amino-2,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	160	120 U	120 U	120 U
2-amino-4,6-Dinitrotoluene	ug/Kg	120 U	120 U	120 U	180	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	98 Y	120 U	120 U	120 U

SENECA ARMY DEPOT
OB GROUNDS

SURFACE WATER & SEDIMENTS
EXPLOSIVES

	MATRIX LOCATION	SOIL SW-194	SOIL SW-195	SOIL SW-196	SOIL SW-197
	DATE	11/15/91	11/15/91	11/14/91	11/15/91
	MAIN ID	S1311-101	S1311-102	S1211-98	S1311-104
	LAB ID	149050	149051	148900	149053
COMPOUND	UNITS				
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

SENECA ARMY DEPOT
OB GROUND

SURFACE WATER & SEDIMENTS
INORGANIC ANALYSIS

COMPOUND	MATRIX LOCATION	WATER SW-110	WATER SW-120	WATER SW-120	WATER SW-130	WATER SW-140	WATER SW-150	WATER SW-150
	DATE MAIN ID LAB ID UNITS	11/09/91 WO711-41 148632	11/09/91 WO711-48 148639	12/12/91 W1012118 150997	11/09/91 WO711-57 148645	11/09/91 WO711-66 148651	11/09/91 W0811-75 148657	11/09/91 WO811-84 148663
Aluminum	ug/L	109 U	300	102 B	109 U	109 U	109 U	139 B
Antimony	ug/L	53.4 U	53 U	55.5 U	53.1 U	53.4 U	53.4 U	53.4 U
Arsenic	ug/L	2.8 U	2.8 U	2.9 U	2.8 U	2.8 U	2.8 U	2.8 U
Barium	ug/L	66.6 B	65.7 B	48.9 B	52.3 B	51.2 B	59.5 B	53.2 B
Beryllium	ug/L	3.5 U	3.5 U	1.4 B	3.5 U	3.5 U	3.5 U	3.5 U
Cadmium	ug/L	4.7 U	4.7 U	3 U	4.7 U	4.7 U	4.7 U	4.7 U
Calcium	ug/L	121000	114000	96000	100000	87100	85600	83800
Chromium	ug/L	9.6 U	9.5 U	6.1 U	9.5 U	9.6 U	9.6 U	9.5 U
Cobalt	ug/L	31.3 U	31.1 U	19.8 U	31.1 U	31.3 U	31.3 U	31.1 U
Copper	ug/L	19.7 U	19.6 U	14.4 U	19.6 U	19.7 U	19.7 U	19.6 U
Iron	ug/L	98.4 B	670	142	236	314	737	737
Lead	ug/L	0.7 U	2.2 B	1.2 U	0.7 U	0.7 U	1 B	1.2 B
Magnesium	ug/L	18700	17300	13700	14400	12800	12900	12700
Manganese	ug/L	14.6 B	121	43.7	34.5	68.4	236	230
Mercury	ug/L	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.11 B	0.08 U
Nickel	ug/L	35.2 U	34.9 U	15.8 U	35 U	35.2 U	35.2 U	35 U
Potassium	ug/L	3800 B	3800 B	949 B	3070 B	3000 B	3470 B	2800 B
Selenium	ug/L	1.7 U	1.7 U	1 U	1.7 U	1.7 U	1.7 U	1.7 U
Silver	ug/L	8 U	7.9 U	9 U	8 U	8 U	8 U	8 U
Sodium	ug/L	26500	24700	21900	24100	23100	22900 U	22500
Thallium	ug/L	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
Vanadium	ug/L	30.9 U	30.7 U	30.3 U	30.7 U	30.9 U	30.9 U	30.7 U
Zinc	ug/L	13.6 U	15.1 B	14.1 B	13.5 U	13.6 U	13.6 U	13.5 U
Cyanide	ug/L			10 U			0	

