SEAD-01-005

SENECA ARMY DEPOT

ROMULUS, NEW YORK

00058

15 SWMU

(7 Low Priority and 8 Moderately Low Priority)

EXPANDED SITE INSPECTION

VALIDATED DATA TABLES

OCTOBER 1994

PARSONS ENGINEERING SCIENCE, INC.

BOSTON, MASSACHUSETTS

ENGINEERING-SCIENCE, INC.

Prudential Center • Boston, Massachusetts 02199 • (617) 859-2000 • Fax: (617) 859-2043

October 25, 1994
720518-02000

Mr. Rich Suever
U.S. Army Corps of Engineers
Huntsville Division
ATTN: CEHND-PM-EP
106 Wynn Drive
Huntsville, AL 35805-1957

SUBJECT: **Field Sampling Letter Report**
15 SWMU Expanded Site Inspection, LIMS 2347
Seneca Army Depot, Romulus, New York

Dear Mr. Suever:

An Expanded Site Inspection (ESI) was performed at the following Solid Waste Management Units (SWMUs) located at the Seneca Army Depot: SEAD-5, SEAD-9, SEAD-12, SEAD-43,56,69, SEAD-44, SEAD-50, SEAD-58, SEAD-59, SEAD-60, SEAD-62, SEAD-63, SEAD-64, SEAD-67, SEAD-70, and SEAD-71. This work was performed in accordance with the "Work Plan for CERCLA ESI of Fifteen Solid Waste Management Units at Seneca Army Depot, Romulus, New York". The field work for this sampling program started on February 16, 1994 and ended on September 25, 1994.

Samples obtained for chemical analysis were sent to Inchcape Testing Services, Aquatec Laboratories, located in Colchester, Vermont. A combined total of 483 soil, sediment, surface water, and groundwater samples were sent to the laboratory for chemical analysis.

The data were validated in compliance with EPA Region II functional guidelines as described in Standard Operating Procedures HW-6 (Rev. No. 8) for organics and HW-2 (Rev. No. 11) for inorganics. The analyses for these samples were performed in accordance with NYSDEC Analytical Services Protocols (1989) with 12/91 revisions and further updates. The analytes listed under "Other Analytes", such as Nitrate/Nitrate, Specific Conductivity, etc., were validated to the degree possible.

The chemical analysis data for the samples of soil, groundwater, surface water, and sediment and the quality assurance/quality control (QA/QC) samples obtained in the field are presented in the tables attached to this report. The data are organized by site number followed by the QA/QC samples. Within each site, the data are organized by media and are presented in the following order: soil, groundwater, surface water, and sediment.

Also attached to this letter are 1) the list of the analyzed samples in each sample delivery group, and 2) a list of the analyzed samples organized by media and SWMU number.

As requested, the Missouri River Division will also receive one copy of Aquatec Laboratories' Sample Data Summary Report for each Sample Delivery Group. Each report includes the case narrative, the analysis reports, and the laboratory QA/QC data associated with each analysis method performed.

Please feel free to call me at (617) 859-2492, if you have any questions.

Sincerely,

PARSONS ENGINEERING SCIENCE, INC.

Michael Duchesneau, P.E.
Project Manager

Attachment
MD/sb/D#11

SOILS			GROUNDWATER			SURFACE WATER			SEDIMENT			RINSATES			BLANKS		
ES ID	SDG#	QC	ES ID	SDG #	QC	ES ID	SDG #	QC	ES ID	SDG #	QC	ES ID	SDG #	QC	ES ID	SDG #	QC
SS44A-1	43535		MW5-1	45282		SW12A-1	44745		SD12A-1	44799		TP5-1R	42494	RINSATE	TB2-17	42460	BLANK
SS44A-2	43535		MW5-2	43179		SW12A-2	44745		SD12A-2	44748		MW9-3R	45332	RINSATE	TB2-20	42494	BLANK
SS44A-3	43535		MW5-3	45282		SW12A-3	44745		SD12A-3	44748		SD12A-1R	44745	RINSATE	TB2-28	42510	BLANK
SS44A-4	43535		MW-9	45282		SW12A-20	44745	SW12A-1DUP	SD12A-4	44748		TP12B-3R	45058	RINSATE	TB3-28	43179	BLANK
SS44A-5	43535		MW9-2	43179		SW43-1	43549		SD12A-20	44799	SD12A-1DUP	MW12B-1.03R	44745	RINSATE	TB3-29	43179	BLANK
SS44A-6	43535		MW9-3	45332		SW43-2	43549		SD43-1	43543		MW12B-1R	Rad. Only	RINSATE	TB3-30	43179	BLANK
SS44A-20	43535	SS44A-1DUP	MW9-4	45332	MW9-3DUP	SW43-3	43549		SD43-2	43543		SB43-1-00R	44725	RINSATE	TB4-12	43257	BLANK
SS44B-1	43535		MW12A-1	45448		SW43-4	43549		SD43-3	43543		SB43-4R	42460	RINSATE	TB4-13	43535	BLANK
SS44B-2	43535		MW12A-2	45448		SW43-5	43549		SD43-4	43543		SD43-3R	43543	RINSATE	TB4-15	43549	BLANK
SS44B-3	43535		MW12A-3	45448		SW43-20	43549	SW43-3DUP	SD43-5	43543		MW43-1R	45332	RINSATE	TB4-16	43549	BLANK
SS50-1	42493		MW12B-1	45332		SW44A-1	43549		SD43-20	43543	SD43-3DUP	MW43-3R	43179	RINSATE	TB4-17	43549	BLANK
SS50-2	42493		MW12B-2	45332		SW44A-2	43549		SD44A-1	43543		SS44A-1R	43535	RINSATE	TB4-20	43663	BLANK
SS50-3	42493		MW12B-3	45332		SW44A-3	43549		SD44A-2	43543		MW44A-1R	45282	RINSATE	TB4-26	43810	BLANK
SS50-4	42460		MW12B-5	Rad. Only	MW12B-1DUP	SW44A-4	219414		SD44A-3	43543		SB59-2-00R	44410	RINSATE	TB4-27	43810	BLANK
SS50-5	42493		MW43-1	45332		SW44B-1	43549		SD44A-4	43663		SB60-1R	42510	RINSATE	TB4-28	219532	BLANK
SS50-6	42493		MW43-2	45332		SW44B-2	43549		SD44B-1	43543		SB60-1-00R	44410	RINSATE	TB5-17	44090	BLANK
SS50-7	42493		MW43-3	43179		SW50-1	218499		SD44B-2	43543		SB60-2-00R	44410	RINSATE	TB5-26	44410	BLANK
SS50-8	42493		MW43-4	43179		SW50-2	218500		SD50-1	43663		MW60-2R	45257	RINSATE	TB5-27	44410	BLANK
SS50-9	42493		MW43-5	43179	MW43-3DUP	SW50-3	218501		SD50-2	43663		SW60-3R	43663	RINSATE	TB6-7	44665	BLANK
SS50-10	42493		MW43-5	45332	MW43-1DUP	SW58-1	43549		SD50-3	43663		TP63-7R	45062	RINSATE	TB6-10	44748	BLANK
SS50-11	42460		MW44A-1	45282		SW58-2	43549		SD58-1	43543		TP63-11R	45062	RINSATE	TB6-11	44745	BLANK
SS50-12	42493		MW44A-2	45282		SW58-3	43549		SD58-2	43543		SS64C-1R	43257	RINSATE	TB6-12	44745	BLANK
SS50-13	42493		MW44A-3	45282		SW58-4	43549		SD58-3	43543		SB64D-3R	44799	RINSATE	TB6-13	44745	BLANK
SS50-14	42493		MW44A-5	45332	MW44A-1DUP	SW58-5	43549		SD58-4	43543		SB69-1R	44090	RINSATE	TB6-14	44745	BLANK
SS50-15	42493		MW44B-1	45332		SW58-6	43549		SD58-5	43543					TB6-22	44745	BLANK
SS58-1	43535		MW44B-2	43179		SW60-1	219531		SD58-6	43543		DAF2-17	42510	DIST. WATER	TB6-24	45048	BLANK
SS58-2	43535		MW44B-3	45332		SW60-2	218496		SD60-1	43663					TB6-25	45058	BLANK
SS58-3	43535		MW50-1	45332		SW60-3	218497		SD60-2	43663					TB6-27	45058	BLANK
SS64C-1	43257		MW50-2	45332		SW60-5	218496	SW60-3DUP	SD60-3	43663					TB6-28	45062	BLANK
SS64C-2	43257		MW50-3	45332		SW63-1	44745		SD60-5	43663	SD60-3DUP				TB7-7	45257	BLANK
SS64C-3	43257		MW58-1	45282		SW63-2	44745		SD63-1	44748					TB7-8	45257	BLANK
SS64C-20	43257	SS64C-1DUP	MW58-2	45282		SW63-3	44745		SD63-2	44748					TB7-9	45257	BLANK
SS64D-1	43535		MW58-3	45332		SW63-4	44745		SD63-3	44748					TB7-10	45282	BLANK
SS64D-2	43535		MW58-4	45282		SW64B-1	218294		SD63-4	44748					TB7-11	45282	BLANK
SS64D-3	43535		MW59-1	43179		SW64B-2	218295		SD64B-1	43543					TB7-12	45332	BLANK
SS64D-4	43535		MW59-2	45448		SW64B-3	218296		SD64B-2	43543					TB7-13	45332	BLANK
SS64D-5	43535		MW59-3	45448		SW67-1	43810		SD64B-3	43543					TB7-18	45332	BLANK
SB9-1-00	44345		MW59-4	43179	MW59-1DUP	SW67-2	43810		SD67-1	43663					TB7-19	45332	BLANK
SB9-1-03	44345		MW60-1	45257		SW70-1	43810		SD67-2	43663					TB7-20	45448	BLANK
SB9-1-05	44345		MW60-2	45257		SW70-2	43810		SD70-1	43663					TB7-21	45448	BLANK
SB9-2-00	44345		MW60-3	43179					SD70-2	43663							
SB9-2-03	44345		MW60-5	45257	MW60-2DUP												
SB9-2-05	44345		MW62-1	45448													
SB9-3-00	44345		MW62-2	45448													
SB9-3-03	44345		MW62-3	45448													
SB9-3-04	44345		MW63-1	45282													
SB12B-1	45062		MW63-2	45282													
SB43-1-00	44725		MW63-3	45282													
SB43-1-03	44725		MW64A-1	45448													
SB43-1-08	44725		MW64A-2	45448													
SB43-1-20	44725	SB43-1-00DUP	MW64A-3	45257													
SB43-2-00	44694		MW64B-1	45282													
SB43-2-03	44694		MW64B-2	45282													
SB43-2-06	44694		MW64B-3	45282													
SB43-3-00	44694		MW64C-1	45282													
SB43-3-02	44694		MW64C-6	45448													
SB43-3-03	44694		MW64C-7	45448													
SB43-4.01	42460		MW64C-8	45448													
SB43-4.02	42460		MW64D-1	45257													
SB43-4.07	42460		MW64D-2	45257													
SB43-4.20	42460	SB43-4.02DUP	MW64D-3	45257													
SB56-1-00	44090		MW64D-4	45257													
SB56-1-03	44090		MW64D-5	45332													
SB56-1-07	44090		MW67-1	45257													
SB56-2-00	44090		MW67-2	45282													
SB56-2-03	44345		MW67-3	45257													
SB56-2-05	44345		MW70-1	45257													

ES ID	SOILS SDG#	QC	ES ID	GROUNDWATER SDG #	QC	ES ID	SURFACE WATER SDG #	QC	ES ID	SEDIMENT SDG #	QC	ES ID	RINSATES SDG #	QC	ES ID	BLANKS SDG #	QC
TP44A-9	42494																
TP58-1-1	44748																
TP58-2-1	44748																
TP58-3-1	44748																
TP58-4	44748																
TP58-5-1	44748																
TP58-6-1	44748																
TP59-1	44694																
TP59-2	42494																
TP59-3	44694																
TP59-4	44694																
TP59-5	44694																
TP59-3	45062																
TP59-3X	45062																
TP62-1-1	44748																
TP62-2-1	44748																
TP62-3-1	44748																
TP63-1	45058																
TP63-2	45062																
TP63-3	45062																
TP63-4	45062																
TP63-5	45062																
TP63-6	45062																
TP63-7	45062																
TP63-8	45062																
TP63-9	45062																
TP63-10	45062																
TP63-11	45062																
TP63-12	45062																
TP63-57	45062	TP63-7DUP															
TP63-511	45062	TP63-11DUP															
TP64C-1-1	44725																
TP64C-1-2	44725																
TP64C-2-1	44725																
TP64C-2-2	44725																
TP64C-3-1	44725																
TP64C-3-2	44725																
TP67-1	44410																
TP67-2	44410																
TP67-3	44410																
TP67-4	44410																
TP67-5	44410																
TP71-1-1	44665																
TP71-1-2	44665																
TP71-1-3	44665																
TP71-1-4	44665																
TP71-2-1	44665																
TP71-2-2	44665																
TP71-2-3	44665																
TP71-2-4	44665																
MW12A-1-00	44725																
MW12A-1-03	44725																
MW12A-1-05	44725																
MW12B-1-00	44799																
MW12B-1-03	44799																
MW12B-1-07	44799																
MW12B-1-20	44799	MW12B-1-03DUP															
MW64A-1.00	43257																
MW64A-1.02	43257																
MW64A-1.03	43257																
MW64B-1-00	44090																
MW64B-1-03	44090																
MW64B-1-04	44090																
MW67-2.00	43257																
MW67-2.02	43257																
MW67-2.03	43257																
MW70-1.00	44090																
MW70-1.02	44090																
MW70-1.03	44090																

SAMPLE DELIVERY GROUP

SDG NO.	Client Sample I.D.	Aquatec Lab No.
42460	B43401	211724
	B43402	211725
	B43407	211726
	B43407RE	211726R1
	B43420	211727
	B69201	211964
	B69201MS	211964MS
	B69201MSD	211964MD
	B69201REP	211964DP
	MSB	211966
	SB434R	211723
	SS5011	211965
	SS5011RE	211965R1
	SS504	211728
	TB217	211729
	TP44A2	211734
	TP44A3	211735
	TP52	211730
	TP52RE	211730R1
	TP53	211731
	TP54	211732
	TP55	211733
	HB	211736

SAMPLE DELIVERY GROUP

SDG NO.	Client Sample I.D.	Aquatec Lab No.
42493	69301	211967
	69304	212007
	69304	211968
	69306	211970
	MSB	211969
	SS501	211971
	SS5010	211979
	SS5012	211980
	SS5013	211981
	SS5014	211982
	SS5015	211983
	SS502	211972
	SS503	211973
	SS505	211974
	SS506	211975
	SS507	211976
	SS508	211977
	SS509	211978
	TP44A1	211984
	TP44A4	211985
	TP44A5	211986
	TP44A6	211987
	69306MS	211970MS
	69306MSD	211970MD
	69306REP	211970DP
	HB	211988

SAMPLE DELIVERY GROUP

SDG NO.	Client Sample I.D.	Aquatec Lab No.
42494	B59101	212224
	B59101DL	212224D1
	B59104	212225
	B59106	212226
	B59108	212227
	TP44A7	212004
	TP44A8	212042
	TP44A9	212005
	TP51	212039
	TP51R	212040
	TP51RRE	212040R1
	TP56	212041
	TP592	212043
	TP592DL	212043D1
	HB	212006
	TB220	212038

SAMPLE DELIVERY GROUP

SDG NO.	Client Sample I.D.	Aquatec Lab No.
42510	DAF217	211776
	DAF217RE	211776R1
	B70203	212077
	B70205	212078
	B70101	212426
	B70102	212427
	B70103	212428
	B70201	212429
	B70301	212430
	B70303	212431
	B70305	212432
	SB60101	212883
	SB60101MS	212883MS
	SB60101MSD	212883MD
	SB60101REP	212883DP
	SB60102	212884
	SB601R	212885
	SB60120	212886
	TB228	212887
	HB	212081

SAMPLE DELIVERY GROUP

SDG NO.	Client Sample I.D.	Aquatec Lab No.
43179	MSB	215836
	MSB	215555
	MW433	215554
	MW433DL	215554D1
	MW433MS	215554MS
	MW433MSD	215554MD
	MW433R	215556
	MW434	215557
	MW435	215558
	MW44B2	215835
	MW44B2MS	215835MS
	MW44B2MSD	215835MD
	MW44B2MSDRE	215835R1
	MW44B2REP	215835DP
	MW52	216045
	MW591	216048
	MW594	218049
	MW603	215838
	MW711	215839
	MW92	216046
	MW92MS	216046MS
	MW92REP	216046DP
	HB	215569
	LCS	216047
	MW59	217012
	MW60	217013
	TB328	215559
	TB329	215840
	TB330	216052
	TB411	217014

SAMPLE DELIVERY GROUP

SDG NO.	Client Sample I.D.	Aquatec Lab No.
43257	64C1	217070
	64C1R	217071
	64C1RE	217070R1
	64C2	217072
	64C20	217074
	64C3	217073
	TB412	217075
	67200	216109
	67200MS	216109MS
	67200MSD	216109MD
	67200REP	216109DP
	67202	216112
	67203	216113
	MSB	216110
	HB	216114
	64A100	216351
	64A102	216352
	64A103	216353

SAMPLE DELIVERY GROUP

SDG NO.	Client Sample I.D.	Aquatec Lab No.
43535	MSB	217679
	MW44A1R	217677
	SS44A1	217678
	SS44A1MS	217678MS
	SS44A1MSD	217678MD
	SS44A1REP	217678DP
	SS44A2	217680
	SS44A20	217685
	SS44A3	217681
	SS44A4	217682
	SS44A5	217683
	SS44A6	217684
	SS44B1	217686
	SS44B1RE	217686R1
	SS44B2	217687
	SS44B3	217688
	SS581	217689
	SS581DL	217689D1
	SS582	217690
	SS583	217691
	SS64D1	217694
	SS64D2	217695
	SS64D3	217696
	SS64D4	217697
	SS64D5	217698
	TB413	217692
	HB	217693

SAMPLE DELIVERY GROUP

SDG NO.	Client Sample I.D.	Aquatec Lab No.
43543	MSB	218074
	SD431	217861
	SD432	217862
	SD4320	217767
	SD433	217764
	SD433R	217765
	SD434	217863
	SD435	217766
	SD44A1	218073
	SD44A2	218075
	SD44A3	218076
	SD44B1	218077
	SD44B2	218078
	SD581	218079
	SD582	218080
	SD583	218081
	SD584	218082
	SD585	218083
	SD586	218084
	SD64B1	218210
	SD64B2	218211
	SD64B3	218212
	SD44A1MS	218073MS
	SD44A1MSD	218073MD
	SD44A1REP	218073DP
	HB	217768

SAMPLE DELIVERY GROUP

SDG NO.	Client Sample I.D.	Aquatec Lab No.
43549	MSB	217771
	SW431	217864
	SW432	217865
	SW4320	217772
	SW433	217769
	SW434	217866
	SW435	217770
	SW435MS	217770MS
	SW435MSD	217770MD
	SW435REP	217770DP
	SW435	217867
	SW435MS	217867MS
	SW435REP	217867DP
	SW44A1	218085
	SW44A2	218086
	SW44A3	218087
	SW44B1	218088
	SW44B2	218089
	SW581	218090
	SW582	218091
	SW583	218092
	SW584	218093
	SW585	218094
	SW586	218095
	TB415	217773
	TB416	217868
	TB417	218096
	HB	217774

SAMPLE DELIVERY GROUP

SDG NO.	Client Sample I.D.	Aquatec Lab No.
43626	MSB	219546
	PT11	218293
	PT11RE	218293R1
	SW44A4	219414
	SW501	218499
	SW502	218500
	SW503	218501
	SW601	219531
	SW601MS	219531MS
	SW601MSD	219531MD
	SW601REP	219531DP
	SW602	218496
	SW603	218497
	SW605	218498
	SW64B1	218294
	SW64B2	218295
	SW64B3	218296
	TB418	218297
	TB428	219532
	HB	218306

SAMPLE DELIVERY GROUP

SDG NO.	Client Sample I.D.	Aquatec Lab No.
43663	MSB	219551
	SD44A4	219399
	SD501	218502
	SD502	218503
	SD503	218504
	SD601	219550
	SD601MS	219550MS
	SD601MSD	219550MD
	SD601REP	219550DP
	SD602	218490
	SD603	218491
	SD603R	218492
	SD605	218493
	SD671	219450
	SD672	219451
	SD701	219452
	SD702	219453
	TB420	218494

SAMPLE DELIVERY GROUP

SDG NO.	Client Sample I.D.	Aquatec Lab No.
43810	SW671	219464
	SW671RE	219464R1
	SW672	219465
	SW701	219466
	SW702	219467
	TB426	219468
	TB427	219469

SAMPLE DELIVERY GROUP

SDG NO.	Client Sample I.D.	Aquatec Lab No.
44090	64B100	221238
	64B103	221239
	64B104	221240
	70100	221049
	70102	221050
	70103	221051
	B56100	222124
	B56103	222125
	B56107	222126
	B56107RE	222126R1
	B56200	222127
	B56200MS	222127MS
	B56200MSD	222127MD
	B56200REP	222127DP
	B56300	221480
	B56304	221481
	B56308	221482
	B69100	221354
	B69105	221483
	B69106	221484
	B69106RE	221484R1
	B69120	221355
	B69204	221356
	B69207	221357
	B69207RE	221357R1
	MSB	222131
	SB691R	221353
	TB517	221358
	HB	221241

SAMPLE DELIVERY GROUP

SDG NO.	Client Sample I.D.	Aquatec Lab No.
44345	B56203	222128
	B56205	222129
	B59300	222428
	B59302	222429
	B59304	222430
	B59400	222431
	B59405	222432
	B59410	222433
	B59500	222434
	B59503	222435
	B59503RE	222435R1
	B59506	222436
	MSB	222130
	MSBRE	222130R1
	SB9100	222207
	SB9103	222208
	SB9105	222209
	SB9200	222210
	SB9203	222211
	SB9205	222212
	SB9300	222213
	SB9303	222214
	SB9304	222215
	B56205MS	222129MS
	B56205MSD	222129MD
	B56205REP	222129DP
	HB	222132

SAMPLE DELIVERY GROUP

SDG NO.	Client Sample I.D.	Aquatec Lab No.
44410	59200R	222480
	B60100R	222474
	60200R	223338
	64A100	222484
	64A102	222485
	64A104	222502
	B59200	222479
	B59202	222481
	B59204	222482
	B59204DL	222481D1
	B59220	222483
	B60100	222473
	B60120	222475
	B60120DL	222475D1
	B60200	223339
	B60200RE	223339R1
	MSB	223304
	TB526	222476
	TB527	222477
	TB674	223307
	TP671	223303
	TP672	223305
	TP673	223306
	TP675	223308
	TP671MS	223303MS
	TP671MSD	223303MD
	TP671REP	223303DP
	HB	222478

SAMPLE DELIVERY GROUP

SDG NO.	Client Sample I.D.	Aquatec Lab No.
44665	64B100	223502
	64B105	223503
	64B106	223504
	64B200	223505
	64B206	223506
	64B207	223507
	64B300	223508
	B60204	223340
	B60220	223342
	B60220RE	223342R1
	B60300	223499
	B60303	223500
	B60304	223501
	MSB	223341
	TB67	223343
	TP7111	223344
	TP7112	223345
	TP7113	223346
	TP7114	223347
	TP7121	223348
	TP7122	223349
	TP7123	223350
	TP7124	223351
	B60204MS	223340MS
	B60204MSD	223340MD
	B60204REP	223340DP
	HB	223352

SAMPLE DELIVERY GROUP

SDG NO.	Client Sample I.D.	Aquatec Lab No.
44694	64B305	223509
	64B308	223510
	64B308MS	223510MS
	64B308MSD	223510MD
	64B308REP	223510DP
	B43200	223682
	B43200MS	223682MS
	B43200MSD	223682MD
	MSB	223683
	B43203	223684
	B43206	223685
	B43206RE	223685R1
	B43300	223686
	B43300RE	223686R1
	B43302	223687
	B43303	223688
	B58100	223689
	B58102	223690
	B58103	223691
	B58200	223692
	B58202	223693
	B58204	223694
	B58300	223695
	B60202	223513
	MSB	223511
	HB	223512
	TP591	223514
	TP591DL	223514D1
	TP591MS	223514MS
	TP591MSD	223514MD
	TP593	223515
	TP594	223516
	TP595	223517

SAMPLE DELIVERY GROUP

SDG NO.	Client Sample I.D.	Aquatec Lab No.
44725	12A100	223886
	12A103	223887
	12A105	223888
	64A200	223894
	64A202	223895
	64A203	223896
	64A300	223897
	B43100	223889
	B43100R	223890
	B43103	223891
	B43108	223892
	B43108RE	223892R1
	B43120	223893
	B58301	223756
	B58302	223757
	B58302RE	223757R1
	MSB	223902
	P64C11	223776
	P64C12	223777
	P64C21	223778
	P64C22	223779
	P64C31	223780
	P64C32	223781
	B43120MS	223893MS
	B43120MSD	223893MD
	B43120REP	223893DP
	HB	223758

SAMPLE DELIVERY GROUP

SDG NO.	Client Sample I.D.	Aquatec Lab No.
44745	2B103R	224123
	D12A1R	225192
	MSB	225434
	SW12A1	225429
	SW12A1MS	225429MS
	SW12A1MSD	225429MD
	SW12A1REP	225429DP
	SW12A2	223898
	SW12A3	223899
	SW631	224159
	SW632	224080
	SW633	224160
	SW634	224081
	TB611	223900
	TB612	224125
	TB613	224126
	TB614	224161
	TB622	225193
	W12A20-A	225430
	HB	223901

SAMPLE DELIVERY GROUP

SDG NO.	Client Sample I.D.	Aquatec Lab No.
44748	64A301	223906
	64A302	223907
	MSB	224087
	SD12A2	223908
	SD12A3	223909
	SD12A4	223910
	SD631	224082
	SD632	224083
	SD633	224084
	SD633RE	224084R1
	SD634	224085
	TB610	223917
	TP5811	223911
	TP5821	223912
	TP5831	223913
	TP584	223914
	TP5851	223915
	TP5861	223916
	TP6211	224086
	TP6211MS	224086MS
	TP6211MSD	224086MD
	TP6211REP	224086DP
	TP6221	224088
	TP6231	224089
	HB	223918

SAMPLE DELIVERY GROUP

SDG NO.	Client Sample I.D.	Aquatec Lab No.
44799	12A41	224878
	12A42	224879
	12B100	224233
	12B103	224234
	12B107	224235
	12B107RE	224235R1
	12B120	224236
	64D100	225467
	64D101	225468
	64D102	225469
	64D200	225470
	64D202	225471
	64D203	225472
	64D300	225473
	64D3R	225474
	D12A20	225397
	MSB	225489
	P12A21	225398
	P12A22	225399
	P12A31	225400
	P12A32	225401
	SD12A1	225396
	64D300MS	225473MS
	64D300MSD	225473MD
	64D300REP	225473DP
	HB	224250

SAMPLE DELIVERY GROUP

SDG NO.	Client Sample I.D.	Aquatec Lab No.
45048	64D301	225497
	64D302	225498
	64D320	225499
	64D400	225522
	64D401	225523
	64D402	225524
	64D700	225525
	64D701	225526
	64D702	225527
	64D800	225528
	64D800RE	225528R1
	64D801	225529
	64D802	225530
	MSB	225542
	P12A11	225531
	P12A12	225532
	P12A51	225539
	P12A61	225540
	P12A62	225541
	P12A71	225543
	P12A71RE	225543R1
	P12A81	225533
	P12A62MS	225541MS
	P12A62MSD	225541MD
	P12A62REP	225541DP
	TB624	225500
	HB	225501

SAMPLE DELIVERY GROUP

SDG NO.	Client Sample I.D.	Aquatec Lab No.
45058	4D1000	225579
	4D1001	225580
	4D1003	225581
	64D500	225570
	64D502	225571
	64D503	225572
	64D600	225573
	64D601	225574
	64D602	225575
	64D900	225576
	64D901	225577
	64D902	225578
	MSB	225584
	P12B21	225550
	P12B3R	225552
	P12B53	225553
	TB625	225554
	TP12B1	225582
	TP12B3	225551
	TP627	225585
	TP631	225583
	TP631MS	225583MS
	TP631MSD	225583MD
	TP631REP	225583DP
	HB	225555

SAMPLE DELIVERY GROUP

SDG NO.	Client Sample I.D.	Aquatec Lab No.
45062	MSB	225903
	P6311R	225800
	P63511	225806
	SB12B1	225902
	TP593	225801
	TP593X	225802
	TP593XMS	225802MS
	TP593XMSD	225802MD
	TP6310	225803
	TP6311	225804
	TP6312	225805
	TP632	225561
	TP633	225562
	TP634	225563
	TP635	225564
	TP6357	225568
	TP636	225565
	TP637	225566
	TP637R	225567
	TP638	225596
	TP639	225597
	SB12B1MS	225902MS
	SB12B1MSD	225902MD
	SB12B1REP	225902DP
	TB628	225799
	HB	225569

SAMPLE DELIVERY GROUP

SDG NO.	Client Sample I.D.	Aquatec Lab No.
45257	MSB	226303
	MW601	226301
	MW602	226302
	MW602R	226304
	MW605	226305
	MW64A3	226306
	MW64D1	226384
	MW64D1	226385
	MW64D2	226386
	MW64D3	226387
	MW64D4	226388
	MW671	226307
	MW673	226308
	MW701	226309
	MW702	226310
	MW703	226389
	MW704	226390
	MW713	226311
	TB77	226312
	TB78	226391
	TB79	226394
	MW602MS	226302MS
	MW602MSD	226302MD
	MW602REP	226302DP
	HB	226313

SAMPLE DELIVERY GROUP

SDG NO.	Client Sample I.D.	Aquatec Lab No.
45282	MSB	226787
	MW44A1	226786
	MW44A2	226789
	MW44A2RE	226789R1
	MW44A3	226790
	MW51	226660
	MW53	226661
	MW581	226662
	MW582	226663
	MW584	226664
	MW631	226665
	MW632	226666
	MW633	226667
	MW64B1	226485
	MW64B2	226486
	MW64B3	226487
	MW64C1	226668
	MW672	226488
	MW9	226484
	TB710	226489
	TB711	226669
	W44A1R	226788
	MW44A1MS	226786MS
	MW44A1MSD	226786MD
	MW44A1REP	226786DP
	HB	226490

SAMPLE DELIVERY GROUP

SDG NO.	Client Sample I.D.	Aquatec Lab No.
45332	MSB	227446
	MW12B1	227442
	MW12B2	227443
	MW12B3	227444
	MW431	227445
	MW431MS	227445MS
	MW431MSD	227445MD
	MW431REP	227445DP
	MW431R	227447
	MW432	227448
	MW435	227449
	MW44A5	226791
	MW44B1	226792
	MW44B3	226793
	MW501	226794
	MW502	227267
	MW503	227268
	MW583	226795
	MW64D5	227269
	MW93	227439
	MW93MS	227439MS
	MW93REP	227439DP
	MW93R	227440
	MW94	227441
	TB712	226796
	TB713	226797
	TB718	227270
	TB719	227450
	HB	226798

SAMPLE DELIVERY GROUP

SDG NO.	Client Sample I.D.	Aquatec Lab No.
45448	MSB	227737
	MW12A1	227608
	MW12A2	227609
	MW12A3	227610
	MW592	227726
	MW592RE	227726R1
	MW593	227727
	MW593MS	227727MS
	MW593MSD	227727MD
	MW593REP	227727DP
	MW621	227728
	MW621MS	227728MS
	MW621MSD	227728MD
	MW622	227729
	MW623	227611
	MW64A1	227451
	MW64A1	227452
	MW64A2	227730
	MW64A2	227731
	MW64A2	227732
	MW64C6	227733
	MW64C7	227734
	MW64C8	227735
	TB720	227612
	TB721	227736
	MW592MS	227726MS
	MW592MSD	227726MD
	MW592REP	227726DP
	HB	227485

SAMPLE DELIVERY GROUP

SDG NO.	Client Sample I.D.	Aquatec Lab No.
45448	MSB	227737
	MW12A1	227608
	MW12A2	227609
	MW12A3	227610
	MW592	227726
	MW592RE	227726R1
	MW593	227727
	MW593MS	227727MS
	MW593MSD	227727MD
	MW593REP	227727DP
	MW621	227728
	MW621MS	227728MS
	MW621MSD	227728MD
	MW622	227729
	MW623	227611
	MW64A1	227451
	MW64A1	227452
	MW64A2	227730
	MW64A2	227731
	MW64A2	227732
	MW64C6	227733
	MW64C7	227734
	MW64C8	227735
	TB720	227612
	TB721	227736
	MW592MS	227726MS
	MW592MSD	227726MD
	MW592REP	227726DP
	HB	227485

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

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

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-5	SEAD-5	SEAD-5	SEAD-5	SEAD-5	SEAD-5	SEAD-5	SEAD-5	SEAD-5
	DEPTH (FEET)	7	7	3	3	3	3	3	3	3
	SAMPLE DATE	02/20/94	02/20/94	02/17/94	02/17/94	02/18/94	02/18/94	02/18/94	02/18/94	02/18/94
	ES ID	TP5-1	TP5-6	TP5-2	TP5-2RE	TP5-3	TP5-3RE	TP5-4	TP5-4RE	TP5-5
	LAB ID	212039	212041	211730	211730	211731	211731	211732	211732	211733
	SDG NUMBER	42494	42494	42460	42460	42460	42460	42460	42460	42460
COMPOUND	UNITS		TP5-1DUP							
SEMIVOLATILE ORGANICS										
Phenol	ug/Kg	1000 U	1200 U	31 J		390 U		380 U		4500 U
bis(2-Chloroethyl) ether	ug/Kg	1000 U	1200 U	380 U		390 U		380 U		4500 U
2-Chlorophenol	ug/Kg	1000 U	1200 U	380 U		390 U		380 U		4500 U
1,3-Dichlorobenzene	ug/Kg	1000 U	1200 U	380 U		390 U		380 U		4500 U
1,4-Dichlorobenzene	ug/Kg	1000 U	1200 U	380 U		390 U		380 U		4500 U
1,2-Dichlorobenzene	ug/Kg	1000 U	1200 U	380 U		390 U		380 U		4500 U
2-Methylphenol	ug/Kg	1000 U	1200 U	380 U		390 U		380 U		4500 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	1000 U	1200 U	380 U		390 U		380 U		4500 U
4-Methylphenol	ug/Kg	1000 U	1200 U	380 U		390 U		380 U		4500 U
N-Nitroso-di-n-propylamine	ug/Kg	1000 U	1200 U	380 U		390 U		380 U		4500 U
Hexachloroethane	ug/Kg	1000 U	1200 U	380 U		390 U		380 U		4500 U
Nitrobenzene	ug/Kg	1000 U	1200 U	380 U		390 U		380 U		4500 U
Isophorone	ug/Kg	1000 U	1200 U	380 U		390 U		380 U		4500 U
2-Nitrophenol	ug/Kg	1000 U	1200 U	380 U		390 U		380 U		4500 U
2,4-Dimethylphenol	ug/Kg	1000 U	1200 U	380 U		390 U		380 U		4500 U
bis(2-Chloroethoxy) methane	ug/Kg	1000 U	1200 U	380 U		390 U		380 U		4500 U
2,4-Dichlorophenol	ug/Kg	1000 U	1200 U	380 U		390 U		380 U		4500 U
1,2,4-Trichlorobenzene	ug/Kg	1000 U	1200 U	380 U		390 U		380 U		4500 U
Naphthalene	ug/Kg	1000 U	120 J	380 U		20 J		380 U		4500 U
4-Chloroaniline	ug/Kg	1000 U	1200 U	530		24 J		42 J		300 J
Hexachlorobutadiene	ug/Kg	1000 U	1200 U	380 U		390 U		380 U		4500 U
4-Chloro-3-methylphenol	ug/Kg	1000 U	1200 U	380 U		390 U		380 U		4500 U
2-Methylnaphthalene	ug/Kg	1000 U	1200 U	28 J		390 U		380 U		4500 U
Hexachlorocyclopentadiene	ug/Kg	1000 U	1200 U	380 U		390 U		380 U		4500 U
2,4,6-Trichlorophenol	ug/Kg	1000 U	1200 U	380 U		390 U		380 U		4500 U
2,4,5-Trichlorophenol	ug/Kg	2500 U	2900 U	920 U		940 U		930 U		11000 U
2-Chloronaphthalene	ug/Kg	1000 U	1200 U	380 U		390 U		380 U		4500 U
2-Nitroaniline	ug/Kg	2500 U	2900 U	920 U		940 U		930 U		11000 U
Dimethylphthalate	ug/Kg	1000 U	1200 U	380 U		390 U		380 U		4500 U
Acenaphthylene	ug/Kg	84 J	110 J	380 U		54 J		380 U		4500 U
2,6-Dinitrotoluene	ug/Kg	1000 U	1200 U	380 U		390 U		380 U		4500 U
3-Nitroaniline	ug/Kg	2500 U	2900 U	920 U		940 U		930 U		11000 U
Acenaphthene	ug/Kg	270 J	230 J	380 U		27 J		380 U		4500 U
2,4-Dinitrophenol	ug/Kg	2500 U	2900 U	920 U		940 U		930 U		11000 U
4-Nitrophenol	ug/Kg	2500 U	2900 U	920 U		940 U		930 U		11000 U
Dibenzofuran	ug/Kg	120 J	100 J	380 U		20 J		380 U		4500 U
2,4-Dinitrotoluene	ug/Kg	1000 U	1200 U	380 U		390 U		380 U		4500 U
Diethylphthalate	ug/Kg	1000 U	1200 U	380 U		390 U		380 U		4500 U
4-Chlorophenyl-phenylether	ug/Kg	1000 U	1200 U	380 U		390 U		380 U		4500 U
Fluorene	ug/Kg	230 J	210 J	380 U		39 J		380 U		4500 U
4-Nitroaniline	ug/Kg	2500 U	2900 U	920 U		940 U		930 U		11000 U
4,6-Dinitro-2-methylphenol	ug/Kg	2500 U	2900 U	920 U		940 U		930 U		11000 U
N-Nitrosodiphenylamine	ug/Kg	1000 U	1200 U	380 U		390 U		380 U		4500 U
4-Bromophenyl-phenylether	ug/Kg	1000 U	1200 U	380 U		390 U		380 U		4500 U
Hexachlorobenzene	ug/Kg	1000 U	1200 U	380 U		390 U		380 U		4500 U
Pentachlorophenol	ug/Kg	2500 U	2900 U	920 U		940 U		930 U		11000 U
Phenanthrene	ug/Kg	2700	2400	76 J		520		29 J		4500 U
Anthracene	ug/Kg	440 J	430 J	380 U		120 J		380 U		4500 U
Carbazole	ug/Kg	780 J	740 J	380 U		50 J		380 U		4500 U
Di-n-butylphthalate	ug/Kg	1000 U	1200 U	380 U		390 U		380 U		4500 U
Fluoranthene	ug/Kg	5100	5100	120 J		1400		56 J		240 J
Pyrene	ug/Kg	3500	3700	150 J		1200		50 J		300 J
Butylbenzylphthalate	ug/Kg	1000 U	1200 U	43 J		390 U		380 U		4500 U
3,3'-Dichlorobenzidine	ug/Kg	1000 U	1200 U	380 U		390 U		380 U		4500 U
Benzo(a)anthracene	ug/Kg	2000	2200	85 J		800		27 J		4500 U
Chrysene	ug/Kg	2400	2600	110 J		840		33 J		230 J
bis(2-Ethylhexyl)phthalate	ug/Kg	1100	1400	720		890		860		5600
Di-n-octylphthalate	ug/Kg	1000 U	1200 U	380 U		390 U		380 U		4500 U
Benzo(b)fluoranthene	ug/Kg	2000	2300	120 J		900		35 J		230 J
Benzo(k)fluoranthene	ug/Kg	2100	2000	89 J		710		33 J		4500 U
Benzo(a)pyrene	ug/Kg	2200	2500	110 J		840		32 J		220 J
Indeno(1,2,3-cd)pyrene	ug/Kg	1200	1300	80 J		580		21 J		4500 U
Dibenz(a,h)anthracene	ug/Kg	1000 U	1200 U	34 J		250 J		380 U		4500 U
Benzo(g,h,i)perylene	ug/Kg	1000 J	1100 J	92 J		600		26 J		4500 U