SENECA ARMY DEPOT
OB GROUNDS

SURFACE WATER & SEDIMENTS
INORGANIC ANALYSIS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SW-160	SW-170	SW-191	SW-192	SW-193	SW-194	SW-195
	DATE MAIN ID LAB ID UNITS	11/14/91 W1211-96 148903	11/14/91 W1211-97 148897	11/08/91 WO611-17 148599	11/15/91 W1311-103 149062	11/15/91 W1311-100 149059	11/15/91 W1311-101 149060	11/15/92 W1311-102 149061
Aluminum	ug/L	98.3 U	98.3 U	1430	74.8 B	269	481	5220
Antimony	ug/L	56 U	56 U	53 U	53.3 U	55.7 U	53 U	53 U
Arsenic	ug/L	3.7 U	3.7 U	2.8 U	3.7 U	4.4	3.9 B	3.9 B
Barium	ug/L	68.5 B	109 B	196 B	111 B	43.5 B	69.8 B	98.7 B
Beryllium	ug/L	1.2 U	1.2 U	3.5 U	1.1 U	1.2 B	1.1 U	1.3 B
Cadmium	ug/L	3 U	3 U	4.7 U	3 U	3 U	3 U	3 U
Calcium	ug/L	93300	78600	183000	106000	66200	78000	42000
Chromium	ug/L	6.2 U	6.2 U	9.5 U	6.2 U	6.2 U	6.2 U	8.6 B
Cobalt	ug/L	20.5 U	20.5 U	31.1 U	20.5 U	20.4 U	20.3 U	20.4 U
Copper	ug/L	14.5 U	14.5 U	24 B	20.9 B	14.4 U	28.1	37.2
Iron	ug/L	189	181	3190	152	319	741	6730
Lead	ug/L	1.4 B	3.6	74.2	6.6	0.7 U	8.3	37.9
Magnesium	ug/L	9320	10400	34700	16000	7290	7900	7340
Manganese	ug/L	14.9 B	12.6 B	240	13.5 B	31	29.9	297
Mercury	ug/L	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.09 B	0.08 U
Nickel	ug/L	16 U	16 U	35 U	14.8 U	15.9 U	14.7 U	14.7 U
Potassium	ug/L	1860 B	4590 B	6050	2700 B	1840 B	2360 B	5960
Selenium	ug/L	1.7 U	1.7 U	2 B	0.99 B	1.7 U	1 U	1 U
Silver	ug/L	9.1 U	9.1 U	7.9 U	3.4 U	9.1 U	3.4 U	3.4 U
Sodium	ug/L	4170 B	4850 U	13800	7720	7400	5250	6010
Thallium	ug/L	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
Vanadium	ug/L	37.2 B	33 B	30.7 U	11.2 B	30.4 U	11 B	19.5 B
Zinc	ug/L	13.5 U	13.5 U	98	52.3	13.4 U	26.6	154
Cyanide	ug/L				10 U		10 U	10 U

SENECA ARMY DEPOT
OB GROUNDS

SURFACE WATER & SEDIMENTS
INORGANIC ANALYSIS

COMPOUND	MATRIX	WATER	WATER
	LOCATION	SW-196	SW-197
	DATE	11/14/91	11/15/91
	MAIN ID	W1211-98	W1311-104
	LAB ID	148905	149063
	UNITS		
Aluminum	ug/L	97.5 U	1490
Antimony	ug/L	55.5 U	53 U
Arsenic	ug/L	3.7 U	3.7 U
Barium	ug/L	52.2 U	35.5 B
Beryllium	ug/L	1.2 U	1.1 U
Cadmium	ug/L	3 U	3 U
Calcium	ug/L	65800	24800
Chromium	ug/L	6.1 U	6.2 U
Cobalt	ug/L	20.3 U	20.4 U
Copper	ug/L	14.4 U	10.5 B
Iron	ug/L	75.3 B	2210
Lead	ug/L	0.7 U	3
Magnesium	ug/L	8980	4340 B
Manganese	ug/L	16.8	247
Mercury	ug/L	0.08 U	0.08 U
Nickel	ug/L	15.9 U	14.7 U
Potassium	ug/L	2420 B	5610
Selenium	ug/L	1.7 U	1 U
Silver	ug/L	9 U	3.4 U
Sodium	ug/L	59100	1830 B
Thallium	ug/L	2.8 U	2.8 U
Vanadium	ug/L	39.2 B	9.4 U
Zinc	ug/L		39.3
Cyanide	ug/L		10 U