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

COMPOUND	UNITS	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		LOCATION	SEAD-5	SEAD-5	SEAD-5	SEAD-5	SEAD-5	SEAD-5	SEAD-5	SEAD-5	SEAD-5
		DEPTH (FEET)	7	7	3	3	3	3	3	3	3
		SAMPLE DATE	02/20/94	02/20/94	02/17/94	02/17/94	02/18/94	02/18/94	02/18/94	02/18/94	02/18/94
		ES ID	TP5-1	TP5-6	TP5-2	TP5-2RE	TP5-3	TP5-3RE	TP5-4	TP5-4RE	TP5-5
		LAB ID	212039	212041	211730	211730	211731	211731	211732	211732	211733
		SDG NUMBER	42494	42494	42460	42460	42460	42460	42460	42460	42460
				TP5-1DUP							
PESTICIDES/PCB											
alpha-BHC	ug/Kg		1.9 U	3.6 U	2 U		4 U	4 U	2 U	2 U	2.3 U
beta-BHC	ug/Kg		1.9 U	3.6 U	2 U		4 U	4 U	2 U	2 U	1.9 J
delta-BHC	ug/Kg		1.9 U	3.6 U	2 U		4 U	4 U	2 U	2 U	2.3 U
gamma-BHC (Lindane)	ug/Kg		1.9 U	3.6 U	2 U		4 U	4 U	2 U	2 U	4.3 J
Heptachlor	ug/Kg		1.9 U	3.6 U	2 U		4 U	4 U	2 U	2 U	7.5 J
Aldrin	ug/Kg		1.9 U	3.6 U	2.4 J		4 U	4 U	2 U	2 U	2.3 U
Heptachlor epoxide	ug/Kg		1.9 U	3.6 U	2 U		4 U	4 U	2 U	2 U	2.7 J
Endosulfan I	ug/Kg		1.9 U	3.6 U	2 U		4 U	4 U	2 U	2 U	2.3 U
Dieldrin	ug/Kg		3.6 U	7.1 U	3.8 U		7.8 U	7.8 U	3.8 U	3.8 U	4.5 U
4,4'-DDE	ug/Kg		8 J	7.6 J	25		12	16 J	3.8 U	3.8 U	9.1
Endrin	ug/Kg		3.6 U	3.8 J	3.8 U		7.8 U	7.8 U	3.8 U	3.8 U	4.5 U
Endosulfan II	ug/Kg		5.6	8.4	3.8 U		7.8 U	9.2	3.8 U	3.8 U	4.5 U
4,4'-DDD	ug/Kg		3.6 U	7.1 U	27		3.9 J	5.7 J	3.8 U	3.8 U	12
Endosulfan sulfate	ug/Kg		3.6 U	7.1 U	3.8 U		7.8 U	7.8 U	3.8 U	3.8 U	4.5 U
4,4'-DDT	ug/Kg		12	15	1.9 J		6 J	10	3.8 U	3.8 U	4.5 U
Methoxychlor	ug/Kg		19 U	36 U	20 U		40 U	40 U	20 U	20 U	23 U
Endrin ketone	ug/Kg		3.6 U	7.1 U	3.8 U		7.8 U	7.8 U	3.8 U	3.8 U	4.5 U
Endrin aldehyde	ug/Kg		4.7 J	6.8 J	7.3		7.8 U	7.8 U	3.8 U	3.8 U	6.6 J
alpha-Chlordane	ug/Kg		1.9 U	3.6 U	11		4 U	3.8 J	6.2	8.8	13
gamma-Chlordane	ug/Kg		1.9 U	3.6 U	8.7		4 U	4 U	5.5	7.5	7.9
Toxaphene	ug/Kg		190 U	360 U	200 U		400 U	400 U	200 U	200 U	230 U
Aroclor-1016	ug/Kg		36 U	71 U	38 U		78 U	78 U	38 U	38 U	45 U
Aroclor-1221	ug/Kg		73 U	140 U	77 U		160 U	160 U	78 U	78 U	92 U
Aroclor-1232	ug/Kg		36 U	71 U	38 U		78 U	78 U	38 U	38 U	45 U
Aroclor-1242	ug/Kg		36 U	71 U	38 U		78 U	78 U	38 U	38 U	45 U
Aroclor-1248	ug/Kg		36 U	71 U	38 U		78 U	78 U	38 U	38 U	45 U
Aroclor-1254	ug/Kg		36 U	71 U	38 U		78 U	78 U	38 U	38 U	45 U
Aroclor-1260	ug/Kg		36 U	71 U	38 U		78 U	78 U	38 U	38 U	45 U
METALS											
Aluminum	mg/Kg		7360 J	6010 J	5660 J		13100 J		13900 J		7060 J
Antimony	mg/Kg		0.53 J	0.55 J	9.1 J		8.1 J		6.5 J		4.3 UJ
Arsenic	mg/Kg		5.4 J	5.2 J	4.4 J		4.2 J		3.8 J		3.4 J
Barium	mg/Kg		106 J	148 J	136 J		84.8 J		101 J		166 J
Beryllium	mg/Kg		0.31 J	0.3 J	0.26 J		0.58 J		0.64 J		0.24 J
Cadmium	mg/Kg		0.34 J	0.35 J	1.7		0.44 U		0.49 U		1.4
Calcium	mg/Kg		90700 J	191000 J	107000 J		34700 J		55600 J		48700 J
Chromium	mg/Kg		12.3 J	11.3 J	12.6		21.3		19.5		11.6
Cobalt	mg/Kg		6.5 J	6.7 J	4.8 J		11		9.6 J		4.6 J
Copper	mg/Kg		28.2 J	21.4 J	233		39.5		47.3		285
Iron	mg/Kg		15800 J	14200 J	13500 J		25700 J		23900 J		13300 J
Lead	mg/Kg		42.3 J	47.4 J	59.7		42.4		15.1		38.2
Magnesium	mg/Kg		10100 J	14800 J	31100 J		11700 J		21800 J		13200 J
Manganese	mg/Kg		564 J	816 J	436 R		514 R		534 R		277 R
Mercury	mg/Kg		0.03 J	0.03 J	0.88 J		0.2 J		0.92 J		1.6 J
Nickel	mg/Kg		21.1 J	15.9 J	17		33.5		25.6		14.2
Potassium	mg/Kg		1240 J	1400 J	940 J		1440		1750		1020
Selenium	mg/Kg		0.14 U	0.14 U	0.8 J		0.34 J		0.19 UJ		1.1 J
Silver	mg/Kg		0.15 U	0.15 U	4.7		0.88 U		1.7 J		8
Sodium	mg/Kg		101 J	140 J	202 J		77.4 J		127 J		162 J
Thallium	mg/Kg		1.2 U	1.2 U	0.19 U		0.24 U		0.21 U		0.29 U
Vanadium	mg/Kg		16.1 J	15.8 J	14		21.7		23.2		11.5
Zinc	mg/Kg		101 J	66.3 J	304 J		197 J		91.8 J		242 J
Cyanide	mg/Kg		0.53 U	0.54 U	0.79		0.59 U		0.57 U		0.64 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg		3.3	3	1.49		8.4		4.1		220
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W		90.4	92.3	86.6		85		86.1		72.6

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

	MATRIX	WATER	WATER	WATER
	LOCATION	SEAD-5	SEAD-5	SEAD-5
	SAMPLE DATE	07/11/94	03/30/94	07/11/94
	ES ID	MW5-1	MW5-2	MW5-3
	LAB ID	226660	216045	226661
	SDG NUMBER	45282	43179	45282
COMPOUND	UNITS			
VOLATILE ORGANICS				
Chloromethane	ug/L	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U
HERBICIDES				
2,4-D	ug/L			
2,4-DB	ug/L			
2,4,5-T	ug/L			
2,4,5-TP (Silvex)	ug/L			
Dalapon	ug/L			
Dicamba	ug/L			
Dichloroprop	ug/L			
Dinoseb	ug/L			
MCPA	ug/L			
MCPP	ug/L			
NITROAROMATICS				
HMX	ug/L			
RDX	ug/L			
1,3,5-Trinitrobenzene	ug/L			
1,3-Dinitrobenzene	ug/L			
Tetryl	ug/L			
2,4,6-Trinitrotoluene	ug/L			
4-amino-2,6-Dinitrotoluene	ug/L			
2-amino-4,6-Dinitrotoluene	ug/L			
2,6-Dinitrotoluene	ug/L			
2,4-Dinitrotoluene	ug/L			

NOTES:
NR stands for NOT RECORDED

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

	MATRIX	WATER	WATER	WATER
	LOCATION	SEAD-5	SEAD-5	SEAD-5
	SAMPLE DATE	07/11/94	03/30/94	07/11/94
	ES ID	MW5-1	MW5-2	MW5-3
	LAB ID	226660	216045	226661
	SDG NUMBER	45282	43179	45282
COMPOUND	UNITS			
SEMIVOLATILE ORGANICS				
Phenol	ug/L	10 U	10 U	10 U
bis(2-Chloroethyl) ether	ug/L	10 U	10 U	10 U
2-Chlorophenol	ug/L	10 U	10 U	10 U
1,3-Dichlorobenzene	ug/L	10 U	10 U	10 U
1,4-Dichlorobenzene	ug/L	10 U	10 U	10 U
1,2-Dichlorobenzene	ug/L	10 U	10 U	10 U
2-Methylphenol	ug/L	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	10 U	10 U
4-Methylphenol	ug/L	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	ug/L	10 U	10 U	10 U
Hexachloroethane	ug/L	10 U	10 U	10 U
Nitrobenzene	ug/L	10 U	10 U	10 U
Isophorone	ug/L	10 U	10 U	10 U
2-Nitrophenol	ug/L	10 U	10 U	10 U
2,4-Dimethylphenol	ug/L	10 U	10 U	10 U
bis(2-Chloroethoxy) methane	ug/L	10 U	10 U	10 U
2,4-Dichlorophenol	ug/L	10 U	10 U	10 U
1,2,4-Trichlorobenzene	ug/L	10 U	10 U	10 U
Naphthalene	ug/L	10 U	10 U	10 U
4-Chloroaniline	ug/L	10 U	10 U	10 U
Hexachlorobutadiene	ug/L	10 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L	10 U	10 U	10 U
2-Methylnaphthalene	ug/L	10 U	10 U	10 U
Hexachlorocyclopentadiene	ug/L	10 U	10 U	10 U
2,4,6-Trichlorophenol	ug/L	10 U	10 U	10 U
2,4,5-Trichlorophenol	ug/L	25 U	25 U	26 U
2-Chloronaphthalene	ug/L	10 U	10 U	10 U
2-Nitroaniline	ug/L	25 U	25 U	26 U
Dimethylphthalate	ug/L	10 U	10 U	10 U
Acenaphthylene	ug/L	10 U	10 U	10 U
2,6-Dinitrotoluene	ug/L	10 U	10 U	10 U
3-Nitroaniline	ug/L	25 U	25 U	26 U
Acenaphthene	ug/L	10 U	10 U	10 U
2,4-Dinitrophenol	ug/L	25 U	25 U	26 U
4-Nitrophenol	ug/L	25 U	25 U	26 U
Dibenzofuran	ug/L	10 U	10 U	10 U
2,4-Dinitrotoluene	ug/L	10 U	10 U	10 U
Diethylphthalate	ug/L	10 U	10 U	10 U
4-Chlorophenyl-phenylether	ug/L	10 U	10 U	10 U
Fluorene	ug/L	10 U	10 U	10 U
4-Nitroaniline	ug/L	25 U	25 U	26 U
4,6-Dinitro-2-methylphenol	ug/L	25 U	25 U	26 U
N-Nitrosodiphenylamine	ug/L	10 U	10 U	10 U
4-Bromophenyl-phenylether	ug/L	10 U	10 U	10 U
Hexachlorobenzene	ug/L	10 U	10 U	10 U
Pentachlorophenol	ug/L	25 U	25 U	26 U
Phenanthrene	ug/L	10 U	10 U	10 U
Anthracene	ug/L	10 U	10 U	10 U
Carbazole	ug/L	10 U	10 U	10 U
Di-n-butylphthalate	ug/L	10 U	10 U	10 U
Fluoranthene	ug/L	10 U	10 U	10 U
Pyrene	ug/L	10 U	10 U	10 U
Butylbenzylphthalate	ug/L	10 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L	10 U	10 U	10 U
Benzo(a)anthracene	ug/L	10 U	10 U	10 U
Chrysene	ug/L	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	10 U	10 U
Di-n-octylphthalate	ug/L	10 U	10 U	10 U
Benzo(b)fluoranthene	ug/L	10 U	10 U	10 U
Benzo(k)fluoranthene	ug/L	10 U	10 U	10 U
Benzo(a)pyrene	ug/L	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	10 U	10 U
Dibenz(a,h)anthracene	ug/L	10 U	10 U	10 U
Benzo(g,h,i)perylene	ug/L	10 U	10 U	10 U

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

	MATRIX	WATER	WATER	WATER
	LOCATION	SEAD-5	SEAD-5	SEAD-5
	SAMPLE DATE	07/11/94	03/30/94	07/11/94
	ES ID	MW5-1	MW5-2	MW5-3
	LAB ID	226660	216045	226651
	SDG NUMBER	45282	43179	45282
COMPOUND	UNITS			
PESTICIDES/PCB				
alpha-BHC	ug/L	0.056 U	0.05 U	0.052 U
beta-BHC	ug/L	0.056 U	0.05 U	0.052 U
delta-BHC	ug/L	0.056 U	0.05 U	0.052 U
gamma-BHC (Lindane)	ug/L	0.056 U	0.05 U	0.052 U
Heptachlor	ug/L	0.056 U	0.05 U	0.052 U
Aldrin	ug/L	0.056 U	0.05 U	0.052 U
Heptachlor epoxide	ug/L	0.056 U	0.05 U	0.052 U
Endosulfan I	ug/L	0.056 U	0.05 U	0.052 U
Dieldrin	ug/L	0.11 U	0.1 U	0.1 U
4,4'-DDE	ug/L	0.11 U	0.1 U	0.1 U
Endrin	ug/L	0.11 U	0.1 U	0.1 U
Endosulfan II	ug/L	0.11 U	0.1 U	0.1 U
4,4'-DDD	ug/L	0.11 U	0.1 U	0.1 U
Endosulfan sulfate	ug/L	0.11 U	0.1 U	0.1 U
4,4'-DDT	ug/L	0.11 U	0.1 U	0.1 U
Methoxychlor	ug/L	0.56 U	0.5 U	0.52 U
Endrin ketone	ug/L	0.11 U	0.1 U	0.1 U
Endrin aldehyde	ug/L	0.11 U	0.1 U	0.1 U
alpha-Chlordane	ug/L	0.056 U	0.05 U	0.052 U
gamma-Chlordane	ug/L	0.056 U	0.05 U	0.052 U
Toxaphene	ug/L	5.6 U	5 U	5.2 U
Aroclor-1016	ug/L	1.1 U	1 U	1 U
Aroclor-1221	ug/L	2.2 U	2 U	2.1 U
Aroclor-1232	ug/L	1.1 U	1 U	1 U
Aroclor-1242	ug/L	1.1 U	1 U	1 U
Aroclor-1248	ug/L	1.1 U	1 U	1 U
Aroclor-1254	ug/L	1.1 U	1 U	1 U
Aroclor-1260	ug/L	1.1 U	1 U	1 U
METALS				
Aluminum	ug/L	1310	1090	2810
Antimony	ug/L	1.3 U	1 U	1.3 U
Arsenic	ug/L	2 U	1.5 U	2.8 J
Barium	ug/L	42.2 J	71.3 J	128 J
Beryllium	ug/L	0.1 U	0.06 U	0.16 J
Cadmium	ug/L	0.2 U	0.1 U	0.2 U
Calcium	ug/L	240000	110000	132000
Chromium	ug/L	2.5 J	2.3 J	5.7 J
Cobalt	ug/L	2.8 J	1.6 J	8.4 J
Copper	ug/L	2.2 J	3.2 J	8.2 J
Iron	ug/L	2670	2100	5500
Lead	ug/L	0.89 U	0.8 U	6.5
Magnesium	ug/L	43200	18200	21200
Manganese	ug/L	450	62.5	5230
Mercury	ug/L	0.04 U	0.03 U	0.04 U
Nickel	ug/L	5.3 J	4 J	12.7 J
Potassium	ug/L	4650 J	2090 J	2400 J
Selenium	ug/L	2.7 U	1.7 U	2.7 U
Silver	ug/L	0.5 U	0.7 U	0.5 U
Sodium	ug/L	73500	80000	210000
Thallium	ug/L	1.9 U	1.6 U	1.9 J
Vanadium	ug/L	2.6 J	2.3 J	5.3 J
Zinc	ug/L	11.5 J	10 J	45.8
Cyanide	ug/L	5 U	5 U	5 U
OTHER ANALYSES				
Nitrate/Nitrite-Nitrogen	mg/L	0.24	1.33	0.02 U
Total Petroleum Hydrocarbons	mg/L			
pH	Standard Units	6.9	7.2	6.7
Conductivity	umhos/cm	1220	550	NR
Temperature	°C	13.1	3.4	19.5
Turbidity	NTU	40	70.6	>100

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

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

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-9	SEAD-9	SEAD-9	SEAD-9	SEAD-9	SEAD-9	SEAD-9	SEAD-9	SEAD-9
	DEPTH (FEET)	0-0.2	4-6	8-9	0-0.2	4-6	8-9	0-0.2	4-6	6-8
	SAMPLE DATE	05/24/94	05/24/94	05/24/94	05/24/94	05/24/94	05/24/94	05/24/94	05/24/94	05/24/94
	ES ID	SB9-1-00	SB9-1-03	SB9-1-05	SB9-2-00	SB9-2-03	SB9-2-05	SB9-3-00	SB9-3-03	SB9-3-04
	LAB ID	222207	222208	222209	222210	222211	222212	222213	222214	222215
	SDG NUMBER	44345	44345	44345	44345	44345	44345	44345	44345	44345
COMPOUND	UNITS									
SEMIVOLATILE ORGANICS										
Phenol	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
bis(2-Chloroethyl) ether	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
2-Chlorophenol	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
1,3-Dichlorobenzene	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
1,4-Dichlorobenzene	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
1,2-Dichlorobenzene	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
2-Methylphenol	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
4-Methylphenol	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
N-Nitroso-di-n-propylamine	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
Hexachloroethane	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
Nitrobenzene	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
Isophorone	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
2-Nitrophenol	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
2,4-Dimethylphenol	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
bis(2-Chloroethoxy) methane	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
2,4-Dichlorophenol	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
1,2,4-Trichlorobenzene	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
Naphthalene	ug/Kg	23 J	360 J	380 U	32 J	20 J	410 U	31 J	400 U	370 U
4-Chloroaniline	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
Hexachlorobutadiene	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
4-Chloro-3-methylphenol	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
2-Methylnaphthalene	ug/Kg	27 J	140 J	380 U	470 U	33 J	410 U	390 U	400 U	370 U
Hexachlorocyclopentadiene	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
2,4,6-Trichlorophenol	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
2,4,5-Trichlorophenol	ug/Kg	850 U	1900 U	930 U	1100 U	860 U	1000 U	940 U	960 U	910 U
2-Chloronaphthalene	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
2-Nitroaniline	ug/Kg	850 U	1900 U	930 U	1100 U	860 U	1000 U	940 U	960 U	910 U
Dimethylphthalate	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
Acenaphthylene	ug/Kg	28 J	40 J	380 U	29 J	350 U	410 U	24 J	400 U	370 U
2,6-Dinitrotoluene	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
3-Nitroaniline	ug/Kg	850 U	1900 U	930 U	1100 U	860 U	1000 U	940 U	960 U	910 U
Acenaphthene	ug/Kg	90 J	790 J	380 U	130 J	350 U	410 U	87 J	400 U	370 U
2,4-Dinitrophenol	ug/Kg	850 U	1900 U	930 U	1100 U	860 U	1000 U	940 U	960 U	910 U
4-Nitrophenol	ug/Kg	850 U	1900 U	930 U	1100 U	860 U	1000 U	940 U	960 U	910 U
Dibenzofuran	ug/Kg	39 J	360 J	380 U	39 J	350 U	410 U	36 J	400 U	370 U
2,4-Dinitrotoluene	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
Diethylphthalate	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
4-Chlorophenyl-phenylether	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
Fluorene	ug/Kg	67 J	610 J	380 U	85 J	350 U	410 U	87 J	400 U	370 U
4-Nitroaniline	ug/Kg	850 U	1900 U	930 U	1100 U	860 U	1000 U	940 U	960 U	910 U
4,6-Dinitro-2-methylphenol	ug/Kg	850 U	1900 U	930 U	1100 U	860 U	1000 U	940 U	960 U	910 U
N-Nitrosodiphenylamine	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
4-Bromophenyl-phenylether	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
Hexachlorobenzene	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
Pentachlorophenol	ug/Kg	850 U	1900 U	930 U	1100 U	860 U	1000 U	940 U	960 U	910 U
Phenanthrene	ug/Kg	720	4300	380 U	1200	280 J	79 J	910	400 U	370 U
Anthracene	ug/Kg	210 J	1100	380 U	260 J	88 J	410 U	220 J	400 U	370 U
Carbazole	ug/Kg	150 J	860	380 U	240 J	350 U	410 U	160 J	400 U	370 U
Di-n-butylphthalate	ug/Kg	55 J	70 J	380 U	470 U	350 U	65 J	56 J	43 J	370 U
Fluoranthene	ug/Kg	1700	6200	380 U	2500	540	97 J	1200	25 J	370 U
Pyrene	ug/Kg	1400	5100	380 U	2400	570	160 J	1400	39 J	370 U
Butylbenzylphthalate	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
3,3'-Dichlorobenzidine	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
Benzo(a)anthracene	ug/Kg	680	2600	380 U	1200	380	410 U	670	400 U	370 U
Chrysene	ug/Kg	720	2300	380 U	1200	440	410 U	680	400 U	370 U
bis(2-Ethylhexyl)phthalate	ug/Kg	88 J	240 J	20 J	84 J	350 U	410 U	95 J	400 U	60 J
Di-n-octylphthalate	ug/Kg	350 U	800 U	380 U	470 U	350 U	410 U	390 U	400 U	370 U
Benzo(b)fluoranthene	ug/Kg	1600 JN	4700 JN	380 U	2400 JN	590 JN	410 U	1600 JN	400 U	370 U
Benzo(k)fluoranthene	ug/Kg	350 UJN	800 UJN	380 U	470 UJN	350 UJN	410 U	390 UJN	400 U	370 U
Benzo(a)pyrene	ug/Kg	670	2100	380 U	990	350 J	410 U	750	400 U	370 U
Indeno(1,2,3-cd)pyrene	ug/Kg	430	1100	380 U	570	350 U	410 U	420	400 U	370 U
Dibenz(a,h)anthracene	ug/Kg	190 J	670 J	380 U	290 J	350 U	410 U	160 J	400 U	370 U
Benzo(g,h,i)perylene	ug/Kg	310 J	760 J	380 U	460 J	350 U	410 U	230 J	400 U	370 U

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-9	SEAD-9	SEAD-9	SEAD-9	SEAD-9	SEAD-9	SEAD-9	SEAD-9	SEAD-9
	DEPTH (FEET)	0-0.2	4-6	8-9	0-0.2	4-6	8-9	0-0.2	4-6	6-8
	SAMPLE DATE	05/24/94	05/24/94	05/24/94	05/24/94	05/24/94	05/24/94	05/24/94	05/24/94	05/24/94
	ES ID	SB9-1-00	SB9-1-03	SB9-1-05	SB9-2-00	SB9-2-03	SB9-2-05	SB9-3-00	SB9-3-03	SB9-3-04
	LAB ID	222207	222208	222209	222210	222211	222212	222213	222214	222215
	SDG NUMBER	44345	44345	44345	44345	44345	44345	44345	44345	44345
COMPOUND	UNITS									
PESTICIDES/PCB										
alpha-BHC	ug/Kg	3.6 U	4.1 U	2 U	1.8 U	1.8 U	2.1 U	2 U	2 U	1.9 U
beta-BHC	ug/Kg	3.6 U	4.1 U	2 U	1.8 U	1.8 U	2.1 U	2 U	2 U	1.9 U
delta-BHC	ug/Kg	3.6 U	4.1 U	2 U	1.8 U	1.8 U	2.1 U	0.94 J	2 U	1.9 U
gamma-BHC (Lindane)	ug/Kg	3.6 U	4.1 U	2 U	1.8 U	1.3 J	2.1 U	2 U	2 U	1.9 U
Heptachlor	ug/Kg	3.6 U	4.1 U	2 U	1.8 U	5.7	2.1 U	2 U	2 U	1.9 U
Aldrin	ug/Kg	2.4 J	4.1 U	2 U	1.8 U	1.8 U	2.1 U	2 U	2 U	1.9 U
Heptachlor epoxide	ug/Kg	3.6 U	4.1 U	2 U	1.8 U	1.1 J	2.1 U	2 U	2 U	1.9 U
Endosulfan I	ug/Kg	3.6 U	4.1 U	2 U	1.8 U	1.8 U	2.1 U	2 U	2 U	1.9 U
Dieldrin	ug/Kg	7 U	8 U	3.8 U	3.5 U	3.5 U	4.1 U	3 J	4 U	3.7 U
4,4'-DDE	ug/Kg	55	13 J	3.8 U	25	25	4 J	23	4 U	3.7 U
Endrin	ug/Kg	7 U	8 U	3.8 U	3.5 U	3.5 U	4.1 U	3.9 U	4 U	3.7 U
Endosulfan II	ug/Kg	7 U	8 U	3.8 U	3.5 U	3.5 U	4.1 U	3.9 U	4 U	3.7 U
4,4'-DDD	ug/Kg	14 J	8.1 J	3.8 U	16	14	2.6 J	4.2 J	4 U	3.7 U
Endosulfan sulfate	ug/Kg	7 U	8 U	3.8 U	3.5 U	3.5 U	4.1 U	3.9 U	4 U	3.7 U
4,4'-DDT	ug/Kg	73 J	33 J	3.8 U	37	45 J	4 J	27	4 U	3.7 U
Methoxychlor	ug/Kg	36 U	41 U	20 U	18 U	18 U	21 U	20 U	20 U	19 U
Endrin ketone	ug/Kg	7 U	8 U	3.8 U	3.5 U	3.5 U	4.1 U	3.9 U	4 U	3.7 U
Endrin aldehyde	ug/Kg	7 U	8 U	3.8 U	3.5 U	3.5 U	4.1 U	3.9 U	4 U	3.7 U
alpha-Chlordane	ug/Kg	8	4.7 J	2 U	1.8 U	16 J	1.2 J	1.9 J	2 U	1.9 U
gamma-Chlordane	ug/Kg	3.6 U	4.1 U	2 U	1.7 J	19	1.4 J	2 U	2 U	1.9 U
Toxaphene	ug/Kg	360 U	410 U	200 U	180 U	180 U	210 U	200 U	200 U	190 U
Aroclor-1016	ug/Kg	70 U	80 U	38 U	35 U	35 U	41 U	39 U	40 U	37 U
Aroclor-1221	ug/Kg	140 U	160 U	78 U	72 U	72 U	84 U	79 U	81 U	76 U
Aroclor-1232	ug/Kg	70 U	80 U	38 U	35 U	35 U	41 U	39 U	40 U	37 U
Aroclor-1242	ug/Kg	70 U	80 U	38 U	35 U	35 U	41 U	39 U	40 U	37 U
Aroclor-1248	ug/Kg	70 U	80 U	38 U	35 U	35 U	41 U	39 U	40 U	37 U
Aroclor-1254	ug/Kg	140 J	80 U	38 U	35 U	35 U	41 U	39 U	40 U	37 U
Aroclor-1260	ug/Kg	70 U	80 U	38 U	35 U	35 U	41 U	39 U	40 U	37 U
METALS										
Aluminum	mg/Kg	12700	12600	13600	8130	5230	14600	14000	15000	13300
Antimony	mg/Kg	0.34 J	0.13 UJ	0.19 UJ	0.45 J	0.31 J	0.27 J	0.71 J	0.21 UJ	0.13 UJ
Arsenic	mg/Kg	5.7	5.4	5.9	8.5	3.9	6.9	5.4	5.3	4.6
Barium	mg/Kg	76.9	73.1	51.2	91.4	38.3	64.9	88.3	101	70.8
Beryllium	mg/Kg	0.61 J	0.6 J	0.62 J	0.46 J	0.34 J	0.62 J	0.67 J	0.78 J	0.65
Cadmium	mg/Kg	0.97	0.69	0.44 J	1.1	0.61 J	0.68 J	0.76 J	0.65 J	0.65
Calcium	mg/Kg	63000	40900	2790	120000	217000	17100	20600	4780	19800
Chromium	mg/Kg	22.4	17.6	21.3	19.9	12.3	19.9	21	22.8	20.5
Cobalt	mg/Kg	12	10.2	7.8 J	10.5	5.8 J	10.4	11.4	12	11.5
Copper	mg/Kg	33	20.3	23.3	27.4	19.1	15.2	29.5	23.1	24.9
Iron	mg/Kg	24200	22400	25400	16400	10200	27700	25800	28600	26100
Lead	mg/Kg	50.3 J	21.7 J	10.4 J	85.1 J	43 J	20.6 J	47.4 J	16.2 J	11.5 J
Magnesium	mg/Kg	9240	8310	4140	13000	10900	4840	9360	4700	6860
Manganese	mg/Kg	524	635	313	984	320	467	710	681	472
Mercury	mg/Kg	0.05 J	0.08 J	0.26	0.1	0.07 J	0.07 J	0.06 J	0.09 J	0.08 J
Nickel	mg/Kg	35.1	25.1	35.7	41.6	15.6	21.4	24	28.4	23
Potassium	mg/Kg	2140 J	1430 J	1730 J	1790 J	1490 J	1250 J	2070 J	1420 J	1300 J
Selenium	mg/Kg	0.58 J	0.23 J	0.9 J	0.25 U	0.31 U	0.62 J	0.76 J	0.52 J	0.42 J
Silver	mg/Kg	0.12 UJ	0.09 UJ	0.13 UJ	0.1 UJ	0.13 UJ	0.14 UJ	0.13 UJ	0.15 UJ	0.09 UJ
Sodium	mg/Kg	115 J	65 J	64.7 J	139 J	166 J	185 J	29 U	48.2 J	65 J
Thallium	mg/Kg	0.27 U	0.2 U	0.3 U	0.23 U	0.29 U	0.32 U	0.29 U	0.34 U	0.2 U
Vanadium	mg/Kg	24.5	21.1	23.7	22.7	21.1	21.8	26.8	25.5	21.7
Zinc	mg/Kg	126	75.7	82.7	102	59.7	72	96.8	70.3	54.4
Cyanide	mg/Kg	0.47 U	0.58 U	0.54 U	0.53 U	0.48 U	0.61 U	0.48 U	0.59 U	0.55 U
OTHER ANALYSES										
Nitrate/Nitrite-Nitrogen	mg/Kg									
Total Petroleum Hydrocarbons	mg/Kg	245	1170	30 U	580	15900	1520	145	47	33
Total Solids	%W/W	93.9	83.1	85.8	93	93.4	80.2	84.7	83.4	88.2

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

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

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

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

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

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

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

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

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

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-12	SEAD-12	SEAD-12	SEAD-12	SEAD-12	SEAD-12	SEAD-12	SEAD-12	SEAD-12	SEAD-12
	DEPTH (FEET)	2.5	3	6	5	2.5	6	4	4	3	1
	SAMPLE DATE	06/24/94	06/24/94	06/22/94	06/22/94	06/22/94	06/22/94	06/21/94	06/21/94	06/23/94	06/23/94
	ES ID	TP12A-1-1	TP12A-1-2	TP12A-2-1	TP12A-2-2	TP12A-3-1	TP12A-3-2	TP12A-4-1	TP12A-4-2	TP12A-5-1	TP12A-6-1
	LAB ID	225531	225532	225398	225399	225400	225401	224878	224879	225539	225540
	SDG NUMBER	45048	45048	44799	44799	44799	44799	44799	44799	45048	45048
	UNITS										
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	300 J	48 J	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
bis(2-Chloroethyl) ether	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
2-Chlorophenol	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
1,3-Dichlorobenzene	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
1,4-Dichlorobenzene	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
1,2-Dichlorobenzene	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
2-Methylphenol	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
4-Methylphenol	ug/Kg	140 J	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
N-Nitroso-di-n-propylamine	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
Hexachloroethane	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
Nitrobenzene	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
Isophorone	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
2-Nitrophenol	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
2,4-Dimethylphenol	ug/Kg	25 J	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
bis(2-Chloroethoxy) methane	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
2,4-Dichlorophenol	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
1,2,4-Trichlorobenzene	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
Naphthalene	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
4-Chloroaniline	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
Hexachlorobutadiene	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
4-Chloro-3-methylphenol	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
2-Methylnaphthalene	ug/Kg	400 U	21 J	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
Hexachlorocyclopentadiene	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
2,4,6-Trichlorophenol	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
2,4,5-Trichlorophenol	ug/Kg	980 U	920 U	11000 U	940 U	1100 U	900 U	940 U	960 U	900 U	920 U
2-Chloronaphthalene	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
2-Nitroaniline	ug/Kg	980 U	920 U	11000 U	940 U	1100 U	900 U	940 U	960 U	900 U	920 U
Dimethylphthalate	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
Acenaphthylene	ug/Kg	400 U	33 J	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
2,6-Dinitrotoluene	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
3-Nitroaniline	ug/Kg	980 U	920 U	11000 U	940 U	1100 U	900 U	940 U	960 U	900 U	920 U
Acenaphthene	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	44 J
2,4-Dinitrophenol	ug/Kg	980 U	920 U	11000 U	940 U	1100 U	900 U	940 U	960 U	900 U	920 U
4-Nitrophenol	ug/Kg	980 U	920 U	11000 U	940 U	1100 U	900 U	940 U	960 U	900 U	920 U
Dibenzofuran	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
2,4-Dinitrotoluene	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
Diethylphthalate	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
4-Chlorophenyl-phenylether	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
Fluorene	ug/Kg	400 U	52 J	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	35 J
4-Nitroaniline	ug/Kg	980 U	920 U	11000 U	940 U	1100 U	900 U	940 U	960 U	900 U	920 U
4,6-Dinitro-2-methylphenol	ug/Kg	980 U	920 U	11000 U	940 U	1100 U	900 U	940 U	960 U	900 U	920 U
N-Nitrosodiphenylamine	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
4-Bromophenyl-phenylether	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
Hexachlorobenzene	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
Pentachlorophenol	ug/Kg	980 U	920 U	11000 U	940 U	1100 U	900 U	940 U	960 U	900 U	920 U
Phenanthrene	ug/Kg	27 J	340 J	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	280 J
Anthracene	ug/Kg	400 U	96 J	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	63 J
Carbazole	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	40 J
Di-n-butylphthalate	ug/Kg	79 J	1700	4500 U	390 U	430 U	370 U	390 U	400 U	28 J	47 J
Fluoranthene	ug/Kg	40 J	420	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	300 J
Pyrene	ug/Kg	37 J	380	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	230 J
Butylbenzylphthalate	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
3,3'-Dichlorobenzidine	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
Benzo(a)anthracene	ug/Kg	21 J	180 J	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	99 J
Chrysene	ug/Kg	28 J	240 J	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	130 J
bis(2-Ethylhexyl)phthalate	ug/Kg	230 J	860	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
Di-n-octylphthalate	ug/Kg	400 U	380 U	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	380 U
Benzo(b)fluoranthene	ug/Kg	28 J	190 J	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	95 J
Benzo(k)fluoranthene	ug/Kg	32 J	160 J	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	76 J
Benzo(a)pyrene	ug/Kg	30 J	200 J	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	92 J
Indeno(1,2,3-cd)pyrene	ug/Kg	400 U	120 J	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	69 J
Dibenz(a,h)anthracene	ug/Kg	400 U	57 J	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	43 J
Benzo(g,h,i)perylene	ug/Kg	400 U	120 J	4500 U	390 U	430 U	370 U	390 U	400 U	370 U	29 J

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

COMPOUND	UNITS	SOIL SEAD-12 2.5 06/24/94 TP12A-1-1 225531 45048	SOIL SEAD-12 3 06/24/94 TP12A-1-2 225532 45048	SOIL SEAD-12 6 06/22/94 TP12A-2-1 225398 44799	SOIL SEAD-12 5 06/22/94 TP12A-2-2 225399 44799	SOIL SEAD-12 2.5 06/22/94 TP12A-3-1 225400 44799	SOIL SEAD-12 6 06/22/94 TP12A-3-2 225401 44799	SOIL SEAD-12 4 06/21/94 TP12A-4-1 224878 44799	SOIL SEAD-12 4 06/21/94 TP12A-4-2 224879 44799	SOIL SEAD-12 3 06/23/94 TP12A-5-1 225539 45048	SOIL SEAD-12 1 06/23/94 TP12A-6-1 225540 45048
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2.1 U	2 U	4.7 U	2 U	2.2 U	1.9 U	2 U	2 U	1.9 U	2 U
beta-BHC	ug/Kg	2.1 U	2 U	4.7 U	2 U	2.2 U	1.9 U	2 U	2 U	1.9 U	2 U
delta-BHC	ug/Kg	2.1 U	2 U	4.7 U	2 U	2.2 U	1.9 U	2 U	2 U	1.9 U	2 U
gamma-BHC (Lindane)	ug/Kg	2.1 U	2 U	4.7 U	2 U	2.2 U	1.9 U	2 U	2 U	1.9 U	2 U
Heptachlor	ug/Kg	2.1 U	2 U	4.7 U	2 U	2.2 U	1.9 U	2 U	2 U	1.9 U	2 U
Aldrin	ug/Kg	0.79 J	2 U	4.7 U	2 U	2.2 U	1.9 U	2 U	2 U	1.9 U	2 U
Heptachlor epoxide	ug/Kg	2.1 U	2 U	4.7 U	2 U	2.2 U	1.9 U	2 U	2 U	1.9 U	2 U
Endosulfan I	ug/Kg	2.1 U	2 U	4.7 U	2 U	2.2 U	1.9 U	2 U	2 U	1.9 U	2 U
Dieldrin	ug/Kg	4 U	3.8 U	9 U	3.9 U	4.3 U	3.7 U	3.9 U	4 U	3.7 U	3.8 U
4,4'-DDE	ug/Kg	4 U	2.2 J	9 U	3.9 U	4.3 U	3.7 U	3.9 U	4 U	3.7 U	6.4
Endrin	ug/Kg	4 U	3.8 U	20 J	3.8 J	4.3 U	3.7 U	3.9 U	4 U	3.7 U	3.8 U
Endosulfan II	ug/Kg	4 U	3.8 U	9 U	3.9 U	4.3 U	3.7 U	3.9 U	4 U	3.7 U	3.8 U
4,4'-DDD	ug/Kg	4 U	3.8 U	9 U	3.9 U	4.3 U	3.7 U	3.9 U	4 U	3.7 U	5.1
Endosulfan sulfate	ug/Kg	4 U	3.8 U	9 U	3.9 U	4.3 U	3.7 U	3.9 U	4 U	3.7 U	3.8 U
4,4'-DDT	ug/Kg	4 U	3.8 U	9 U	2.1 J	4.3 U	3.7 U	3.9 U	4 U	3.7 U	3.8
Methoxychlor	ug/Kg	21 U	20 U	47 U	20 U	22 U	19 U	20 U	20 U	19 U	20 U
Endrin ketone	ug/Kg	4 U	3.8 U	9 U	3.9 U	4.3 U	3.7 U	3.9 U	4 U	3.7 U	3.8 U
Endrin aldehyde	ug/Kg	4 U	3.8 U	9 U	3.9 U	4.3 U	3.7 U	3.9 U	4 U	3.7 U	3.8 U
alpha-Chlordane	ug/Kg	2.1 U	1.5 J	4.7 U	2 U	2.2 U	1.9 U	2 U	2 U	1.9 U	2 U
gamma-Chlordane	ug/Kg	2.1 U	2 U	4.7 U	2.1 J	2.2 U	1.9 U	2 U	2 U	1.9 U	2 U
Toxaphene	ug/Kg	210 U	200 U	470 U	200 U	220 U	190 U	200 U	200 U	190 U	200 U
Aroclor-1016	ug/Kg	40 U	38 U	90 U	39 U	43 U	37 U	39 U	40 U	37 U	38 U
Aroclor-1221	ug/Kg	82 U	77 U	180 U	79 U	88 U	75 U	79 U	81 U	75 U	77 U
Aroclor-1232	ug/Kg	40 U	38 U	90 U	39 U	43 U	37 U	39 U	40 U	37 U	38 U
Aroclor-1242	ug/Kg	40 U	38 U	90 U	39 U	43 U	37 U	39 U	40 U	37 U	38 U
Aroclor-1248	ug/Kg	40 U	38 U	90 U	39 U	43 U	37 U	39 U	40 U	37 U	38 U
Aroclor-1254	ug/Kg	49	73	2300	500	43 U	37 U	39 U	40 U	37 U	38 U
Aroclor-1260	ug/Kg	40 U	38 U	150	31 J	43 U	37 U	39 U	40 U	37 U	38 U
METALS											
Aluminum	mg/Kg	11400	11400	10900	17100	13200	9720	9600	13400	9750	14000
Antimony	mg/Kg	0.31 J	1.9 J	7.2 J	1.9 J	0.25 UJ	0.27 UJ	0.25 UJ	0.18 UJ	0.26 UJ	0.25 J
Arsenic	mg/Kg	3.8	5.2	4.7	4.9	5	3.7	4.2	4.9	3.8	5.2
Barium	mg/Kg	96.3	93.3	81	73.6	89	73.6	72	102	94.5	78.7
Beryllium	mg/Kg	0.5 J	0.62 J	0.74 J	0.74 J	0.71 J	0.49 J	0.48 J	0.63 J	0.45 J	0.61 J
Cadmium	mg/Kg	7.8	94.3	27.3	37.3	3.6	0.68 J	0.57 J	0.82	0.4 J	0.7 J
Calcium	mg/Kg	38900 J	81800 J	77700	10900	5600	85400	82800	39100	78800 J	22000 J
Chromium	mg/Kg	27.5	83.3	16.5	32.4	18.1	14.8	14.1	18.5	15.1	20.7
Cobalt	mg/Kg	9.9	9.4 J	13.1	26.5	10.2	8.3 J	8.6 J	9.6	8.2 J	10.1
Copper	mg/Kg	25.7	215	43.6	128	18.6	18	21.2	24.2	19.5	21.2
Iron	mg/Kg	20100	24200	19000	27500	24100	19400	18700	23300	18900	26100
Lead	mg/Kg	18.9 J	366 J	20	20.2	25.7	10	8.9	16.8	15.5 J	22.7 J
Magnesium	mg/Kg	8390	9310	5360	5290	4530	12700	15700	9930	19100	6840
Manganese	mg/Kg	518	495	502	428	490	429	395	419	394	524
Mercury	mg/Kg	0.04 J	0.05 J	0.04 J	0.03 J	0.06 J	0.02 J	0.03 J	0.03 J	0.04 J	0.08 J
Nickel	mg/Kg	25.3	29.9	39	201	27.2	25	24.8	30.9	24	28.4
Potassium	mg/Kg	1640 J	1490 J	1530 J	1370 J	1290 J	1700 J	1990 J	2880 J	2350 J	1430 J
Selenium	mg/Kg	1.1	0.6 J	1.2	1	1.9	0.65 J	0.95 J	1.6	0.54 U	1.2
Silver	mg/Kg	0.1 U	11.9	0.49 J	0.33 J	0.1 U	0.1 U	0.1 U	0.07 U	0.1 U	0.08 U
Sodium	mg/Kg	45.2 J	101 J	46.2 J	66.8 J	30.3 J	129 J	124 J	107 J	115 J	51.5 J
Thallium	mg/Kg	0.37 U	0.44 J	0.98 J	0.59 J	0.56 J	0.7 J	0.41 J	0.56 J	0.38 U	0.48 J
Vanadium	mg/Kg	17.9	19.2	17.9	19.6	22.5	15.4	16.2	21.5	17.5	22.7
Zinc	mg/Kg	95.4	285	93.3	424	112	53.8	79.3	281	51.1	78.8
Cyanide	mg/Kg	0.48 U	0.54 U	0.63 U	0.48 U	0.58 U	0.45 U	0.46 U	0.5 U	0.52 U	0.48 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	82.2	86.6	72.9	84.8	76.4	89.1	84.8	83.4	88.7	87.1