SENECA ARMY DEPOT
OB GROUNDS

SURFACE WATER & SEDIMENTS
INORGANIC ANALYSIS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SW-120	SW-120	SW-130	SW-140	SW-150	SW-150	SW-160
	DATE MAIN ID LAB ID UNITS	11/09/91 S0711-52 148616	12/12/91 S1012118 150995	11/15/91 S1411-61A 149055	11/09/91 SO811-70 148620	11/09/91 SO811-88 148624	11/09/91 SO811-79 148622	11/14/91 S1211-96 148898
Aluminum	ug/Kg	10600	10700	6450	15600	13700	11900	17300
Antimony	ug/Kg	8 U	6.4 U	7.5 U	7 U	13.7 U	8.8 U	10.7 U
Arsenic	ug/Kg	3.9	7.4	5	3.9	3.7	3.4	4.8
Barium	ug/Kg	39.3	53.9	23.6 B	55.3	47 B	35.6	158
Beryllium	ug/Kg	0.64 B	0.68	0.45 B	0.81	0.94 B	0.67 B	1
Cadmium	ug/Kg	2.7	2.3	1.8	3.4	2.4	2.7	4.1
Calcium	ug/Kg	27700	24200	31100	28900	17800	28200	9500
Chromium	ug/Kg	20.2	21.5	14.4	28.1	26.5	21.7	27.1
Cobalt	ug/Kg	8	10.2	6.5 B	11	10.8 B	10	14.6
Copper	ug/Kg	25.3	49.7	18.7	31.6	32.6	31.4	88
Iron	ug/Kg	27500	24400	24200	38500	32800	28300	32900
Lead	ug/Kg	28.3	311	21	20.3	24.6	49.9	66
Magnesium	ug/Kg	5660	6030	3720	7930	7020	6260	6260
Manganese	ug/Kg	540	339	346	596	367	373	1520
Mercury	ug/Kg	0.12 B	0.69	0.04 U	0.04 B	0.07 B	0.15	1.1
Nickel	ug/Kg	33.5	35.7	22.1	44	43	39.9	43
Potassium	ug/Kg	1030	1010	574 B	1510	1750	1120	2000
Selenium	ug/Kg	0.22 B	0.22 U	0.37 U	0.16 U	0.29 B	0.23 B	3 U
Silver	ug/Kg	1.2 U	1 U	1.2 U	1 U	2 U	1.3 U	1.7 U
Sodium	ug/Kg	64.5 B	63.9 B	70.4 B	96 B	105 U	67.8 B	97.9 B
Thallium	ug/Kg	0.52 U	0.61 U	0.61 U	0.46 U	0.51 U	0.58 U	0.5 U
Vanadium	ug/Kg	17.3	17.1	10.4	23.4	23.4	19.7 U	24
Zinc	ug/Kg	90.3	122	39.6	108	87.1	60.2	233
Cyanide	ug/Kg	0.72 U	0.66 U	0.62 U	0.66 U	0.79 U	0.77	0.91 U

SENECA ARMY DEPOT
OB GROUNDS

SURFACE WATER & SEDIMENTS
INORGANIC ANALYSIS

COMPOUND	MATRIX LOCATION	SOIL SW-170	SOIL SW-180	SOIL SW-180	SOIL SW-190	SOIL SW-191	SOIL SW-192	SOIL SW-193
	DATE MAIN ID LAB ID UNITS	11/14/91 S1211-97 148899	12/12/91 S1012117 150725	11/09/91 SO811-91 148627	11/09/91 SO611-24 148587	11/08/91 SO611-21 148584	11/15/91 S1311-103 149052	11/15/91 S1311-100 149049
Aluminum	ug/Kg	19000	17500	25800	18700	19100	22900	16000
Antimony	ug/Kg	15 U	8.3	10.4 U	9.5 U	37.3 U	21.2 U	11.8 U
Arsenic	ug/Kg	7.1	2.5	5.1	4.9	4.7 B	7.4	6
Barium	ug/Kg	245	149	385	183	701	313	106
Beryllium	ug/Kg	1.1 B	0.9	1.2	1	2.4 U	1.6 B	0.97 B
Cadmium	ug/Kg	4.2	2	3.3	9.7	6.3	5	2.3
Calcium	ug/Kg	12100	2020	2420	28700	11900	10100	5720
Chromium	ug/Kg	28.5	24.3	35.5	27.4	34.6	41.8	25.3
Cobalt	ug/Kg	11 B	10.9	11.6	12.8	21.8 U	17.7 B	16.1
Copper	ug/Kg	158	84.5	105	416	259	217	21.2
Iron	ug/Kg	31300	24100	37100	34300	31700	40900	33000
Lead	ug/Kg	131	36.5	274	59.3	463	280	331.9
Magnesium	ug/Kg	6270	4690	7010	7860	8100	9900	5410
Manganese	ug/Kg	362	383	468	659	586	439	555
Mercury	ug/Kg	0.91	0.09 B	0.13	2	0.29 B	0.18 B	0.04 U
Nickel	ug/Kg	45.3	29.8	41.6	39.1	56.8	64.4	40.8
Potassium	ug/Kg	2660	1460	3340	2940	3350 B	3530	2210
Selenium	ug/Kg	0.4 U	0.13 U	0.22 U	0.12 U	0.62 B	0.45 U	0.4 U
Silver	ug/Kg	2.4 U	1.2 U	1.6 U	1.8 B	5.6 U	3.4 U	1.9 U
Sodium	ug/Kg	107 B	43.9 U	79.8 U	73 U	285 U	123 U	68.5 U
Thallium	ug/Kg	0.66 U	0.36 U	0.61 U	0.34 U	1.8 U	0.74 U	0.66 U
Vanadium	ug/Kg	30.8	26.3	39.8	30.3	38.1	37.9	24.6
Zinc	ug/Kg	272	107	131	360	419	655	100
Cyanide	ug/Kg	0.88 U	0.81 U	0.77 U	0.67 U	2 U	1.3 U	0.81 U

SENECA ARMY DEPOT
OB GROUNDS

SURFACE WATER & SEDIMENTS
INORGANIC ANALYSIS

COMPOUND	MATRIX LOCATION	SOIL SW-194	SOIL SW-195	SOIL SW-196	SOIL SW-197
	DATE MAIN ID LAB ID UNITS	11/15/91 S1311-101 149050	11/15/91 S1311-102 149051	11/14/91 S1211-98 148900	11/15/91 S1311-104 149053
Aluminum	ug/Kg	15800	14000	8310	15400
Antimony	ug/Kg	12.9 U	14.1 U	10.3 U	11.4 U
Arsenic	ug/Kg	3.8	5.7	4.4	6.6
Barium	ug/Kg	196	170	44.1	106
Beryllium	ug/Kg	0.98 B	1.1 B	0.71 B	1
Cadmium	ug/Kg	2.8	2.8	2	2
Calcium	ug/Kg	15100	3130	104000	2840
Chromium	ug/Kg	24.6	23.5	15.2	21.7
Cobalt	ug/Kg	11.3 B	9.5 B	7.5 B	11.3
Copper	ug/Kg	82.4	69.4	22.4	24.4
Iron	ug/Kg	31100	23700	23900	28600
Lead	ug/Kg	268	73.6	15.4	31.7
Magnesium	ug/Kg	6500	4430	12000	4310
Manganese	ug/Kg	532	322	468	338
Mercury	ug/Kg	0.54	0.1 B	0.17	0.06 U
Nickel	ug/Kg	38.2	31.6	23.3	30.2
Potassium	ug/Kg	1980	1920	938	1540
Selenium	ug/Kg	0.49 U	0.57 U	0.31 U	0.35 U
Silver	ug/Kg	2.1 U	2.3 U	1.7 U	1.8 U
Sodium	ug/Kg	74.5 U	81.7 U	194 U	65.8 U
Thallium	ug/Kg	0.81 U	0.93 U	0.51 U	0.57 U
Vanadium	ug/Kg	22.6	21.9	10.9	27.2
Zinc	ug/Kg	251	281	76	89
Cyanide	ug/Kg	0.82 U	1 U	0.71 U	0.98 U

APPENDIX H
ECOLOGICAL DATA

**BIRD SPECIES POSSIBLY OCCURRING IN THE 0.5 MILE STUDY
AREA FOR THE SENECA ARMY DEPOT OB/OD REMEDIAL STUDY**

COMMON NAMESCIENTIFIC NAME

Pied-billed Grebe*	<u>Podilymbus podiceps</u>
American Bittern*	<u>Botaurus lentiginosus</u>
Least Bittern*	<u>Ixobrychus exilis</u>
Great Blue Heron*	<u>Ardea herodias</u>
Great Egret	<u>Casmerodius albus</u>
Snowy Egret	<u>Egretta thula</u>
Little Blue Heron	<u>Florida caerurea</u>
Green-backed Heron	<u>Butorides striafus</u>
Black-crowned Night Heron	<u>Nycitricorax nycitricorax</u>
Canada Goose	<u>Branta canadensis</u>
Wood Duck*	<u>Air sponsa</u>
Green-winged Teal	<u>Anas crecca</u>
American Black Duck	<u>Anas rubripes</u>
Mallard*	<u>Anas platyrhynchos</u>
Northern Pintail	<u>Anas acuta</u>
Blue-winged Teal*	<u>Anas discors</u>
Northern Shoveler	<u>Anas clypeata</u>
Gadwall	<u>Anas strepera</u>
American Widgeon	<u>Anas wigeon</u>
Hooded Merganser*	<u>Lophodytes cucullatus</u>
Turkey Vulture*	<u>Cathartes aura</u>
Northern Harrier*	<u>Circus cyaneus</u>
Sharp-shinned Hawk	<u>Accipiter striatos</u>
Cooper's Hawk	<u>Accipiter cooperii</u>
Northern Goshawk*	
Red-shouldered Hawk*	<u>Buteo lineatus</u>
Broad-winged Hawk	<u>Buteo platypterus</u>
Red-tailed Hawk*	<u>Buteo jamaicensis</u>
Roughlegged Hawk	<u>Buteo lagopus</u>
American Kestrel*	<u>Falco sparverius</u>
Ring-necked Pheasant*	<u>Phasianus colchicus</u>
Ruffed Grouse	<u>Bonasa umbellus</u>
Wild Turkey*	<u>Melegris gallopavo</u>
Virginia Rail	<u>Rallus limicola</u>
Sora	<u>Porzana carolina</u>
Common Moorhen*	<u>Gallinula chloropus</u>
American Coot	<u>Fullca americana</u>
Killdeer*	<u>Charadrius voaferus</u>
Spotted Sandpiper*	<u>Actitis macularia</u>
Upland Sandpiper*	<u>Bartramia longicauda</u>