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

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

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-12	SEAD-12	SEAD-12	SEAD-12	SEAD-12	SEAD-12	SEAD-12	SEAD-12	SEAD-12	SEAD-12
	DEPTH (FEET)	7	4	4	7	4	2.5	2.5	2.5	0-0.2	4-6
	SAMPLE DATE	06/23/94	06/23/94	06/23/94	06/24/94	06/25/94	06/24/94	06/25/94	06/25/94	06/10/94	06/10/94
	ES ID	TP12A-6-2	TP12A-7-1	TP12A-7-1RE	TP12A-8-1	TP12B-1	TP12B-2-1	TP12B-3	TP12B-53	MW12A-1-00	MW12A-1-03
	LAB ID	225541	225543	225543	225533	225582	225550	225551	225553	223886	223887
	SDG NUMBER	45048	45048	45048	45048	45058	45058	45058	45058	44725	44725
COMPOUND	UNITS								TP12B-3DUP		
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
bis(2-Chloroethyl) ether	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
2-Chlorophenol	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
1,3-Dichlorobenzene	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
1,4-Dichlorobenzene	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
1,2-Dichlorobenzene	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
2-Methylphenol	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
4-Methylphenol	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
N-Nitroso-di-n-propylamine	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
Hexachloroethane	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
Nitrobenzene	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
Isophorone	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
2-Nitrophenol	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
2,4-Dimethylphenol	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
bis(2-Chloroethoxy) methane	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
2,4-Dichlorophenol	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
1,2,4-Trichlorobenzene	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
Naphthalene	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
4-Chloroaniline	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
Hexachlorobutadiene	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
4-Chloro-3-methylphenol	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
2-Methylnaphthalene	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
Hexachlorocyclopentadiene	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
2,4,6-Trichlorophenol	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
2,4,5-Trichlorophenol	ug/Kg	900 U	1300 U		890 U	880 U	930 U	900 U	900 U	1000 U	890 U
2-Chloronaphthalene	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
2-Nitroaniline	ug/Kg	900 U	1300 U		890 U	880 U	930 U	900 U	900 U	1000 U	890 U
Dimethylphthalate	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
Acenaphthylene	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
2,6-Dinitrotoluene	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
3-Nitroaniline	ug/Kg	900 U	1300 U		890 U	880 U	930 U	900 U	900 U	1000 U	890 U
Acenaphthene	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
2,4-Dinitrophenol	ug/Kg	900 U	1300 U		890 U	880 U	930 U	900 U	900 U	1000 U	890 U
4-Nitrophenol	ug/Kg	900 U	1300 U		890 U	880 U	930 U	900 U	900 U	1000 U	890 U
Dibenzofuran	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
2,4-Dinitrotoluene	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
Diethylphthalate	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
4-Chlorophenyl-phenylether	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
Fluorene	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
4-Nitroaniline	ug/Kg	900 U	1300 U		890 U	880 U	930 U	900 U	900 U	1000 U	890 U
4,6-Dinitro-2-methylphenol	ug/Kg	900 U	1300 U		890 U	880 U	930 U	900 U	900 U	1000 U	890 U
N-Nitrosodiphenylamine	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
4-Bromophenyl-phenylether	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
Hexachlorobenzene	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
Pentachlorophenol	ug/Kg	900 U	1300 U		890 U	880 U	930 U	900 U	900 U	1000 U	890 U
Phenanthrene	ug/Kg	370 U	120 J		370 U	360 U	380 U	370 U	370 U	430 U	370 U
Anthracene	ug/Kg	370 U	43 J		370 U	360 U	380 U	370 U	370 U	430 U	370 U
Carbazole	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
Di-n-butylphthalate	ug/Kg	32 J	50 J		52 J	44 J	380 U	370 U	53 J	430 U	370 U
Fluoranthene	ug/Kg	370 U	320 J		370 U	360 U	380 U	370 U	370 U	430 U	370 U
Pyrene	ug/Kg	370 U	230 J		370 U	360 U	380 U	370 U	370 U	430 U	370 U
Butylbenzylphthalate	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
3,3'-Dichlorobenzidine	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
Benzo(a)anthracene	ug/Kg	370 U	150 J		370 U	360 U	380 U	370 U	370 U	430 U	370 U
Chrysene	ug/Kg	370 U	210 J		370 U	360 U	380 U	370 U	370 U	430 U	370 U
bis(2-Ethylhexyl)phthalate	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	73 J
Di-n-octylphthalate	ug/Kg	370 U	540 U		370 U	360 U	380 U	370 U	370 U	430 U	370 U
Benzo(b)fluoranthene	ug/Kg	370 U	320 J		370 U	360 U	380 U	370 U	370 U	430 U	370 U
Benzo(k)fluoranthene	ug/Kg	370 U	540 UJ		370 U	360 U	380 U	370 U	370 U	430 U	370 U
Benzo(a)pyrene	ug/Kg	370 U	180 J		370 U	360 U	380 U	370 U	370 U	430 U	370 U
Indeno(1,2,3-cd)pyrene	ug/Kg	370 U	140 J		370 U	360 U	380 U	370 U	370 U	430 U	370 U
Dibenz(a,h)anthracene	ug/Kg	370 U	99 J		370 U	360 U	380 U	370 U	370 U	430 U	370 U
Benzo(g,h,i)perylene	ug/Kg	370 U	98 J		370 U	380 U	380 U	370 U	370 U	430 U	370 U

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-12	SEAD-12	SEAD-12	SEAD-12	SEAD-12	SEAD-12	SEAD-12	SEAD-12	SEAD-12	SEAD-12
	DEPTH (FEET)	7	4	4	7	4	2.5	2.5	2.5	0-0.2	4-6
	SAMPLE DATE	06/23/94	06/23/94	06/23/94	06/24/94	06/25/94	06/24/94	06/25/94	06/25/94	06/10/94	06/10/94
	ES ID	TP12A-6-2	TP12A-7-1	TP12A-7-1RE	TP12A-8-1	TP12B-1	TP12B-2-1	TP12B-3	TP12B-53	MW12A-1-00	MW12A-1-03
	LAB ID	225541	225543	225543	225533	225582	225550	225551	225553	223886	223887
	SDG NUMBER	45048	45048	45048	45048	45058	45058	45058	45058	44725	44725
COMPOUND	UNITS								TP12B-3DUP		
PESTICIDES/PCB											
alpha-BHC	ug/Kg	1.9 U	2.8 U		1.9 U	1.9 UJ	2 U	1.9 U	1.9 U	2.2 U	1.9 U
beta-BHC	ug/Kg	1.9 U	2.8 U		1.9 U	1.9 UJ	2 U	1.9 U	1.9 U	2.2 U	1.9 U
delta-BHC	ug/Kg	1.9 U	2.8 U		1.9 U	1.9 UJ	2 U	1.9 U	1.9 U	2.2 U	1.9 U
gamma-BHC (Lindane)	ug/Kg	1.9 U	2.8 U		1.9 U	1.9 UJ	2 U	1.9 U	1.9 U	2.2 U	1.9 U
Heptachlor	ug/Kg	1.9 U	2.8 U		1.9 U	1.9 UJ	2 U	1.9 U	1.9 U	2.2 U	1.9 U
Aldrin	ug/Kg	1.9 U	2.8 U		1.9 U	1.9 UJ	2 U	1.9 U	1.9 U	2.2 U	1.9 U
Heptachlor epoxide	ug/Kg	1.9 U	2.8 U		1.9 U	1.9 UJ	2 U	1.9 U	1.9 U	2.2 U	1.9 U
Endosulfan I	ug/Kg	1.9 U	2.8 U		1.9 U	1.9 UJ	2 U	1.9 U	1.9 U	2.2 U	1.9 U
Dieldrin	ug/Kg	3.7 U	5.4 U		3.7 U	3.6 UJ	3.8 U	3.7 U	3.7 U	4.3 U	3.7 U
4,4'-DDE	ug/Kg	3.7 U	2.3 J		3.7 U	3.6 UJ	3.8 U	3.7 U	3.7 U	4.3 U	3.7 U
Endrin	ug/Kg	3.7 U	5.4 U		3.7 U	3.6 UJ	3.8 U	3.7 U	3.7 U	4.3 U	3.7 U
Endosulfan II	ug/Kg	3.7 U	5.4 U		3.7 U	3.6 UJ	3.8 U	3.7 U	3.7 U	4.3 U	3.7 U
4,4'-DDD	ug/Kg	3.7 U	5.4 U		3.7 U	3.6 UJ	3.8 U	3.7 U	3.7 U	4.3 U	3.7 U
Endosulfan sulfate	ug/Kg	3.7 U	5.4 U		3.7 U	3.6 UJ	3.8 U	3.7 U	3.7 U	4.3 U	3.7 U
4,4'-DDT	ug/Kg	3.7 U	5.4 U		3.7 U	3.6 UJ	3.8 U	3.7 U	3.7 U	4.3 U	3.7 U
Methoxychlor	ug/Kg	19 U	28 U		19 U	19 UJ	20 U	19 U	19 U	22 U	19 U
Endrin ketone	ug/Kg	3.7 U	5.4 U		3.7 U	3.6 UJ	3.8 U	3.7 U	3.7 U	4.3 U	3.7 U
Endrin aldehyde	ug/Kg	3.7 U	5.4 U		3.7 U	3.6 UJ	3.8 U	3.7 U	3.7 U	4.3 U	3.7 U
alpha-Chlordane	ug/Kg	1.9 U	2.6 J		1.9 U	1.9 UJ	2 U	1.9 U	1.9 U	2.2 U	1.9 U
gamma-Chlordane	ug/Kg	1.9 U	2.3 J		1.9 U	1.9 UJ	2 U	1.9 U	1.9 U	2.2 U	1.9 U
Toxaphene	ug/Kg	190 U	280 U		190 U	190 UJ	200 U	190 U	190 U	220 U	190 U
Aroclor-1016	ug/Kg	37 U	54 U		37 U	36 UJ	38 U	37 U	37 U	43 U	37 U
Aroclor-1221	ug/Kg	75 U	110 U		74 U	74 UJ	78 U	75 U	75 U	87 U	74 U
Aroclor-1232	ug/Kg	37 U	54 U		37 U	36 UJ	38 U	37 U	37 U	43 U	37 U
Aroclor-1242	ug/Kg	37 U	54 U		37 U	36 UJ	38 U	37 U	37 U	43 U	37 U
Aroclor-1248	ug/Kg	37 U	54 U		37 U	36 UJ	38 U	37 U	37 U	43 U	37 U
Aroclor-1254	ug/Kg	37 U	54 U		37 U	36 UJ	38 U	37 U	37 U	43 U	37 U
Aroclor-1260	ug/Kg	37 U	54 U		37 U	36 UJ	38 U	37 U	37 U	43 U	37 U
METALS											
Aluminum	mg/Kg	8460	18600		6610	7400	10300	6850	6120	18700	11000
Antimony	mg/Kg	0.28 J	0.39 J		0.26 UJ	0.23 UJ	0.24 UJ	0.26 UJ	0.22 UJ	0.22 UJ	0.24 UJ
Arsenic	mg/Kg	2.9	7.7		3.1	4.4 J	4.6 J	3.3 J	2.8 J	5.2	3.5
Barium	mg/Kg	76.2	135		67.4	78.3	90.5	36.5 J	32.5 J	125	82.8
Beryllium	mg/Kg	0.4 J	0.83 J		0.31 J	0.37 J	0.52 J	0.26 J	0.24 J	0.8 J	0.46 J
Cadmium	mg/Kg	0.35 J	1 J		0.5 J	0.36 J	0.43 J	0.18 J	0.17 J	0.86	0.52 J
Calcium	mg/Kg	62000 J	25400 J		86700 J	85300	76400	44100	45500	3370	71200
Chromium	mg/Kg	14	25		10.6	11.4	15.9	9.1	8	23.1	15.3
Cobalt	mg/Kg	6.8 J	15.7		7.1 J	7.6 J	9.7	4.2 J	4.3 J	10.9	10.1
Copper	mg/Kg	16.4	38.4		17.7	22.1	21.9	13.8	12.9	19.1	20.6
Iron	mg/Kg	17100	34500		14400	15600	20100	11700	11000	23500	17400
Lead	mg/Kg	431 J	49 J		12.3 J	7.9	10.6	4.8	4.3	21.6	7.6
Magnesium	mg/Kg	11600	10600		36100	22800	16900	15800	18300	3880	19200
Manganese	mg/Kg	358	857		326	340	383	316	337	939	414
Mercury	mg/Kg	0.03 J	0.11		0.02 J	0.03 J	0.02 J	0.03 J	0.03 J	0.06 J	0.02 J
Nickel	mg/Kg	22	39.4		18.9	19.9	29	9.2	8.7	25.7	23.7
Potassium	mg/Kg	1700 J	3670 J		1480 J	1940 J	2330 J	2150 J	1840 J	2660 J	3460 J
Selenium	mg/Kg	0.48 U	1.2 J		0.54 U	0.48 U	0.5 U	0.54 U	0.45 U	1.2	0.5 U
Silver	mg/Kg	0.09 U	0.13 U		0.1 U	0.09 U	0.09 U	0.1 U	0.08 U	0.09 U	0.09 U
Sodium	mg/Kg	95 J	26.5 U		112 J	252 J	233 J	157 J	144 J	16.9 U	79.9 J
Thallium	mg/Kg	0.34 U	0.98 J		0.38 U	0.39 J	0.79 J	0.46 J	0.32 U	0.32 U	0.35 U
Vanadium	mg/Kg	14.1	36.4		11	14.8	18.5	15.4	13.5	33.1	21.7
Zinc	mg/Kg	53.8	155		42.6	40.7 J	51.7 J	28.9 J	26 J	77.8	41.4
Cyanide	mg/Kg	0.48 U	0.8 U		0.49 U	0.53 UJ	0.53 UJ	0.54 UJ	0.54 UJ	0.6 U	0.53 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	89.1	61.4		89.8	91	86	88.8	88.7	76.8	89.6

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-12	SEAD-12	SEAD-12	SEAD-12	SEAD-12	SEAD-12
	DEPTH (FEET)	8-9.5	0-0.2	4-6	4-6	12-13.5	18-21
	SAMPLE DATE	06/10/94	06/13/94	06/13/94	06/13/94	06/13/94	06/29/94
	ES ID	MW12A-1-05	MW12B-1-00	MW12B-1-03	MW12B-1-20	MW12B-1-07	SB12B-1
	LAB ID	223688	224233	224234	224236	224235	225902
	SDG NUMBER	44725	44799	44799	44799	44799	45062
COMPOUND	UNITS				MW12B-1-03DUP		
VOLATILE ORGANICS							
Chloromethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Bromomethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Vinyl Chloride	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Chloroethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Methylene Chloride	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Acetone	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Carbon Disulfide	ug/Kg	11 U	11 U	11 U	11 U	11 U	1 J
1,1-Dichloroethene	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
1,1-Dichloroethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
1,2-Dichloroethene (total)	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Chloroform	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
1,2-Dichloroethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
2-Butanone	ug/Kg	11 U	11 U	11 U	11 U	11 U	3 J
1,1,1-Trichloroethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Carbon Tetrachloride	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Bromodichloromethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
1,2-Dichloropropane	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
cis-1,3-Dichloropropene	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Trichloroethene	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Dibromochloromethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
1,1,2-Trichloroethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Benzene	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
trans-1,3-Dichloropropene	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Bromoform	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
4-Methyl-2-Pentanone	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
2-Hexanone	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Tetrachloroethene	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Toluene	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Chlorobenzene	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Ethylbenzene	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Styrene	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
Xylene (total)	ug/Kg	11 U	11 U	11 U	11 U	11 U	11 U
HERBICIDES							
2,4-D	ug/Kg						
2,4-DB	ug/Kg						
2,4,5-T	ug/Kg						
2,4,5-TP (Silvex)	ug/Kg						
Dalapon	ug/Kg						
Dicamba	ug/Kg						
Dichloroprop	ug/Kg						
Dinoseb	ug/Kg						
MCPA	ug/Kg						
MCPP	ug/Kg						
NITROAROMATICS							
HMX	ug/Kg						
RDX	ug/Kg						
1,3,5-Trinitrobenzene	ug/Kg						
1,3-Dinitrobenzene	ug/Kg						
Tetryl	ug/Kg						
2,4,6-Trinitrotoluene	ug/Kg						
4-amino-2,6-Dinitrotoluene	ug/Kg						
2-amino-4,6-Dinitrotoluene	ug/Kg						
2,6-Dinitrotoluene	ug/Kg						
2,4-Dinitrotoluene	ug/Kg						

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-12	SEAD-12	SEAD-12	SEAD-12	SEAD-12	SEAD-12
	DEPTH (FEET)	8-9.5	0-0.2	4-6	4-6	12-13.5	18-21
	SAMPLE DATE	06/10/94	06/13/94	06/13/94	06/13/94	06/13/94	06/29/94
	ES ID	MW12A-1-05	MW12B-1-00	MW12B-1-03	MW12B-1-20	MW12B-1-07	SB12B-1
	LAB ID	223888	224233	224234	224236	224235	225902
	SDG NUMBER	44725	44799	44799	44799	44799	45062
COMPOUND	UNITS				MW12B-1-03DUP		
SEMIVOLATILE ORGANICS							
Phenol	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
bis(2-Chloroethyl) ether	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
2-Chlorophenol	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
1,3-Dichlorobenzene	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
1,4-Dichlorobenzene	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
1,2-Dichlorobenzene	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
2-Methylphenol	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
4-Methylphenol	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
N-Nitroso-di-n-propylamine	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
Hexachloroethane	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
Nitrobenzene	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
Isophorone	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
2-Nitrophenol	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
2,4-Dimethylphenol	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
bis(2-Chloroethoxy) methane	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
2,4-Dichlorophenol	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
1,2,4-Trichlorobenzene	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
Naphthalene	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
4-Chloroaniline	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
Hexachlorobutadiene	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
4-Chloro-3-methylphenol	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
2-Methylnaphthalene	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
Hexachlorocyclopentadiene	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
2,4,6-Trichlorophenol	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
2,4,5-Trichlorophenol	ug/Kg	860 U	880 U	880 U	870 U	880 U	910 U
2-Chloronaphthalene	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
2-Nitroaniline	ug/Kg	860 U	880 U	880 U	870 U	880 U	910 U
Dimethylphthalate	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
Acenaphthylene	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
2,6-Dinitrotoluene	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
3-Nitroaniline	ug/Kg	860 U	880 U	880 U	870 U	880 U	910 U
Acenaphthene	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
2,4-Dinitrophenol	ug/Kg	860 U	880 U	880 U	870 U	880 U	910 U
4-Nitrophenol	ug/Kg	860 U	880 U	880 U	870 U	880 U	910 U
Dibenzofuran	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
2,4-Dinitrotoluene	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
Diethylphthalate	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
4-Chlorophenyl-phenylether	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
Fluorene	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
4-Nitroaniline	ug/Kg	860 U	880 U	880 U	870 U	880 U	910 U
4,6-Dinitro-2-methylphenol	ug/Kg	860 U	880 U	880 U	870 U	880 U	910 U
N-Nitrosodiphenylamine	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
4-Bromophenyl-phenylether	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
Hexachlorobenzene	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
Pentachlorophenol	ug/Kg	860 U	880 U	880 U	870 U	880 U	910 U
Phenanthrene	ug/Kg	350 U	34 J	360 U	360 U	360 U	380 U
Anthracene	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
Carbazole	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
Di-n-butylphthalate	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
Fluoranthene	ug/Kg	350 U	64 J	360 U	360 U	360 U	380 U
Pyrene	ug/Kg	350 U	51 J	360 U	360 U	360 U	380 U
Butylbenzylphthalate	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
3,3'-Dichlorobenzidine	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
Benzo(a)anthracene	ug/Kg	350 U	26 J	360 U	360 U	360 U	380 U
Chrysene	ug/Kg	350 U	32 J	360 U	360 U	360 U	380 U
bis(2-Ethylhexyl)phthalate	ug/Kg	350 U	360 U	360 U	45 J	83 J	380 U
Di-n-octylphthalate	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
Benzo(b)fluoranthene	ug/Kg	350 U	34 J	360 U	360 U	360 U	380 U
Benzo(k)fluoranthene	ug/Kg	350 U	20 J	360 U	360 U	360 U	380 U
Benzo(a)pyrene	ug/Kg	350 U	20 J	360 U	360 U	360 U	380 U
Indeno(1,2,3-cd)pyrene	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
Dibenz(a,h)anthracene	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U
Benzo(g,h,i)perylene	ug/Kg	350 U	360 U	360 U	360 U	360 U	380 U

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-12	SEAD-12	SEAD-12	SEAD-12	SEAD-12	SEAD-12
	DEPTH (FEET)	8-9.5	0-0.2	4-6	4-6	12-13.5	18-21
	SAMPLE DATE	06/10/94	06/13/94	06/13/94	06/13/94	06/13/94	06/29/94
	ES ID	MW12A-1-05	MW12B-1-00	MW12B-1-03	MW12B-1-20	MW12B-1-07	SB12B-1
	LAB ID	223888	224233	224234	224236	224235	225902
	SDG NUMBER	44725	44799	44799	44799	44799	45062
COMPOUND	UNITS				MW12B-1-03DUP		
PESTICIDES/PCB							
alpha-BHC	ug/Kg	1.8 U	1.9 U	1.9 U	1.8 U	1.9 U	2 U
beta-BHC	ug/Kg	1.8 U	1.9 U	1.9 U	1.8 U	1.9 U	2 U
delta-BHC	ug/Kg	1.8 U	1.9 U	1.9 U	1.8 U	1.9 U	2 U
gamma-BHC (Lindane)	ug/Kg	1.8 U	1.9 U	1.9 U	1.8 U	1.9 U	2 U
Heptachlor	ug/Kg	1.8 U	1.9 U	1.9 U	1.8 U	1.9 U	2 U
Aldrin	ug/Kg	1.8 U	1.9 U	1.9 U	1.8 U	1.9 U	2 U
Heptachlor epoxide	ug/Kg	1.8 U	1.9 U	1.9 U	1.8 U	1.9 U	2 U
Endosulfan I	ug/Kg	1.8 U	1.9 U	1.9 U	1.8 U	1.9 U	2 U
Dieldrin	ug/Kg	3.5 U	3.6 U	3.6 U	3.6 U	3.6 U	3.8 U
4,4'-DDE	ug/Kg	3.5 U	2 J	3.6 U	3.6 U	3.6 U	3.8 U
Endrin	ug/Kg	3.5 U	3.6 U	3.6 U	3.6 U	3.6 U	3.8 U
Endosulfan II	ug/Kg	3.5 U	3.6 U	3.6 U	3.6 U	3.6 U	3.8 U
4,4'-DDD	ug/Kg	3.5 U	3.6 U	3.6 U	3.6 U	3.6 U	3.8 U
Endosulfan sulfate	ug/Kg	3.5 U	3.6 U	3.6 U	3.6 U	3.6 U	3.8 U
4,4'-DDT	ug/Kg	3.5 U	3.6 U	3.6 U	3.6 U	3.6 U	3.8 U
Methoxychlor	ug/Kg	18 U	19 U	19 U	18 U	19 U	20 U
Endrin ketone	ug/Kg	3.5 U	3.6 U	3.6 U	3.6 U	3.6 U	3.8 U
Endrin aldehyde	ug/Kg	3.5 U	3.6 U	3.6 U	3.6 U	3.6 U	3.8 U
alpha-Chlordane	ug/Kg	1.8 U	1.9 U	1.9 U	1.8 U	1.9 U	2 U
gamma-Chlordane	ug/Kg	1.8 U	1.9 U	1.9 U	1.8 U	1.9 U	2 U
Toxaphene	ug/Kg	180 U	190 U	190 U	180 U	190 U	200 U
Aroclor-1016	ug/Kg	35 U	36 U	36 U	36 U	36 U	38 U
Aroclor-1221	ug/Kg	72 U	74 U	74 U	73 U	74 U	77 U
Aroclor-1232	ug/Kg	35 U	36 U	36 U	36 U	36 U	38 U
Aroclor-1242	ug/Kg	35 U	17 J	16 J	36 U	36 U	38 U
Aroclor-1248	ug/Kg	35 U	36 U	36 U	36 U	36 U	38 U
Aroclor-1254	ug/Kg	35 U	36 U	36 U	36 U	36 U	38 U
Aroclor-1260	ug/Kg	35 U	36 U	36 U	36 U	36 U	38 U
METALS							
Aluminum	mg/Kg	12400	10800	8060	7510	5940	9050 J
Antimony	mg/Kg	0.2 UJ	0.23 UJ	0.2 UJ	0.25 UJ	0.26 UJ	0.26 UJ
Arsenic	mg/Kg	3.6	6.6	4.6	4.6	2.9	1.9 J
Barium	mg/Kg	78.3	102	89.1	88.3	43.8	138 J
Beryllium	mg/Kg	0.58 J	0.53 J	0.4 J	0.38 J	0.27 J	0.44 J
Cadmium	mg/Kg	0.85	0.63 J	0.52 J	0.46 J	0.32 J	0.29 J
Calcium	mg/Kg	70300	45900	74200	79400	51100	83400 J
Chromium	mg/Kg	19.7	16	12.7	12.6	12	13.8 J
Cobalt	mg/Kg	10.8	9.2	8.3	8.6 J	5.2 J	4.6 J
Copper	mg/Kg	29.6	30.4	22.5	20.3	17.3	15.6 J
Iron	mg/Kg	22600	23400	17200	17000	13500	14100 J
Lead	mg/Kg	10.8	17.1	10.3	8.4	7.3	7.5
Magnesium	mg/Kg	12000	11400	16300	16000	8320	12200 J
Manganese	mg/Kg	409	418	369	388	244	366 J
Mercury	mg/Kg	0.03 J	0.04 J	0.5	0.11	0.03 J	0.03 J
Nickel	mg/Kg	35.5	28	23.5	23.6	19	18.2 J
Potassium	mg/Kg	2910 J	1870 J	1660 J	1390 J	1040 J	1650 J
Selenium	mg/Kg	0.41 U	1.3	0.72 J	0.54 J	2.1	0.53 U
Silver	mg/Kg	0.08 U	0.09 U	0.08 U	0.1 U	0.1 U	0.1 U
Sodium	mg/Kg	136 J	76.2 J	135 J	120 J	77.3 J	115 J
Thallium	mg/Kg	0.29 U	0.41 J	0.37 J	0.64 J	0.39 J	0.37 U
Vanadium	mg/Kg	20.2	20.9	13.8	13.2	11.5	13.5 J
Zinc	mg/Kg	82.1	62.7	50.5	46.9	36.2	46.7 J
Cyanide	mg/Kg	0.43 U	0.5 U	0.47 U	0.46 U	0.47 U	0.41 U
OTHER ANALYSES							
Nitrate/Nitrite-Nitrogen	mg/Kg						
Total Petroleum Hydrocarbons	mg/Kg						
Total Solids	%W/W	93	91.4	90.6	92.3	90.9	87.1

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

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

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

	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SEAD-12	SEAD-12	SEAD-12	SEAD-12	SEAD-12	SEAD-12
	SAMPLE DATE	07/20/94	07/20/94	07/20/94	07/19/94	07/19/94	07/19/94
	ES ID	MW12A-1	MW12A-2	MW12A-3	MW12B-1	MW12B-2	MW12B-3
	LAB ID	227608	227609	227610	227442	227443	227444
	SDG NUMBER	45448	45448	45448	45332	45332	45332
COMPOUND	UNITS						
SEMIVOLATILE ORGANICS							
Phenol	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
bis(2-Chloroethyl) ether	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
2-Chlorophenol	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
1,3-Dichlorobenzene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
1,4-Dichlorobenzene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
1,2-Dichlorobenzene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
2-Methylphenol	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
4-Methylphenol	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
N-Nitroso-di-n-propylamine	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Hexachloroethane	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Nitrobenzene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Isophorone	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
2-Nitrophenol	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
2,4-Dimethylphenol	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
bis(2-Chloroethoxy) methane	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
2,4-Dichlorophenol	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
1,2,4-Trichlorobenzene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Naphthalene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
4-Chloroaniline	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Hexachlorobutadiene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
4-Chloro-3-methylphenol	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
2-Methylnaphthalene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Hexachlorocyclopentadiene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
2,4,6-Trichlorophenol	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
2,4,5-Trichlorophenol	ug/L	26 U	26 U	29 U	28 U	27 U	26 U
2-Chloronaphthalene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
2-Nitroaniline	ug/L	26 U	26 U	29 U	28 U	27 U	26 U
Dimethylphthalate	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Acenaphthylene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
2,6-Dinitrotoluene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
3-Nitroaniline	ug/L	26 U	26 U	29 U	28 U	27 U	26 U
Acenaphthene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
2,4-Dinitrophenol	ug/L	26 U	26 U	29 U	28 U	27 U	26 U
4-Nitrophenol	ug/L	26 U	26 U	29 U	28 U	27 U	26 U
Dibenzofuran	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
2,4-Dinitrotoluene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Diethylphthalate	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
4-Chlorophenyl-phenylether	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Fluorene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
4-Nitroaniline	ug/L	26 U	26 U	29 U	28 U	27 U	26 U
4,6-Dinitro-2-methylphenol	ug/L	26 U	26 U	29 U	28 U	27 U	26 U
N-Nitrosodiphenylamine	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
4-Bromophenyl-phenylether	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Hexachlorobenzene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Pentachlorophenol	ug/L	26 U	26 U	29 U	28 U	27 U	26 U
Phenanthrene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Anthracene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Carbazole	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Di-n-butylphthalate	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Fluoranthene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Pyrene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Butylbenzylphthalate	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
3,3'-Dichlorobenzidine	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Benzo(a)anthracene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Chrysene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Di-n-octylphthalate	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Benzo(b)fluoranthene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Benzo(k)fluoranthene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Benzo(a)pyrene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Dibenz(a,h)anthracene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Benzo(g,h,i)perylene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U

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

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SEAD-12	SEAD-12	SEAD-12	SEAD-12	SEAD-12	SEAD-12
	SAMPLE DATE	07/20/94	07/20/94	07/20/94	07/19/94	07/19/94	07/19/94
	ES ID	MW12A-1	MW12A-2	MW12A-3	MW12B-1	MW12B-2	MW12B-3
	LAB ID	227608	227609	227610	227442	227443	227444
	SDG NUMBER	45448	45448	45448	45332	45332	45332
	UNITS						
PESTICIDES/PCB							
alpha-BHC	ug/L	0.052 U	0.054 U	0.054 U	0.058 U	0.058 U	0.056 U
beta-BHC	ug/L	0.052 U	0.054 U	0.054 U	0.058 U	0.058 U	0.056 U
delta-BHC	ug/L	0.052 U	0.054 U	0.054 U	0.058 U	0.058 U	0.056 U
gamma-BHC (Lindane)	ug/L	0.052 U	0.054 U	0.054 U	0.058 U	0.058 U	0.056 U
Heptachlor	ug/L	0.052 U	0.054 U	0.054 U	0.058 U	0.058 U	0.056 U
Aldrin	ug/L	0.052 U	0.054 U	0.054 U	0.058 U	0.058 U	0.056 U
Heptachlor epoxide	ug/L	0.052 U	0.054 U	0.054 U	0.058 U	0.058 U	0.056 U
Endosulfan I	ug/L	0.052 U	0.054 U	0.054 U	0.058 U	0.058 U	0.056 U
Dieldrin	ug/L	0.1 U	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U
4,4'-DDE	ug/L	0.1 U	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U
Endrin	ug/L	0.1 U	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U
Endosulfan II	ug/L	0.1 U	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U
4,4'-DDD	ug/L	0.1 U	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U
Endosulfan sulfate	ug/L	0.1 U	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U
4,4'-DDT	ug/L	0.1 U	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U
Methoxychlor	ug/L	0.52 U	0.54 U	0.54 U	0.58 U	0.58 U	0.56 U
Endrin ketone	ug/L	0.1 U	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U
Endrin aldehyde	ug/L	0.1 U	0.11 U	0.11 U	0.12 U	0.12 U	0.11 U
alpha-Chlordane	ug/L	0.052 U	0.054 U	0.054 U	0.058 U	0.058 U	0.056 U
gamma-Chlordane	ug/L	0.052 U	0.054 U	0.054 U	0.058 U	0.058 U	0.056 U
Toxaphene	ug/L	5.2 U	5.4 U	5.4 U	5.8 U	5.8 U	5.6 U
Aroclor-1016	ug/L	1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U
Aroclor-1221	ug/L	2.1 U	2.1 U	2.2 U	2.3 U	2.3 U	2.2 U
Aroclor-1232	ug/L	1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U
Aroclor-1242	ug/L	1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U
Aroclor-1248	ug/L	1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U
Aroclor-1254	ug/L	1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U
Aroclor-1260	ug/L	1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U
METALS							
Aluminum	ug/L	5840	2910	1040	4860 J	9880 J	6940 J
Antimony	ug/L	1.3 U	1.3 U	1.3 U	1.4 J	1.3 U	1.3 U
Arsenic	ug/L	2 U	2 U	2 U	3.2 J	3 J	2 U
Barium	ug/L	94.2 J	79.1 J	146 J	102 J	171 J	189 J
Beryllium	ug/L	0.1 U	0.1 U	0.1 U	0.21 J	0.71 J	0.41 J
Cadmium	ug/L	0.2 U	0.2 U	0.2 U	0.2 U	0.26 J	0.27 J
Calcium	ug/L	123000	108000	109000	183000	260000	169000
Chromium	ug/L	9.4 J	4.1 J	1.7 J	9.8 J	18.5	13.5
Cobalt	ug/L	6.2 J	2.4 J	1.1 J	8 J	15.2 J	12 J
Copper	ug/L	11.7 J	4.5 J	1.3 J	16.8 J	25.1	19 J
Iron	ug/L	9830 J	4030 J	2140 J	10500	20700	14700
Lead	ug/L	4.5	2 J	0.89 U	11	18.6	18.8
Magnesium	ug/L	32800	17500	29900	46800	71100	37900
Manganese	ug/L	223	237	77	536	800	522
Mercury	ug/L	0.08 J	0.05 J	0.06 J	0.08 J	0.05 J	0.05 J
Nickel	ug/L	17.3 J	6.9 J	2.6 J	24.4 J	38.8 J	32.5 J
Potassium	ug/L	4180 J	2470 J	4730 J	13000 J	5510 J	2900 J
Selenium	ug/L	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Silver	ug/L	0.5 U	0.7 J	0.5 U	2.7 J	0.59 J	0.62 J
Sodium	ug/L	9020	5120	8770	18500	16400	4510 J
Thallium	ug/L	1.9 U	1.9 U	1.9 U	2.8 J	1.9 U	5 J
Vanadium	ug/L	10 J	4.9 J	2.2 J	9.5 J	18.3 J	12.7 J
Zinc	ug/L	50.3	18.7 J	18.6 J	32.8	55.7	41.1
Cyanide	ug/L	5 UJ	5 UJ	5 UJ	5 U	5 U	5 U
OTHER ANALYSES							
Nitrate/Nitrite-Nitrogen	mg/L						
Total Petroleum Hydrocarbons	mg/L						
pH	Standard Units	7.9	7.4	7.1	5.6	6.9	8.2
Conductivity	umhos/cm	625	500	575	1100	875	1075
Temperature	°C	13.7	11.5	13.2	12.9	14	14.3
Turbidity	NTU	198	114	165	>1000	>1000	>1000

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

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

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

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

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

	MATRIX	WATER	WATER	WATER	WATER
	LOCATION	SEAD-12	SEAD-12	SEAD-12	SEAD-12
	SAMPLE DATE	06/24/94	06/24/94	06/11/94	06/11/94
	ES ID	SW12A-1	SW12A-20	SW12A-2	SW12A-3
	LAB ID	225429	225430	223898	223899
	SDG NUMBER	44745	44745	44745	44745
COMPOUND	UNITS		SW12A-1DUP		
PESTICIDES/PCB					
alpha-BHC	ug/L	0.052 U	0.051 U	0.054 U	0.052 U
beta-BHC	ug/L	0.052 U	0.051 U	0.054 U	0.052 U
delta-BHC	ug/L	0.052 U	0.051 U	0.054 U	0.052 U
gamma-BHC (Lindane)	ug/L	0.052 U	0.051 U	0.054 U	0.052 U
Heptachlor	ug/L	0.052 U	0.051 U	0.054 U	0.052 U
Aldrin	ug/L	0.052 U	0.051 U	0.054 U	0.052 U
Heptachlor epoxide	ug/L	0.052 U	0.051 U	0.054 U	0.052 U
Endosulfan I	ug/L	0.052 U	0.051 U	0.054 U	0.052 U
Dieldrin	ug/L	0.1 U	0.1 U	0.11 U	0.1 U
4,4'-DDE	ug/L	0.1 U	0.1 U	0.11 U	0.1 U
Endrin	ug/L	0.1 U	0.1 U	0.11 U	0.1 U
Endosulfan II	ug/L	0.1 U	0.1 U	0.11 U	0.1 U
4,4'-DDD	ug/L	0.1 U	0.1 U	0.11 U	0.1 U
Endosulfan sulfate	ug/L	0.1 U	0.1 U	0.11 U	0.1 U
4,4'-DDT	ug/L	0.1 U	0.1 U	0.11 U	0.1 U
Methoxychlor	ug/L	0.52 U	0.51 U	0.54 U	0.52 U
Endrin ketone	ug/L	0.1 U	0.1 U	0.11 U	0.1 U
Endrin aldehyde	ug/L	0.1 U	0.1 U	0.11 U	0.1 U
alpha-Chlordane	ug/L	0.052 U	0.051 U	0.054 U	0.052 U
gamma-Chlordane	ug/L	0.052 U	0.051 U	0.054 U	0.052 U
Toxaphene	ug/L	5.2 U	5.1 U	5.4 U	5.2 U
Aroclor-1016	ug/L	1 U	1 U	1.1 U	1 U
Aroclor-1221	ug/L	2.1 U	2 U	2.2 U	2.1 U
Aroclor-1232	ug/L	1 U	1 U	1.1 U	1 U
Aroclor-1242	ug/L	1 U	1 U	1.1 U	1 U
Aroclor-1248	ug/L	1 U	1 U	1.1 U	1 U
Aroclor-1254	ug/L	1 U	1 U	1.1 U	1 U
Aroclor-1260	ug/L	1 U	1 U	1.1 U	1 U
METALS					
Aluminum	ug/L	175 J	153 J	86.7 J	879
Antimony	ug/L	1.3 U	1.3 U	1.3 U	1.3 U
Arsenic	ug/L	2 U	2 U	2 U	2 U
Barium	ug/L	28.6 J	27.9 J	30.9 J	41.2 J
Beryllium	ug/L	0.1 U	0.1 U	0.1 U	0.1 U
Cadmium	ug/L	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	ug/L	85700	84600	77400	83700
Chromium	ug/L	0.89 J	0.85 J	0.56 J	1.5 J
Cobalt	ug/L	0.5 U	0.53 J	0.81 J	0.73 J
Copper	ug/L	1.2 J	1.2 J	1.6 J	2 J
Iron	ug/L	250	221	126	966
Lead	ug/L	0.9 U	0.89 U	0.9 U	0.89 U
Magnesium	ug/L	15000	14700	17600	18100
Manganese	ug/L	20.1	18.2	492	104
Mercury	ug/L	0.11 J	0.03 J	0.08 J	0.03 U
Nickel	ug/L	0.7 U	0.69 U	0.7 U	1.3 J
Potassium	ug/L	1610 J	1550 J	3360 J	1650 J
Selenium	ug/L	2.7 U	2.7 U	2.7 U	2.7 U
Silver	ug/L	0.5 U	0.57 J	0.58 J	0.5 U
Sodium	ug/L	7030	6830	70700	6940
Thallium	ug/L	1.9 U	1.9 U	2 J	1.9 U
Vanadium	ug/L	0.98 J	0.89 J	0.86 J	1.6 J
Zinc	ug/L	5.4 J	3.4 J	2.2 J	12.9 J
Cyanide	ug/L	5 U	5 U	5 U	5 U
OTHER ANALYSES					
Nitrate/Nitrite-Nitrogen	mg/L				
Total Petroleum Hydrocarbons	mg/L				
pH	Standard Units	7.9		6.8	5.6
Conductivity	umhos/cm	530		800	825
Temperature	°C	20.3		14	25
Turbidity	NTU	4.8		2.8	3.5