COMMON NAMESCIENTIFIC NAME

Common Snipe*	<u>Capella gallinago</u>
American Woodcock*	<u>Philohela minor</u>
Ring-billed Gull	<u>Larus delavarensis</u>
Herring Gull	<u>Larus argentatus</u>
Greater Black-backed Gull	<u>Larus marinus</u>
Rock Dove*	<u>Columba livia</u>
Morning Dove*	<u>Zenaida macroura</u>
Black-billed Cuckoo*	<u>Coccyzus erythrophthalmus</u>
Yellow-billed Cuckoo	<u>Coccyzus americanus</u>
Common Barn Owl*	<u>Tyto alba</u>
Eastern Screech Owl*	<u>Bubo virginianus</u>
Great Horned Owl*	
Snowy Owl	<u>Nyctea scandiaca</u>
Barrred Owl	<u>Striv varia</u>
Short-eared Owl	<u>Asio flammeus</u>
Long-eared Owl	<u>Asio otus</u>
Common Nighthawk*	<u>Chordeiles minor</u>
Whip-poor-will	
Chimney Swift*	<u>Chaetura pelagica</u>
Ruby-throated Hummingbird*	<u>Archilochus colubris</u>
Belted Kingfisher*	<u>Megaceryle alcyon</u>
Red-headed Woodpecker*	<u>Melanerpes erythrocephalus</u>
Yellow-bellied Sapsucker	
Red-bellied Woodpecker*	<u>Melanerpes carolinus</u>
Downy Woodpecker*	<u>Picoides pubescens</u>
Hairy Woodpecker*	<u>Picoides villosus</u>
Common Flicker*	<u>Colaptes auratus</u>
Pileated Woodpecker*	<u>Dryocopus pileatus</u>
Eastern Wood Pewee*	<u>Contopus virens</u>
Acadian Flycatcher	<u>Empidonax virescens</u>
Alder Flycatcher	<u>Empidonax alnorum</u>
Willow Flycatcher*	<u>Empidonax traillii</u>
Least Flycatcher*	<u>Empidonax minimus</u>
Eastern Phoebe*	<u>Sayornis phoebe</u>
Great Crested Flycatcher*	<u>Myiarchus crinitus</u>
Eastern Kingbird*	<u>Tyrannus tyrannus</u>
Horned Lark*	<u>Eremophila alpestris</u>
Purple Martin*	<u>Progne subis</u>
Tree Swallow*	
Northern Rough-winged Swallow*	<u>Stelgidopteryx ruficollis</u>
Bank Swallow	<u>Riparia riparia</u>
Cliff Swallow	<u>Petrochelidon pyrrhonota</u>
Barn Swallow*	<u>Hirundo rustica</u>