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

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

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

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

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-12	SEAD-12	SEAD-12	SEAD-12	SEAD-12
	DEPTH (FEET)	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
	SAMPLE DATE	06/22/94	06/22/94	06/11/94	06/11/94	06/11/94
	ES ID	SD12A-1	SD12A-20	SD12A-2	SD12A-3	SD12A-4
	LAB ID	225396	225397	223908	223909	223910
	SDG NUMBER	44799	44799	44748	44748	44748
COMPOUND	UNITS		SD12A-1DUP			
PESTICIDES/PCB						
alpha-BHC	ug/Kg	2.2 U	2.3 U	3.1 U	2.3 U	2 U
beta-BHC	ug/Kg	2.2 U	2.3 U	3.1 U	2.3 U	2 U
delta-BHC	ug/Kg	2.2 U	2.3 U	3.1 U	2.3 U	2 U
gamma-BHC (Lindane)	ug/Kg	2.2 U	2.3 U	3.1 U	2.3 U	2 U
Heptachlor	ug/Kg	2.2 U	2.3 U	3.1 U	2.3 U	2 U
Aldrin	ug/Kg	2.2 U	2.3 U	3.1 U	2.3 U	2 U
Heptachlor epoxide	ug/Kg	2.2 U	2.3 U	3.1 U	2.3 U	2 U
Endosulfan I	ug/Kg	2.2 U	2.3 U	3.1 U	2.3 U	2 U
Dieldrin	ug/Kg	4.3 U	4.5 U	6.1 U	4.5 U	4 U
4,4'-DDE	ug/Kg	4.3 U	4.5 U	6.1 U	4.5 U	4 U
Endrin	ug/Kg	4.3 U	4.5 U	6.1 U	4.5 U	4 U
Endosulfan II	ug/Kg	4.3 U	4.5 U	6.1 U	4.5 U	4 U
4,4'-DDD	ug/Kg	4.3 U	4.5 U	6.1 U	4.5 U	4 U
Endosulfan sulfate	ug/Kg	4.3 U	4.5 U	6.1 U	4.5 U	4 U
4,4'-DDT	ug/Kg	4.3 U	4.5 U	6.1 U	4.5 U	4 U
Methoxychlor	ug/Kg	22 U	23 U	31 U	23 U	20 U
Endrin ketone	ug/Kg	4.3 U	4.5 U	6.1 U	4.5 U	4 U
Endrin aldehyde	ug/Kg	4.3 U	4.5 U	6.1 U	4.5 U	4 U
alpha-Chlordane	ug/Kg	2.2 U	2.3 U	3.1 U	2.3 U	2 U
gamma-Chlordane	ug/Kg	2.2 U	2.3 U	3.1 U	2.3 U	2 U
Toxaphene	ug/Kg	220 U	230 U	310 U	230 U	200 U
Aroclor-1016	ug/Kg	43 U	45 U	61 U	45 U	40 U
Aroclor-1221	ug/Kg	87 U	91 U	120 U	92 U	81 U
Aroclor-1232	ug/Kg	43 U	45 U	61 U	45 U	40 U
Aroclor-1242	ug/Kg	43 U	45 U	61 U	45 U	40 U
Aroclor-1248	ug/Kg	43 U	45 U	61 U	45 U	40 U
Aroclor-1254	ug/Kg	43 U	45 U	61 U	45 U	40 U
Aroclor-1260	ug/Kg	43 U	45 U	61 U	45 U	40 U
METALS						
Aluminum	mg/Kg	17400	16600	11800	13600	11700
Antimony	mg/Kg	0.34 UJ	0.34 UJ	0.3 UJ	0.23 UJ	0.29 UJ
Arsenic	mg/Kg	8	15.8	4	5.8	4.1
Barium	mg/Kg	349	848	84.1	83.7	108
Beryllium	mg/Kg	1 J	1.2 J	0.62 J	0.66 J	0.54 J
Cadmium	mg/Kg	1.5	3.8	0.62 J	0.65 J	6.9
Calcium	mg/Kg	8060	5560	8630	18200	29800
Chromium	mg/Kg	25.2	26.3	19.1 J	22.2 J	18.9 J
Cobalt	mg/Kg	26.1	71.3	10.3 J	12.6	9.8 J
Copper	mg/Kg	14.1	17.5	29.7	28.9	22.3
Iron	mg/Kg	46900	76200	21800	30400	21600
Lead	mg/Kg	21.4	22.9	18.8 R	15.6 R	14.2 R
Magnesium	mg/Kg	5210	4450	4900	7620	6300
Manganese	mg/Kg	4200 J	13500 J	340	478	408
Mercury	mg/Kg	0.07	0.05 J	0.25	0.06 J	0.03 J
Nickel	mg/Kg	35.7	52.8	31.8	38.8	26
Potassium	mg/Kg	1810 J	1810 J	1450 J	1830 J	1490 J
Selenium	mg/Kg	3.3	4.3	0.82 J	0.89	0.63 J
Silver	mg/Kg	0.13 U	0.44 J	0.12 U	0.09 U	0.11 U
Sodium	mg/Kg	96.2 J	87.1 J	136 J	139 J	47.9 J
Thallium	mg/Kg	0.49 U	0.49 U	0.44 U	0.33 U	0.42 U
Vanadium	mg/Kg	31.7	40.1	21.7	23.7	20
Zinc	mg/Kg	158	170	172	147	222
Cyanide	mg/Kg	0.57 U	0.62 U	0.87 U	0.67 U	0.6 U
OTHER ANALYSES						
Nitrate/Nitrite-Nitrogen	mg/Kg					
Total Petroleum Hydrocarbons	mg/Kg					
Total Solids	%W/W	76.8	73.8	54.2	72.9	83.2

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

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

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

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

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

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

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

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

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

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

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

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

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43
	DEPTH (FEET)	0-0.2	0-0.2	4-5	14-16	14-16	0-0.2	4-6	10-12	10-12	0-0.2
	SAMPLE DATE	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	06/09/94
	ES ID	SB43-1-00	SB43-1-20	SB43-1-03	SB43-1-08	SB43-1-08RE	SB43-2-00	SB43-2-03	SB43-2-06	SB43-2-06RE	SB43-3-00
	LAB ID	223889	223893	223891	223892	223892	223682	223684	223685	223685	223686
	SDG NUMBER	44725	44725	44725	44725	44725	44694	44694	44694	44694	44694
COMPOUND	UNITS		SB43-1-00DUP								
VOLATILE ORGANICS											
Chloromethane	ug/Kg	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
Bromomethane	ug/Kg	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
Vinyl Chloride	ug/Kg	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
Chloroethane	ug/Kg	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
Methylene Chloride	ug/Kg	13 U	10 UJ	11 U	11 U R	10 J R	12 U	11 U	11 U R	11 U R	11 U
Acetone	ug/Kg	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	16 U R	21 U R	11 U
Carbon Disulfide	ug/Kg	13 U	10 UJ	11 U	11 U R	1 J R	12 U	11 U	11 U R	11 U R	11 U
1,1-Dichloroethene	ug/Kg	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
1,1-Dichloroethane	ug/Kg	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
1,2-Dichloroethene (total)	ug/Kg	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
Chloroform	ug/Kg	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
1,2-Dichloroethane	ug/Kg	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
2-Butanone	ug/Kg	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
1,1,1-Trichloroethane	ug/Kg	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
Carbon Tetrachloride	ug/Kg	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
Bromodichloromethane	ug/Kg	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
1,2-Dichloropropane	ug/Kg	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
cis-1,3-Dichloropropene	ug/Kg	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
Trichloroethene	ug/Kg	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
Dibromochloromethane	ug/Kg	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
1,1,2-Trichloroethane	ug/Kg	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
Benzene	ug/Kg	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
trans-1,3-Dichloropropene	ug/Kg	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
Bromoform	ug/Kg	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
4-Methyl-2-Pentanone	ug/Kg	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
2-Hexanone	ug/Kg	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
Tetrachloroethene	ug/Kg	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
Toluene	ug/Kg	13 U	10 UJ	11 U	11 U R	2 J R	12 U	11 U	11 U R	11 U R	11 U
Chlorobenzene	ug/Kg	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
Ethylbenzene	ug/Kg	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
Styrene	ug/Kg	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
Xylene (total)	ug/Kg	13 U	10 UJ	11 U	11 U R	11 U R	12 U	11 U	11 U R	11 U R	11 U
HERBICIDES											
2,4-D	ug/Kg	62 U	62 U	56 U	53 U		64 U	55 U	54 U		55 U
2,4-DB	ug/Kg	62 U	62 U	56 U	53 U		64 U	55 U	54 U		55 U
2,4,5-T	ug/Kg	6.2 U	12 J	5.6 U	5.3 U		6.4 U	5.5 U	5.4 U		5.5 U
2,4,5-TP (Silvex)	ug/Kg	6.2 U	6.2 U	5.6 U	5.3 U		6.4 U	5.5 U	5.4 U		5.5 U
Dalapon	ug/Kg	148 U	148 U	140 U	130 U		160 U	140 U	130 U		130 U
Dicamba	ug/Kg	6.2 U	11 J	5.6 U	5.3 U		6.4 U	5.5 U	5.4 U		5.5 U
Dichloroprop	ug/Kg	62 U	72 J	56 U	53 U		64 U	55 U	54 U		55 U
Dinoseb	ug/Kg	31 UJ	31 UJ	28 UJ	27 UJ		32 U	28 U	27 U		28 U
MCPA	ug/Kg	6200 U	6200 U	5600 U	5300 U		6400 U	5500 U	5400 U		5500 U
MCPP	ug/Kg	6200 U	7300 J	5600 U	5300 U		6400 U	5500 U	5400 U		7100
NITROAROMATICS											
HMX	ug/Kg	130 U	130 U	130 U	130 U		130 U	130 U	130 U		130 U
RDX	ug/Kg	130 U	130 U	130 U	130 U		130 U	130 U	130 U		130 U
1,3,5-Trinitrobenzene	ug/Kg	130 U	130 U	130 U	130 U		130 U	130 U	130 U		130 U
1,3-Dinitrobenzene	ug/Kg	130 U	130 U	130 U	130 U		130 U	130 U	130 U		130 U
Tetryl	ug/Kg	130 U	130 U	130 U	130 U		130 U	130 U	130 U		130 U
2,4,6-Trinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U		130 U	130 U	130 U		130 U
4-amino-2,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U		130 U	130 U	130 U		130 U
2-amino-4,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U		130 U	130 U	130 U		130 U
2,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U		130 U	130 U	130 U		130 U
2,4-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U		130 U	130 U	130 U		130 U

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43
	DEPTH (FEET)	0-0.2	0-0.2	4-5	14-16	14-16	0-0.2	4-6	10-12	10-12	0-0.2
	SAMPLE DATE	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	06/09/94
	ES ID	SB43-1-00	SB43-1-20	SB43-1-03	SB43-1-08	SB43-1-08RE	SB43-2-00	SB43-2-03	SB43-2-06	SB43-2-06RE	SB43-3-00
	LAB ID	223889	223893	223891	223892	223892	223682	223684	223685	223685	223686
	SDG NUMBER	44725	44725	44725	44725	44725	44694	44694	44694	44694	44694
COMPOUND	UNITS		SB43-1-00DUP								
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
bis(2-Chloroethyl) ether	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
2-Chlorophenol	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
1,3-Dichlorobenzene	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
1,4-Dichlorobenzene	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
1,2-Dichlorobenzene	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
2-Methylphenol	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
4-Methylphenol	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
N-Nitroso-di-n-propylamine	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
Hexachloroethane	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
Nitrobenzene	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
Isophorone	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
2-Nitrophenol	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
2,4-Dimethylphenol	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
bis(2-Chloroethoxy) methane	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
2,4-Dichlorophenol	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
1,2,4-Trichlorobenzene	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
Naphthalene	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
4-Chloroaniline	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
Hexachlorobutadiene	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
4-Chloro-3-methylphenol	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
2-Methylnaphthalene	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
Hexachlorocyclopentadiene	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
2,4,6-Trichlorophenol	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
2,4,5-Trichlorophenol	ug/Kg	990 U	1000 U	890 U	850 U		1000 U	870 U	850 U		870 U
2-Chloronaphthalene	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
2-Nitroaniline	ug/Kg	990 U	1000 U	890 U	850 U		1000 U	870 U	850 U		870 U
Dimethylphthalate	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
Acenaphthylene	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
2,6-Dinitrotoluene	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
3-Nitroaniline	ug/Kg	990 U	1000 U	890 U	850 U		1000 U	870 U	850 U		870 U
Acenaphthene	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
2,4-Dinitrophenol	ug/Kg	990 U	1000 U	890 U	850 U		1000 U	870 U	850 U		870 U
4-Nitrophenol	ug/Kg	990 U	1000 U	890 U	850 U		1000 U	870 U	850 U		870 U
Dibenzofuran	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
2,4-Dinitrotoluene	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
Diethylphthalate	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
4-Chlorophenyl-phenylether	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
Fluorene	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
4-Nitroaniline	ug/Kg	990 U	1000 U	890 U	850 U		1000 U	870 U	850 U		870 U
4,6-Dinitro-2-methylphenol	ug/Kg	990 U	1000 U	890 U	850 U		1000 U	870 U	850 U		870 U
N-Nitrosodiphenylamine	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
4-Bromophenyl-phenylether	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
Hexachlorobenzene	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
Pentachlorophenol	ug/Kg	990 U	1000 U	890 U	850 U		1000 U	870 U	850 U		870 U
Phenanthrene	ug/Kg	410 U	410 U	370 U	350 U		27 J	360 U	350 U		140 J
Anthracene	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		35 J
Carbazole	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		20 J
Di-n-butylphthalate	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
Fluoranthene	ug/Kg	410 U	410 U	370 U	350 U		42 J	360 U	350 U		240 J
Pyrene	ug/Kg	410 U	410 U	370 U	350 U		45 J	360 U	350 U		230 J
Butylbenzylphthalate	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
3,3'-Dichlorobenzidine	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
Benzo(a)anthracene	ug/Kg	410 U	410 U	370 U	350 U		22 J	360 U	350 U		110 J
Chrysene	ug/Kg	410 U	410 U	370 U	350 U		25 J	360 U	350 U		120 J
bis(2-Ethylhexyl)phthalate	ug/Kg	82 J	510 J	370 U	70 J		53 J	50 J	29 J		530
Di-n-octylphthalate	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		360 U
Benzo(b)fluoranthene	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		100 J
Benzo(k)fluoranthene	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		86 J
Benzo(a)pyrene	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		96 J
Indeno(1,2,3-cd)pyrene	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		75 J
Dibenz(a,h)anthracene	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		33 J
Benzo(g,h,i)perylene	ug/Kg	410 U	410 U	370 U	350 U		420 U	360 U	350 U		88 J

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43
	DEPTH (FEET)	0-0.2	0-0.2	4-5	14-16	14-16	0-0.2	4-6	10-12	10-12	0-0.2
	SAMPLE DATE	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	06/09/94
	ES ID	SB43-1-00	SB43-1-20	SB43-1-03	SB43-1-08	SB43-1-08RE	SB43-2-00	SB43-2-03	SB43-2-06	SB43-2-06RE	SB43-3-00
	LAB ID	223689	223693	223691	223692	223692	223682	223684	223685	223685	223686
	SDG NUMBER	44725	44725	44725	44725	44725	44694	44694	44694	44694	44694
COMPOUND	UNITS		SB43-1-00DUP								
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2.1 U	2.1 U	1.9 U	1.8 U		2.2 U	1.8 U	1.8 U		1.8 U
beta-BHC	ug/Kg	2.1 U	2.1 U	1.9 U	1.8 U		2.2 U	1.8 U	1.8 U		1.8 U
delta-BHC	ug/Kg	2.1 U	2.1 U	1.9 U	1.8 U		2.2 U	1.8 U	1.8 U		1.8 U
gamma-BHC (Lindane)	ug/Kg	2.1 U	2.1 U	1.9 U	1.8 U		2.2 U	1.8 U	1.8 U		1.8 U
Heptachlor	ug/Kg	2.1 U	2.1 U	1.9 U	1.8 U		2.2 U	1.8 U	1.8 U		1.8 U
Aldrin	ug/Kg	2.1 U	2.1 U	1.9 U	1.8 U		2.2 U	1.8 U	1.8 U		1.8 U
Heptachlor epoxide	ug/Kg	2.1 U	2.1 U	1.9 U	1.8 U		2.2 U	1.8 U	1.8 U		1.8 U
Endosulfan I	ug/Kg	2.1 U	2.1 U	1.9 U	1.8 U		2.2 U	1.8 U	1.8 U		1.2 J
Dieldrin	ug/Kg	4.1 U	4.1 U	3.7 U	3.5 U		4.2 U	3.6 U	3.5 U		3.6 U
4,4'-DDE	ug/Kg	4.1 U	4.1 U	3.7 U	3.5 U		4.2 U	3.6 U	3.5 U		3.6 U
Endrin	ug/Kg	4.1 U	4.1 U	3.7 U	3.5 U		4.2 U	3.6 U	3.5 U		3.6 U
Endosulfan II	ug/Kg	4.1 U	4.1 U	3.7 U	3.5 U		4.2 U	3.6 U	3.5 U		3.6 U
4,4'-DDD	ug/Kg	4.1 U	4.1 U	3.7 U	3.5 U		4.2 U	3.6 U	3.5 U		3.6 U
Endosulfan sulfate	ug/Kg	4.1 U	4.1 U	3.7 U	3.5 U		4.2 U	3.6 U	3.5 U		3.6 U
4,4'-DDT	ug/Kg	4.1 U	4.1 U	3.7 U	3.5 U		4.2 U	3.6 U	3.5 U		3.6 U
Methoxychlor	ug/Kg	21 U	21 U	19 U	18 U		22 U	18 U	18 U		18 U
Endrin ketone	ug/Kg	4.1 U	4.1 U	3.7 U	3.5 U		4.2 U	3.6 U	3.5 U		3.6 U
Endrin aldehyde	ug/Kg	4.1 U	4.1 U	3.7 U	3.5 U		4.2 U	3.6 U	3.5 U		3.6 U
alpha-Chlordane	ug/Kg	2.1 U	2.1 U	1.9 U	1.8 U		2.2 U	1.8 U	1.8 U		1.8 U
gamma-Chlordane	ug/Kg	2.1 U	2.1 U	1.9 U	1.8 U		2.2 U	1.8 U	1.8 U		1.8 U
Toxaphene	ug/Kg	210 U	210 U	190 U	180 U		220 U	180 U	180 U		180 U
Aroclor-1016	ug/Kg	41 U	41 U	37 U	35 U		42 U	36 U	35 U		36 U
Aroclor-1221	ug/Kg	83 U	84 U	74 U	71 U		85 U	73 U	71 U		73 U
Aroclor-1232	ug/Kg	41 U	41 U	37 U	35 U		42 U	36 U	35 U		36 U
Aroclor-1242	ug/Kg	41 U	41 U	37 U	35 U		42 U	36 U	35 U		36 U
Aroclor-1248	ug/Kg	41 U	41 U	37 U	35 U		42 U	36 U	35 U		36 U
Aroclor-1254	ug/Kg	41 U	41 U	37 U	35 U		42 U	36 U	35 U		36 U
Aroclor-1260	ug/Kg	41 U	41 U	37 U	35 U		42 U	36 U	35 U		36 U
METALS											
Aluminum	mg/Kg	20800	15700	8620	16200		14700 J	11600 J	12600 J		10900 J
Antimony	mg/Kg	0.23 UJ	0.26 UJ	0.19 UJ	0.21 UJ		0.32 UJ	0.24 J	0.23 UJ		0.24 J
Arsenic	mg/Kg	6.1	5.4	3.9	6.2		6.1	5.4	5.5		5.3
Barium	mg/Kg	145	112	46	54.8		104 J	72.1 J	70.9 J		60.3 J
Beryllium	mg/Kg	0.86 J	0.77 J	0.41 J	0.73 J		0.69 J	0.52 J	0.58 J		0.44 J
Cadmium	mg/Kg	0.96	0.85 J	0.91	0.98		0.68 J	0.71 J	0.64 J		0.58 J
Calcium	mg/Kg	8980	7830	67800	48900		11800 J	69200 J	77400 J		41900 J
Chromium	mg/Kg	26.2	21.6	13.3	25.7		21.2 J	18.5 J	20.5 J		15.7 J
Cobalt	mg/Kg	10.9	9 J	7.2 J	13.1		9.3 J	10.2 J	10.8 J		8.2 J
Copper	mg/Kg	21.8	21.4	24.5	24.7		21 J	22.6 J	20.3 J		23.6 J
Iron	mg/Kg	26800	25400	17200	30900		26800 J	23000 J	24900 J		19200 J
Lead	mg/Kg	19.2	18.6	7.6	6.8		19.8	8.2	8.8		19.1
Magnesium	mg/Kg	5440	5400	17600	11500		6080 J	18500 J	12700 J		20000 J
Manganese	mg/Kg	782	502	387	510		546 J	416 J	493 J		593 J
Mercury	mg/Kg	0.06 J	0.07 J	0.01 J	0.02 J		0.06 J R	0.03 J	0.03 J		0.08 J R
Nickel	mg/Kg	28.1	26.2	22.6	41.5		26.7 J	31.6 J	33.3 J		20.6 J
Potassium	mg/Kg	3560 J	2050 J	2000 J	2670 J		2060	2160	2630		2550
Selenium	mg/Kg	1.1	0.85 J	0.39 U	0.54 J		1.3	0.43 U	0.47 U		0.48 J
Silver	mg/Kg	0.09 U	0.1 U	0.07 U	0.08 U		0.12 UJ	0.08 UJ	0.09 UJ		0.09 UJ
Sodium	mg/Kg	17.8 U	19.6 U	88.3 J	136 J		24.8 U	101 J	151 J		27.5 J
Thallium	mg/Kg	0.34 U	0.37 U	0.28 U	0.31 U		0.47 U	0.3 U	0.33 U		0.33 U
Vanadium	mg/Kg	36.7	27	17.6	23.8		27 J	18.8 J	20.1 J		21.1 J
Zinc	mg/Kg	98.6	92	116	122		91.1 J	94.7 J	59.9 J		121 J
Cyanide	mg/Kg	0.58 U	0.58 U	0.56 U	0.48 U		0.58 U	0.48 U	0.34 U		0.45 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg	0.94 J	0.22 J	0.26	0.04 U		0.01 U	0.03	0.01 U		0.08
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	80.7	80.5	89.6	94		78.6	91.6	94.4		92

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-56	SEAD-56	SEAD-56
	DEPTH (FEET)	2-4	4-5.5	1.0-1.5	2-4	2-4	1.0-1.2	1.0-1.2	0-0.2	4-6	12-13
	SAMPLE DATE	06/09/94	06/09/94	02/17/94	02/17/94	02/17/94	02/18/94	02/18/94	05/23/94	05/23/94	05/23/94
	ES ID	SB43-3-02	SB43-3-03	SB43-4.01	SB43-4.02	SB43-4.20	SB43-4.07	SB43-4.07RE	SB56-1-00	SB56-1-03	SB56-1-07
	LAB ID	223687	223688	211724	211725	211727	211726	211726	222124	222125	222126
	SDG NUMBER	44694	44694	42460	42460	42460	42460	42460	44090	44090	44090
COMPOUND	UNITS					SB43-4.02DUP					
VOLATILE ORGANICS											
Chloromethane	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 U	11 UJ
Bromomethane	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 U	11 UJ
Vinyl Chloride	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 U	11 UJ
Chloroethane	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 U	11 UJ
Methylene Chloride	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 U	4 J
Acetone	ug/Kg	13 U	11 U	15 U	12 U	12 U	52 U R	20 UJ	11 U	19 U	16 UJ
Carbon Disulfide	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 U	11 UJ
1,1-Dichloroethene	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 U	11 UJ
1,1-Dichloroethane	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 U	11 UJ
1,2-Dichloroethene (total)	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 U	11 UJ
Chloroform	ug/Kg	13 U	11 U	3 J	4 J	4 J	11 U R	11 UJ	11 U	11 U	11 UJ
1,2-Dichloroethane	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 U	11 UJ
2-Butanone	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 U	11 UJ
1,1,1-Trichloroethane	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 U	11 UJ
Carbon Tetrachloride	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 U	11 UJ
Bromodichloromethane	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 U	11 UJ
1,2-Dichloropropane	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 U	11 UJ
cis-1,3-Dichloropropene	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 U	11 UJ
Trichloroethene	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 U	11 UJ
Dibromochloromethane	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 U	11 UJ
1,1,2-Trichloroethane	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 U	11 UJ
Benzene	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 U	11 UJ
trans-1,3-Dichloropropene	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 U	11 UJ
Bromoform	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 U	11 UJ
4-Methyl-2-Pentanone	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 U	11 UJ
2-Hexanone	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 U	11 UJ
Tetrachloroethene	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 U	11 UJ
1,1,2,2-Tetrachloroethane	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 U	11 UJ
Toluene	ug/Kg	13 U	11 U	3 J	12 U	12 U	11 J	11 J	11 U	11 U	2 J
Chlorobenzene	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 U	11 UJ
Ethylbenzene	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 U	11 UJ
Styrene	ug/Kg	13 U	11 U	11 U	12 U	12 U	11 U R	11 UJ	11 U	11 U	11 UJ
Xylene (total)	ug/Kg	13 U	11 U	4 J	12 U	12 U	12 J	12 J	11 U	11 U	11 UJ
HERBICIDES											
2,4-D	ug/Kg	60 U	55 U	59 U	61 U	61 U	54 U		65 U	56 U	53 U
2,4-DB	ug/Kg	60 U	55 U	59 U	61 U	61 U	54 U		65 U	56 U	53 U
2,4,5-T	ug/Kg	6 U	5.5 U	5.9 U	6.1 U	6.1 U	5.4 U		6.5 U	5.6 U	5.3 U
2,4,5-TP (Silvex)	ug/Kg	6 U	5.5 U	5.9 U	6.1 U	6.1 U	5.4 U		6.5 U	5.6 U	5.3 U
Dalapon	ug/Kg	143 U	140 U	150 U	150 U	150 U	130 U		160 U	140 U	130 U
Dicamba	ug/Kg	6 U	5.5 U	5.9 U	6.1 U	6.1 U	5.4 U		6.5 U	5.6 U	5.3 U
Dichloroprop	ug/Kg	60 U	55 U	59 U	61 U	61 U	54 U		65 U	56 U	53 U
Dinoseb	ug/Kg	30 U	28 U	30 U	31 U	31 U	27 U		33 U	28 U	27 U
MCPA	ug/Kg	6000 U	5500 U	5900 U	6100 U	6100 U	5400 U		6500 U	5600 U	5300 U
MCPP	ug/Kg	7700	5500 U	5900 U	6100 U	6100 U	5400 U		6500 U	5600 U	5300 U
NITROAROMATICS											
HMX	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U		130 U	130 U	130 U
RDX	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U		130 U	130 U	130 U
1,3,5-Trinitrobenzene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U		130 U	130 U	130 U
1,3-Dinitrobenzene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U		130 U	130 U	130 U
Tetryl	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U		130 U	130 U	130 U
2,4,6-Trinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U		130 U	130 U	130 U
4-amino-2,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U		130 U	130 U	130 U
2-amino-4,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U		130 U	130 U	130 U
2,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U		130 U	130 U	130 U
2,4-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U		130 U	130 U	130 U

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

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

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-56	SEAD-56	SEAD-56
	DEPTH (FEET)	2-4	4-5.5	1.0-1.5	2-4	2-4	1.0-1.2	1.0-1.2	0-0.2	4-6	12-13
	SAMPLE DATE	06/09/94	06/09/94	02/17/94	02/17/94	02/17/94	02/18/94	02/18/94	05/23/94	05/23/94	05/23/94
	ES ID	SB43-3-02	SB43-3-03	SB43-4.01	SB43-4.02	SB43-4.20	SB43-4.07	SB43-4.07RE	SB56-1-00	SB56-1-03	SB56-1-07
	LAB ID	223687	223688	211724	211725	211727	211726	211726	222124	222125	222126
	SDG NUMBER	44694	44694	42460	42460	42460	42460	42460	44090	44090	44090
COMPOUND	UNITS					SB43-4.02DUP					
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2 U	1.9 U	2 U	2.1 U	2.1 U	1.8 U		2.2 U	1.9 U	1.8 U
beta-BHC	ug/Kg	2 U	1.9 U	2 U	2.1 U	2.1 U	1.8 U		2.2 U	1.9 U	1.8 U
delta-BHC	ug/Kg	2 U	1.9 U	2 U	2.1 U	2.1 U	1.8 U		2.2 U	1.9 U	1.8 U
gamma-BHC (Lindane)	ug/Kg	2 U	1.9 U	2 U	2.1 U	2.1 U	1.8 U		2.2 U	1.9 U	1.8 U
Heptachlor	ug/Kg	2 U	1.9 U	2 U	2.1 U	2.1 U	1.8 U		2.2 U	1.9 U	1.8 U
Aldrin	ug/Kg	2 U	1.9 U	2 U	2.1 U	2.1 U	1.8 U		2.2 U	1.9 U	1.8 U
Heptachlor epoxide	ug/Kg	2 U	1.9 U	2 U	2.1 U	2.1 U	1.8 U		2.2 U	1.9 U	1.8 U
Endosulfan I	ug/Kg	2 U	1.9 U	2 U	2.1 U	2.1 U	1.8 U		2.2 U	1.9 U	1.8 U
Dieldrin	ug/Kg	3.9 U	3.6 U	3.9 U	4 U	4 U	3.5 U		4.3 U	3.7 U	3.5 U
4,4'-DDE	ug/Kg	3.9 U	3.6 U	3.9 U	4 U	4 U	3.5 U		4.3 U	3.7 U	3.5 U
Endrin	ug/Kg	3.9 U	3.6 U	3.9 U	4 U	4 U	3.5 U		4.3 U	3.7 U	3.5 U
Endosulfan II	ug/Kg	3.9 U	3.6 U	3.9 U	4 U	4 U	3.5 U		4.3 U	3.7 U	3.5 U
4,4'-DDD	ug/Kg	3.9 U	3.6 U	3.9 U	4 U	4 U	3.5 U		4.3 U	3.7 U	3.5 U
Endosulfan sulfate	ug/Kg	3.9 U	3.6 U	3.9 U	4 U	4 U	3.5 U		4.3 U	3.7 U	3.5 U
4,4'-DDT	ug/Kg	3.9 U	3.6 U	3.9 U	4 U	4 U	3.5 U		4.3 U	3.7 U	3.5 U
Methoxychlor	ug/Kg	20 U	19 U	20 U	21 U	21 U	18 U		22 U	19 U	18 U
Endrin ketone	ug/Kg	3.9 U	3.6 U	3.9 U	4 U	4 U	3.5 U		4.3 U	3.7 U	3.5 U
Endrin aldehyde	ug/Kg	3.9 U	3.6 U	3.9 U	4 U	4 U	3.5 U		4.3 U	3.7 U	3.5 U
alpha-Chlordane	ug/Kg	2 U	1.9 U	2.4 J	2.1 U	2.1 U	1.8 U		2.2 U	1.9 U	1.8 U
gamma-Chlordane	ug/Kg	2 U	1.9 U	2 U	2.1 U	2.1 U	1.8 U		2.2 U	1.9 U	1.8 U
Toxaphene	ug/Kg	200 U	190 U	200 U	210 U	210 U	180 U		220 U	190 U	180 U
Aroclor-1016	ug/Kg	39 U	36 U	39 U	40 U	40 U	35 U		43 U	37 U	35 U
Aroclor-1221	ug/Kg	80 U	74 U	79 U	82 U	82 U	72 U		87 U	74 U	71 U
Aroclor-1232	ug/Kg	39 U	36 U	39 U	40 U	40 U	35 U		43 U	37 U	35 U
Aroclor-1242	ug/Kg	39 U	36 U	39 U	40 U	40 U	35 U		43 U	37 U	35 U
Aroclor-1248	ug/Kg	39 U	36 U	39 U	40 U	40 U	35 U		43 U	37 U	35 U
Aroclor-1254	ug/Kg	39 U	36 U	39 U	40 U	40 U	35 U		43 U	37 U	35 U
Aroclor-1260	ug/Kg	39 U	36 U	39 U	40 U	40 U	35 U		43 U	37 U	35 U
METALS											
Aluminum	mg/Kg	27000 J	10600 J	13300 J	15500 J	15200 J	15200 J		4620	11700	13200
Antimony	mg/Kg	0.26 J	0.25 UJ	4.6 J	7.2 J	4.9 UJ	3.3 J		0.21 UJ	0.19 UJ	0.19 UJ
Arsenic	mg/Kg	4.3	4	6 J	6.5 J	4.8 J	4 J		3.5	6	3.5
Barium	mg/Kg	175 J	62.2 J	92.1 J	123 J	121 J	49.9 J		26 J	70.7	49.7
Beryllium	mg/Kg	1.2	0.48 J	0.58 J	0.72 J	0.74 J	0.72		0.22 J	0.59 J	0.6 J
Cadmium	mg/Kg	0.7 J	0.58 J	0.41 U	0.51 U	0.48 U	0.26 U		1.5	0.76 J	0.7 J
Calcium	mg/Kg	7280 J	62400 J	60500 J	6420 J	15900 J	21500 J		62200	51500	31200
Chromium	mg/Kg	30.7 J	16.8 J	23.1	23.9	22.3	25.7		7.1	18.6	22.8
Cobalt	mg/Kg	6.7 J	8.5 J	8.7 J	13.4	11.3 J	15.7		3.8 J	10.7	13.6
Copper	mg/Kg	23.8 J	22.5 J	23.8	26	23.4	28.1		18.8	24.5	25.6
Iron	mg/Kg	28100 J	20700 J	23900 J	30700 J	29500 J	31000 J		10900	26300	29000
Lead	mg/Kg	12.7	9	15.9	11.8	13.6	15.6		30.2	11.1	17.1
Magnesium	mg/Kg	5210 J	13400 J	18800 J	6050 J	7270 J	8540 J		29500	11700	8440
Manganese	mg/Kg	182 J	453 J	530 R	1100 R	724 R	479 R		529	575	404
Mercury	mg/Kg	0.05 J R	0.04 J R	0.04 J	0.06 J	0.05 J	0.02 J		0.02 J	0.02 J	0.01 U
Nickel	mg/Kg	27 J	29.1 J	27	43.8	32.7	53.4		10.9	32.5	41.5
Potassium	mg/Kg	3130	2070	1940	1740	1590	1580		1020 J	1180	1430
Selenium	mg/Kg	1.1	0.52 U	0.17 UJ	0.2 UJ	0.17 J	1.8 J		0.35 U	0.51 J	1
Silver	mg/Kg	0.08 UJ	0.1 UJ	0.82 U	1 U	0.96 U	0.51 U		0.14 UJ	0.13 UJ	0.13 UJ
Sodium	mg/Kg	72.5 J	96.5 J	128 J	65 J	82.5 J	98.5 J		94.6 J	100 J	94.6 J
Thallium	mg/Kg	0.3 U	0.36 U	0.18 U	1.1 U	0.18 U	0.21 U		0.33 U	0.31 U	0.3 U
Vanadium	mg/Kg	41.8 J	18.3 J	24.6	26.8	28.2	21.3		10.2 J	18	17.9
Zinc	mg/Kg	94 J	89.8 J	71.7 J	79.6 J	84.4 J	126 J		295	84.6	83.6
Cyanide	mg/Kg	0.49 U	0.37 U	0.56 U	0.54 U	0.59 U	0.51 U		0.61 U	0.42 U	0.53 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg	0.64	0.12	1.63	1.25	1.18	0.13		0.58	0.18	0.04
Total Petroleum Hydrocarbons	mg/Kg			32 U	42 J	31 U	28 U				
Total Solids	%W/W	83.8	90.6	84.8	82.1	82.2	92.8		77.4	90.4	94.1

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

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

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

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

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

COMPOUND	UNITS	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		LOCATION	SEAD-56	SEAD-56	SEAD-56	SEAD-56	SEAD-56	SEAD-56	SEAD-56	SEAD-69	SEAD-69	SEAD-69
		DEPTH (FEET)	12-13	0-0.2	4-6	8-10	0-0.2	6-8	14-16	0-0.2	0-0.2	8-10
		SAMPLE DATE	05/23/94	05/23/94	05/23/94	05/23/94	05/18/94	05/18/94	05/18/94	05/17/94	05/17/94	05/17/94
		ES ID	SB56-1-07RE	SB56-2-00	SB56-2-03	SB56-2-05	SB56-3-00	SB56-3-04	SB56-3-08	SB69-1-00	SB69-1-20	SB69-1-05
		LAB ID	222126	222127	222128	222129	221480	221481	221482	221354	221355	221483
		SDG NUMBER	44090	44090	44345	44345	44090	44090	44090	44090	44090	44090
											SB69-1-00DUP	
PESTICIDES/PCB												
alpha-BHC	ug/Kg			2 U	2 U	1.9 U	2.1 U	2 U	1.8 U	2.5 U	2.5 U	1.9 U
beta-BHC	ug/Kg			2 U	2 U	1.9 U	2.1 U	2 U	1.8 U	2.5 U	2.5 U	1.9 U
delta-BHC	ug/Kg			2 U	2 U	1.9 U	2.1 U	2 U	1.8 U	2.5 U	2.5 U	1.9 U
gamma-BHC (Lindane)	ug/Kg			2 U	2 U	1.9 U	2.1 U	2 U	1.8 U	2.5 U	2.5 U	1.9 U
Heptachlor	ug/Kg			2 U	2 U	1.9 U	2.1 U	2 U	1.8 U	2.5 U	2.5 U	1.9 U
Aldrin	ug/Kg			2 U	2 U	1.9 U	2.1 U	2 U	1.8 U	2.5 U	2.5 U	1.9 U
Heptachlor epoxide	ug/Kg			2 U	2 U	1.9 U	2.1 U	2 U	1.8 U	2.5 U	2.5 U	1.9 U
Endosulfan I	ug/Kg			2 U	2 U	1.9 U	2.1 U	2 U	1.8 U	2.5 U	2.5 U	1.9 U
Dieldrin	ug/Kg			3.8 U	3.8 U	3.7 U	4 U	4 U	3.5 U	4.9 U	4.9 U	3.7 U
4,4'-DDE	ug/Kg			3.8 U	3.8 U	3.7 U	4 U	4 U	3.5 U	4.9 U	4.9 U	3.7 U
Endrin	ug/Kg			3.8 U	3.8 U	3.7 U	4 U	4 U	3.5 U	4.9 U	4.9 U	3.7 U
Endosulfan II	ug/Kg			3.8 U	3.8 U	3.7 U	4 U	4 U	3.5 U	4.9 U	4.9 U	3.7 U
4,4'-DDD	ug/Kg			3.8 U	3.8 U	3.7 U	4 U	4 U	3.5 U	4.9 U	4.9 U	3.7 U
Endosulfan sulfate	ug/Kg			3.8 U	3.8 U	3.7 U	4 U	4 U	3.5 U	4.9 U	4.9 U	3.7 U
4,4'-DDT	ug/Kg			3.8 U	3.8 U	3.7 U	4 U	4 U	3.5 U	4.9 U	4.9 U	3.7 U
Methoxychlor	ug/Kg			20 U	20 U	19 U	21 U	20 U	18 U	25 U	25 U	19 U
Endrin ketone	ug/Kg			3.8 U	3.8 U	3.7 U	4 U	4 U	3.5 U	4.9 U	4.9 U	3.7 U
Endrin aldehyde	ug/Kg			3.8 U	3.8 U	3.7 U	4 U	4 U	3.5 U	4.9 U	4.9 U	3.7 U
alpha-Chlordane	ug/Kg			2 U	2 U	1.9 U	2.1 U	2 U	1.8 U	2.5 U	2.5 U	1.9 U
gamma-Chlordane	ug/Kg			2 U	2 U	1.9 U	2.1 U	2 U	1.8 U	2.5 U	2.5 U	1.9 U
Toxaphene	ug/Kg			200 U	200 U	190 U	210 U	200 U	180 U	250 U	250 U	190 U
Aroclor-1016	ug/Kg			38 U	38 U	37 U	40 U	40 U	35 U	49 U	49 U	37 U
Aroclor-1221	ug/Kg			78 U	78 U	74 U	81 U	81 U	72 U	99 U	100 U	75 U
Aroclor-1232	ug/Kg			38 U	38 U	37 U	40 U	40 U	35 U	49 U	49 U	37 U
Aroclor-1242	ug/Kg			38 U	38 U	37 U	40 U	40 U	35 U	49 U	49 U	37 U
Aroclor-1248	ug/Kg			38 U	38 U	37 U	40 U	40 U	35 U	49 U	49 U	37 U
Aroclor-1254	ug/Kg			38 U	38 U	37 U	40 U	40 U	35 U	49 U	49 U	37 U
Aroclor-1260	ug/Kg			38 U	38 U	37 U	40 U	40 U	35 U	49 U	49 U	37 U
METALS												
Aluminum	mg/Kg			4850	12700	11700	2900	10200	9590	13800	13900	13700
Antimony	mg/Kg			0.19 UJ	0.15 UJ	0.21 UJ	0.17 UJ	0.21 UJ	0.17 UJ	0.26 UJ	0.3 UJ	0.15 UJ
Arsenic	mg/Kg			3.3	5.7	4	4.5	3.9	3.6	5.3	5.8	4.8
Barium	mg/Kg			33 J	70.1	49	14.4 J	53.4	43.1	124	132	52.7
Beryllium	mg/Kg			0.22 J	0.62 J	0.58 J	0.17 J	0.5 J	0.46 J	0.74 J	0.75 J	0.63 J
Cadmium	mg/Kg			0.51 J	0.63 J	0.58 J	0.55 J	0.67 J	0.63 J	0.79 J	0.83 J	0.87
Calcium	mg/Kg			66400	8840	39800	111000	77700	50500	8360	6320	26800
Chromium	mg/Kg			7	20.8	19.9	5.4	17.3	16.7	19.5	19.9	22.6
Cobalt	mg/Kg			4.5 J	12.1	12.5	2.8 J	8.3 J	9.6	7.5 J	9.2 J	14.8
Copper	mg/Kg			17.3	23.1	23.2	11.4	19.7	17.1	20.3	20.5	23.6
Iron	mg/Kg			11500	29200	25500	8520	21200	21600	23500	24600	29300
Lead	mg/Kg			12.8	14.8 J	12.1 J	19.3	10.2	9.8	23.2	23.9	15.6
Magnesium	mg/Kg			26400	7550	13200	17800	18900	14700	4290	3810	10500
Manganese	mg/Kg			533	421	373	502	394	386	395	540	373
Mercury	mg/Kg			0.03 J	0.06	0.06 J	0.01 J	0.02 J	0.01 U	0.06 J	0.06 J	0.02 J
Nickel	mg/Kg			10.3	28.6	33.4	6.8	28.6	29.7	22.2	22.5	44.8
Potassium	mg/Kg			1030	1250 J	1440 J	730 J	1630	1230	2140	2080	1770
Selenium	mg/Kg			0.55 J	0.6 J	0.52 J	0.29 U	0.36 U	0.28 U	1.4	1.2 J	0.28 J
Silver	mg/Kg			0.13 UJ	0.11 UJ	0.15 UJ	0.12 UJ	0.15 UJ	0.12 UJ	0.18 UJ	0.21 UJ	0.1 UJ
Sodium	mg/Kg			52 J	50.3 J	88.4 J	86.1 J	88 J	117 J	41 U	47.2 U	90.2 J
Thallium	mg/Kg			0.31 U	0.24 U	0.34 U	0.27 U	0.34 U	0.26 U	0.41 U	0.48 U	0.23 U
Vanadium	mg/Kg			10.6	21.4	17.6	6.4 J	16.7	14	24.5	25	19.4
Zinc	mg/Kg			75.4	89	98	139	89.1	81.9	92.8	94.2	162
Cyanide	mg/Kg			0.55 U	0.55 U	0.48 U	0.54 U	1.7	0.45 U	0.5 U	0.74 U	0.52 U
OTHER ANALYSES												
Nitrate/Nitrite-Nitrogen	mg/Kg			1.02	0.08	0.2	0.02	0.67	0.15	9.7	6.9	0.29
Total Petroleum Hydrocarbons	mg/Kg											
Total Solids	%W/W			86.4	86.5	90.3	82	83.4	93	67.9	66.5	89.4