COMMON NAMESCIENTIFIC NAME

Blue Jay*	<u>Cyanocitta cristata</u>
American Crow*	<u>Corvus brachyrhynchos</u>
Black-capped Chickadee*	<u>Parus atricapillus</u>
Tufted Titmouse*	<u>Parus bicolor</u>
Red-breasted Nuthatch	
White-breasted Nuthatch*	<u>Sitta carolinensis</u>
Brown Creeper*	<u>Corthia familiaris</u>
Carolina Wren*	<u>Thryothorus ludovicianus</u>
House Wren*	<u>Troglodytes aedon</u>
Winter Wren	<u>Traglodylis Troglodytes</u>
March Wren*	<u>Cistathorus palustris</u>
Golden-crowned Kinglet	<u>Regulus satrapa</u>
Ruby-crowned Kinglet	<u>Regulus calendula</u>
Blue-gray Gnatcatcher*	<u>Polioplila caerulea</u>
Eastern Bluebird*	<u>Sialia sialis</u>
Veery*	<u>Catharus fuscescens</u>
Gray-cheeked Thrush	<u>Catharus fuscescens</u>
Swainson's Thrush	<u>Catharus ustulatus</u>
Hermit Thrush	<u>Cathrus guttatus</u>
Wood Thrush*	<u>Hylocichla muselina</u>
American Robin	<u>Turdus migratorius</u>
Gray Catbird*	<u>Pumellella carolenensis</u>
Northern Mockingbird	<u>Mimus polygllos</u>
Brown Thrasher*	<u>Toxostoma rufum</u>
Water Pipit	
Cedar Waxwing*	<u>Bombyalla cedrorum</u>
European Starling*	<u>Sturnus vulgaris</u>
Solitary Vireo	
Yellow-throated Vireo	
Warbling Vireo*	<u>Vireo gilvus</u>
Red-eyed Vireo*	
Blue-winged Warbler*	<u>Vermivora pinus</u>
Golden-winged Warbler	
Tennessee Warbler	
Orange-crowned Warbler	
Nashville Warbler	
Northern Parula	
Yellow Warbler*	<u>Dendroica etechia</u>
Chestnut-sided Warbler*	<u>Dendroica pensylvanica</u>
Magnolia Warbler	
Black-throated Blue Warbler	
Black-throated Green Warbler	
Blackburnian Warbler	

COMMON NAMESCIENTIFIC NAME

Pine Warbler	
Cerulean Warbler	
Black-and-white Warbler*	<u>Moiotilta varia</u>
American Redstart*	<u>Setophaga reticilla</u>
Ovenbird*	
Northern Waterthrush*	<u>Seiurud aivocapillus</u>
Mourning Warbler*	<u>Oporornis philadeplua</u>
Common Yellowthroat*	<u>Geothlypis trichas</u>
Canada Warbler	
Yellow-breasted Chat*	<u>Icteria virens</u>
Scarlet Tanager*	<u>Piranga olivacea</u>
Northern Cardinal*	<u>Cardinalis cardinalis</u>
Rose-breasted Grosbeak*	<u>Pheucticus ludovicianus</u>
Indigo Bunting*	<u>Passerina cyomea</u>
Rufus-sided Towhee*	<u>Pipilo erythrophthalmus</u>
American Tree Sparrow	<u>Spizella arbarea</u>
Chipping Sparrow*	<u>Spizella passerina</u>
Field Sparrow*	<u>Spizella pusilla</u>
Vesper Sparrow*	<u>Pooecetes gramineus</u>
Savannah Sparrow*	<u>Passerculus sandwichensis</u>
Grasshopper Sparrow*	<u>Ammodramus savannarum</u>
Song Sparrow*	<u>Melospiza melodia</u>
Swamp Sparrow*	<u>Melospiza georgiana</u>
Sparrow	<u>Zonotrichia albirollis</u>
Henslow's Sparrow*	<u>Ammodramus henslowii</u>
Northern Junco	<u>Junco hyemalis</u>
Bobolink*	<u>Dolichonyx oryzivorus</u>
Red-winged Blackbird*	<u>Agelaius phoeniceus</u>
Eastern Meadowlark*	<u>Sturnella magna</u>
Common Grackle*	<u>Quiscalus quiscula</u>
Brown-headed Cowbird*	<u>Molothrus ater</u>
Northern Oriole*	<u>Icterus galbula</u>
Purple Finch	
House Finch	<u>Carpodacus mexicanus</u>
Common Redpoll	
Pine Siskin	
American Goldfinch*	<u>Carduelis tristis</u>
Evening Grosbeak	
House Sparrow*	<u>Passer domesticus</u>
Fox Sparrow	

* Observed on Seneca Army Depot (SEAD 1992); other species listings based on U.S. Fish and Wildlife Service and N.Y. State Department of Environmental Conservation (1991) and Peterson (1980).

**BIRDS OBSERVED IN THE 0.5 MILE STUDY AREA FOR THE
OB/OD REMEDIAL STUDY DURING THE FALL 1991 SURVEYS**

<u>Bird Species</u>	<u>Number Observed by Habitat</u>			
	<u>Old Field</u>	<u>Deciduous Woods</u>	<u>Reeder Creek</u>	<u>Other</u>
Mallard			2	
Sandpiper(Unidentified)				6*
Ring-necked Pheasant	1			
Mourning Dove	2			
Blue Jay		1		1**
Common Crow				2**
Black-capped Chickadee		15		
American Robin		1		
Eastern Meadowlark	3			
Northern Junco		2		
Total Species: 10				

* Small water pool in active ammunition demolition area.