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

COMPOUND	UNITS	MATRIX: SOIL LOCATION: SEAD-69 DEPTH (FEET): 10-12 SAMPLE DATE: 05/17/94 ES ID: SB69-1-06 LAB ID: 221484 SDG NUMBER: 44090	MATRIX: SOIL LOCATION: SEAD-69 DEPTH (FEET): 10-12 SAMPLE DATE: 05/17/94 ES ID: SB69-1-06RE LAB ID: 221484 SDG NUMBER: 44090	MATRIX: SOIL LOCATION: SEAD-69 DEPTH (FEET): 0-0.2 SAMPLE DATE: 02/19/94 ES ID: SB69-2.01 LAB ID: 211964 SDG NUMBER: 42460	MATRIX: SOIL LOCATION: SEAD-69 DEPTH (FEET): 6-8 SAMPLE DATE: 05/16/94 ES ID: SB69-2-04 LAB ID: 221356 SDG NUMBER: 44090	MATRIX: SOIL LOCATION: SEAD-69 DEPTH (FEET): 12-14 SAMPLE DATE: 05/16/94 ES ID: SB69-2-07 LAB ID: 221357 SDG NUMBER: 44090	MATRIX: SOIL LOCATION: SEAD-69 DEPTH (FEET): 12-14 SAMPLE DATE: 05/16/94 ES ID: SB69-2-07RE LAB ID: 221357 SDG NUMBER: 44090	MATRIX: SOIL LOCATION: SEAD-69 DEPTH (FEET): 0-0.2 SAMPLE DATE: 02/18/94 ES ID: SB69-3.01 LAB ID: 211957 SDG NUMBER: 42493	MATRIX: SOIL LOCATION: SEAD-69 DEPTH (FEET): 6-8 SAMPLE DATE: 02/18/94 ES ID: SB69-3.04 LAB ID: 212007 SDG NUMBER: 42493	MATRIX: SOIL LOCATION: SEAD-69 DEPTH (FEET): 10-12 SAMPLE DATE: 02/18/94 ES ID: SB69-3.06 LAB ID: 211970 SDG NUMBER: 42493
VOLATILE ORGANICS										
Chloromethane	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Bromomethane	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Vinyl Chloride	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Chloroethane	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Methylene Chloride	ug/Kg	11 UJ	3 J	24 U	11 U	4 J	4 J	19 U	11 U	11 U R
Acetone	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Carbon Disulfide	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
1,1-Dichloroethene	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
1,1-Dichloroethane	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
1,2-Dichloroethene (total)	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Chloroform	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
1,2-Dichloroethane	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
2-Butanone	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
1,1,1-Trichloroethane	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Carbon Tetrachloride	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Bromodichloromethane	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
1,2-Dichloropropane	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
cis-1,3-Dichloropropene	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Trichloroethene	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Dibromochloromethane	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
1,1,2-Trichloroethane	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Benzene	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
trans-1,3-Dichloropropene	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Bromoform	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
4-Methyl-2-Pentanone	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
2-Hexanone	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Tetrachloroethene	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
1,1,2,2-Tetrachloroethane	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Toluene	ug/Kg	2 J	3 J	24 U	11 U	27 J	6 J	19 U	11 U	4 J
Chlorobenzene	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Ethylbenzene	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Styrene	ug/Kg	11 UJ	11 UJ	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
Xylene (total)	ug/Kg	11 UJ	2 J	24 U	11 U	11 U R	11 U R	19 U	11 U	11 U R
HERBICIDES										
2,4-D	ug/Kg	54 U		94 U	54 U	53 U		98 U	55 U	54 U
2,4-DB	ug/Kg	54 U		94 U	54 U	53 U		98 U	55 U	54 U
2,4,5-T	ug/Kg	5.4 U		9.4 U	5.4 U	5.3 U		9.8 U	5.5 U	5.4 U
2,4,5-TP (Silvex)	ug/Kg	5.4 U		9.4 U	5.4 U	5.3 U		9.8 U	5.5 U	5.4 U
Dalapon	ug/Kg	130 U		230 U	130 U	130 U		240 U	140 U	130 U
Dicamba	ug/Kg	5.4 U		9.4 U	5.4 U	5.3 U		9.8 U	5.5 U	5.4 U
Dichloroprop	ug/Kg	54 U		94 U	54 U	53 U		98 U	55 U	54 U
Dinoseb	ug/Kg	27 U		47 U	27 U	27 U		49 U	28 U	27 UJ
MCPA	ug/Kg	5400 U		9400 U	5400 U	5300 U		9800 U	5500 U	5400 U
MCPP	ug/Kg	5400 U		9400 U	5400 U	5300 U		9800 U	5500 U	5400 U
NITROAROMATICS										
HMX	ug/Kg	130 U		130 U	130 U	130 U		130 U	130 U	130 U
RDX	ug/Kg	130 U		130 U	130 U	130 U		130 U	130 U	130 U
1,3,5-Trinitrobenzene	ug/Kg	130 U		130 U	130 U	130 U		130 U	130 U	130 U
1,3-Dinitrobenzene	ug/Kg	130 U		130 U	130 U	130 U		130 U	130 U	130 U
Tetryl	ug/Kg	130 U		130 U	130 U	130 U		130 U	130 U	130 U
2,4,6-Trinitrotoluene	ug/Kg	130 U		130 U	130 U	130 U		130 U	130 U	130 U
4-amino-2,6-Dinitrotoluene	ug/Kg	130 U		130 U	130 U	130 U		130 U	130 U	130 U
2-amino-4,6-Dinitrotoluene	ug/Kg	130 U		130 U	130 U	130 U		130 U	130 U	130 U
2,6-Dinitrotoluene	ug/Kg	130 U		130 U	130 U	130 U		130 U	130 U	130 U
2,4-Dinitrotoluene	ug/Kg	130 U		130 U	130 U	130 U		130 U	130 U	130 U

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-69	SEAD-69	SEAD-69	SEAD-69	SEAD-69	SEAD-69	SEAD-69	SEAD-69	SEAD-69
	DEPTH (FEET)	10-12	10-12	0-0.2	6-8	12-14	12-14	0-0.2	6-8	10-12
	SAMPLE DATE	05/17/94	05/17/94	02/19/94	05/16/94	05/16/94	05/16/94	02/18/94	02/18/94	02/18/94
	ES ID	SB69-1-06	SB69-1-06RE	SB69-2.01	SB69-2-04	SB69-2-07	SB69-2-07RE	SB69-3.01	SB69-3.04	SB69-3.06
	LAB ID	221484	221484	211964	221356	221357	221357	211967	212007	211970
	SDG NUMBER	44090	44090	42460	44090	44090	44090	42493	42493	42493
COMPOUND	UNITS									
SEMIVOLATILE ORGANICS										
Phenol	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
bis(2-Chloroethyl) ether	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
2-Chlorophenol	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
1,3-Dichlorobenzene	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
1,4-Dichlorobenzene	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
1,2-Dichlorobenzene	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
2-Methylphenol	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
4-Methylphenol	ug/Kg	360 U		580 J	350 U	350 U		650 U	360 U	350 U
N-Nitroso-di-n-propylamine	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
Hexachloroethane	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
Nitrobenzene	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
Isophorone	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
2-Nitrophenol	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
2,4-Dimethylphenol	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
bis(2-Chloroethoxy) methane	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
2,4-Dichlorophenol	ug/Kg	350 U		620 U	350 U	350 U		650 U	360 U	350 U
1,2,4-Trichlorobenzene	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
Naphthalene	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
4-Chloroaniline	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
Hexachlorobutadiene	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
4-Chloro-3-methylphenol	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
2-Methylnaphthalene	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
Hexachlorocyclopentadiene	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
2,4,6-Trichlorophenol	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
2,4,5-Trichlorophenol	ug/Kg	860 U		1500 U	850 U	840 U		1600 U	880 U	860 U
2-Chloronaphthalene	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
2-Nitroaniline	ug/Kg	860 U		1500 U	850 U	840 U		1600 U	880 U	860 U
Dimethylphthalate	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
Acenaphthylene	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
2,6-Dinitrotoluene	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
3-Nitroaniline	ug/Kg	860 U		1500 U	850 U	840 U		1600 U	880 U	860 U
Acenaphthene	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
2,4-Dinitrophenol	ug/Kg	860 U		1500 U	850 U	840 U		1600 U	880 U	860 U
4-Nitrophenol	ug/Kg	860 U		1500 U	850 U	840 U		1600 U	880 U	860 U
Dibenzofuran	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
2,4-Dinitrotoluene	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
Diethylphthalate	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
4-Chlorophenyl-phenylether	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
Fluorene	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
4-Nitroaniline	ug/Kg	860 U		1500 U	850 U	840 U		1600 U	880 U	860 U
4,6-Dinitro-2-methylphenol	ug/Kg	860 U		1500 U	850 U	840 U		1600 U	880 U	860 U
N-Nitrosodiphenylamine	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
4-Bromophenyl-phenylether	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
Hexachlorobenzene	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
Pentachlorophenol	ug/Kg	860 U		1500 U	850 U	840 U		1600 U	880 U	860 U
Phenanthrene	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
Anthracene	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
Carbazole	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
Di-n-butylphthalate	ug/Kg	360 U		620 U	350 U	350 U		62 J	25 J	350 U
Fluoranthene	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
Pyrene	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
Butylbenzylphthalate	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
3,3'-Dichlorobenzidine	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
Benzo(a)anthracene	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
Chrysene	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
bis(2-Ethylhexyl)phthalate	ug/Kg	360 U		690	350 U	350 U		580 J	140 J	340 J
Di-n-octylphthalate	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
Benzo(b)fluoranthene	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
Benzo(k)fluoranthene	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
Benzo(a)pyrene	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
Indeno(1,2,3-cd)pyrene	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
Dibenz(a,h)anthracene	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U
Benzo(g,h,i)perylene	ug/Kg	360 U		620 U	350 U	350 U		650 U	360 U	350 U

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-69	SEAD-69	SEAD-69	SEAD-69	SEAD-69	SEAD-69	SEAD-69	SEAD-69	SEAD-69
	DEPTH (FEET)	10-12	10-12	0-0.2	6-8	12-14	12-14	0-0.2	6-8	10-12
	SAMPLE DATE	05/17/94	05/17/94	02/19/94	05/16/94	05/16/94	05/16/94	02/18/94	02/18/94	02/18/94
	ES ID	SB69-1-06	SB69-1-06RE	SB69-2.01	SB69-2-04	SB69-2-07	SB69-2-07RE	SB69-3.01	SB69-3.04	SB69-3.06
	LAB ID	221484	221484	211964	221356	221357	221357	211967	212007	211970
	SDG NUMBER	44090	44090	42460	44090	44090	44090	42493	42493	42493
COMPOUND	UNITS									
PESTICIDES/PCB										
alpha-BHC	ug/Kg	1.8 U		3.3 U	1.8 U	1.8 U		3.3 U	1.9 U	1.8 U
beta-BHC	ug/Kg	1.8 U		3.3 U	1.8 U	1.8 U		3.3 U	1.9 U	1.8 U
delta-BHC	ug/Kg	1.8 U		3.3 U	1.8 U	1.8 U		3.3 U	1.9 U	1.8 U
gamma-BHC (Lindane)	ug/Kg	1.8 U		3.3 U	1.8 U	1.8 U		3.3 U	1.9 U	1.8 U
Heptachlor	ug/Kg	1.8 U		3.3 U	1.8 U	1.8 U		3.3 U	1.9 U	1.8 U
Aldrin	ug/Kg	1.8 U		3.3 U	1.8 U	5 U		3.3 U	1.9 U	1.8 U
Heptachlor epoxide	ug/Kg	1.8 U		3.3 U	1.8 U	1.8 U		3.3 U	1.9 U	1.8 U
Endosulfan I	ug/Kg	1.8 U		3.3 U	1.8 U	1.8 U		3.3 U	1.9 U	1.8 U
Dieldrin	ug/Kg	3.6 U		6.3 U	3.5 U	3.5 U		6.5 U	3.6 U	3.5 U
4,4'-DDE	ug/Kg	3.6 U		6.3 U	3.5 U	3.5 U		6.5 U	3.6 U	3.5 U
Endrin	ug/Kg	3.6 U		6.3 U	3.5 U	3.5 U		6.5 U	3.6 U	3.5 U
Endosulfan II	ug/Kg	3.6 U		6.3 U	3.5 U	3.5 U		6.5 U	3.6 U	3.5 U
4,4'-DDD	ug/Kg	3.6 U		6.3 U	3.5 U	3.5 U		6.5 U	3.6 U	3.5 U
Endosulfan sulfate	ug/Kg	3.6 U		6.3 U	3.5 U	3.5 U		6.5 U	3.6 U	3.5 U
4,4'-DDT	ug/Kg	3.6 U		6.3 U	3.5 U	3.5 U		6.5 U	3.6 U	3.5 U
Methoxychlor	ug/Kg	18 U		33 U	18 U	18 U		33 U	19 U	18 U
Endrin ketone	ug/Kg	3.6 U		6.3 U	3.5 U	3.5 U		6.5 U	3.6 U	3.5 U
Endrin aldehyde	ug/Kg	3.6 U		6.3 U	3.5 U	3.5 U		6.5 U	3.6 U	3.5 U
alpha-Chlordane	ug/Kg	1.8 U		3.3 U	1.8 U	1.8 U		3.3 U	1.9 U	1.8 U
gamma-Chlordane	ug/Kg	1.8 U		3.3 U	1.8 U	1.8 U		3.3 U	1.9 U	1.8 U
Toxaphene	ug/Kg	180 U		330 U	180 U	180 U		330 U	190 U	180 U
Aroclor-1016	ug/Kg	36 U		63 U	35 U	35 U		65 U	36 U	35 U
Aroclor-1221	ug/Kg	73 U		130 U	71 U	71 U		130 U	73 U	72 U
Aroclor-1232	ug/Kg	36 U		63 U	35 U	35 U		65 U	36 U	35 U
Aroclor-1242	ug/Kg	36 U		63 U	35 U	35 U		65 U	36 U	35 U
Aroclor-1248	ug/Kg	36 U		63 U	35 U	35 U		65 U	36 U	35 U
Aroclor-1254	ug/Kg	36 U		63 U	35 U	35 U		65 U	36 U	35 U
Aroclor-1260	ug/Kg	36 U		63 U	35 U	35 U		65 U	36 U	35 U
METALS										
Aluminum	mg/Kg	8550		16000 J	14100	17500		14900	11500	10900
Antimony	mg/Kg	0.13 UJ		6 UJ	0.16 UJ	0.12 J		0.37 UJ	0.23 J	0.32 J
Arsenic	mg/Kg	3.1		5.4 J	5.1	7.1		4.7	5.1	6.5
Barium	mg/Kg	50.9		133 J	42.7	82.1		118	80.4	80.2
Beryllium	mg/Kg	0.46 J		0.9 J	0.66 J	0.78		0.67 J	0.55 J	0.49 J
Cadmium	mg/Kg	0.64 J		0.58 U	0.83	1.1		0.31 J	0.28 J	0.23 J
Calcium	mg/Kg	112000		7760 J	28900	22000		7510 J	141000 J	58900 J
Chromium	mg/Kg	14.1		22.6	24.1	30.2		21.5	17.9	18.4
Cobalt	mg/Kg	8.1		8.9 J	17.8	20.9		8.2 J	10.5	10.8
Copper	mg/Kg	16.3		22.9	27.8	25		20.6	21.1	23
Iron	mg/Kg	17800		27100 J	31400	40300		24900	22300	24200
Lead	mg/Kg	9.1		21.1	9.7	13.6		25.1	6.1	5.9
Magnesium	mg/Kg	47500		4940 J	10200	9880		4730	10900	10900
Manganese	mg/Kg	423		576 R	488	539		368	403	484
Mercury	mg/Kg	0.01 J		0.08 J	0.02 J	0.02 J		0.06 J	0.03 J	0.02 J
Nickel	mg/Kg	24.1		28.1	47.2	57.2		26.6 J	30.2 J	30 J
Potassium	mg/Kg	1300		1930	1350	1600		1940 J	2350 J	1490 J
Selenium	mg/Kg	0.22 U		0.54 J	0.28 U	0.36 J		1.2 J	0.51 J	0.66 J
Silver	mg/Kg	0.09 UJ		1.2 U	0.11 UJ	0.07 UJ		0.26 U	0.14 U	0.1 U
Sodium	mg/Kg	111 J		54.9 U	85.8 J	113 J		85.5 J	139 J	122 J
Thallium	mg/Kg	0.21 U		0.3 U	0.26 U	0.17 U		0.46 U	0.23 U	0.24 U
Vanadium	mg/Kg	13		28.3	20	24.5		27.6	18.4	15.7
Zinc	mg/Kg	67.5		338 J	182	97.2		273	82.6	64.3
Cyanide	mg/Kg	0.43 U		0.94 U	0.48 U	0.5 U		0.92 U	0.54 U	0.47 U
OTHER ANALYSES										
Nitrate/Nitrite-Nitrogen	mg/Kg	0.18		0.02 U	0.58	0.19		0.02 U	0.04	0.03
Total Petroleum Hydrocarbons	mg/Kg									
Total Solids	%W/W	92.1		52.5	93.6	95.4		51.2	91	92.8

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

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

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

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43
	SAMPLE DATE	07/19/94	07/19/94	07/19/94	03/28/94	03/28/94	03/28/94
	ES ID	MW43-1	MW43-5	MW43-2	MW43-3	MW43-5	MW43-4
	LAB ID	227445	227449	227448	215554	215558	215557
	SDG NUMBER	45332	45332	45332	43179	43179	43179
	UNITS		MW43-1DUP			MW43-3DUP	
SEMIVOLATILE ORGANICS							
Phenol	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl) ether	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
4-Methylphenol	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
Isophorone	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy) methane	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	ug/L	27 U	26 U	26 U	26 U	26 U	26 U
2-Chloronaphthalene	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	ug/L	27 U	26 U	26 U	26 U	26 U	26 U
Dimethylphthalate	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	ug/L	27 U	26 U	26 U	26 U	26 U	26 U
Acenaphthene	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	ug/L	27 U	26 U	26 U	26 U	26 U	26 U
4-Nitrophenol	ug/L	27 U	26 U	26 U	26 U	26 U	26 U
Dibenzofuran	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
Fluorene	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	ug/L	27 U	26 U	26 U	26 U	26 U	26 U
4,6-Dinitro-2-methylphenol	ug/L	27 U	26 U	26 U	26 U	26 U	26 U
N-Nitrosodiphenylamine	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	ug/L	27 U	26 U	26 U	26 U	26 U	26 U
Phenanthrene	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
Anthracene	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
Carbazole	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
Pyrene	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
Butylbenzylphthalate	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
Chrysene	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	11 U	10 U	10 U	160 U	10 U	10 U
Di-n-octylphthalate	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	ug/L	11 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	ug/L	11 U	10 U	10 U	10 U	10 U	10 U

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

	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43
	SAMPLE DATE	07/19/94	07/19/94	07/19/94	03/28/94	03/28/94	03/28/94
	ES ID	MW43-1	MW43-5	MW43-2	MW43-3	MW43-5	MW43-4
	LAB ID	227445	227449	227448	215554	215558	215557
	SDG NUMBER	45332	45332	45332	43179	43179	43179
COMPOUND	UNITS		MW43-1DUP			MW43-3DUP	
PESTICIDES/PCB							
alpha-BHC	ug/L	0.053 U	0.053 U	0.054 U	0.052 U	0.052 U	0.054 U
beta-BHC	ug/L	0.053 U	0.053 U	0.054 U	0.052 U	0.052 U	0.054 U
delta-BHC	ug/L	0.053 U	0.053 U	0.054 U	0.052 U	0.052 U	0.054 U
gamma-BHC (Lindane)	ug/L	0.053 U	0.053 U	0.054 U	0.052 U	0.052 U	0.054 U
Heptachlor	ug/L	0.053 U	0.053 U	0.054 U	0.052 U	0.052 U	0.054 U
Aldrin	ug/L	0.053 U	0.053 U	0.054 U	0.052 U	0.052 U	0.054 U
Heptachlor epoxide	ug/L	0.053 U	0.053 U	0.054 U	0.052 U	0.052 U	0.054 U
Endosulfan I	ug/L	0.053 U	0.053 U	0.054 U	0.052 U	0.052 U	0.054 U
Dieldrin	ug/L	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U
4,4'-DDE	ug/L	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U
Endrin	ug/L	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U
Endosulfan II	ug/L	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U
4,4'-DDD	ug/L	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U
Endosulfan sulfate	ug/L	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U
4,4'-DDT	ug/L	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U
Methoxychlor	ug/L	0.53 U	0.53 U	0.54 U	0.52 U	0.52 U	0.54 U
Endrin ketone	ug/L	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U
Endrin aldehyde	ug/L	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U
alpha-Chlordane	ug/L	0.053 U	0.053 U	0.054 U	0.052 U	0.052 U	0.054 U
gamma-Chlordane	ug/L	0.053 U	0.053 U	0.054 U	0.052 U	0.052 U	0.054 U
Toxaphene	ug/L	5.3 U	5.3 U	5.4 U	5.2 U	5.2 U	5.4 U
Aroclor-1016	ug/L	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U
Aroclor-1221	ug/L	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U	2.1 U
Aroclor-1232	ug/L	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U
Aroclor-1242	ug/L	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U
Aroclor-1248	ug/L	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U
Aroclor-1254	ug/L	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U
Aroclor-1260	ug/L	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U
METALS							
Aluminum	ug/L	2610 J	1020 J	169 J	2870	1820	1010
Antimony	ug/L	1.3 U	1.3 U	1.5 J	1 U	1 U	1 U
Arsenic	ug/L	2 U	2 U	2 U	1.5 J	1.5 U	1.5 U
Barium	ug/L	77.1 J	68.1 J	43.4 J	113 J	101 J	97.2 J
Beryllium	ug/L	0.1 U	0.1 U	0.1 U	0.06 U	0.06 U	0.06 U
Cadmium	ug/L	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
Calcium	ug/L	102000	100000	112000	138000	136000	123000
Chromium	ug/L	3.5 J	1.4 J	0.4 U	5.3 J	3.6 J	2 J
Cobalt	ug/L	2.2 J	1.5 J	0.5 U	3.3 J	2.2 J	4.2 J
Copper	ug/L	3.3 J	1 J	0.5 U	4 J	3 J	1.9 J
Iron	ug/L	4010 J	1750 J	1000	7170	4890	1930
Lead	ug/L	0.9 U	0.89 U	0.9 U	2.4 J	1.5 J	0.8 U
Magnesium	ug/L	27500	26400	46800	42700	42200	36800
Manganese	ug/L	120	101	139	183	159	297
Mercury	ug/L	0.04 J	0.04 U	0.04 U	0.03 U	0.03 U	0.03 U
Nickel	ug/L	7.7 J	3.9 J	0.7 U	9.2 J	6.4 J	9.4 J
Potassium	ug/L	2420 J	1840 J	3010 J	3280 J	3190 J	3250 J
Selenium	ug/L	2.7 U	2.7 U	2.7 U	1.7 U	1.7 U	1.7 U
Silver	ug/L	0.5 U	0.7 J	0.5 U	0.7 U	0.7 U	0.7 U
Sodium	ug/L	4600 J	4310 J	8100	7330	7410	13400
Thallium	ug/L	2.2 J	1.9 U	1.9 U	1.6 U	1.6 U	1.6 U
Vanadium	ug/L	4.4 J	2.1 J	0.5 U	5.2 J	3.5 J	2.3 J
Zinc	ug/L	11 J	5.8 J	2.3 J	22.5 J	13.3 J	11.8 J
Cyanide	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
OTHER ANALYSES							
Nitrate/Nitrite-Nitrogen	mg/L	0.06	0.06	0.01 U	0.03 J	0.01 U	0.02
Total Petroleum Hydrocarbons	mg/L						
pH	Standard Units	7.1	7.1	7.1	7.7		7.1
Conductivity	umhos/cm	460	460	610	600		535
Temperature	°C	13.7	13.7	13.1	8		6.1
Turbidity	NTU	148	148	16.6	431		0.2

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

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

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

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-43 04/16/94 SW43-1 217864 43549	WATER SEAD-43 04/16/94 SW43-2 217865 43549	WATER SEAD-43 04/15/94 SW43-3 217769 43549	WATER SEAD-43 04/15/94 SW43-20 217772 43549 SW43-3DUP	WATER SEAD-43 04/16/94 SW43-4 217866 43549	WATER SEAD-43 04/15/94 SW43-5 217770 43549
SEMIVOLATILE ORGANICS							
Phenol	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
bis(2-Chloroethyl) ether	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
2-Chlorophenol	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
1,3-Dichlorobenzene	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
1,4-Dichlorobenzene	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
1,2-Dichlorobenzene	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
2-Methylphenol	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
2,2'-oxybis(1-Chloropropane)	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
4-Methylphenol	ug/L	36 U	1 J	12 U	12 U	10 U	11 U
N-Nitroso-di-n-propylamine	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
Hexachloroethane	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
Nitrobenzene	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
Isophorone	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
2-Nitrophenol	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
2,4-Dimethylphenol	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
bis(2-Chloroethoxy) methane	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
2,4-Dichlorophenol	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
1,2,4-Trichlorobenzene	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
Naphthalene	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
4-Chloroaniline	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
Hexachlorobutadiene	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
4-Chloro-3-methylphenol	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
2-Methylnaphthalene	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
Hexachlorocyclopentadiene	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
2,4,6-Trichlorophenol	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
2,4,5-Trichlorophenol	ug/L	91 U	29 U	29 U	30 U	26 U	26 U
2-Chloronaphthalene	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
2-Nitroaniline	ug/L	91 U	29 U	29 U	30 U	26 U	26 U
Dimethylphthalate	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
Acenaphthylene	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
2,6-Dinitrotoluene	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
3-Nitroaniline	ug/L	91 U	29 U	29 U	30 U	26 U	26 U
Acenaphthene	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
2,4-Dinitrophenol	ug/L	91 U	29 U	29 U	30 U	26 U	26 U
4-Nitrophenol	ug/L	91 U	29 U	29 U	30 U	26 U	26 U
Dibenzofuran	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
2,4-Dinitrotoluene	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
Diethylphthalate	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
4-Chlorophenyl-phenylether	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
Fluorene	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
4-Nitroaniline	ug/L	91 U	29 U	29 U	30 U	26 U	26 U
4,6-Dinitro-2-methylphenol	ug/L	91 U	29 U	29 U	30 U	26 U	26 U
N-Nitrosodiphenylamine	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
4-Bromophenyl-phenylether	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
Hexachlorobenzene	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
Pentachlorophenol	ug/L	91 U	29 U	29 U	30 U	26 U	26 U
Phenanthrene	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
Anthracene	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
Carbazole	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
Di-n-butylphthalate	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
Fluoranthene	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
Pyrene	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
Butylbenzylphthalate	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
3,3'-Dichlorobenzidine	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
Benzo(a)anthracene	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
Chrysene	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
bis(2-Ethylhexyl)phthalate	ug/L	150	12 U	12 U	12 U	10 U	11 U
Di-n-octylphthalate	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
Benzo(b)fluoranthene	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
Benzo(k)fluoranthene	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
Benzo(a)pyrene	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
Indeno(1,2,3-cd)pyrene	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
Dibenz(a,h)anthracene	ug/L	36 U	12 U	12 U	12 U	10 U	11 U
Benzo(g,h,i)perylene	ug/L	36 U	12 U	12 U	12 U	10 U	11 U

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

	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43
	SAMPLE DATE	04/16/94	04/16/94	04/15/94	04/15/94	04/16/94	04/15/94
	ES ID	SW43-1	SW43-2	SW43-3	SW43-20	SW43-4	SW43-5
	LAB ID	217864	217865	217769	217772	217866	217770
	SDG NUMBER	43549	43549	43549	43549	43549	43549
COMPOUND	UNITS				SW43-3DUP		
PESTICIDES/PCB							
alpha-BHC	ug/L	0.056 U	0.052 U	0.061 U	0.058 U	0.06 U	0.052 U
beta-BHC	ug/L	0.056 U	0.052 U	0.061 U	0.058 U	0.06 U	0.052 U
delta-BHC	ug/L	0.056 U	0.052 U	0.061 U	0.058 U	0.06 U	0.052 U
gamma-BHC (Lindane)	ug/L	0.056 U	0.052 U	0.061 U	0.058 U	0.06 U	0.052 U
Heptachlor	ug/L	0.056 U	0.052 U	0.061 U	0.058 U	0.06 U	0.052 U
Aldrin	ug/L	0.056 U	0.052 U	0.061 U	0.058 U	0.06 U	0.052 U
Heptachlor epoxide	ug/L	0.056 U	0.052 U	0.061 U	0.058 U	0.06 U	0.052 U
Endosulfan I	ug/L	0.056 U	0.052 U	0.061 U	0.058 U	0.06 U	0.052 U
Dieldrin	ug/L	0.11 U	0.1 U	0.12 U	0.12 U	0.12 U	0.1 U
4,4'-DDE	ug/L	0.11 U	0.1 U	0.12 U	0.12 U	0.12 U	0.1 U
Endrin	ug/L	0.11 U	0.1 U	0.12 U	0.12 U	0.12 U	0.1 U
Endosulfan II	ug/L	0.11 U	0.1 U	0.12 U	0.12 U	0.12 U	0.1 U
4,4'-DDD	ug/L	0.11 U	0.1 U	0.12 U	0.12 U	0.12 U	0.1 U
Endosulfan sulfate	ug/L	0.11 U	0.1 U	0.12 U	0.12 U	0.12 U	0.1 U
4,4'-DDT	ug/L	0.11 U	0.1 U	0.12 U	0.12 U	0.12 U	0.1 U
Methoxychlor	ug/L	0.56 U	0.52 U	0.61 U	0.58 U	0.6 U	0.52 U
Endrin ketone	ug/L	0.11 U	0.1 U	0.12 U	0.12 U	0.12 U	0.1 U
Endrin aldehyde	ug/L	0.11 U	0.1 U	0.12 U	0.12 U	0.12 U	0.1 U
alpha-Chlordane	ug/L	0.056 U	0.052 U	0.061 U	0.058 U	0.06 U	0.052 U
gamma-Chlordane	ug/L	0.056 U	0.052 U	0.061 U	0.058 U	0.06 U	0.052 U
Toxaphene	ug/L	5.6 U	5.2 U	6.1 U	5.8 U	6 U	5.2 U
Aroclor-1016	ug/L	1.1 U	1 U	1.2 U	1.2 U	1.2 U	1 U
Aroclor-1221	ug/L	2.2 U	2.1 U	2.4 U	2.3 U	2.4 U	2.1 U
Aroclor-1232	ug/L	1.1 U	1 U	1.2 U	1.2 U	1.2 U	1 U
Aroclor-1242	ug/L	1.1 U	1 U	1.2 U	1.2 U	1.2 U	1 U
Aroclor-1248	ug/L	1.1 U	1 U	1.2 U	1.2 U	1.2 U	1 U
Aroclor-1254	ug/L	1.1 U	1 U	1.2 U	1.2 U	1.2 U	1 U
Aroclor-1260	ug/L	1.1 U	1 U	1.2 U	1.2 U	1.2 U	1 U
METALS							
Aluminum	ug/L	400	1190	72.2 J	71.4 J	335	111 J
Antimony	ug/L	0.99 U	1 U	0.99 U	0.99 U	0.99 U	0.99 U
Arsenic	ug/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Barium	ug/L	23.6 J	27.9 J	55.2 J	47.6 J	32.7 J	40.4 J
Beryllium	ug/L	0.1 J	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Cadmium	ug/L	0.14 J	0.1 U	0.1 U	0.1 U	0.34 J	0.1 U
Calcium	ug/L	49900	43200	92900	92800	52300	79400
Chromium	ug/L	0.82 J	1.6 J	0.4 UJ	3.3 J	0.51 J	0.47 J
Cobalt	ug/L	0.6 U	0.6 U	0.6 U	0.6 U	0.59 U	0.6 U
Copper	ug/L	1.9 J	2.5 J	1.6 J	1.1 J	2.3 J	1.3 J
Iron	ug/L	397	1750	177	163	503	150
Lead	ug/L	0.8 U	0.8 U	0.8 U	0.8 U	1.4 J	0.8 U
Magnesium	ug/L	9210	7820	15900	15900	9420	14600
Manganese	ug/L	13.9 J	94.6	91.5 J	48.9 J	39.1	12.2 J
Mercury	ug/L	0.04 J	0.06 J	0.06 J	0.04 J	0.04 J	0.05 J
Nickel	ug/L	1.6 J	2.8 J	0.71 J	1.6 J	277	1.4 J
Potassium	ug/L	1000 J	2290 J	1520 J	1500 J	2660 J	1810 J
Selenium	ug/L	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Silver	ug/L	0.7 U	0.7 U	0.7 U	0.7 U	0.69 U	0.7 U
Sodium	ug/L	2450 J	892 J	4440 J	4550 J	3240 J	5180
Thallium	ug/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Vanadium	ug/L	0.89 J	2.1 J	0.7 U	0.7 U	0.69 U	0.7 U
Zinc	ug/L	5.3 J	12.1 J	3.8 J	3.9 J	1040	14.2 J
Cyanide	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
OTHER ANALYSES							
Nitrate/Nitrite-Nitrogen	mg/L	0.01	0.02	1.42	1.17	0.02	0.04
Total Petroleum Hydrocarbons	mg/L						
pH	Standard Units	9.2	8.8	7.3		7.6	7.9
Conductivity	umhos/cm	215	165	333		255	432
Temperature	°C	11	10	21		16	21
Turbidity	NTU	9.8	31.2	1.9		9.7	2.3

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43
	DEPTH (FEET)	0-0.2	0-0.2	0.4	0.4	0-0.2	0.6
	SAMPLE DATE	04/16/94	04/16/94	04/15/94	04/15/94	04/16/94	04/15/94
	ES ID	SD43-1	SD43-2	SD43-3	SD43-20	SD43-4	SD43-5
	LAB ID	217861	217862	217764	217767	217863	217766
	SDG NUMBER	43543	43543	43543	43543	43543	43543
COMPOUND	UNITS				SD43-3DUP		
VOLATILE ORGANICS							
Chloromethane	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Bromomethane	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Vinyl Chloride	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Chloroethane	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Methylene Chloride	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Acetone	ug/Kg	82 U	20 U	220	120	32 U	65 U
Carbon Disulfide	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
1,1-Dichloroethene	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
1,1-Dichloroethane	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
1,2-Dichloroethene (total)	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Chloroform	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
1,2-Dichloroethane	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
2-Butanone	ug/Kg	19	17 U	49	30	14 U	16 U
1,1,1-Trichloroethane	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Carbon Tetrachloride	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Bromodichloromethane	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
1,2-Dichloropropane	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
cis-1,3-Dichloropropene	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Trichloroethene	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Dibromochloromethane	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
1,1,2-Trichloroethane	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Benzene	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
trans-1,3-Dichloropropene	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Bromoform	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
4-Methyl-2-Pentanone	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
2-Hexanone	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Tetrachloroethene	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
1,1,2,2-Tetrachloroethane	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Toluene	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Chlorobenzene	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Ethylbenzene	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Styrene	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
Xylene (total)	ug/Kg	17 U	17 U	21 U	21 U	14 U	16 U
HERBICIDES							
2,4-D	ug/Kg	84 U	81 U	110 U	110 U	72 U	81 U
2,4-DB	ug/Kg	84 U	110	110 U	110 U	72 U	81 U
2,4,5-T	ug/Kg	18	18	23 J	11 U	7.2 U	11
2,4,5-TP (Silvex)	ug/Kg	8.4 U	8.1 U	11 U	11 U	7.2 U	8.1 U
Dalapon	ug/Kg	200 U	200 U	250 U	250 U	180 U	200 U
Dicamba	ug/Kg	8.4 U	8.1 U	11 U	11 U	7.2 U	8.1 U
Dichloroprop	ug/Kg	84 U	81 U	110 U	110 U	72 U	81 U
Dinoseb	ug/Kg	42 U	41 U	51 U	52 U	36 U	41 U
MCPA	ug/Kg	8400 U	8100 U	11000 U	11000 U	7200 U	8100 U
MCPP	ug/Kg	16000	17000	11000 U	11000 U	7200 U	8100 U
NITROAROMATICS							
HMX	ug/Kg	130 U	110 J	130 U	130 U	72 J	130 U
RDX	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
1,3,5-Trinitrobenzene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
1,3-Dinitrobenzene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
Tetryl	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
2,4,6-Trinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
4-amino-2,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
2-amino-4,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
2,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
2,4-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U

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

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

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43
	DEPTH (FEET)	0-0.2	0-0.2	0.4	0.4	0-0.2	0.6
	SAMPLE DATE	04/16/94	04/16/94	04/15/94	04/15/94	04/16/94	04/15/94
	ES ID	SD43-1	SD43-2	SD43-3	SD43-20	SD43-4	SD43-5
	LAB ID	217861	217862	217764	217767	217863	217766
	SDG NUMBER	43543	43543	43543	43543	43543	43543
COMPOUND	UNITS				SD43-3DUP		
PESTICIDES/PCB							
alpha-BHC	ug/Kg	2.8 U	2.7 U	3.5 U	3.5 U	2.4 U	2.7 U
beta-BHC	ug/Kg	2.8 U	2.7 U	3.5 U	3.5 U	2.4 U	2.7 U
delta-BHC	ug/Kg	2.8 U	2.7 U	3.5 U	3.5 U	2.4 U	2.7 U
gamma-BHC (Lindane)	ug/Kg	2.8 U	2.7 U	3.5 U	3.5 U	2.4 U	2.7 U
Heptachlor	ug/Kg	2.8 U	2.7 U	3.5 U	3.5 U	2.4 U	2.7 U
Aldrin	ug/Kg	2.8 U	2.7 U	3.5 U	3.5 U	2.4 U	2.7 U
Heptachlor epoxide	ug/Kg	2.8 U	2.7 U	3.5 U	3.5 U	2.4 U	2.7 U
Endosulfan I	ug/Kg	2.8 U	2.7 U	3.5 U	3.5 U	2.4 U	2.7 U
Dieldrin	ug/Kg	5.5 U	5.3 U	6.7 U	6.9 U	4.7 U	5.3 U
4,4'-DDE	ug/Kg	5.5 U	5.3 U	6.7 U	6.9 U	4.7 U	5.3 U
Endrin	ug/Kg	5.5 U	5.3 U	6.7 U	6.9 U	4.7 U	5.3 U
Endosulfan II	ug/Kg	5.5 U	5.3 U	6.7 U	6.9 U	4.7 U	5.3 U
4,4'-DDD	ug/Kg	5.5 U	5.3 U	6.7 U	6.9 U	4.7 U	5.3 U
Endosulfan sulfate	ug/Kg	5.5 U	5.3 U	6.7 U	6.9 U	4.7 U	5.3 U
4,4'-DDT	ug/Kg	5.5 U	5.3 U	6.7 U	6.9 U	4.7 U	5.3 U
Methoxychlor	ug/Kg	28 U	27 U	35 U	35 U	24 U	27 U
Endrin ketone	ug/Kg	5.5 U	5.3 U	6.7 U	6.9 U	4.7 U	5.3 U
Endrin aldehyde	ug/Kg	5.5 U	5.3 U	6.7 U	6.9 U	4.7 U	5.3 U
alpha-Chlordane	ug/Kg	2.8 U	2.7 U	3.5 U	3.5 U	2.4 U	2.7 U
gamma-Chlordane	ug/Kg	2.8 U	2.7 U	3.5 U	3.5 U	2.4 U	2.7 U
Toxaphene	ug/Kg	280 U	270 U	350 U	350 U	240 U	270 U
Aroclor-1016	ug/Kg	55 U	53 U	67 U	69 U	47 U	53 U
Aroclor-1221	ug/Kg	110 U	110 U	140 U	140 U	96 U	110 U
Aroclor-1232	ug/Kg	55 U	53 U	67 U	69 U	47 U	53 U
Aroclor-1242	ug/Kg	55 U	53 U	67 U	69 U	47 U	53 U
Aroclor-1248	ug/Kg	55 U	53 U	67 U	69 U	47 U	53 U
Aroclor-1254	ug/Kg	55 U	53 U	67 U	69 U	47 U	53 U
Aroclor-1260	ug/Kg	55 U	53 U	67 U	69 U	47 U	53 U
METALS							
Aluminum	mg/Kg	19600	16800	11600	17600	13000	15400
Antimony	mg/Kg	0.26 UJ	0.29 UJ	0.37 J	0.27 UJ	0.19 UJ	0.27 UJ
Arsenic	mg/Kg	9	6.5	3	4.6	5.3	4.1
Barium	mg/Kg	158	127	104	133	85.1	97.8
Beryllium	mg/Kg	0.99 J	0.85 J	0.57 J	0.78 J	0.61 J	0.69 J
Cadmium	mg/Kg	0.63 J	0.46 J	0.5 J	0.58 J	0.33 J	0.37 J
Calcium	mg/Kg	7220	7170	6950	8230	68900	9030
Chromium	mg/Kg	27.4	23.1	15.9	23	19.5	21
Cobalt	mg/Kg	19.7	10.9 J	8 J	10.6 J	9.6	7.6 J
Copper	mg/Kg	30.1	20.3	20.1	24.1	20.4	18.5
Iron	mg/Kg	37100	28900	17300	23800	25300	22100
Lead	mg/Kg	28.7	23.2	17.4	22.2	9.8	16.7
Magnesium	mg/Kg	6870	5390	3500	4880	10500	5180
Manganese	mg/Kg	1480	501	357	433	615	198
Mercury	mg/Kg	0.06 J	0.04 J	0.06 J	0.06 J	0.03 J	0.07 J
Nickel	mg/Kg	44.3	27.4	23.2	26.8	29.7	24.8
Potassium	mg/Kg	2140	2080	1290 J	2320	2160	2440
Selenium	mg/Kg	0.44 U	0.49 U	1 J	0.78 J	0.32 U	0.45 U
Silver	mg/Kg	0.18 U	0.2 U	0.2 U	0.19 U	0.13 U	0.19 U
Sodium	mg/Kg	41.3 U	45.5 U	45.3 U	43.4 U	50 J	42.2 U
Thallium	mg/Kg	0.42 U	0.73 J	0.68 J	0.47 J	0.3 U	0.75 J
Vanadium	mg/Kg	37.4	32.4	21.4	32.1	20.6	27.1
Zinc	mg/Kg	122	124	96.7	105	64.3	178
Cyanide	mg/Kg	0.84 U	0.79 U	0.89 U	0.76 U	0.67 U	0.63 U
OTHER ANALYSES							
Nitrate/Nitrite-Nitrogen	mg/Kg	0.1	0.03	0.04 J	0.15 J	0.06	0.02 U
Total Petroleum Hydrocarbons	mg/Kg						
Total Solids	%W/W	59.5	62.2	48.6	48.1	69.5	62.1