** Flying over area.

**MAMMAL SPECIES POSSIBLY OCCURRING IN THE 0.5 MILE STUDY AREA
FOR THE SENECA ARMY DEPOT OB/OD REMEDIAL STUDY**

<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>
Opossum*	<u>Didelphis marsupialis</u>
Masked Shrew**	<u>Sorex cinereus</u>
Longtail Shrew*	<u>Sorex dispar</u>
Northern Water Shrew*	<u>Sorex palustris</u>
Pygmy Shrew*	<u>Microsorex hovi</u>
Least Shrew*	<u>Cryptotis parva</u>
Short-tailed Shrew**	<u>Blarina brevicauda</u>
Star-nosed Mole*	<u>Condylura cristata</u>
Hairy-tailed Mole*	<u>Parascalops breweri</u>
Little Brown Myotis*	<u>Myotis lucifugus</u>
Keen Myotis*	<u>Myotis Keeni</u>
Small-footed Myotis	<u>Myotis subulatus</u>
Silver-haired Bat*	<u>Lasionycteris noctivagans</u>
Eastern Pipistrelle*	<u>Pipistrellus subflavus</u>
Big Brown Bat*	<u>Eptesicus fuscus</u>
Red Bat*	<u>Lasiurus borealis</u>
Hoary Bat*	<u>Lasiurus cinerius</u>
Raccoon*	<u>Procyon lotor</u>
Short-tailed Weasel*	<u>Mustela erminea</u>
Long-tailed Weasel*	<u>Mustela frenata</u>
Mink*	<u>Mustela vison</u>
River Otter	<u>Lutra canadensis</u>
Striped Skunk*	<u>Mephitis mephitis</u>
Coyote*	<u>Canis latrans</u>
Red Fox*	<u>Vulpes fulva</u>
Gray Fox	<u>Urocyon cinereoargenteus</u>
Bobcat	<u>Lynx rufus</u>
Woodchuck*	<u>Marmota monax</u>
Eastern Chipmunk*	<u>Tamias striatus</u>
Eastern Gray Squirrel*	<u>Sciurus carolinensis</u>
Red Squirrel*	<u>Tamiasciurus hudsonicus</u>
Northern Flying squirrel*	<u>Glaucomys sabrinus</u>
Beaver*	<u>Castor canadensis</u>
White-footed Mouse**	<u>Peromyscus leucopus</u>
Deer Mouse**	<u>Peromyscus maniculatus</u>
Southern Bog Lemming*	<u>Synaptomys cooperi</u>

COMMON NAMESCIENTIFIC NAME

Boreal Redback Vole*	<u>Clethrionomys gapperi</u>
Meadow Vole**	<u>Microtus pennsylvanicus</u>
Pine Vole*	<u>Pitymys pinetorium</u>
Muskrat*	<u>Ondatra zibethica</u>
Norway Rat	<u>Rattus norvegicus</u>
House Mouse**	<u>Mus musculus</u>
Meadow Jumping Mouse**	<u>Zapus hudsonius</u>
Woodland Jumping Mouse*	<u>Napaeozapus insignis</u>
Porcupine*	<u>Erethizon dorsatum</u>
Snowshoe Hare	<u>Lepus americanus</u>
Eastern Cottontail*	<u>Sylvilagus floridanus</u>
White-tailed Deer*	<u>Odocoileus virginianus</u>

* Species known to occur in Upstate New York (SEAD 1992).

** Species known to occur at or near Seneca Army Depot Ash Landfill area based on 1991 small mammal trapping and/or trapping at Wetland Wastewater Treatment area (U.S. AEHA 1980).