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

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

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

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

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44
	DEPTH (FEET)	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
	SAMPLE DATE	04/13/94	04/13/94	04/13/94	04/13/94	04/13/94	04/13/94	04/13/94	04/13/94	04/13/94	04/13/94
	ES ID	SS44A-1	SS44A-20	SS44A-2	SS44A-3	SS44A-4	SS44A-5	SS44A-6	SS44B-1	SS44B-1RE	SS44B-2
	LAB ID	217678	217685	217680	217681	217682	217683	217684	217686	217686	217687
	SDG NUMBER	43535	43535	43535	43535	43535	43535	43535	43535	43535	43535
COMPOUND	UNITS		SS44A-1DUP								
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2.7 U	2.6 U	2.7 U	2.9 U	3 U	3.4 U	2.9 U	2.2 U		3.3 U
beta-BHC	ug/Kg	2.7 U	2.6 U	2.7 U	2.9 U	3 U	3.4 U	2.9 U	2.2 U		3.3 U
delta-BHC	ug/Kg	2.7 U	2.6 U	2.7 U	2.9 U	3 U	3.4 U	2.9 U	2.2 U		3.3 U
gamma-BHC (Lindane)	ug/Kg	2.7 U	2.6 U	2.7 U	2.9 U	3 U	3.4 U	2.9 U	2.2 U		3.3 U
Heptachlor	ug/Kg	2.7 U	2.6 U	2.7 U	2.9 U	3 U	3.4 U	2.9 U	2.2 U		3.3 U
Aldrin	ug/Kg	2.7 U	2.6 U	2.7 U	2.9 U	3 U	3.4 U	2.9 U	2.2 U		3.3 U
Heptachlor epoxide	ug/Kg	2.7 U	2.6 U	2.7 U	2.9 U	3 U	3.4 U	2.9 U	2.2 U		3.3 U
Endosulfan I	ug/Kg	2.7 U	2.6 U	2.7 U	2.9 U	3 U	3.4 U	2.9 U	2 J		3.3 U
Dieldrin	ug/Kg	20 J	5.1 U	5.2 U	9.9 J	59	29	70	4.2 U		6.3 U
4,4'-DDE	ug/Kg	5.2 U	5.1 U	5.2 U	5.7 U	5.8 U	6.6 U	5.7 U	48		6.3 U
Endrin	ug/Kg	5.2 U	5.1 U	5.2 U	5.7 U	5.8 U	6.6 U	5.7 U	4.2 U		6.3 U
Endosulfan II	ug/Kg	5.2 U	5.1 U	5.2 U	5.7 U	5.8 U	6.6 U	5.7 U	4.2 U		6.3 U
4,4'-DDD	ug/Kg	5.2 U	5.1 U	5.2 U	5.7 U	5.8 U	6.6 U	5.7 U	28		6.3 U
Endosulfan sulfate	ug/Kg	5.2 U	5.1 U	5.2 U	5.7 U	5.8 U	6.6 U	5.7 U	4.2 U		6.3 U
4,4'-DDT	ug/Kg	5.2 U	5.1 U	5.2 U	5.7 U	5.8 U	6.6 U	5.7 U	27		6.3 U
Methoxychlor	ug/Kg	27 U	26 U	27 U	29 U	30 U	34 U	29 U	22 U		33 U
Endrin ketone	ug/Kg	5.2 U	5.1 U	5.2 U	5.7 U	5.8 U	6.6 U	5.7 U	4.2 U		6.3 U
Endrin aldehyde	ug/Kg	5.2 U	5.1 U	5.2 U	5.7 U	5.8 U	6.6 U	5.7 U	4.2 U		6.3 U
alpha-Chlordane	ug/Kg	2.7 U	2.6 U	2.7 U	2.9 U	3 U	3.4 U	2.9 U	2.2 U		3.3 U
gamma-Chlordane	ug/Kg	2.7 U	2.6 U	2.7 U	2.9 U	3 U	3.4 U	2.9 U	2.2 U		3.3 U
Toxaphene	ug/Kg	270 U	260 U	270 U	290 U	300 U	340 U	290 U	220 U		330 U
Aroclor-1016	ug/Kg	52 U	51 U	52 U	57 U	58 U	66 U	57 U	42 U		63 U
Aroclor-1221	ug/Kg	100 U	100 U	100 U	120 U	120 U	130 U	120 U	86 U		130 U
Aroclor-1232	ug/Kg	52 U	51 U	52 U	57 U	58 U	66 U	57 U	42 U		63 U
Aroclor-1242	ug/Kg	52 U	51 U	52 U	57 U	58 U	66 U	57 U	42 U		63 U
Aroclor-1248	ug/Kg	52 U	51 U	52 U	57 U	58 U	66 U	57 U	42 U		63 U
Aroclor-1254	ug/Kg	52 U	51 U	52 U	57 U	58 U	66 U	57 U	42 U		63 U
Aroclor-1260	ug/Kg	52 U	51 U	52 U	57 U	58 U	66 U	57 U	42 U		63 U
METALS											
Aluminum	mg/Kg	14500	16000	15300	15300	12900	17400	11500	11000		16400
Antimony	mg/Kg	0.21 UJ	0.18 UJ	0.27 UJ	0.23 UJ	0.2 UJ	0.25 UJ	0.19 UJ	0.22 UJ		0.2 UJ
Arsenic	mg/Kg	6.5	4.6	4.9	4.8	4.5	5.7	3.5	6.8		8.2
Barium	mg/Kg	93.4	94.1	92.5	148	108	164	116	60.6		136
Beryllium	mg/Kg	0.56 J	0.56 J	0.63 J	0.72 J	0.63 J	0.91 J	0.57 J	0.54 J		0.77 J
Cadmium	mg/Kg	0.24 J	0.26 J	0.26 J	0.36 J	0.39 J	0.48 J	0.36 J	0.33 J		0.34 J
Calcium	mg/Kg	3310	3460	6230	5690	4900	7160	5950	10900		5100
Chromium	mg/Kg	17.6	18.5	20.1	20.5	17.9	23.7	15	20		20.7
Cobalt	mg/Kg	7.9 J	7.2 J	7.7 J	8.6 J	8.3 J	8.8 J	5.1 J	10.8 J		7.8 J
Copper	mg/Kg	20.6	14.2	14.5	18.9	17.2	20	14	26.2		21.7
Iron	mg/Kg	23300	20700	24200	23800	21900	27400	16500	24100		23100
Lead	mg/Kg	21.4	21.6	18.6	18	16.5	22.5	13.9	39.5		21.4
Magnesium	mg/Kg	2940	3270	3970	4090	3630	4370	2690	5200		3910
Manganese	mg/Kg	370 J	251 J	298 J	489 J	326 J	678 J	301 J	372 J		318 J
Mercury	mg/Kg	0.05 J	0.03 J	0.03 J	0.05 J	0.04 J	0.07 J	0.05 J	0.02 J		0.04 J
Nickel	mg/Kg	18	20.7	20.4	24	21.2	26	14.4	34.8		20.8
Potassium	mg/Kg	1320	1450	1410	1980	1410	1980	1200	1380		1880
Selenium	mg/Kg	1 J	0.81 J	0.99 J	0.93 J	1.5	1.7	1.3	1.1 J		1.2
Silver	mg/Kg	0.84 U	0.7 U	1 U	0.89 U	0.76 U	0.99 U	0.74 U	0.87 U		0.78 U
Sodium	mg/Kg	34 U	28.3 U	42.1 U	36 U	31 U	40 U	30.2 U	35.3 U		31.5 U
Thallium	mg/Kg	0.34 U	0.29 U	0.42 U	0.36 U	0.31 U	0.4 U	0.3 U	0.36 U		0.32 U
Vanadium	mg/Kg	27.6	27.1	26.8	25.3	21.4	30.2	21	20.3		28
Zinc	mg/Kg	72.6	85	72.4	88.6	80.5	94	59.2	145		73.4
Cyanide	mg/Kg	0.62 U	0.77 U	0.73 U	0.85 U	0.73 U	0.8 U	0.78 U	0.58 U		0.93 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg	0.19	0.19	0.11	0.3	0.11	0.1	1.14	0.47		0.06
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	63.9	64.7	64.4	57.5	56.8	50.1	58	78.1		52.4

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

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

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44
	DEPTH (FEET)	0-0.2	3	3	3	3	3	3	3	7	3
	SAMPLE DATE	04/13/94	02/19/94	02/17/94	02/17/94	02/18/94	02/18/94	02/18/94	02/18/94	02/20/94	02/19/94
	ES ID	SS44B-3	TP44A-1	TP44A-2	TP44A-3	TP44A-4	TP44A-5	TP44A-6	TP44A-7	TP44A-8	TP44A-9
	LAB ID	217688	211984	211734	211735	211985	211986	211987	212004	212042	212005
	SDG NUMBER	43535	42493	42460	42460	42493	42493	42493	42494	42494	42494
COMPOUND	UNITS										
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
bis(2-Chloroethyl) ether	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
2-Chlorophenol	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
1,3-Dichlorobenzene	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
1,4-Dichlorobenzene	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
1,2-Dichlorobenzene	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
2-Methylphenol	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
4-Methylphenol	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
N-Nitroso-di-n-propylamine	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
Hexachloroethane	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
Nitrobenzene	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
Isophorone	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
2-Nitrophenol	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
2,4-Dimethylphenol	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
bis(2-Chloroethoxy) methane	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
2,4-Dichlorophenol	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
1,2,4-Trichlorobenzene	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
Naphthalene	ug/Kg	460 U	330 J	420 U	420 U	390 U	400 U	410 U	430 U	430 U	22 J
4-Chloroaniline	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
Hexachlorobutadiene	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
4-Chloro-3-methylphenol	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
2-Methylnaphthalene	ug/Kg	460 U	150 J	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
Hexachlorocyclopentadiene	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
2,4,6-Trichlorophenol	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
2,4,5-Trichlorophenol	ug/Kg	1100 U	950 U	1000 U	1000 U	940 U	960 U	990 U	1000 U	1000 U	980 U
2-Chloronaphthalene	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
2-Nitroaniline	ug/Kg	1100 U	950 U	1000 U	1000 U	940 U	960 U	990 U	1000 U	1000 U	980 U
Dimethylphthalate	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
Acenaphthylene	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	72 J	46 J	58 J
2,6-Dinitrotoluene	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
3-Nitroaniline	ug/Kg	1100 U	950 U	1000 U	1000 U	940 U	960 U	990 U	1000 U	1000 U	980 U
Acenaphthene	ug/Kg	460 U	380 J	36 J	420 U	390 U	21 J	410 U	40 J	22 J	23 J
2,4-Dinitrophenol	ug/Kg	1100 U	950 U	1000 U	1000 U	940 U	960 U	990 U	1000 U	1000 U	980 U
4-Nitrophenol	ug/Kg	1100 U	950 U	1000 U	1000 U	940 U	960 U	990 U	1000 U	1000 U	980 U
Dibenzofuran	ug/Kg	460 U	280 J	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
2,4-Dinitrotoluene	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
Diethylphthalate	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
4-Chlorophenyl-phenylether	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
Fluorene	ug/Kg	460 U	410	34 J	420 U	390 U	21 J	410 U	53 J	30 J	38 J
4-Nitroaniline	ug/Kg	1100 U	950 U	1000 U	1000 U	940 U	960 U	990 U	1000 U	1000 U	980 U
4,6-Dinitro-2-methylphenol	ug/Kg	1100 U	950 U	1000 U	1000 U	940 U	960 U	990 U	1000 U	1000 U	980 U
N-Nitrosodiphenylamine	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
4-Bromophenyl-phenylether	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
Hexachlorobenzene	ug/Kg	460 U	390 U	420 U	420 U	390 U	36 J	24 J	430 U	430 U	400 U
Pentachlorophenol	ug/Kg	1100 U	950 U	1000 U	1000 U	940 U	960 U	990 U	1000 U	1000 U	980 U
Phenanthrene	ug/Kg	330 J	2100	240 J	170 J	68 J	240 J	100 J	980	510	580
Anthracene	ug/Kg	35 J	640	69 J	20 J	390 U	43 J	410 U	140 J	77 J	100 J
Carbazole	ug/Kg	460 U	370 J	36 J	420 U	390 U	26 J	410 U	190 J	150 J	150 J
Di-n-butylphthalate	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
Fluoranthene	ug/Kg	350 J	1900	300 J	330 J	120 J	400	190 J	2400	1200	1400
Pyrene	ug/Kg	380 J	1300	220 J	250 J	100 J	310 J	160 J	2000	910	1000
Butylbenzylphthalate	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
3,3'-Dichlorobenzidine	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
Benzo(a)anthracene	ug/Kg	130 J	970	130 J	110 J	52 J	160 J	77 J	990	520	560
Chrysene	ug/Kg	150 J	840	140 J	170 J	77 J	200 J	94 J	1200	650	740
bis(2-Ethylhexyl)phthalate	ug/Kg	42 J	480	420 U	420 U	280 J	500	200 J	150 J	940	720
Di-n-octylphthalate	ug/Kg	460 U	390 U	420 U	420 U	390 U	400 U	410 U	430 U	430 U	400 U
Benzo(b)fluoranthene	ug/Kg	99 J	790	120 J	170 J	62 J	190 J	88 J	1100	560	600
Benzo(k)fluoranthene	ug/Kg	110 J	610	100 J	130 J	66 J	180 J	81 J	1100	640	620
Benzo(a)pyrene	ug/Kg	98 J	780	100 J	130 J	68 J	180 J	84 J	1100	600	680
Indeno(1,2,3-cd)pyrene	ug/Kg	64 J	350 J	51 J	83 J	49 J	120 J	61 J	490	250 J	400 J
Dibenz(a,h)anthracene	ug/Kg	28 J	160 J	21 J	32 J	390 U	58 J	410 U	430 U	430 U	400 U
Benzo(g,h,i)perylene	ug/Kg	56 J	300 J	48 J	87 J	49 J	110 J	58 J	510	220 J	400 J

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44
	DEPTH (FEET)	0-0.2	3	3	3	3	3	3	3	7	3
	SAMPLE DATE	04/13/94	02/19/94	02/17/94	02/17/94	02/18/94	02/18/94	02/18/94	02/18/94	02/20/94	02/19/94
	ES ID	SS44B-3	TP44A-1	TP44A-2	TP44A-3	TP44A-4	TP44A-5	TP44A-6	TP44A-7	TP44A-8	TP44A-9
	LAB ID	217688	211984	211734	211735	211985	211986	211987	212004	212042	212005
	SDG NUMBER	43535	42493	42460	42460	42493	42493	42493	42494	42494	42494
COMPOUND	UNITS										
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2.4 U	2 U	2.2 U	2.2 U	2 U	2 U	2.1 U	2.2 U	2.2 U	2.1 U
beta-BHC	ug/Kg	2.4 U	2 U	2.2 U	2.2 U	2 U	2 U	2.1 U	2.2 U	2.2 U	2.1 U
delta-BHC	ug/Kg	2.4 U	2 U	2.2 U	2.2 U	2 U	2 U	2.1 U	2.2 U	2.2 U	2.1 U
gamma-BHC (Lindane)	ug/Kg	2.4 U	2 U	2.2 U	2.2 U	2 U	2 U	2.1 U	2.2 U	2.2 U	2.1 U
Heptachlor	ug/Kg	2.4 U	2 U	2.2 U	2.2 U	2 U	2 U	2.1 U	2.2 U	2.2 U	2.1 U
Aldrin	ug/Kg	2.4 U	2 U	2.2 U	2.2 U	2 U	2 U	2.1 U	2.2 U	2.2 U	2.1 U
Heptachlor epoxide	ug/Kg	2.4 U	1.2 J	2.2 U	2.2 U	2 U	2 U	2.1 U	2.2 U	2.2 U	2.1 U
Endosulfan I	ug/Kg	2.4 U	5.4	2.2 U	2.1 J	2.5	2 U	1.6 J	2.2 U	2.2 U	2.1 U
Dieldrin	ug/Kg	57	3.9 U	4.2 U	4.2 U	3.9 U	5.8 J	4.1 U	4.3 U	4.3 U	12 J
4,4'-DDE	ug/Kg	4.6 U	3.9 U	4.2 U	4.2 U	3.9 U	4 U	2.8 J	2.8 J	4.3 U	3.1 J
Endrin	ug/Kg	4.6 U	3.9 U	4.2 U	4.2 U	3.9 U	4 U	4.1 U	3.5 J	4.3 U	4 U
Endosulfan II	ug/Kg	4.6 U	3.9 U	4.2 U	4.2 U	3.9 U	4 U	4.1 U	2.8 J	2.7 J	4 U
4,4'-DDD	ug/Kg	4.6 U	3.9 U	4.2 U	4.2 U	3.9 U	4 U	4.1 U	4.3 U	4.3 U	4 U
Endosulfan sulfate	ug/Kg	4.6 U	3.9 U	4.2 U	4.2 U	3.9 U	4 U	4.1 U	4.3 U	4.3 U	4 U
4,4'-DDT	ug/Kg	4.6 U	3.9 U	4.2 U	4.2 U	3.9 U	4 U	4.1 U	5.6	2.6 J	3.6 J
Methoxychlor	ug/Kg	24 U	20 U	22 U	22 U	20 U	20 U	21 U	22 U	22 U	21 U
Endrin ketone	ug/Kg	4.6 U	3.9 U	4.2 U	4.2 U	3.9 U	4 U	4.1 U	4.3 U	5.2 J	4 U
Endrin aldehyde	ug/Kg	4.6 U	3.9 U	4.2 U	4.2 U	3.9 U	4 U	4.1 U	4.5 J	4.3 U	3.5 J
alpha-Chlordane	ug/Kg	2.4 U	2 U	2.2 U	2.2 U	2 U	2 U	2.1 U	2.2 U	2.2 U	2.1 U
gamma-Chlordane	ug/Kg	2.4 U	2 U	2.2 U	2.2 U	2 U	2 U	2.1 U	2.2 U	2.2 U	2.1 U
Toxaphene	ug/Kg	240 U	200 U	220 U	220 U	200 U	200 U	210 U	220 U	220 U	210 U
Aroclor-1016	ug/Kg	46 U	39 U	42 U	42 U	39 U	40 U	41 U	43 U	43 U	40 U
Aroclor-1221	ug/Kg	93 U	80 U	86 U	85 U	79 U	81 U	83 U	87 U	87 U	82 U
Aroclor-1232	ug/Kg	46 U	39 U	42 U	42 U	39 U	40 U	41 U	43 U	43 U	40 U
Aroclor-1242	ug/Kg	46 U	39 U	42 U	42 U	39 U	40 U	41 U	43 U	43 U	40 U
Aroclor-1248	ug/Kg	46 U	39 U	42 U	42 U	39 U	40 U	41 U	43 U	43 U	40 U
Aroclor-1254	ug/Kg	46 U	39 U	42 U	42 U	39 U	40 U	41 U	43 U	43 U	40 U
Aroclor-1260	ug/Kg	46 U	39 U	42 U	42 U	39 U	40 U	41 U	43 U	43 U	40 U
METALS											
Aluminum	mg/Kg	9820	11600	14800 J	12700 J	13800	11000	17500	16000 J	17200 J	15700 J
Antimony	mg/Kg	0.18 UJ	0.35 J	8.2 J	10.8 J	0.57 J	0.33 J	0.65 J	0.31 J	0.62 J	0.4 J
Arsenic	mg/Kg	13.1	3.8	4.1 J	3.9 J	4	3.7	7.7	4.7 J	6 J	6.1 J
Barium	mg/Kg	70.8	77.9	86.2 J	93.2 J	69.3	62	124	121 J	106 J	130 J
Beryllium	mg/Kg	0.48 J	0.44 J	0.64 J	0.52 J	0.6 J	0.42 J	0.77 J	0.64 J	0.74 J	0.69 J
Cadmium	mg/Kg	0.24 J	0.22 J	0.33 U	0.41 U	0.14 J	0.28 J	0.18 J	0.25 J	0.29 J	0.23 J
Calcium	mg/Kg	33300	31400 J	22100 J	34100 J	25200 J	77400 J	13200 J	35400 J	30100 J	11500 J
Chromium	mg/Kg	15.2	15.5	19.3	16.5	23.9	16.7	27.1	21.4 J	24.7 J	24.2 J
Cobalt	mg/Kg	8.2 J	7.6 J	9.2	7.6 J	11.6	8.4 J	14.5	8.7 J	12.9 J	14.4 J
Copper	mg/Kg	19.9	16.1	24.8	16.5	26.9	17.8	29	21.5 J	24.4 J	25.5 J
Iron	mg/Kg	19600	18400	22600 J	20100 J	28400	19900	34900	24000 J	30000 J	31300 J
Lead	mg/Kg	12.4	17.3	17	18.4	19.3	13.6	23.8	24.9 J	18.7 J	21.4 J
Magnesium	mg/Kg	9660	5920	6630 J	6430 J	7510	40200	7130	6610 J	7330 J	6260 J
Manganese	mg/Kg	364 J	323	403 R	440 R	479	669	528	451 J	741 J	956 J
Mercury	mg/Kg	0.02 J	0.12	0.04 J	0.04 J	0.02 U	0.17	0.04 J	0.06 J	0.04 J	0.04 J
Nickel	mg/Kg	24.3	20 J	25.6	21.3	41.8 J	26.1 J	41.7 J	26.9 J	34.7 J	38.5 J
Potassium	mg/Kg	1550	1150 J	1430	1310	1480 J	2090 J	2310 J	2230 J	2530 J	1830 J
Selenium	mg/Kg	0.44 J	0.69 J	0.26 J	0.29 J	0.56 J	0.97	0.66 J	1.1 J	0.69 J	0.67 J
Silver	mg/Kg	0.71 U	0.14 U	0.67 U	0.81 U	0.13 U	0.14 U	0.15 U	0.16 U	0.1 U	0.12 U
Sodium	mg/Kg	43.2 J	70.7 J	69.7 J	73.5 J	81.8 J	142 J	56.6 J	57.4 J	73.3 J	49.7 J
Thallium	mg/Kg	0.29 U	0.2 U	0.24 U	0.21 U	0.24 U	0.23 U	0.27 U	0.24 U	0.29 U	0.21 U
Vanadium	mg/Kg	16.3	19.5	24.6	22.4	20.1	18.2	29.9	28.9 J	29.4 J	27.3 J
Zinc	mg/Kg	68.9	71.4	76.1 J	70.7 J	73.4	62.3	115	100 J	98.6 J	94.8 J
Cyanide	mg/Kg	0.67 U	0.57 U	0.61 U	0.61 U	0.59 U	0.59 U	0.61 U	0.64 U	0.58 U	0.6 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg	0.04	10.8	6.8	7.9	0.52	4	3.7	13	12.9	8.1
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	72.5	84.5	77.7	78.8	85.1	83	80.9	77.2	77.4	81.7

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

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

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

	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44
	SAMPLE DATE	07/12/94	07/12/94	07/13/94	07/13/94	07/12/94	07/12/94	03/29/94	07/13/94
	ES ID	MW44A-1	MW44A-5	MW44A-2	MW44A-2RE	MW44A-3	MW44B-1	MW44B-2	MW44B-3
	LAB ID	226786	226791	226789	226789	226790	226792	215835	226793
	SDG NUMBER	45282	45332	45282	45282	45282	45332	43179	45332
COMPOUND	UNITS		MW44A-1DUP						
SEMIVOLATILE ORGANICS									
Phenol	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
bis(2-Chloroethyl) ether	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
2-Chlorophenol	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
1,3-Dichlorobenzene	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
1,4-Dichlorobenzene	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
1,2-Dichlorobenzene	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
2-Methylphenol	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
4-Methylphenol	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
Hexachloroethane	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
Nitrobenzene	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
Isophorone	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
2-Nitrophenol	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
2,4-Dimethylphenol	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
bis(2-Chloroethoxy) methane	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
2,4-Dichlorophenol	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
Naphthalene	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
4-Chloroaniline	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
Hexachlorobutadiene	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
2-Methylnaphthalene	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	ug/L	28 U	27 U	26 U		28 U	25 U	26 U	26 U
2-Chloronaphthalene	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
2-Nitroaniline	ug/L	28 U	27 U	26 U		28 U	25 U	26 U	26 U
Dimethylphthalate	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
Acenaphthylene	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
2,6-Dinitrotoluene	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
3-Nitroaniline	ug/L	28 U	27 U	26 U		28 U	25 U	26 U	26 U
Acenaphthene	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
2,4-Dinitrophenol	ug/L	28 U	27 U	26 U		28 U	25 U	26 U	26 U
4-Nitrophenol	ug/L	28 U	27 U	26 U		28 U	25 U	26 U	26 U
Dibenzofuran	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
2,4-Dinitrotoluene	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
Diethylphthalate	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
Fluorene	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
4-Nitroaniline	ug/L	28 U	27 U	26 U		28 U	25 U	26 U	26 U
4,6-Dinitro-2-methylphenol	ug/L	28 U	27 U	26 U		28 U	25 U	26 U	26 U
N-Nitrosodiphenylamine	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
Hexachlorobenzene	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
Pentachlorophenol	ug/L	28 U	27 U	26 U		28 U	25 U	26 U	26 U
Phenanthrene	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
Anthracene	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
Carbazole	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
Di-n-butylphthalate	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
Fluoranthene	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
Pyrene	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
Butylbenzylphthalate	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
Benzo(a)anthracene	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
Chrysene	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	11 U	11 U	10 U		20 U	10 U	16 U	24 U
Di-n-octylphthalate	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
Benzo(b)fluoranthene	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
Benzo(k)fluoranthene	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
Benzo(a)pyrene	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	ug/L	11 U	11 U	10 U		11 U	10 U	10 U	10 U

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

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44
	SAMPLE DATE	07/12/94	07/12/94	07/13/94	07/13/94	07/12/94	07/12/94	03/29/94	07/13/94
	ES ID	MW44A-1	MW44A-5	MW44A-2	MW44A-2RE	MW44A-3	MW44B-1	MW44B-2	MW44B-3
	LAB ID	226786	226791	226789	226789	226790	226792	215835	226793
	SDG NUMBER	45282	45332	45282	45282	45282	45332	43179	45332
	UNITS		MW44A-1DUP						
PESTICIDES/PCB									
alpha-BHC	ug/L	0.051 U	0.054 U	0.051 U		0.054 U	0.05 U	0.051 U	0.053 U
beta-BHC	ug/L	0.051 U	0.054 U	0.051 U		0.054 U	0.05 U	0.051 U	0.053 U
delta-BHC	ug/L	0.051 U	0.054 U	0.051 U		0.054 U	0.05 U	0.051 U	0.053 U
gamma-BHC (Lindane)	ug/L	0.051 U	0.054 U	0.051 U		0.054 U	0.05 U	0.051 U	0.053 U
Heptachlor	ug/L	0.051 U	0.054 U	0.051 U		0.054 U	0.05 U	0.051 U	0.053 U
Aldrin	ug/L	0.051 U	0.054 U	0.051 U		0.054 U	0.05 U	0.051 U	0.053 U
Heptachlor epoxide	ug/L	0.051 U	0.054 U	0.051 U		0.054 U	0.05 U	0.051 U	0.053 U
Endosulfan I	ug/L	0.051 U	0.054 U	0.051 U		0.054 U	0.05 U	0.051 U	0.053 U
Dieldrin	ug/L	0.1 U	0.11 U	0.1 U		0.11 U	0.1 U	0.1 U	0.11 U
4,4'-DDE	ug/L	0.1 U	0.11 U	0.1 U		0.11 U	0.1 U	0.1 U	0.11 U
Endrin	ug/L	0.1 U	0.11 U	0.1 U		0.11 U	0.1 U	0.1 U	0.11 U
Endosulfan II	ug/L	0.1 U	0.11 U	0.1 U		0.11 U	0.1 U	0.1 U	0.11 U
4,4'-DDD	ug/L	0.1 U	0.11 U	0.1 U		0.11 U	0.1 U	0.1 U	0.11 U
Endosulfan sulfate	ug/L	0.1 U	0.11 U	0.1 U		0.11 U	0.1 U	0.1 U	0.11 U
4,4'-DDT	ug/L	0.1 U	0.11 U	0.1 U		0.11 U	0.1 U	0.1 U	0.11 U
Methoxychlor	ug/L	0.51 U	0.54 U	0.51 U		0.54 U	0.5 U	0.51 U	0.53 U
Endrin ketone	ug/L	0.1 U	0.11 U	0.1 U		0.11 U	0.1 U	0.1 U	0.11 U
Endrin aldehyde	ug/L	0.1 U	0.11 U	0.1 U		0.11 U	0.1 U	0.1 U	0.11 U
alpha-Chlordane	ug/L	0.051 U	0.054 U	0.051 U		0.054 U	0.05 U	0.051 U	0.053 U
gamma-Chlordane	ug/L	0.051 U	0.054 U	0.051 U		0.054 U	0.05 U	0.051 U	0.053 U
Toxaphene	ug/L	5.1 U	5.4 U	5.1 U		5.4 U	5 U	5.1 U	5.3 U
Aroclor-1016	ug/L	1 U	1.1 U	1 U		1.1 U	1 U	1 U	1.1 U
Aroclor-1221	ug/L	2 U	2.1 U	2 U		2.2 U	2 U	2 U	2.1 U
Aroclor-1232	ug/L	1 U	1.1 U	1 U		1.1 U	1 U	1 U	1.1 U
Aroclor-1242	ug/L	1 U	1.1 U	1 U		1.1 U	1 U	1 U	1.1 U
Aroclor-1248	ug/L	1 U	1.1 U	1 U		1.1 U	1 U	1 U	1.1 U
Aroclor-1254	ug/L	1 U	1.1 U	1 U		1.1 U	1 U	1 U	1.1 U
Aroclor-1260	ug/L	1 U	1.1 U	1 U		1.1 U	1 U	1 U	1.1 U
METALS									
Aluminum	ug/L	69 J	125 J	2240		243	288 J	1230	80.2 J
Antimony	ug/L	1.3 U	1.3 U	1.3 U		1.3 U	1.3 U	0.99 U	1.3 U
Arsenic	ug/L	2 U	2 U	4.1 J		2 U	2 U	1.5 U	2 U
Barium	ug/L	102 J	104 J	41.6 J		52.4 J	72.6 J	77.7 J	39.3 J
Beryllium	ug/L	0.1 U	0.1 U	0.23 J		0.1 U	0.1 U	0.06 U	0.1 U
Cadmium	ug/L	0.2 U	0.2 U	0.2 U		0.2 U	0.2 U	0.1 U	0.2 U
Calcium	ug/L	92200	91100	132000		102000	120000	92000	114000
Chromium	ug/L	0.4 U	0.4 U	4.8 J		0.74 J	0.4 U	2.5 J	0.4 U
Cobalt	ug/L	0.5 U	0.5 U	4 J		0.95 J	0.91 J	1.8 J	0.5 U
Copper	ug/L	0.5 U	0.5 U	4.5 J		1.9 J	0.5 U	2.4 J	0.5 U
Iron	ug/L	114 J	269 J	4810		419	666	2340	231
Lead	ug/L	0.9 U	0.9 U	4.1		0.89 U	0.9 U	0.79 U	0.89 U
Magnesium	ug/L	19000	18800	75600		34000	31800	22500	32900
Manganese	ug/L	18.2	18.2	217		131	219	29.4	151
Mercury	ug/L	0.04 U	0.04 U	0.06 J		0.05 J	0.04 U	0.03 U	0.04 U
Nickel	ug/L	0.7 U	0.7 U	12.3 J		2.6 J	0.73 J	4.4 J	0.69 U
Potassium	ug/L	1050 J	1040 J	6160		4050 J	2150 J	1360 J	2910 J
Selenium	ug/L	2.7 U	2.7 U	2.7 U		2.7 U	2.7 U	1.7 U	2.7 U
Silver	ug/L	0.5 U	0.63 J	0.5 U		0.5 U	0.68 J	0.7 J	0.5 U
Sodium	ug/L	2310 J	2390 J	18900		4300 J	7190	8350	6110
Thallium	ug/L	1.9 U	1.9 U	1.9 U		1.9 U	4.7 J	1.6 U	1.9 U
Vanadium	ug/L	0.5 U	0.63 J	4.7 J		1.4 J	0.5 U	2.7 J	0.63 J
Zinc	ug/L	3.8 J	2.2 U	12.8 J		4.3 J	2.2 U	10.4 J	4.9 J
Cyanide	ug/L	5 U	5 U	5 U		5 U	5 U	5 U	5 U
OTHER ANALYSES									
Nitrate/Nitrite-Nitrogen	mg/L	0.05 U	0.05	0.01 U		0.1	0.11	0.06	0.13
Total Petroleum Hydrocarbons	mg/L								
pH	Standard Units	7.8	7.8	7.5		7.5	7.1	8	7.2
Conductivity	umhos/cm	410	410	900		550	620	383	600
Temperature	°C	13.4	13.4	14.7		15.4	15.3	5.9	15
Turbidity	NTU	10.7	10.8	693		16.8	16.5	67	2.5

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

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

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

	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44
	SAMPLE DATE	04/17/94	04/17/94	04/17/94	04/27/94	04/17/94	04/17/94
	ES ID	SW44A-1	SW44A-2	SW44A-3	SW44A-4	SW44B-1	SW44B-2
	LAB ID	218085	218086	218087	219414	218088	218089
	SDG NUMBER	43549	43549	43549	43626	43549	43549
COMPOUND	UNITS						
SEMIVOLATILE ORGANICS							
Phenol	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
bis(2-Chloroethyl) ether	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
2-Chlorophenol	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
1,3-Dichlorobenzene	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
1,4-Dichlorobenzene	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
1,2-Dichlorobenzene	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
2-Methylphenol	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
4-Methylphenol	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
N-Nitroso-di-n-propylamine	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
Hexachloroethane	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
Nitrobenzene	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
Isophorone	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
2-Nitrophenol	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
2,4-Dimethylphenol	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
bis(2-Chloroethoxy) methane	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
2,4-Dichlorophenol	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
1,2,4-Trichlorobenzene	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
Naphthalene	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
4-Chloroaniline	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
Hexachlorobutadiene	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
4-Chloro-3-methylphenol	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
2-Methylnaphthalene	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
Hexachlorocyclopentadiene	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
2,4,6-Trichlorophenol	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
2,4,5-Trichlorophenol	ug/L	28 U	26 U	27 U	28 U	30 U	26 U
2-Chloronaphthalene	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
2-Nitroaniline	ug/L	28 U	26 U	27 U	28 U	30 U	26 U
Dimethylphthalate	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
Acenaphthylene	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
2,6-Dinitrotoluene	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
3-Nitroaniline	ug/L	28 U	26 U	27 U	28 U	30 U	26 U
Acenaphthene	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
2,4-Dinitrophenol	ug/L	28 U	26 U	27 U	28 U	30 U	26 U
4-Nitrophenol	ug/L	28 U	26 U	27 U	28 U	30 U	26 U
Dibenzofuran	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
2,4-Dinitrotoluene	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
Diethylphthalate	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
4-Chlorophenyl-phenylether	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
Fluorene	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
4-Nitroaniline	ug/L	28 U	26 U	27 U	28 U	30 U	26 U
4,6-Dinitro-2-methylphenol	ug/L	28 U	26 U	27 U	28 U	30 U	26 U
N-Nitrosodiphenylamine	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
4-Bromophenyl-phenylether	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
Hexachlorobenzene	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
Pentachlorophenol	ug/L	28 U	26 U	27 U	28 U	30 U	26 U
Phenanthrene	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
Anthracene	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
Carbazole	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
Di-n-butylphthalate	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
Fluoranthene	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
Pyrene	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
Butylbenzylphthalate	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
3,3'-Dichlorobenzidine	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
Benzo(a)anthracene	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
Chrysene	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
Di-n-octylphthalate	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
Benzo(b)fluoranthene	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
Benzo(k)fluoranthene	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
Benzo(a)pyrene	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
Dibenz(a,h)anthracene	ug/L	11 U	11 U	11 U	11 U	12 U	10 U
Benzo(g,h,i)perylene	ug/L	11 U	11 U	11 U	11 U	12 U	10 U

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

	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44
	SAMPLE DATE	04/17/94	04/17/94	04/17/94	04/27/94	04/17/94	04/17/94
	ES ID	SW44A-1	SW44A-2	SW44A-3	SW44A-4	SW44B-1	SW44B-2
	LAB ID	218085	218086	218087	219414	218088	218089
	SDG NUMBER	43549	43549	43549	43626	43549	43549
COMPOUND	UNITS						
PESTICIDES/PCB							
alpha-BHC	ug/L	0.054 U	0.055 U	0.058 U	0.06 U	0.058 U	0.052 U
beta-BHC	ug/L	0.054 U	0.055 U	0.058 U	0.06 U	0.058 U	0.052 U
delta-BHC	ug/L	0.054 U	0.055 U	0.058 U	0.06 U	0.058 U	0.052 U
gamma-BHC (Lindane)	ug/L	0.054 U	0.055 U	0.058 U	0.06 U	0.058 U	0.052 U
Heptachlor	ug/L	0.054 U	0.055 U	0.058 U	0.06 U	0.058 U	0.052 U
Aldrin	ug/L	0.054 U	0.055 U	0.058 U	0.06 U	0.058 U	0.052 U
Heptachlor epoxide	ug/L	0.054 U	0.055 U	0.058 U	0.06 U	0.058 U	0.052 U
Endosulfan I	ug/L	0.054 U	0.055 U	0.058 U	0.06 U	0.058 U	0.052 U
Dieldrin	ug/L	0.11 U	0.11 U	0.12 U	0.12 U	0.12 U	0.1 U
4,4'-DDE	ug/L	0.11 U	0.11 U	0.12 U	0.12 U	0.12 U	0.1 U
Endrin	ug/L	0.11 U	0.11 U	0.12 U	0.12 U	0.12 U	0.1 U
Endosulfan II	ug/L	0.11 U	0.11 U	0.12 U	0.12 U	0.12 U	0.1 U
4,4'-DDD	ug/L	0.11 U	0.11 U	0.12 U	0.12 U	0.12 U	0.1 U
Endosulfan sulfate	ug/L	0.11 U	0.11 U	0.12 U	0.12 U	0.12 U	0.1 U
4,4'-DDT	ug/L	0.11 U	0.11 U	0.12 U	0.12 U	0.12 U	0.1 U
Methoxychlor	ug/L	0.54 U	0.55 U	0.58 U	0.6 U	0.58 U	0.52 U
Endrin ketone	ug/L	0.11 U	0.11 U	0.12 U	0.12 U	0.12 U	0.1 U
Endrin aldehyde	ug/L	0.11 U	0.11 U	0.12 U	0.12 U	0.12 U	0.1 U
alpha-Chlordane	ug/L	0.054 U	0.055 U	0.058 U	0.06 U	0.058 U	0.052 U
gamma-Chlordane	ug/L	0.054 U	0.055 U	0.058 U	0.06 U	0.058 U	0.052 U
Toxaphene	ug/L	5.4 U	5.5 U	5.8 U	6 U	5.8 U	5.2 U
Aroclor-1016	ug/L	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	1 U
Aroclor-1221	ug/L	2.2 U	2.2 U	2.3 U	2.4 U	2.3 U	2.1 U
Aroclor-1232	ug/L	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	1 U
Aroclor-1242	ug/L	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	1 U
Aroclor-1248	ug/L	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	1 U
Aroclor-1254	ug/L	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	1 U
Aroclor-1260	ug/L	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	1 U
METALS							
Aluminum	ug/L	476	243	324	382	76.5 J	64.4 J
Antimony	ug/L	0.99 U	1 U	0.99 U	0.99 U	0.99 U	1 U
Arsenic	ug/L	1.5 U	1.5 U	1.5 U	1.5 U	5.8 J	11.6
Barium	ug/L	29.6 J	27.8 J	28.6 J	50.4 J	34 J	33.3 J
Beryllium	ug/L	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Cadmium	ug/L	0.23 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Calcium	ug/L	41800	40600	42700	156000	87000	93000
Chromium	ug/L	0.92 J	0.52 J	1 J	0.91 J	0.4 U	0.4 U
Cobalt	ug/L	0.6 U	0.6 U	0.59 U	1.1 J	0.6 U	0.6 U
Copper	ug/L	4.7 J	2 J	2.3 J	3.2 J	1.2 J	2.2 J
Iron	ug/L	632	344	479	525	79.8 J	75.5 J
Lead	ug/L	2.2 J	0.8 U	0.9 J	0.79 U	0.79 U	0.8 U
Magnesium	ug/L	7800	7670	8190	22500	8990	9070
Manganese	ug/L	9.8 J	8.3 J	6.3 J	165	2.7 J	5.3 J
Mercury	ug/L	0.05 J	0.05 J	0.05 J	0.03 U	0.05 J	0.05 J
Nickel	ug/L	174	1 J	1.9 J	2.7 J	0.68 J	0.66 J
Potassium	ug/L	1210 J	1150 J	1100 J	3600 J	2680 J	3290 J
Selenium	ug/L	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Silver	ug/L	0.7 U	0.7 U	0.69 U	0.69 U	0.7 U	0.7 U
Sodium	ug/L	3420 J	2760 J	2880 J	2730 J	73200	61000
Thallium	ug/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Vanadium	ug/L	1 J	0.7 U	1 J	0.69 U	0.7 U	0.7 U
Zinc	ug/L	1050	5.6 J	10.4 J	5.5 J	2 J	2.2 J
Cyanide	ug/L	5 U	5 U	5 U	5 UJ	5 U	5 U
OTHER ANALYSES							
Nitrate/Nitrite-Nitrogen	mg/L	0.04	0.02	0.01	0.06	0.01	0.01 U
Total Petroleum Hydrocarbons	mg/L						
pH	Standard Units	8	8.6	8.7	7.6	8.7	8.5
Conductivity	umhos/cm	180	168	175	800	700	690
Temperature	°C	8.8	8.1	7.5	22.7	16.2	16.5
Turbidity	NTU	12.2	9.1	9.4	14.2	2.9	2.8

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44
	DEPTH (FEET)	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
	SAMPLE DATE	04/17/94	04/17/94	04/17/94	04/27/94	04/17/94	04/17/94
	ES ID	SD44A-1	SD44A-2	SD44A-3	SD44A-4	SD44B-1	SD44B-2
	LAB ID	218073	218075	218076	219399	218077	218078
	SDG NUMBER	43543	43543	43543	43663	43543	43543
COMPOUND	UNITS						
VOLATILE ORGANICS							
Chloromethane	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
Bromomethane	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
Vinyl Chloride	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
Chloroethane	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
Methylene Chloride	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
Acetone	ug/Kg	14 U	21 U	27 U	14 U	18 U	81 U
Carbon Disulfide	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
1,1-Dichloroethene	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
1,1-Dichloroethane	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
1,2-Dichloroethene (total)	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
Chloroform	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
1,2-Dichloroethane	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
2-Butanone	ug/Kg	14 U	13 U	14 U	14 U	16 U	12 J
1,1,1-Trichloroethane	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
Carbon Tetrachloride	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
Bromodichloromethane	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
1,2-Dichloropropane	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
cis-1,3-Dichloropropene	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
Trichloroethene	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
Dibromochloromethane	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
1,1,2-Trichloroethane	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
Benzene	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
trans-1,3-Dichloropropene	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
Bromoform	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
4-Methyl-2-Pentanone	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
2-Hexanone	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
Tetrachloroethene	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
1,1,2,2-Tetrachloroethane	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
Toluene	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
Chlorobenzene	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
Ethylbenzene	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
Styrene	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
Xylene (total)	ug/Kg	14 U	13 U	14 U	14 U	16 U	18 U
HERBICIDES							
2,4-D	ug/Kg						
2,4-DB	ug/Kg						
2,4,5-T	ug/Kg						
2,4,5-TP (Silvex)	ug/Kg						
Dalapon	ug/Kg						
Dicamba	ug/Kg						
Dichloroprop	ug/Kg						
Dinoseb	ug/Kg						
MCPA	ug/Kg						
MCPP	ug/Kg						
NITROAROMATICS							
HMX	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
RDX	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
1,3,5-Trinitrobenzene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
1,3-Dinitrobenzene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
Tetryl	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
2,4,6-Trinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
4-amino-2,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
2-amino-4,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
2,6-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U
2,4-Dinitrotoluene	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U

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

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

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44	SEAD-44
	DEPTH (FEET)	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
	SAMPLE DATE	04/17/94	04/17/94	04/17/94	04/27/94	04/17/94	04/17/94
	ES ID	SD44A-1	SD44A-2	SD44A-3	SD44A-4	SD44B-1	SD44B-2
	LAB ID	218073	218075	218076	219399	218077	218078
	SDG NUMBER	43543	43543	43543	43663	43543	43543
COMPOUND	UNITS						
PESTICIDES/PCB							
alpha-BHC	ug/Kg	2.5 U	2.4 U	2.5 U	2.7 U	2.6 U	2.8 U
beta-BHC	ug/Kg	2.5 U	2.4 U	2.5 U	2.7 U	2.6 U	2.8 U
delta-BHC	ug/Kg	2.5 U	2.4 U	2.5 U	2.7 U	2.6 U	2.8 U
gamma-BHC (Lindane)	ug/Kg	2.5 U	2.4 U	2.5 U	2.7 U	2.6 U	2.8 U
Heptachlor	ug/Kg	2.5 U	2.4 U	2.5 U	2.7 U	2.6 U	2.8 U
Aldrin	ug/Kg	2.5 U	2.4 U	2.5 U	2.7 U	2.6 U	2.8 U
Heptachlor epoxide	ug/Kg	2.5 U	2.4 U	2.5 U	2.7 U	2.6 U	2.8 U
Endosulfan I	ug/Kg	2.5 U	2.4 U	2.5 U	2.7 U	2.6 U	2.8 U
Dieldrin	ug/Kg	4.8 U	4.6 U	4.9 U	5.2 U	5.1 U	5.4 U
4,4'-DDE	ug/Kg	4.8 U	4.6 U	4.9 U	5.2 U	5.1 U	5.4 U
Endrin	ug/Kg	4.8 U	4.6 U	4.9 U	5.2 U	5.1 U	5.4 U
Endosulfan II	ug/Kg	4.8 U	4.6 U	4.9 U	5.2 U	5.1 U	5.4 U
4,4'-DDD	ug/Kg	4.8 U	4.6 U	4.9 U	5.2 U	5.1 U	5.4 U
Endosulfan sulfate	ug/Kg	4.8 U	4.6 U	4.9 U	5.2 U	5.1 U	5.4 U
4,4'-DDT	ug/Kg	4.8 U	4.6 U	4.9 U	5.2 U	5.1 U	5.4 U
Methoxychlor	ug/Kg	25 U	24 U	25 U	27 U	26 U	28 U
Endrin ketone	ug/Kg	4.8 U	4.6 U	4.9 U	5.2 U	5.1 U	5.4 U
Endrin aldehyde	ug/Kg	4.8 U	4.6 U	4.9 U	5.2 U	5.1 U	5.4 U
alpha-Chlordane	ug/Kg	2.5 U	2.4 U	2.5 U	2.7 U	2.6 U	2.8 U
gamma-Chlordane	ug/Kg	2.5 U	2.4 U	2.5 U	2.7 U	2.6 U	2.8 U
Toxaphene	ug/Kg	250 U	240 U	250 U	270 U	260 U	280 U
Aroclor-1016	ug/Kg	48 U	46 U	49 U	52 U	51 U	54 U
Aroclor-1221	ug/Kg	97 U	94 U	99 U	110 U	100 U	110 U
Aroclor-1232	ug/Kg	48 U	46 U	49 U	52 U	51 U	54 U
Aroclor-1242	ug/Kg	48 U	46 U	49 U	52 U	51 U	54 U
Aroclor-1248	ug/Kg	48 U	46 U	49 U	52 U	51 U	54 U
Aroclor-1254	ug/Kg	48 U	46 U	49 U	52 U	51 U	54 U
Aroclor-1260	ug/Kg	48 U	46 U	49 U	52 U	51 U	54 U
METALS							
Aluminum	mg/Kg	13400	14000	9880	13300	13000	10300
Antimony	mg/Kg	0.4 J	0.19 J	0.27 UJ	0.16 UJ	0.37 J	0.3 UJ
Arsenic	mg/Kg	4.9	5.4	4.4	5.2	58.3	9.4
Barium	mg/Kg	121	86.8	86.1	91.2	93.8	68.6
Beryllium	mg/Kg	0.71 J	0.67 J	0.49 J	0.66 J	0.66 J	0.53 J
Cadmium	mg/Kg	0.37 J	0.41 J	0.26 J	0.29 J	0.38 J	0.23 J
Calcium	mg/Kg	3280	79400	12400	22400	4240	8780
Chromium	mg/Kg	19.8	20.7	14.8	18.7	19.8	14.6
Cobalt	mg/Kg	8.5 J	11	7.2 J	10.3	11.9	7.1 J
Copper	mg/Kg	17.5	25.6	17.8	18.6	19.1	14.6
Iron	mg/Kg	23000	26300	19200	24200	28400	17600
Lead	mg/Kg	13.1	12.6	10.7	13.6	17.7	13.6
Magnesium	mg/Kg	4100	12900	5520	7850	4530	4880
Manganese	mg/Kg	462	510	365	393 J	679	230
Mercury	mg/Kg	0.07 J	0.05 J	0.05 J	0.03 J	0.05 J	0.06 J
Nickel	mg/Kg	25.9	31.9	21	26.2	28.4	18.2
Potassium	mg/Kg	1640	2760	1190 J	1200	1500	1160 J
Selenium	mg/Kg	0.44 U	0.31 U	0.45 U	0.27 U	0.27 U	0.51 U
Silver	mg/Kg	0.18 U	0.13 U	0.19 U	0.11 U	0.11 U	0.21 U
Sodium	mg/Kg	41.4 U	69.7 J	42.3 U	52.7 J	378 J	97.6 J
Thallium	mg/Kg	0.53 J	0.29 U	0.43 U	0.25 U	0.26 U	0.48 U
Vanadium	mg/Kg	23.9	24	19.1	22.5	23.8	18.5
Zinc	mg/Kg	83.9	70.2	62.6	66.2	76.3	56.5
Cyanide	mg/Kg	0.71 U	0.57 U	0.73 U	0.68 U	0.76 U	0.81 U
OTHER ANALYSES							
Nitrate/Nitrite-Nitrogen	mg/Kg	1.39	0.07	0.01	0.03	0.06	0.03
Total Petroleum Hydrocarbons	mg/Kg						
Total Solids	%W/W	68.9	71.1	67.5	63.2	65	61.2

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-50	SEAD-50	SEAD-50	SEAD-50	SEAD-50	SEAD-50	SEAD-50	SEAD-50	SEAD-50	SEAD-50
	DEPTH (FEET)	0-1	0-0.2	0-1	0-1	0-0.2	0-0.2	0-1	0-1	0-0.2	0-1
	SAMPLE DATE	02/18/94	02/18/94	02/18/94	02/17/94	02/18/94	02/18/94	02/18/94	02/18/94	02/18/94	02/19/94
	ES ID	SS50-1	SS50-2	SS50-3	SS50-4	SS50-5	SS50-6	SS50-7	SS50-8	SS50-9	SS50-10
	LAB ID	211971	211972	211973	211728	211974	211975	211976	211977	211978	211979
	SDG NUMBER	42493	42493	42493	42460	42493	42493	42493	42493	42493	42493
COMPOUND	UNITS										
VOLATILE ORGANICS											
Chloromethane	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Bromomethane	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Vinyl Chloride	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Chloroethane	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Methylene Chloride	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Acetone	ug/Kg	14 U	83	13 U	72 U	16 U	41 U	12 U	12 U	22 U	14 U
Carbon Disulfide	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
1,1-Dichloroethene	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
1,1-Dichloroethane	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
1,2-Dichloroethene (total)	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Chloroform	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
1,2-Dichloroethane	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
2-Butanone	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
1,1,1-Trichloroethane	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Carbon Tetrachloride	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Bromodichloromethane	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
1,2-Dichloropropane	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
cis-1,3-Dichloropropene	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Trichloroethene	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Dibromochloromethane	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
1,1,2-Trichloroethane	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Benzene	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
trans-1,3-Dichloropropene	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Bromoform	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
4-Methyl-2-Pentanone	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
2-Hexanone	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Tetrachloroethene	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
1,1,2,2-Tetrachloroethane	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Toluene	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Chlorobenzene	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Ethylbenzene	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Styrene	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
Xylene (total)	ug/Kg	14 U	17 U	13 U	12 U	16 U	29 U	12 U	12 U	15 U	13 U
HERBICIDES											
2,4-D	ug/Kg										
2,4-DB	ug/Kg										
2,4,5-T	ug/Kg										
2,4,5-TP (Silvex)	ug/Kg										
Dalapon	ug/Kg										
Dicamba	ug/Kg										
Dichloroprop	ug/Kg										
Dinoseb	ug/Kg										
MCPA	ug/Kg										
MCPP	ug/Kg										
NITROAROMATICS											
HMX	ug/Kg										
RDX	ug/Kg										
1,3,5-Trinitrobenzene	ug/Kg										
1,3-Dinitrobenzene	ug/Kg										
Tetryl	ug/Kg										
2,4,6-Trinitrotoluene	ug/Kg										
4-amino-2,6-Dinitrotoluene	ug/Kg										
2-amino-4,6-Dinitrotoluene	ug/Kg										
2,6-Dinitrotoluene	ug/Kg										
2,4-Dinitrotoluene	ug/Kg										

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-50	SEAD-50	SEAD-50	SEAD-50	SEAD-50	SEAD-50	SEAD-50	SEAD-50	SEAD-50	SEAD-50
	DEPTH (FEET)	0-1	0-0.2	0-1	0-1	0-0.2	0-0.2	0-1	0-1	0-0.2	0-1
	SAMPLE DATE	02/18/94	02/18/94	02/18/94	02/17/94	02/18/94	02/18/94	02/18/94	02/18/94	02/18/94	02/19/94
	ES ID	SS50-1	SS50-2	SS50-3	SS50-4	SS50-5	SS50-6	SS50-7	SS50-8	SS50-9	SS50-10
	LAB ID	211971	211972	211973	211728	211974	211975	211976	211977	211978	211979
	SDG NUMBER	42493	42493	42493	42460	42493	42493	42493	42493	42493	42493
COMPOUND	UNITS										
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	31 J	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
bis(2-Chloroethyl) ether	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
2-Chlorophenol	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
1,3-Dichlorobenzene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
1,4-Dichlorobenzene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
1,2-Dichlorobenzene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
2-Methylphenol	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
4-Methylphenol	ug/Kg	490 U	100 J	480 U	410 U	95 J	310 J	390 U	370 U	430 U	430 U
N-Nitroso-di-n-propylamine	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
Hexachloroethane	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
Nitrobenzene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
Isophorone	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
2-Nitrophenol	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
2,4-Dimethylphenol	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
bis(2-Chloroethoxy) methane	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
2,4-Dichlorophenol	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
1,2,4-Trichlorobenzene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
Naphthalene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
4-Chloroaniline	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
Hexachlorobutadiene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
4-Chloro-3-methylphenol	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
2-Methylnaphthalene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
Hexachlorocyclopentadiene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
2,4,6-Trichlorophenol	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
2,4,5-Trichlorophenol	ug/Kg	1200 U	1500 U	1200 U	990 U	1100 U	1500 UJ	940 U	910 U	1000 U	1000 U
2-Chloronaphthalene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
2-Nitroaniline	ug/Kg	1200 U	1500 U	1200 U	990 U	1100 U	1500 UJ	940 U	910 U	1000 U	1000 U
Dimethylphthalate	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
Acenaphthylene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
2,6-Dinitrotoluene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
3-Nitroaniline	ug/Kg	1200 U	1500 U	1200 U	990 U	1100 U	1500 UJ	940 U	910 U	1000 U	1000 U
Acenaphthene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
2,4-Dinitrophenol	ug/Kg	1200 U	1500 U	1200 U	990 U	1100 U	1500 UJ	940 U	910 U	1000 U	1000 U
4-Nitrophenol	ug/Kg	1200 U	1500 U	1200 U	990 U	1100 U	1500 UJ	940 U	910 U	1000 U	1000 U
Dibenzofuran	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
2,4-Dinitrotoluene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
Diethylphthalate	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
4-Chlorophenyl-phenylether	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
Fluorene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
4-Nitroaniline	ug/Kg	1200 U	1500 U	1200 U	990 U	1100 U	1500 UJ	940 U	910 U	1000 U	1000 U
4,6-Dinitro-2-methylphenol	ug/Kg	1200 U	1500 U	1200 U	990 U	1100 U	1500 UJ	940 U	910 U	1000 U	1000 U
N-Nitrosodiphenylamine	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
4-Bromophenyl-phenylether	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
Hexachlorobenzene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
Pentachlorophenol	ug/Kg	1200 U	1500 U	1200 U	990 U	1100 U	1500 UJ	940 U	910 U	1000 U	1000 U
Phenanthrene	ug/Kg	490 U	150 J	480 U	20 J	27 J	140 J	390 U	370 U	40 J	430 U
Anthracene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
Carbazole	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
Di-n-butylphthalate	ug/Kg	35 J	56 J	33 J	410 U	34 J	610 UJ	34 J	22 J	46 J	28 J
Fluoranthene	ug/Kg	33 J	230 J	480 U	32 J	37 J	210 J	390 U	370 U	58 J	23 J
Pyrene	ug/Kg	25 J	160 J	480 U	27 J	30 J	140 J	390 U	370 U	47 J	430 U
Butylbenzylphthalate	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
3,3'-Dichlorobenzidine	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
Benzo(a)anthracene	ug/Kg	490 U	81 J	480 U	410 U	450 U	81 J	390 U	370 U	430 U	430 U
Chrysene	ug/Kg	490 U	100 J	480 U	410 U	450 U	97 J	390 U	370 U	430 U	430 U
bis(2-Ethylhexyl)phthalate	ug/Kg	950	720	760	690	820	980 J	500	1300	330 J	150 J
Di-n-octylphthalate	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
Benzo(b)fluoranthene	ug/Kg	490 U	180 J	480 U	410 U	450 U	99 J	390 U	370 U	430 U	430 U
Benzo(k)fluoranthene	ug/Kg	490 U	610 UJ	480 U	410 U	450 U	80 J	390 U	370 U	30 J	430 U
Benzo(a)pyrene	ug/Kg	490 U	78 J	480 U	410 U	450 U	84 J	390 U	370 U	430 U	430 U
Indeno(1,2,3-cd)pyrene	ug/Kg	490 U	69 J	480 U	410 U	450 U	64 J	390 U	370 U	430 U	430 U
Dibenz(a,h)anthracene	ug/Kg	490 U	610 U	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U
Benzo(g,h,i)perylene	ug/Kg	490 U	56 J	480 U	410 U	450 U	610 UJ	390 U	370 U	430 U	430 U

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

COMPOUND	UNITS									
MATRIX		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
LOCATION		SEAD-50	SEAD-50	SEAD-50	SEAD-50	SEAD-50	SEAD-50	SEAD-50	SEAD-50	SEAD-50	SEAD-50
DEPTH (FEET)		0-1	0-0.2	0-1	0-1	0-0.2	0-0.2	0-1	0-1	0-0.2	0-1
SAMPLE DATE		02/18/94	02/18/94	02/18/94	02/17/94	02/18/94	02/18/94	02/18/94	02/18/94	02/18/94	02/19/94
ES ID		SS50-1	SS50-2	SS50-3	SS50-4	SS50-5	SS50-6	SS50-7	SS50-8	SS50-9	SS50-10
LAB ID		211971	211972	211973	211728	211974	211975	211976	211977	211978	211979
SDG NUMBER		42493	42493	42493	42460	42493	42493	42493	42493	42493	42493
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2.5 U	3.1 U	2.5 U	2.1 U	2.3 U	3.2 U	2 U	1.9 U	2.2 U	2.2 U
beta-BHC	ug/Kg	2.5 U	3.1 U	2.5 U	2.1 U	2.3 U	3.2 U	2 U	1.9 U	2.2 U	2.2 U
delta-BHC	ug/Kg	2.5 U	3.1 U	2.5 U	2.1 U	2.3 U	3.2 U	2 U	1.9 U	2.2 U	2.2 U
gamma-BHC (Lindane)	ug/Kg	2.5 U	3.1 U	2.5 U	2.1 U	2.3 U	3.2 U	2 U	1.9 U	2.2 U	2.2 U
Heptachlor	ug/Kg	2.5 U	3.1 U	2.5 U	2.1 U	2.3 U	3.2 U	2 U	1.9 U	1.3 J	2.2 U
Aldrin	ug/Kg	2.5 U	3.1 U	2.5 U	2.1 U	1.3 J	3.2 U	2 U	1.9 U	2.2 U	2.2 U
Heptachlor epoxide	ug/Kg	2.5 U	3.1 U	2.5 U	2.1 U	2.4	2.1 J	2 U	1.9 U	2.2 U	2.2 U
Endosulfan I	ug/Kg	2.5 U	3.1 U	2.5 U	2.1 U	2.3 U	3.2 U	2 U	1.9 U	2.2 U	2.2 U
Dieldrin	ug/Kg	4.8 U	6.1 U	4.8 U	4.1 U	4.4 U	6.2 U	3.9 U	3.7 U	4.3 U	4.3 U
4,4'-DDE	ug/Kg	4.8 U	6.1 U	4.8 U	4.1 U	3.1 J	6.2 U	3.9 U	3.7 U	2.9 J	4.3 U
Endrin	ug/Kg	4.8 U	6.1 U	4.8 U	4.1 U	4.4 U	6.2 U	3.9 U	3.7 U	4.3 U	4.3 U
Endosulfan II	ug/Kg	4.8 U	6.1 U	4.8 U	4.1 U	4.4 U	6.2 U	3.9 U	3.7 U	4.3 U	4.3 U
4,4'-DDD	ug/Kg	4.8 U	6.1 U	4.8 U	4.1 U	4.4 U	6.2 U	3.9 U	3.7 U	4.3 U	4.3 U
Endosulfan sulfate	ug/Kg	4.8 U	6.1 U	4.8 U	4.1 U	4.4 U	6.2 U	3.9 U	3.7 U	4.3 U	4.3 U
4,4'-DDT	ug/Kg	4.8 U	6.1 U	4.8 U	4.1 U	2.2 J	6.2 U	3.9 U	3.7 U	1.9 J	4.3 U
Methoxychlor	ug/Kg	25 U	31 U	25 U	21 U	23 U	32 U	20 U	19 U	22 U	22 U
Endrin ketone	ug/Kg	4.8 U	6.1 U	4.8 U	4.1 U	4.4 U	6.2 U	3.9 U	3.7 U	4.3 U	4.3 U
Endrin aldehyde	ug/Kg	4.8 U	6.1 U	4.8 U	4.1 U	4.4 U	6.2 U	3.9 U	3.7 U	4.3 U	4.3 U
alpha-Chlordane	ug/Kg	2.5 U	3.1 U	2.5 U	2.1 U	2.3 U	3.2 U	2 U	1.9 U	2.2 U	2.2 U
gamma-Chlordane	ug/Kg	2.5 U	3.1 U	2.5 U	2.1 U	2.3 U	3.2 U	2 U	1.9 U	2.2 U	2.2 U
Toxaphene	ug/Kg	250 U	310 U	250 U	210 U	230 U	320 U	200 U	190 U	220 U	220 U
Aroclor-1016	ug/Kg	48 U	61 U	48 U	41 U	44 U	62 U	39 U	37 U	43 U	43 U
Aroclor-1221	ug/Kg	98 U	120 U	97 U	83 U	90 U	130 U	79 U	76 U	87 U	87 U
Aroclor-1232	ug/Kg	48 U	61 U	48 U	41 U	44 U	62 U	39 U	37 U	43 U	43 U
Aroclor-1242	ug/Kg	48 U	61 U	48 U	41 U	75	62 U	39 U	49	43 U	43 U
Aroclor-1248	ug/Kg	48 U	61 U	48 U	41 U	44 U	62 U	39 U	37 U	43 U	43 U
Aroclor-1254	ug/Kg	48 U	61 U	48 U	41 U	44 U	62 U	39 U	37 U	43 U	75
Aroclor-1260	ug/Kg	48 U	61 U	48 U	41 U	25 J	62 U	39 U	37 U	43 U	43 U
METALS											
Aluminum	mg/Kg	14500	13500	12500	15100 J	9050	12500	13800	9150	12300	11300
Antimony	mg/Kg	1.4 J	1.6 J	2.9 J	7.1 J	2.7 J	1.5 J	1.7 J	0.71 J	2.3 J	0.95 J
Arsenic	mg/Kg	4.9	57.4	5	5.1 J	3.7	151	7.6	4.7	7.5	4.9
Barium	mg/Kg	95.6	115	87.5	96.8 J	66.2	103	55.5	58.1	39 J	63.2
Beryllium	mg/Kg	0.61 J	0.59 J	0.59 J	0.68 J	0.38 J	0.56 J	0.57 J	0.36 J	0.45 J	0.45 J
Cadmium	mg/Kg	0.17 J	0.22 J	0.12 J	0.46 U	0.25 J	0.19 J	0.09 J	0.28 J	0.09 J	0.17 J
Calcium	mg/Kg	12500 J	4740 J	6220 J	3650 J	46800 J	4650 J	27300 J	120000 J	3480 J	24000 J
Chromium	mg/Kg	26.3	21.7	20.4	34.6	60.7	19.9	28.1	32.6	40.9	23.5
Cobalt	mg/Kg	11 J	9 J	8.8 J	9.9 J	7.4 J	7.3 J	12.6	6.4 J	11.2	8 J
Copper	mg/Kg	24.8	24.4	18.7	16.9	22.2	18.5	35.2	13.9	18.4	18.9
Iron	mg/Kg	25600	22800	22800	24400 J	18000	21700	29400	18200	28600	26100
Lead	mg/Kg	94.8	40.1	27	74	398	25.2	52.7	242	181	48.4
Magnesium	mg/Kg	5300	3900	3930	3840 J	21100	3550	6600	15700	5690	11200
Manganese	mg/Kg	569	630	490	539 R	350	487	374	604	413	430
Mercury	mg/Kg	0.06 J	0.05 J	0.04 J	0.04 J	0.37	0.22	0.02 J	0.04 J	0.03 J	0.03 J
Nickel	mg/Kg	35 J	25.2 J	22.8 J	24.3	22.9 J	20.8 J	42.6 J	15.4 J	30.2 J	22 J
Potassium	mg/Kg	1780 J	2160 J	1040 J	1190	1430 J	1550 J	1680 J	1540 J	1030 J	1490 J
Selenium	mg/Kg	0.95 J	1.1 J	0.52 J	0.23 UJ	0.25 J	0.71 J	0.59 J	0.67 J	0.53 J	0.21 J
Silver	mg/Kg	0.16 U	0.25 U	0.16 U	0.91 U	0.11 U	0.21 U	0.15 U	0.34 J	0.14 U	0.12 U
Sodium	mg/Kg	64.7 J	55.6 U	42.5 J	43 U	86.1 J	66 J	81.6 J	89.3 J	53 J	60.7 J
Thallium	mg/Kg	0.29 U	0.3 U	0.2 U	0.25 U	0.24 U	0.33 U	0.16 U	0.2 U	0.26 U	0.19 U
Vanadium	mg/Kg	23.8	24.9	22.6	26.1	15.6	23.2	21	17	16.4	19.2
Zinc	mg/Kg	109	100	71.9	88.9 J	152	101	81.2	104	114	87.4
Cyanide	mg/Kg	0.67 U	0.9 U	0.67 U	0.54 U	0.65 U	0.91 U	0.57 U	0.54 U	0.64 U	0.56 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	67.8	53.8	68.9	80.6	73.9	53.3	84.9	88	76.8	77

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

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

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-50	SEAD-50	SEAD-50	SEAD-50	SEAD-50	SEAD-50
	DEPTH (FEET)	0-0.2	0-0.2	0-1	0-0.2	0-1	0-0.2
	SAMPLE DATE	02/19/94	02/19/94	02/19/94	02/19/94	02/19/94	02/19/94
	ES ID	SS50-11	SS50-11RE	SS50-12	SS50-13	SS50-14	SS50-15
	LAB ID	211965	211965	211980	211981	211982	211983
	SDG NUMBER	42460	42460	42493	42493	42493	42493
COMPOUND	UNITS						
SEMIVOLATILE ORGANICS							
Phenol	ug/Kg	2300 U		420 U	480 U	420 U	520 U
bis(2-Chloroethyl) ether	ug/Kg	2300 U		420 U	480 U	420 U	520 U
2-Chlorophenol	ug/Kg	2300 U		420 U	480 U	420 U	520 U
1,3-Dichlorobenzene	ug/Kg	2300 U		420 U	480 U	420 U	520 U
1,4-Dichlorobenzene	ug/Kg	2300 U		420 U	480 U	420 U	520 U
1,2-Dichlorobenzene	ug/Kg	2300 U		420 U	480 U	420 U	520 U
2-Methylphenol	ug/Kg	2300 U		420 U	480 U	420 U	520 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	2300 U		420 U	480 U	420 U	520 U
4-Methylphenol	ug/Kg	2300 U		420 U	480 U	420 U	520 U
N-Nitroso-di-n-propylamine	ug/Kg	2300 U		420 U	480 U	420 U	520 U
Hexachloroethane	ug/Kg	2300 U		420 U	480 U	420 U	520 U
Nitrobenzene	ug/Kg	2300 U		420 U	480 U	420 U	520 U
Isophorone	ug/Kg	2300 U		420 U	480 U	420 U	520 U
2-Nitrophenol	ug/Kg	2300 U		420 U	480 U	420 U	520 U
2,4-Dimethylphenol	ug/Kg	2300 U		420 U	480 U	420 U	520 U
bis(2-Chloroethoxy) methane	ug/Kg	2300 U		420 U	480 U	420 U	520 U
2,4-Dichlorophenol	ug/Kg	2300 U		420 U	480 U	420 U	520 U
1,2,4-Trichlorobenzene	ug/Kg	2300 U		420 U	480 U	420 U	520 U
Naphthalene	ug/Kg	2300 U		420 U	480 U	420 U	520 U
4-Chloroaniline	ug/Kg	2300 U		420 U	480 U	420 U	520 U
Hexachlorobutadiene	ug/Kg	2300 U		420 U	480 U	420 U	520 U
4-Chloro-3-methylphenol	ug/Kg	2300 U		420 U	480 U	420 U	520 U
2-Methylnaphthalene	ug/Kg	2300 U		420 U	480 U	420 U	520 U
Hexachlorocyclopentadiene	ug/Kg	2300 U		420 U	480 U	420 U	520 U
2,4,6-Trichlorophenol	ug/Kg	2300 U		420 U	480 U	420 U	520 U
2,4,5-Trichlorophenol	ug/Kg	5500 U		1000 U	1200 U	1000 U	1200 U
2-Chloronaphthalene	ug/Kg	2300 U		420 U	480 U	420 U	520 U
2-Nitroaniline	ug/Kg	5500 U		1000 U	1200 U	1000 U	1200 U
Dimethylphthalate	ug/Kg	2300 U		420 U	480 U	420 U	520 U
Acenaphthylene	ug/Kg	2300 U		420 U	480 U	420 U	520 U
2,6-Dinitrotoluene	ug/Kg	2300 U		420 U	480 U	420 U	520 U
3-Nitroaniline	ug/Kg	5500 U		1000 U	1200 U	1000 U	1200 U
Acenaphthene	ug/Kg	930 J		420 U	480 U	420 U	51 J
2,4-Dinitrophenol	ug/Kg	5500 U		1000 U	1200 U	1000 U	1200 U
4-Nitrophenol	ug/Kg	5500 U		1000 U	1200 U	1000 U	1200 U
Dibenzofuran	ug/Kg	260 J		420 U	480 U	420 U	520 U
2,4-Dinitrotoluene	ug/Kg	2300 U		420 U	480 U	420 U	520 U
Diethylphthalate	ug/Kg	2300 U		420 U	480 U	420 U	520 U
4-Chlorophenyl-phenylether	ug/Kg	2300 U		420 U	480 U	420 U	520 U
Fluorene	ug/Kg	590 J		420 U	480 U	420 U	36 J
4-Nitroaniline	ug/Kg	5500 U		1000 U	1200 U	1000 U	1200 U
4,6-Dinitro-2-methylphenol	ug/Kg	5500 U		1000 U	1200 U	1000 U	1200 U
N-Nitrosodiphenylamine	ug/Kg	2300 U		420 U	480 U	420 U	520 U
4-Bromophenyl-phenylether	ug/Kg	2300 U		420 U	480 U	420 U	520 U
Hexachlorobenzene	ug/Kg	2300 U		420 U	480 U	420 U	520 U
Pentachlorophenol	ug/Kg	5500 U		1000 U	1200 U	1000 U	1200 U
Phenanthrene	ug/Kg	7800		26 J	53 J	370 J	530
Anthracene	ug/Kg	1500 J		420 U	480 U	81 J	100 J
Carbazole	ug/Kg	1100 J		420 U	480 U	71 J	67 J
Di-n-butylphthalate	ug/Kg	2300 U		51 J	51 J	36 J	30 J
Fluoranthene	ug/Kg	14000		41 J	86 J	1300	1300
Pyrene	ug/Kg	12000		31 J	73 J	1200	1000
Butylbenzylphthalate	ug/Kg	2300 U		420 U	480 U	420 U	520 U
3,3'-Dichlorobenzidine	ug/Kg	2300 U		420 U	480 U	420 U	520 U
Benzo(a)anthracene	ug/Kg	5200		420 U	35 J	830	650
Chrysene	ug/Kg	5500		420 U	53 J	840	670
bis(2-Ethylhexyl)phthalate	ug/Kg	640 J		1800	960	610	1300
Di-n-octylphthalate	ug/Kg	2300 U		420 U	480 U	420 U	520 U
Benzo(b)fluoranthene	ug/Kg	4400		420 U	45 J	860	690
Benzo(k)fluoranthene	ug/Kg	4000		420 U	43 J	600	410 J
Benzo(a)pyrene	ug/Kg	3700		420 U	40 J	660	520
Indeno(1,2,3-cd)pyrene	ug/Kg	1800 J		420 U	480 U	400 J	360 J
Dibenz(a,h)anthracene	ug/Kg	840 J		420 U	480 U	200 J	190 J
Benzo(g,h,i)perylene	ug/Kg	1800 J		420 U	480 U	270 J	240 J

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-50	SEAD-50	SEAD-50	SEAD-50	SEAD-50	SEAD-50
	DEPTH (FEET)	0-0.2	0-0.2	0-1	0-0.2	0-1	0-0.2
	SAMPLE DATE	02/19/94	02/19/94	02/19/94	02/19/94	02/19/94	02/19/94
	ES ID	SS50-11	SS50-11RE	SS50-12	SS50-13	SS50-14	SS50-15
	LAB ID	211965	211965	211980	211981	211982	211983
	SDG NUMBER	42460	42460	42493	42493	42493	42493
COMPOUND	UNITS						
PESTICIDES/PCB							
alpha-BHC	ug/Kg	2.3 U		4.3 U	2.5 U	2.2 U	2.7 U
beta-BHC	ug/Kg	2.3 U		4.3 U	2.5 U	2.2 U	2.7 U
delta-BHC	ug/Kg	2.3 U		4.3 U	2.5 U	2.2 U	2.7 U
gamma-BHC (Lindane)	ug/Kg	2.3 U		4.3 U	2.5 U	2.2 U	2.7 U
Heptachlor	ug/Kg	2.3 U		4.3 U	2.5 U	2.2 U	2.7 U
Aldrin	ug/Kg	2.3 U		4.3 U	2.5 U	2.2 U	2.7 U
Heptachlor epoxide	ug/Kg	2.3 U		4.3 U	2.5 U	2.2 U	2.7 U
Endosulfan I	ug/Kg	2.3 U		4.3 U	2.5 U	13	2.7 U
Dieldrin	ug/Kg	4.5 U		59 J	4.8 U	28 J	5.2 U
4,4'-DDE	ug/Kg	4.5 U		8.4 U	4.8 U	4.8 J	4 J
Endrin	ug/Kg	2.8 J		8.4 U	4.8 U	4.2 U	5.2 U
Endosulfan II	ug/Kg	4.5 U		8.4 U	4.8 U	4.2 U	5.2 U
4,4'-DDD	ug/Kg	4.5 U		8.4 U	4.8 U	2.2 J	5.2 U
Endosulfan sulfate	ug/Kg	4.5 U		8.4 U	4.8 U	4.2 U	5.2 U
4,4'-DDT	ug/Kg	4.5 U		8.4 U	4.8 U	4.1 J	4.1 J
Methoxychlor	ug/Kg	23 U		43 U	25 U	22 U	27 U
Endrin ketone	ug/Kg	4.5 U		8.4 U	4.8 U	4.2 U	5.2 U
Endrin aldehyde	ug/Kg	4.5 U		8.4 U	4.8 U	4.2 U	5.2 U
alpha-Chlordane	ug/Kg	3.8 J		4.3 U	2.5 U	2.2 U	2.7 U
gamma-Chlordane	ug/Kg	2.3 U		4.3 U	2.5 U	2.2 U	2.7 U
Toxaphene	ug/Kg	230 U		430 U	250 U	220 U	270 U
Aroclor-1016	ug/Kg	45 U		84 U	48 U	42 U	52 U
Aroclor-1221	ug/Kg	92 U		170 U	97 U	85 U	100 U
Aroclor-1232	ug/Kg	45 U		84 U	48 U	42 U	52 U
Aroclor-1242	ug/Kg	45 U		84 U	48 U	37 J	52 U
Aroclor-1248	ug/Kg	45 U		84 U	48 U	42 U	52 U
Aroclor-1254	ug/Kg	45 U		84 U	48 U	24 J	52 U
Aroclor-1260	ug/Kg	45 U		84 U	48 U	42 U	52 U
METALS							
Aluminum	mg/Kg	15300 J		15200	13800	10600	13300
Antimony	mg/Kg	5.2 UJ		0.55 J	0.63 J	0.6 J	0.85 J
Arsenic	mg/Kg	6 J		37.6	6.4	6.2	6.3
Barium	mg/Kg	101 J		91.2	78	73.1	92.1
Beryllium	mg/Kg	0.71 J		0.65 J	0.55 J	0.4 J	0.59 J
Cadmium	mg/Kg	0.51 U		0.15 J	0.09 J	0.8 J	0.22 J
Calcium	mg/Kg	15200 J		3870 J	10600 J	80100 J	18000 J
Chromium	mg/Kg	29.9		22.7	21.1	21.8	25.7
Cobalt	mg/Kg	10.3 J		11.6	10.4 J	9.2 J	12.6
Copper	mg/Kg	23.6		19.6	22.2	20.9	28.1
Iron	mg/Kg	27000 J		29400	26200	19700	30000
Lead	mg/Kg	25.7		18.5	22.6	61.4	45.3
Magnesium	mg/Kg	7510 J		4570	6330	48300	6780
Manganese	mg/Kg	496 R		722	461	548	589
Mercury	mg/Kg	0.05 J		0.05 J	0.05 J	0.03 J	0.03 J
Nickel	mg/Kg	37.2		30.1 J	28.9 J	24.4 J	37 J
Potassium	mg/Kg	2170		1600 J	1760 J	2140 J	1890 J
Selenium	mg/Kg	0.41 J		0.41 J	0.33 J	0.55 J	0.44 J
Silver	mg/Kg	1 U		0.16 J	0.18 U	0.16 U	0.14 U
Sodium	mg/Kg	63.7 J		26.7 U	64.9 J	136 J	64.6 J
Thallium	mg/Kg	0.32 U		0.26 U	0.2 U	0.22 U	0.21 U
Vanadium	mg/Kg	26.2		24.6	23.4	19.8	21.3
Zinc	mg/Kg	110 J		93.7	87.9	102	141
Cyanide	mg/Kg	0.58 U		0.59 U	0.7 U	0.6 U	0.75 U
OTHER ANALYSES							
Nitrate/Nitrite-Nitrogen	mg/Kg						
Total Petroleum Hydrocarbons	mg/Kg						
Total Solids	%W/W	72.9		76.2	69.3	78.8	63.9

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

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

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

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

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

	MATRIX	WATER	WATER	WATER
	LOCATION	SEAD-50	SEAD-50	SEAD-50
	SAMPLE DATE	07/12/94	07/18/94	07/18/94
	ES ID	MW50-1	MW50-2	MW50-3
	LAB ID	226794	227267	227268
	SDG NUMBER	45332	45332	45332
COMPOUND	UNITS			
PESTICIDES/PCB				
alpha-BHC	ug/L	0.054 U	0.051 U	0.052 U
beta-BHC	ug/L	0.054 U	0.051 U	0.052 U
delta-BHC	ug/L	0.054 U	0.051 U	0.052 U
gamma-BHC (Lindane)	ug/L	0.054 U	0.051 U	0.052 U
Heptachlor	ug/L	0.054 U	0.051 U	0.052 U
Aldrin	ug/L	0.054 U	0.051 U	0.052 U
Heptachlor epoxide	ug/L	0.054 U	0.051 U	0.052 U
Endosulfan I	ug/L	0.054 U	0.051 U	0.052 U
Dieldrin	ug/L	0.11 U	0.1 U	0.1 U
4,4'-DDE	ug/L	0.11 U	0.1 U	0.1 U
Endrin	ug/L	0.11 U	0.1 U	0.1 U
Endosulfan II	ug/L	0.11 U	0.1 U	0.1 U
4,4'-DDD	ug/L	0.11 U	0.1 U	0.1 U
Endosulfan sulfate	ug/L	0.11 U	0.1 U	0.1 U
4,4'-DDT	ug/L	0.11 U	0.1 U	0.1 U
Methoxychlor	ug/L	0.54 U	0.51 U	0.52 U
Endrin ketone	ug/L	0.11 U	0.1 U	0.1 U
Endrin aldehyde	ug/L	0.11 U	0.1 U	0.1 U
alpha-Chlordane	ug/L	0.054 U	0.051 U	0.052 U
gamma-Chlordane	ug/L	0.054 U	0.051 U	0.052 U
Toxaphene	ug/L	5.4 U	5.1 U	5.2 U
Aroclor-1016	ug/L	1.1 U	1 U	1 U
Aroclor-1221	ug/L	2.1 U	2 U	2.1 U
Aroclor-1232	ug/L	1.1 U	1 U	1 U
Aroclor-1242	ug/L	1.1 U	1 U	1 U
Aroclor-1248	ug/L	1.1 U	1 U	1 U
Aroclor-1254	ug/L	1.1 U	1 U	1 U
Aroclor-1260	ug/L	1.1 U	1 U	1 U
METALS				
Aluminum	ug/L	1790 J	137 J	19.6 J
Antimony	ug/L	1.3 U	1.3 U	1.3 U
Arsenic	ug/L	2.2 J	2 U	2 U
Barium	ug/L	50.8 J	68.9 J	96.5 J
Beryllium	ug/L	0.1 U	0.1 U	0.1 U
Cadmium	ug/L	0.2 U	0.2 U	0.2 U
Calcium	ug/L	153000	113000	113000
Chromium	ug/L	3 J	0.4 U	0.4 U
Cobalt	ug/L	4.9 J	1.6 J	0.62 J
Copper	ug/L	1.4 J	0.5 U	0.5 U
Iron	ug/L	5070	1400	206
Lead	ug/L	0.9 U	0.89 U	0.89 U
Magnesium	ug/L	40200	20800	16900
Manganese	ug/L	1040	791	317
Mercury	ug/L	0.05 J	0.04 U	0.04 U
Nickel	ug/L	8 J	2 J	0.69 U
Potassium	ug/L	4460 J	5770 J	10400 J
Selenium	ug/L	2.7 U	2.7 U	2.7 U
Silver	ug/L	0.5 U	0.75 J	0.76 J
Sodium	ug/L	22700	91200	10000
Thallium	ug/L	1.9 J	3 J	1.9 U
Vanadium	ug/L	3 J	0.5 U	0.54 J
Zinc	ug/L	20.2	2.4 J	2.2 U
Cyanide	ug/L	5 U	5 U	5 U
OTHER ANALYSES				
Nitrate/Nitrite-Nitrogen	mg/L			
Total Petroleum Hydrocarbons	mg/L			
pH	Standard Units	6.9	7	7.2
Conductivity	umhos/cm	820	900	580
Temperature	°C	17	17.9	18.7
Turbidity	NTU	160	27.7	1.5