**PLANT SPECIES RECORDED IN THE VEGETATIVE
COVER TYPES IN THE 0.5-MILE STUDY AREA
FOR THE OB/OD REMEDIAL STUDY**

<u>PLANT SPECIES</u>	<u>VEGETATIVE COVER TYPE</u>			
	Old Field	Shrubland	Deciduous Tree Rows	Wood/ Creek Freshwater Wetland/ Edge
<u>TREES</u>				
Eastern Red Cedar <u>Juniperus virginiana</u>		X	X	
Quaking Aspen <u>Populus tremuloides</u>	X	X	X	
Black Willow <u>Salix niger</u>				X
Staghorn Sumac <u>Rhus typhina</u>	X	X	X	
Smooth Sumac <u>Rhus glabra</u>	X	X	X	
American Elm <u>Ulmus americana</u>				X
Slippery Elm <u>Ulmus rubra</u>	X	X	X	
Sugar Maple <u>Acer saccharum</u>			X	
Red Maple <u>Acer rubrum</u>			X	X
Common Buckthorn <u>Rhamnus cathartica</u>		X		
Shagbark Hickory <u>Carya ovata</u>			X	
Bitternut Hickory <u>Carya cordipormis</u>			X	

PLANT SPECIES**VEGETATIVE COVER TYPE**

	Old Field	Shrubland	Deciduous Wood/ Tree Rows	Freshwater Wetland/ Creek Edge
Choke Cherry <u>Prunus virginiana</u>		X		
Black Locust <u>Robinia pseudo-acacia</u>		X	X	
Gray Dogwood <u>Cornus racemosa</u>	X	X		
Blue Beech <u>Carpinus carolinana</u>			X	
Yellow Birch <u>Betula lutea</u>	X	X		
Northern Red Oak <u>Quercus rubra</u>			X	
Black Oak <u>Quercus velutina</u>			X	
White Oak <u>Quercus alba</u>			X	
Chestnut Oak <u>Quercus prinus</u>			X	
White Ash <u>Fraxinus americana</u>			X	
Hawthorn <u>Crataegus sp.</u>	X	X		
<u>SHRUBS AND VINES</u>				
Willow <u>Salix sp.</u>	X	X		X

PLANT SPECIESVEGETATIVE COVER TYPE

	Old Field	Shrubland	Deciduous Tree Rows	Wood/	Freshwater Wetland/ Creek Edge
Poison-ivy <u>Rhus radicans</u>			X		
Wild Grape <u>Vitis sp.</u>		X	X		
Red Raspberry <u>Rubus idaeus</u>	X	X			
Blackberry <u>Rubus sp.</u>	X	X			
Multiflora Rose <u>Rosa multiflora</u>	X	X			
Wild Rose <u>Rosa sp.</u>	X	X			
Arrow-wood <u>Viburnum recognition</u>	X	X	X		
Bush Honeysuckle <u>Lonicera sp.</u>	X	X			
<u>HERBACEOUS</u>					
Sphagnum Moss <u>Sphragnum sp.</u>					X
Sensitive Fern <u>Onodea sensibilis</u>					X
Marsh Fern <u>Dryopteris Thelypteris</u>					X
Woodfern <u>Dryopteris sp.</u>			X		

PLANT SPECIES**VEGETATIVE COVER TYPE**

	Old Field	Shrubland	Deciduous Wood/ Tree Rows	Freshwater Wetland/ Creek Edge
Narrow-leaved Cattail <u>Typha angustifolia</u>				X
Panic Grass <u>Panicum</u> sp.	X	X		X
Common Reed <u>Phragmites australis</u>				X
Spike-rush <u>Eleocharis</u> sp.				X
Long Sedge <u>Carex lonchocarpa</u>				X
Rush <u>Juncus</u> sp.				X
Wild Garlic <u>Allium</u> sp.	X			
Sicklepod <u>Arabis canadensis</u>	X			
Treacle Mustard <u>Erysimum cheiranthoides</u>	X			
Indian Strawberry <u>Duchesnea indica</u>	X			
Red Clover <u>Trifolium pratense</u>	X			
Common Evening-primrose <u>Oenothera biennis</u>	X			
Queen Anne's-lace <u>Daucus carota</u>	X			

PLANT SPECIES**VEGETATIVE COVER TYPE**

	Old Field	Shrubland	Deciduous Wood/ Tree Rows	Freshwater Wetland/ Creek Edge
Spreading Dogbane <u>Apocynum androsaemifolium</u>	X			
Blue Vervain <u>Verbena hastata</u>	X			
Common Mullein <u>Verbascum thapsus</u>	X			
Teasel <u>Dipsacus sylvestris</u>	X			
King Devel <u>Hieracium pratense</u>	X			
Canada Goldenrod <u>Solidago canadensis</u>	X			
Goldenrod <u>Solidago sp.</u>	X	X		
New England aster <u>Aster noval-angliae</u>	X			
Heath Aster <u>Aster ericoides</u>	X			
Beggerticks <u>Bidens frontosa</u>	X			
Yarrow <u>Achillea millefolium</u>	X			
Field Thistle <u>Cirsium discolor</u>	X	X		
Spotted Knapweed <u>Centaurea maculosa</u>	X			