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

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

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

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

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

	MATRIX	WATER	WATER	WATER
	LOCATION	SEAD-50	SEAD-50	SEAD-50
	SAMPLE DATE	04/19/94	04/19/94	04/19/94
	ES ID	SW50-1	SW50-2	SW50-3
	LAB ID	218499	218500	218501
	SDG NUMBER	43626	43626	43626
COMPOUND	UNITS			
PESTICIDES/PCB				
alpha-BHC	ug/L	0.052 U	0.052 U	0.053 U
beta-BHC	ug/L	0.052 U	0.052 U	0.053 U
delta-BHC	ug/L	0.052 U	0.052 U	0.053 U
gamma-BHC (Lindane)	ug/L	0.052 U	0.052 U	0.053 U
Heptachlor	ug/L	0.052 U	0.052 U	0.053 U
Aldrin	ug/L	0.052 U	0.052 U	0.053 U
Heptachlor epoxide	ug/L	0.052 U	0.052 U	0.053 U
Endosulfan I	ug/L	0.052 U	0.052 U	0.053 U
Dieldrin	ug/L	0.1 U	0.1 U	0.11 U
4,4'-DDE	ug/L	0.1 U	0.1 U	0.11 U
Endrin	ug/L	0.1 U	0.1 U	0.11 U
Endosulfan II	ug/L	0.1 U	0.1 U	0.11 U
4,4'-DDD	ug/L	0.1 U	0.1 U	0.11 U
Endosulfan sulfate	ug/L	0.1 U	0.1 U	0.11 U
4,4'-DDT	ug/L	0.1 U	0.1 U	0.11 U
Methoxychlor	ug/L	0.52 U	0.52 U	0.53 U
Endrin ketone	ug/L	0.1 U	0.1 U	0.11 U
Endrin aldehyde	ug/L	0.1 U	0.1 U	0.11 U
alpha-Chlordane	ug/L	0.052 U	0.052 U	0.053 U
gamma-Chlordane	ug/L	0.052 U	0.052 U	0.053 U
Toxaphene	ug/L	5.2 U	5.2 U	5.3 U
Aroclor-1016	ug/L	1 U	1 U	1.1 U
Aroclor-1221	ug/L	2.1 U	2.1 U	2.1 U
Aroclor-1232	ug/L	1 U	1 U	1.1 U
Aroclor-1242	ug/L	1 U	1 U	1.1 U
Aroclor-1248	ug/L	1 U	1 U	1.1 U
Aroclor-1254	ug/L	1 U	1 U	1.1 U
Aroclor-1260	ug/L	1 U	1 U	1.1 U
METALS				
Aluminum	ug/L	376	63.1 J	68.2 J
Antimony	ug/L	0.99 U	0.99 U	1 U
Arsenic	ug/L	22.1	4.5 J	1.5 U
Barium	ug/L	33.4 J	34.3 J	21.9 J
Beryllium	ug/L	0.06 U	0.06 U	0.06 U
Cadmium	ug/L	0.1 U	0.1 U	0.1 U
Calcium	ug/L	82700	85200	43400
Chromium	ug/L	0.88 J	0.4 U	1.3 J
Cobalt	ug/L	0.6 U	0.6 U	0.6 U
Copper	ug/L	2.1 J	1.1 J	1.8 J
Iron	ug/L	575	91.8 J	121
Lead	ug/L	0.89 J	0.8 U	0.8 U
Magnesium	ug/L	12300	13200	8660
Manganese	ug/L	67.9	6.6 J	7.1 J
Mercury	ug/L	0.03 U	0.03 U	0.03 U
Nickel	ug/L	1.7 J	0.6 U	0.83 J
Potassium	ug/L	3140 J	1210 J	822 J
Selenium	ug/L	1.7 U	1.7 U	1.7 U
Silver	ug/L	0.69 U	0.7 U	0.7 U
Sodium	ug/L	1890 J	11000	11200
Thallium	ug/L	1.6 U	1.6 U	1.6 U
Vanadium	ug/L	1.1 J	0.7 U	0.7 U
Zinc	ug/L	10.5 J	8.1 J	1.5 J
Cyanide	ug/L	5 UJ	5 UJ	5 UJ
OTHER ANALYSES				
Nitrate/Nitrite-Nitrogen	mg/L			
Total Petroleum Hydrocarbons	mg/L			
pH	Standard Units	7.1	7.7	8.4
Conductivity	umhos/cm	360	450	260
Temperature	°C	13.2	15.7	16
Turbidity	NTU	1	5.1	1.6

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

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

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

	MATRIX	SOIL	SOIL	SOIL
	LOCATION	SEAD-50	SEAD-50	SEAD-50
	DEPTH (FEET)	0-0.2	0-0.2	0-0.2
	SAMPLE DATE	04/19/94	04/19/94	04/19/94
	ES ID	SD50-1	SD50-2	SD50-3
	LAB ID	218502	218503	218504
	SDG NUMBER	43663	43663	43663
COMPOUND	UNITS			
SEMIVOLATILE ORGANICS				
Phenol	ug/Kg	610 U	690 UJ	420 U
bis(2-Chloroethyl) ether	ug/Kg	610 U	690 UJ	420 U
2-Chlorophenol	ug/Kg	610 U	690 UJ	420 U
1,3-Dichlorobenzene	ug/Kg	610 U	690 UJ	420 U
1,4-Dichlorobenzene	ug/Kg	610 U	690 UJ	420 U
1,2-Dichlorobenzene	ug/Kg	610 U	690 UJ	420 U
2-Methylphenol	ug/Kg	610 U	690 UJ	420 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	610 U	690 UJ	420 U
4-Methylphenol	ug/Kg	44 J	110 J	420 U
N-Nitroso-di-n-propylamine	ug/Kg	610 U	690 UJ	420 U
Hexachloroethane	ug/Kg	610 U	690 UJ	420 U
Nitrobenzene	ug/Kg	610 U	690 UJ	420 U
Isophorone	ug/Kg	610 U	690 UJ	420 U
2-Nitrophenol	ug/Kg	610 U	690 UJ	420 U
2,4-Dimethylphenol	ug/Kg	610 U	690 UJ	420 U
bis(2-Chloroethoxy) methane	ug/Kg	610 U	690 UJ	420 U
2,4-Dichlorophenol	ug/Kg	610 U	690 UJ	420 U
1,2,4-Trichlorobenzene	ug/Kg	610 U	690 UJ	420 U
Naphthalene	ug/Kg	610 U	690 UJ	420 U
4-Chloroaniline	ug/Kg	610 U	690 UJ	420 U
Hexachlorobutadiene	ug/Kg	610 U	690 UJ	420 U
4-Chloro-3-methylphenol	ug/Kg	610 U	690 UJ	420 U
2-Methylnaphthalene	ug/Kg	610 U	690 UJ	420 U
Hexachlorocyclopentadiene	ug/Kg	610 U	690 UJ	420 U
2,4,6-Trichlorophenol	ug/Kg	610 U	690 UJ	420 U
2,4,5-Trichlorophenol	ug/Kg	1500 U	1700 UJ	1000 U
2-Chloronaphthalene	ug/Kg	610 U	690 UJ	420 U
2-Nitroaniline	ug/Kg	1500 U	1700 UJ	1000 U
Dimethylphthalate	ug/Kg	610 U	690 UJ	420 U
Acenaphthylene	ug/Kg	610 U	690 UJ	420 U
2,6-Dinitrotoluene	ug/Kg	610 U	690 UJ	420 U
3-Nitroaniline	ug/Kg	1500 U	1700 UJ	1000 U
Acenaphthene	ug/Kg	160 J	690 UJ	420 U
2,4-Dinitrophenol	ug/Kg	1500 U	1700 UJ	1000 U
4-Nitrophenol	ug/Kg	1500 U	1700 UJ	1000 U
Dibenzofuran	ug/Kg	97 J	690 UJ	420 U
2,4-Dinitrotoluene	ug/Kg	610 U	690 UJ	420 U
Diethylphthalate	ug/Kg	610 U	690 UJ	420 U
4-Chlorophenyl-phenylether	ug/Kg	610 U	690 UJ	420 U
Fluorene	ug/Kg	310 J	690 UJ	420 U
4-Nitroaniline	ug/Kg	1500 U	1700 UJ	1000 U
4,6-Dinitro-2-methylphenol	ug/Kg	1500 U	1700 UJ	1000 U
N-Nitrosodiphenylamine	ug/Kg	610 U	690 UJ	420 U
4-Bromophenyl-phenylether	ug/Kg	610 U	690 UJ	420 U
Hexachlorobenzene	ug/Kg	610 U	690 UJ	420 U
Pentachlorophenol	ug/Kg	1500 U	1700 UJ	1000 U
Phenanthrene	ug/Kg	2700	140 J	35 J
Anthracene	ug/Kg	480 J	690 UJ	420 U
Carbazole	ug/Kg	250 J	690 UJ	420 U
Di-n-butylphthalate	ug/Kg	610 U	690 UJ	420 U
Fluoranthene	ug/Kg	3500	310 J	94 J
Pyrene	ug/Kg	4000	300 J	83 J
Butylbenzylphthalate	ug/Kg	610 U	690 UJ	420 U
3,3'-Dichlorobenzidine	ug/Kg	610 U	690 UJ	420 U
Benzo(a)anthracene	ug/Kg	1400	120 J	44 J
Chrysene	ug/Kg	1500	170 J	60 J
bis(2-Ethylhexyl)phthalate	ug/Kg	610 U	690 UJ	420 U
Di-n-octylphthalate	ug/Kg	610 U	690 UJ	420 U
Benzo(b)fluoranthene	ug/Kg	1300	160 J	51 J
Benzo(k)fluoranthene	ug/Kg	1200	160 J	69 J
Benzo(a)pyrene	ug/Kg	1200	160 J	58 J
Indeno(1,2,3-cd)pyrene	ug/Kg	770	120 J	38 J
Dibenz(a,h)anthracene	ug/Kg	260 J	690 UJ	420 U
Benzo(g,h,i)perylene	ug/Kg	790	120 J	42 J

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

	MATRIX	SOIL	SOIL	SOIL
	LOCATION	SEAD-50	SEAD-50	SEAD-50
	DEPTH (FEET)	0-0.2	0-0.2	0-0.2
	SAMPLE DATE	04/19/94	04/19/94	04/19/94
	ES ID	SD50-1	SD50-2	SD50-3
	LAB ID	218502	218503	218504
	SDG NUMBER	43663	43663	43663
COMPOUND	UNITS			
PESTICIDES/PCB				
alpha-BHC	ug/Kg	3.1 U	3.5 UJ	2.2 U
beta-BHC	ug/Kg	3.1 U	3.5 UJ	2.2 U
delta-BHC	ug/Kg	3.1 U	3.5 UJ	2.2 U
gamma-BHC (Lindane)	ug/Kg	3.1 U	3.5 UJ	2.2 U
Heptachlor	ug/Kg	3.1 U	3.5 UJ	2.2 U
Aldrin	ug/Kg	2.2 J	3.5 UJ	2.2 U
Heptachlor epoxide	ug/Kg	3.1 U	3.5 UJ	2.2 U
Endosulfan I	ug/Kg	15 J	3 J	2.2 U
Dieldrin	ug/Kg	6.1 U	6.9 UJ	4.2 U
4,4'-DDE	ug/Kg	4.3 J	6.9 UJ	4.2 U
Endrin	ug/Kg	6.1 U	6.9 UJ	4.2 U
Endosulfan II	ug/Kg	6.1 U	6.9 UJ	4.2 U
4,4'-DDD	ug/Kg	6.1 U	6.9 UJ	4.2 U
Endosulfan sulfate	ug/Kg	6.1 U	6.9 UJ	4.2 U
4,4'-DDT	ug/Kg	6.1 U	6.9 UJ	4.2 U
Methoxychlor	ug/Kg	31 U	35 UJ	22 U
Endrin ketone	ug/Kg	6.1 U	6.9 UJ	4.2 U
Endrin aldehyde	ug/Kg	6.1 U	6.9 UJ	4.2 U
alpha-Chlordane	ug/Kg	8 J	3.5 UJ	2.2 U
gamma-Chlordane	ug/Kg	3.1 U	3.5 UJ	2.2 U
Toxaphene	ug/Kg	310 U	350 UJ	220 U
Aroclor-1016	ug/Kg	61 U	69 UJ	42 U
Aroclor-1221	ug/Kg	120 U	140 UJ	85 U
Aroclor-1232	ug/Kg	61 U	69 UJ	42 U
Aroclor-1242	ug/Kg	120	69 UJ	42 U
Aroclor-1248	ug/Kg	61 U	69 UJ	42 U
Aroclor-1254	ug/Kg	61 U	69 UJ	42 U
Aroclor-1260	ug/Kg	56 J	69 UJ	42 U
METALS				
Aluminum	mg/Kg	16300	11000 J	10300
Antimony	mg/Kg	3.3 J	0.55 J	0.24 J
Arsenic	mg/Kg	62.7	27.5 J	4.1
Barium	mg/Kg	108	117 J	62.9
Beryllium	mg/Kg	0.75 J	0.53 J	0.48 J
Cadmium	mg/Kg	0.57 J	0.8 J	0.23 J
Calcium	mg/Kg	7570	14800 J	31400
Chromium	mg/Kg	25.1	23.3 J	15.9
Cobalt	mg/Kg	9.3 J	8.7 J	8.1
Copper	mg/Kg	25.5	18.9 J	19.9
Iron	mg/Kg	26800	20500 J	19700
Lead	mg/Kg	49.6	25.5 J	10.8
Magnesium	mg/Kg	4980	3780 J	6400
Manganese	mg/Kg	284 J	1380 J	390 J
Mercury	mg/Kg	0.05 J R	0.08 J R	0.02 J
Nickel	mg/Kg	29.4	27.4 J	24.4
Potassium	mg/Kg	2530	1680 J	1580
Selenium	mg/Kg	0.48 U	0.43 UJ	0.24 U
Silver	mg/Kg	0.2 U	0.18 UJ	0.1 U
Sodium	mg/Kg	45.1 U	121 J	69.7 J
Thallium	mg/Kg	0.46 U	0.4 UJ	0.23 U
Vanadium	mg/Kg	28.8	20.3 J	17.3
Zinc	mg/Kg	202	243 J	63.9
Cyanide	mg/Kg	0.84 U	1 UJ	0.53 U
OTHER ANALYSES				
Nitrate/Nitrite-Nitrogen	mg/Kg			
Total Petroleum Hydrocarbons	mg/Kg			
Total Solids	%W/W	54.5	48	78.7

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

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

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

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

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58
	DEPTH (FEET)	0-0.2	0-0.2	0-0.2	0-0.2	2-4	4-5	0-0.2	2-4	4-6	0-0.2
	SAMPLE DATE	04/13/94	04/13/94	04/13/94	06/09/94	06/09/94	06/09/94	06/09/94	06/09/94	06/09/94	06/09/94
	ES ID	SS58-1	SS58-2	SS58-3	SB58-1-00	SB58-1-02	SB58-1-03	SB58-2-00	SB58-2-02	SB58-2-04	SB58-3-00
	LAB ID	217689	217690	217691	223689	223690	223691	223692	223693	223694	223695
	SDG NUMBER	43535	43535	43535	44694	44694	44694	44694	44694	44694	44694
COMPOUND	UNITS										
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
bis(2-Chloroethyl) ether	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
2-Chlorophenol	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
1,3-Dichlorobenzene	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
1,4-Dichlorobenzene	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
1,2-Dichlorobenzene	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
2-Methylphenol	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
4-Methylphenol	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
N-Nitroso-di-n-propylamine	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Hexachloroethane	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Nitrobenzene	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Isophorone	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
2-Nitrophenol	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
2,4-Dimethylphenol	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
bis(2-Chloroethoxy) methane	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
2,4-Dichlorophenol	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
1,2,4-Trichlorobenzene	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Naphthalene	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
4-Chloroaniline	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Hexachlorobutadiene	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
4-Chloro-3-methylphenol	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
2-Methylnaphthalene	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Hexachlorocyclopentadiene	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
2,4,6-Trichlorophenol	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
2,4,5-Trichlorophenol	ug/Kg	960 U	1000 U	1100 U	920 U	870 U	830 U	920 U	860 U	860 U	1000 U
2-Chloronaphthalene	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
2-Nitroaniline	ug/Kg	960 U	1000 U	1100 U	920 U	870 U	830 U	920 U	860 U	860 U	1000 U
Dimethylphthalate	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Acenaphthylene	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
2,6-Dinitrotoluene	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
3-Nitroaniline	ug/Kg	960 U	1000 U	1100 U	920 U	870 U	830 U	920 U	860 U	860 U	1000 U
Acenaphthene	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
2,4-Dinitrophenol	ug/Kg	960 U	1000 U	1100 U	920 U	870 U	830 U	920 U	860 U	860 U	1000 U
4-Nitrophenol	ug/Kg	960 U	1000 U	1100 U	920 U	870 U	830 U	920 U	860 U	860 U	1000 U
Dibenzofuran	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
2,4-Dinitrotoluene	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Diethylphthalate	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
4-Chlorophenyl-phenylether	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Fluorene	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
4-Nitroaniline	ug/Kg	960 U	1000 U	1100 U	920 U	870 U	830 U	920 U	860 U	860 U	1000 U
4,6-Dinitro-2-methylphenol	ug/Kg	960 U	1000 U	1100 U	920 U	870 U	830 U	920 U	860 U	860 U	1000 U
N-Nitrosodiphenylamine	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
4-Bromophenyl-phenylether	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Hexachlorobenzene	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Pentachlorophenol	ug/Kg	960 U	1000 U	1100 U	920 U	870 U	830 U	920 U	860 U	860 U	1000 U
Phenanthrene	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Anthracene	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Carbazole	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Di-n-butylphthalate	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Fluoranthene	ug/Kg	400 U	430 U	21 J	380 U	360 U	340 U	26 J	350 U	350 U	410 U
Pyrene	ug/Kg	400 U	430 U	22 J	380 U	360 U	340 U	22 J	350 U	350 U	410 U
Butylbenzylphthalate	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
3,3'-Dichlorobenzidine	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Benzo(a)anthracene	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Chrysene	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	18 J	350 U	350 U	410 U
bis(2-Ethylhexyl)phthalate	ug/Kg	28 J	25 J	23 J	24 J	79 J	49 J	260 J	52 J	110 J	25 J
Di-n-octylphthalate	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Benzo(b)fluoranthene	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Benzo(k)fluoranthene	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Benzo(a)pyrene	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Indeno(1,2,3-cd)pyrene	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Dibenz(a,h)anthracene	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U
Benzo(g,h,i)perylene	ug/Kg	400 U	430 U	440 U	380 U	360 U	340 U	380 U	350 U	350 U	410 U

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58
	DEPTH (FEET)	0-0.2	0-0.2	0-0.2	0-0.2	2-4	4-5	0-0.2	2-4	4-6	0-0.2
	SAMPLE DATE	04/13/94	04/13/94	04/13/94	06/09/94	06/09/94	06/09/94	06/09/94	06/09/94	06/09/94	06/09/94
	ES ID	SS58-1	SS58-2	SS58-3	SB58-1-00	SB58-1-02	SB58-1-03	SB58-2-00	SB58-2-02	SB58-2-04	SB58-3-00
	LAB ID	217689	217690	217691	223689	223690	223691	223692	223693	223694	223695
	SDG NUMBER	43535	43535	43535	44694	44694	44694	44694	44694	44694	44694
COMPOUND	UNITS										
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2 U	2.2 U	2.3 U	2 U	1.8 U	1.8 U	2 U	1.8 U	1.8 U	2.1 U
beta-BHC	ug/Kg	2 U	2.2 U	2.3 U	2 U	1.8 U	1.8 U	2 U	1.8 U	1.8 U	2.1 U
delta-BHC	ug/Kg	2 U	2.2 U	2.3 U	2 U	1.8 U	1.8 U	2 U	1.8 U	1.8 U	2.1 U
gamma-BHC (Lindane)	ug/Kg	2 U	2.2 U	2.3 U	2 U	1.8 U	1.8 U	2 U	1.8 U	1.8 U	2.1 U
Heptachlor	ug/Kg	2 U	2.2 U	2.3 U	2 U	1.8 U	1.8 U	2 U	1.8 U	1.8 U	2.1 U
Aldrin	ug/Kg	2 U	2.2 U	2.3 U	2 U	1.8 U	1.8 U	2 U	1.8 U	1.8 U	2.1 U
Heptachlor epoxide	ug/Kg	2 U	2.2 U	2.3 U	2 U	1.8 U	1.8 U	2 U	1.8 U	1.8 U	2.1 U
Endosulfan I	ug/Kg	2 U	2.2 U	2.3 U	2 U	1.8 U	1.8 U	2 U	1.8 U	1.8 U	1.3 J
Dieldrin	ug/Kg	4 U	4.3 U	4.4 U	3.8 U	3.6 U	3.4 U	3.8 U	3.5 U	3.5 U	4.1 U
4,4'-DDE	ug/Kg	4 U	4.3 U	4.4 U	3.8 U	3.6 U	3.4 U	3.8 U	3.5 U	3.5 U	4.1 U
Endrin	ug/Kg	4 U	4.3 U	4.4 U	3.8 U	3.6 U	3.4 U	3.8 U	3.5 U	3.5 U	4.1 U
Endosulfan II	ug/Kg	4 U	4.3 U	4.4 U	3.8 U	3.6 U	3.4 U	3.8 U	3.5 U	3.5 U	4.1 U
4,4'-DDD	ug/Kg	4 U	4.3 U	4.4 U	3.8 U	3.6 U	3.4 U	3.8 U	3.5 U	3.5 U	4.1 U
Endosulfan sulfate	ug/Kg	4 U	4.3 U	4.4 U	3.8 U	3.6 U	3.4 U	3.8 U	3.5 U	3.5 U	4.1 U
4,4'-DDT	ug/Kg	4 U	4.3 U	4.4 U	3.8 U	3.6 U	3.4 U	3.8 U	3.5 U	3.5 U	4.1 U
Methoxychlor	ug/Kg	20 U	22 U	23 U	20 U	18 U	18 U	20 U	18 U	18 U	21 U
Endrin ketone	ug/Kg	4 U	4.3 U	4.4 U	3.8 U	3.6 U	3.4 U	3.8 U	3.5 U	3.5 U	4.1 U
Endrin aldehyde	ug/Kg	4 U	4.3 U	4.4 U	3.8 U	3.6 U	3.4 U	3.8 U	3.5 U	3.5 U	4.1 U
alpha-Chlordane	ug/Kg	2 U	2.2 U	2.3 U	2 U	1.8 U	1.8 U	2 U	1.8 U	1.8 U	2.1 U
gamma-Chlordane	ug/Kg	2 U	2.2 U	2.3 U	2 U	1.8 U	1.8 U	2 U	1.8 U	1.8 U	2.1 U
Toxaphene	ug/Kg	200 U	220 U	230 U	200 U	180 U	180 U	200 U	180 U	180 U	210 U
Aroclor-1016	ug/Kg	40 U	43 U	44 U	38 U	36 U	34 U	38 U	35 U	35 U	41 U
Aroclor-1221	ug/Kg	81 U	87 U	89 U	77 U	73 U	70 U	77 U	72 U	72 U	84 U
Aroclor-1232	ug/Kg	40 U	43 U	44 U	38 U	36 U	34 U	38 U	35 U	35 U	41 U
Aroclor-1242	ug/Kg	40 U	43 U	44 U	38 U	36 U	34 U	38 U	35 U	35 U	41 U
Aroclor-1248	ug/Kg	40 U	43 U	44 U	38 U	36 U	34 U	38 U	35 U	35 U	41 U
Aroclor-1254	ug/Kg	40 U	43 U	44 U	38 U	36 U	34 U	38 U	35 U	35 U	41 U
Aroclor-1260	ug/Kg	40 U	43 U	44 U	38 U	36 U	34 U	38 U	35 U	35 U	41 U
METALS											
Aluminum	mg/Kg	12600	14300	8350	17000 J	11400 J	10500 J	9990 J	10400 J	11700 J	13800 J
Antimony	mg/Kg	0.16 UJ	0.15 UJ	0.14 UJ	0.25 UJ	0.24 UJ	0.26 J	0.36 J	0.22 UJ	0.24 UJ	0.22 UJ
Arsenic	mg/Kg	6.6	5	3.8	7	5	4.6	4.5	4.7	4.5	4.6
Barium	mg/Kg	111	73.7	51.1	101 J	76.8 J	71.7 J	63.2 J	72 J	77.6 J	88.3 J
Beryllium	mg/Kg	0.65 J	0.66 J	0.4 J	0.76 J	0.52 J	0.52 J	0.45 J	0.42 J	0.51 J	0.57 J
Cadmium	mg/Kg	0.59 J	0.42 J	0.32 J	0.69 J	0.61 J	0.6 J	0.53 J	0.5 J	0.48 J	0.32 J
Calcium	mg/Kg	66000	63400	79900	31300 J	64600 J	81500 J	55000 J	67100 J	91100 J	3250 J
Chromium	mg/Kg	19.3	21.7	12.8	25.6 J	18.9 J	17.3 J	15.7 J	17.4 J	19.5 J	19.6 J
Cobalt	mg/Kg	13.6	12.3	8.5	15.8 J	10.2 J	12 J	8.9 J	11.4 J	12.2 J	6.7 J
Copper	mg/Kg	28.3	22.8	19	25.7 J	29.4 J	28.4 J	21.2 J	25.8 J	20.4 J	15.1 J
Iron	mg/Kg	26100	26800	16400	30900 J	23900 J	21800 J	19700 J	21900 J	24800 J	23000 J
Lead	mg/Kg	22.5	13	11.1	17.3	11	8.7	14.9	10.7	6	16.3
Magnesium	mg/Kg	13700	10800	19800	9920 J	11800 J	12300 J	9510 J	15600 J	11900 J	3770 J
Manganese	mg/Kg	741 J	577 J	315 J	679 J	437 J	576 J	415 J	414 J	714 J	241 J
Mercury	mg/Kg	0.01 J	0.01 J	0.02 J	0.05 J R	0.03 J	0.03 J	0.03 J	0.03 J	0.02 J	0.07 J R
Nickel	mg/Kg	38.8	35.3	21.8	39.7 J	33 J	32.2 J	26.5 J	32.6 J	31 J	21.6 J
Potassium	mg/Kg	1440	1630	1450	2640	2150	2040	1510	2030	1610	1500
Selenium	mg/Kg	0.27 U	0.28 J	0.23 U	0.84 J	0.49 U	0.35 U	0.57 J	0.45 U	0.5 U	1
Silver	mg/Kg	0.61 U	0.59 U	0.54 U	0.1 UJ	0.09 UJ	0.06 UJ	0.09 UJ	0.08 UJ	0.09 UJ	0.08 UJ
Sodium	mg/Kg	79.9 J	95.1 J	80.1 J	53.4 J	110 J	117 J	82.9 J	113 J	172 J	16.8 U
Thallium	mg/Kg	0.25 U	0.24 U	0.22 U	0.37 U	0.35 U	0.25 U	0.33 U	0.32 U	0.35 U	0.32 U
Vanadium	mg/Kg	21.5	21.2	15.1	29.5 J	19 J	17.1 J	17.2 J	17.6 J	16.8 J	25.4 J
Zinc	mg/Kg	117	82.1	58.9	100 J	89.3 J	87.8 J	81.9 J	81.8 J	51.9 J	63.8 J
Cyanide	mg/Kg	0.55 U	0.62 U	0.57 U	0.55 U	0.34 U	0.47 U	0.56 U	0.42 U	0.52 U	0.58 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	82.7	76.9	74.6	87.2	92.4	95.6	87.1	92.8	93.3	80

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58
	DEPTH (FEET)	0-0.2	0.2-1.5	1.5-3	1.5-3	2.5	5	2	3	5	2
	SAMPLE DATE	06/09/94	06/09/94	06/09/94	06/09/94	06/10/94	06/11/94	06/11/94	06/11/94	06/11/94	06/11/94
	ES ID	SB58-3-00RE	SB58-3-01	SB58-3-02	SB58-3-02RE	TP58-1-1	TP58-2-1	TP58-3-1	TP58-4	TP58-5-1	TP58-6-1
	LAB ID	223695	223756	223757	223757	223911	223912	223913	223914	223915	223916
	SDG NUMBER	44694	44725	44725	44725	44748	44748	44748	44748	44748	44748
COMPOUND	UNITS										
VOLATILE ORGANICS											
Chloromethane	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Bromomethane	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Vinyl Chloride	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Chloroethane	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Methylene Chloride	ug/Kg	12 UJ	64	3 J	11 UJ	2 J	12 U	11 U	11 U	11 U	12 U
Acetone	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Carbon Disulfide	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
1,1-Dichloroethene	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
1,1-Dichloroethane	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
1,2-Dichloroethene (total)	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Chloroform	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
1,2-Dichloroethane	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
2-Butanone	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
1,1,1-Trichloroethane	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Carbon Tetrachloride	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Bromodichloromethane	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
1,2-Dichloropropane	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
cis-1,3-Dichloropropene	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Trichloroethene	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Dibromochloromethane	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
1,1,2-Trichloroethane	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Benzene	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
trans-1,3-Dichloropropene	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Bromoform	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
4-Methyl-2-Pentanone	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
2-Hexanone	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Tetrachloroethene	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
1,1,2,2-Tetrachloroethane	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Toluene	ug/Kg	12 UJ	11 U	11 U R	1 J	13 U	12 U	11 U	11 U	11 U	12 U
Chlorobenzene	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Ethylbenzene	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Styrene	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
Xylene (total)	ug/Kg	12 UJ	11 U	11 U R	11 UJ	13 U	12 U	11 U	11 U	11 U	12 U
HERBICIDES											
2,4-D	ug/Kg										
2,4-DB	ug/Kg										
2,4,5-T	ug/Kg										
2,4,5-TP (Silvex)	ug/Kg										
Dalapon	ug/Kg										
Dicamba	ug/Kg										
Dichloroprop	ug/Kg										
Dinoseb	ug/Kg										
MCPA	ug/Kg										
MCPP	ug/Kg										
NITROAROMATICS											
HMX	ug/Kg										
RDX	ug/Kg										
1,3,5-Trinitrobenzene	ug/Kg										
1,3-Dinitrobenzene	ug/Kg										
Tetryl	ug/Kg										
2,4,6-Trinitrotoluene	ug/Kg										
4-amino-2,6-Dinitrotoluene	ug/Kg										
2-amino-4,6-Dinitrotoluene	ug/Kg										
2,6-Dinitrotoluene	ug/Kg										
2,4-Dinitrotoluene	ug/Kg										

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58
	DEPTH (FEET)	0-0.2	0.2-1.5	1.5-3	1.5-3	2.5	5	2	3	5	2
	SAMPLE DATE	06/09/94	06/09/94	06/09/94	06/09/94	06/10/94	06/11/94	06/11/94	06/11/94	06/11/94	06/11/94
	ES ID	SB58-3-00RE	SB58-3-01	SB58-3-02	SB58-3-02RE	TP58-1-1	TP58-2-1	TP58-3-1	TP58-4	TP58-5-1	TP58-6-1
	LAB ID	223695	223756	223757	223757	223911	223912	223913	223914	223915	223916
	SDG NUMBER	44694	44725	44725	44725	44748	44748	44748	44748	44748	44748
COMPOUND	UNITS										
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
bis(2-Chloroethyl) ether	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
2-Chlorophenol	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
1,3-Dichlorobenzene	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
1,4-Dichlorobenzene	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
1,2-Dichlorobenzene	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
2-Methylphenol	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
2,2'-oxybis(1-Chloropropane)	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
4-Methylphenol	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
N-Nitroso-di-n-propylamine	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
Hexachloroethane	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
Nitrobenzene	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
Isophorone	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
2-Nitrophenol	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
2,4-Dimethylphenol	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
bis(2-Chloroethoxy) methane	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
2,4-Dichlorophenol	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
1,2,4-Trichlorobenzene	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
Naphthalene	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
4-Chloroaniline	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
Hexachlorobutadiene	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
4-Chloro-3-methylphenol	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
2-Methylnaphthalene	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
Hexachlorocyclopentadiene	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
2,4,6-Trichlorophenol	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
2,4,5-Trichlorophenol	ug/Kg		930 U	870 U		920 U	880 U	890 U	920 U	900 U	920 U
2-Chloronaphthalene	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
2-Nitroaniline	ug/Kg		930 U	870 U		920 U	880 U	890 U	920 U	900 U	920 U
Dimethylphthalate	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
Acenaphthylene	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
2,6-Dinitrotoluene	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
3-Nitroaniline	ug/Kg		930 U	870 U		920 U	880 U	890 U	920 U	900 U	920 U
Acenaphthene	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
2,4-Dinitrophenol	ug/Kg		930 U	870 U		920 U	880 U	890 U	920 U	900 U	920 U
4-Nitrophenol	ug/Kg		930 U	870 U		920 U	880 U	890 U	920 U	900 U	920 U
Dibenzofuran	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
2,4-Dinitrotoluene	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
Diethylphthalate	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
4-Chlorophenyl-phenylether	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
Fluorene	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
4-Nitroaniline	ug/Kg		930 U	870 U		920 U	880 U	890 U	920 U	900 U	920 U
4,6-Dinitro-2-methylphenol	ug/Kg		930 U	870 U		920 U	880 U	890 U	920 U	900 U	920 U
N-Nitrosodiphenylamine	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
4-Bromophenyl-phenylether	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
Hexachlorobenzene	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
Pentachlorophenol	ug/Kg		930 U	870 U		920 U	880 U	890 U	920 U	900 U	920 U
Phenanthrene	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
Anthracene	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
Carbazole	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
Di-n-butylphthalate	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
Fluoranthene	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
Pyrene	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
Butylbenzylphthalate	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
3,3'-Dichlorobenzidine	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
Benzo(a)anthracene	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
Chrysene	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
bis(2-Ethylhexyl)phthalate	ug/Kg		170 J	30 J		25 J	360 U	370 U	380 U	370 U	380 U
Di-n-octylphthalate	ug/Kg		380 U	81 J		380 U	360 U	370 U	380 U	370 U	380 U
Benzo(b)fluoranthene	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
Benzo(k)fluoranthene	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
Benzo(a)pyrene	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
Indeno(1,2,3-cd)pyrene	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
Dibenz(a,h)anthracene	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U
Benzo(g,h,i)perylene	ug/Kg		380 U	360 U		380 U	360 U	370 U	380 U	370 U	380 U

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58
	DEPTH (FEET)	0-0.2	0.2-1.5	1.5-3	1.5-3	2.5	5	2	3	5	2
	SAMPLE DATE	06/09/94	06/09/94	06/09/94	06/09/94	06/10/94	06/11/94	06/11/94	06/11/94	06/11/94	06/11/94
	ES ID	SB58-3-00RE	SB58-3-01	SB58-3-02	SB58-3-02RE	TP58-1-1	TP58-2-1	TP58-3-1	TP58-4	TP58-5-1	TP58-6-1
	LAB ID	223695	223756	223757	223757	223911	223912	223913	223914	223915	223916
	SDG NUMBER	44694	44725	44725	44725	44748	44748	44748	44748	44748	44748
COMPOUND	UNITS										
PESTICIDES/PCB											
alpha-BHC	ug/Kg		2 U	1.8 U		2 U	1.9 UJ	1.9 U	2 U	1.9 U	2 U
beta-BHC	ug/Kg		2 U	1.8 U		2 U	1.9 UJ	1.9 U	2 U	1.9 U	2 U
delta-BHC	ug/Kg		2 U	1.8 U		2 U	1.9 UJ	1.9 U	2 U	1.9 U	2 U
gamma-BHC (Lindane)	ug/Kg		2 U	1.8 U		2 U	1.9 UJ	1.9 U	2 U	1.9 U	2 U
Heptachlor	ug/Kg		2 U	1.8 U		2 U	1.9 UJ	1.9 U	2 U	1.9 U	2 U
Aldrin	ug/Kg		2 U	1.8 U		2 U	1.9 UJ	1.9 U	2 U	1.9 U	2 U
Heptachlor epoxide	ug/Kg		2 U	1.8 U		2 U	1.9 UJ	1.9 U	2 U	1.9 U	2 U
Endosulfan I	ug/Kg		2 U	1.8 U		2 U	1.9 UJ	1.9 U	2 U	1.9 U	2 U
Dieldrin	ug/Kg		3.8 U	3.6 U		3.8 U	3.6 UJ	3.7 U	3.8 U	3.7 U	3.8 U
4,4'-DDE	ug/Kg		3.8 U	3.6 U		3.8 U	3.6 UJ	3.7 U	3.8 U	3.7 U	3.8 U
Endrin	ug/Kg		3.8 U	3.6 U		3.8 U	3.6 UJ	3.7 U	3.8 U	3.7 U	3.8 U
Endosulfan II	ug/Kg		3.8 U	3.6 U		3.8 U	3.6 UJ	3.7 U	3.8 U	3.7 U	3.8 U
4,4'-DDD	ug/Kg		3.8 U	3.6 U		3.8 U	3.6 UJ	3.7 U	3.8 U	3.7 U	3.8 U
Endosulfan sulfate	ug/Kg		3.8 U	3.6 U		3.8 U	3.6 UJ	3.7 U	3.8 U	3.7 U	3.8 U
4,4'-DDT	ug/Kg		3.8 U	3.6 U		3.8 U	3.6 UJ	3.7 U	3.8 U	3.7 U	3.8 U
Methoxychlor	ug/Kg		20 U	18 U		20 U	19 UJ	19 U	20 U	19 U	20 U
Endrin ketone	ug/Kg		3.8 U	3.6 U		3.8 U	3.6 UJ	3.7 U	3.8 U	3.7 U	3.8 U
Endrin aldehyde	ug/Kg		3.8 U	3.6 U		3.8 U	3.6 UJ	3.7 U	3.8 U	3.7 U	3.8 U
alpha-Chlordane	ug/Kg		2 U	1.8 U		2 U	1.9 UJ	1.9 U	2 U	1.9 U	2 U
gamma-Chlordane	ug/Kg		2 U	1.8 U		2 U	1.9 UJ	1.9 U	2 U	1.9 U	2 U
Toxaphene	ug/Kg		200 U	180 U		200 U	190 UJ	190 U	200 U	190 U	200 U
Aroclor-1016	ug/Kg		38 U	36 U		38 U	36 UJ	37 U	38 U	37 U	38 U
Aroclor-1221	ug/Kg		78 U	73 U		77 U	74 UJ	74 U	77 U	75 U	77 U
Aroclor-1232	ug/Kg		38 U	36 U		38 U	36 UJ	37 U	38 U	37 U	38 U
Aroclor-1242	ug/Kg		38 U	36 U		38 U	36 UJ	37 U	38 U	37 U	38 U
Aroclor-1248	ug/Kg		38 U	36 U		38 U	36 UJ	37 U	38 U	37 U	38 U
Aroclor-1254	ug/Kg		38 U	36 U		38 U	36 UJ	37 U	38 U	37 U	38 U
Aroclor-1260	ug/Kg		38 U	36 U		38 U	36 UJ	37 U	38 U	37 U	38 U
METALS											
Aluminum	mg/Kg		19100	14100		9280	8220	9980	10100	8980	14100
Antimony	mg/Kg		0.29 UJ	0.19 UJ		0.17 UJ	0.27 UJ	0.26 UJ	0.16 UJ	0.15 UJ	0.17 UJ
Arsenic	mg/Kg		3.7	4.9		9	3.6	4.3	3.4	4	4.4
Barium	mg/Kg		76.2	62.8		47	79.7	63.1	40.8	49.8	76.3
Beryllium	mg/Kg		0.85 J	0.6 J		0.49 J	0.38 J	0.46 J	0.47 J	0.43 J	0.66 J
Cadmium	mg/Kg		0.92 J	0.76		0.5 J	0.38 J	0.37 J	0.39 J	0.42 J	0.54 J
Calcium	mg/Kg		94700	55400		106000	69900	72200	91700	101000	45500
Chromium	mg/Kg		28.6	20.8		16.2 J	13.1 J	16.3 J	16.3 J	14.5 J	22.5 J
Cobalt	mg/Kg		15	11.9		9.2	8.2 J	10.9	8.8	9.7	9.6
Copper	mg/Kg		20.7	27.6		24	33.4	25.4	18	20.8	23.7
Iron	mg/Kg		32300	23400		21900	19600	21000	20400	18700	27900
Lead	mg/Kg		4.1	11.2		11.2 R	7.8 R	8.9 R	5.5 R	6.8 R	9.5 R
Magnesium	mg/Kg		9580	11800		34100	20900	12900	7740	12900	9680
Manganese	mg/Kg		872	620		487	959	498	451	588	436
Mercury	mg/Kg		0.04 J	0.03 J		0.07 J	0.01 U	0.02 J	0.01 J	0.01 J	0.02 J
Nickel	mg/Kg		44.8	33.5		25.4	33	31.2	25.7	26.6	35.1
Potassium	mg/Kg		3220 J	3230 J		1370 J	1420 J	1900 J	1480 J	1500 J	1810 J
Selenium	mg/Kg		0.6 U	0.39 U		0.36 U	0.55 U	0.54 U	0.34 U	0.32 U	0.36 U
Silver	mg/Kg		0.11 U	0.07 U		0.07 U	0.1 U	0.1 U	0.06 U	0.06 U	0.07 U
Sodium	mg/Kg		189 J	96.5 J		97.6 J	94.6 J	118 J	108 J	115 J	73.2 J
Thallium	mg/Kg		0.42 U	0.28 U		0.26 U	0.39 U	0.38 U	0.24 U	0.23 U	0.26 U
Vanadium	mg/Kg		26.1	24.3		19.5	15.8	16.7	15.3	14.5	22.9
Zinc	mg/Kg		76.3	72.2		82.7	104	74.9	62.4	64.8	110
Cyanide	mg/Kg		0.54 U	0.5 U		0.54 U	0.5 U	0.47 U	0.49 U	0.5 U	0.5 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W		86.2	92		87	91.3	90.5	87.2	88.6	87.4

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

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

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

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

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

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

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

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

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

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

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

	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58
	SAMPLE DATE	04/17/94	04/17/94	04/17/94	04/17/94	04/17/94	04/17/94
	ES ID	SW58-1	SW58-2	SW58-3	SW58-4	SW58-5	SW58-6
	LAB ID	218090	218091	218092	218093	218094	218095
	SDG NUMBER	43549	43549	43549	43549	43549	43549
COMPOUND	UNITS						
PESTICIDES/PCB							
alpha-BHC	ug/L	0.06 U	0.057 U	0.054 U	0.054 U	0.052 U	0.057 U
beta-BHC	ug/L	0.06 U	0.057 U	0.054 U	0.054 U	0.052 U	0.057 U
delta-BHC	ug/L	0.06 U	0.057 U	0.054 U	0.054 U	0.052 U	0.057 U
gamma-BHC (Lindane)	ug/L	0.06 U	0.057 U	0.054 U	0.054 U	0.052 U	0.057 U
Heptachlor	ug/L	0.06 U	0.057 U	0.054 U	0.054 U	0.052 U	0.057 U
Aldrin	ug/L	0.06 U	0.057 U	0.054 U	0.054 U	0.052 U	0.057 U
Heptachlor epoxide	ug/L	0.06 U	0.057 U	0.054 U	0.054 U	0.052 U	0.057 U
Endosulfan I	ug/L	0.06 U	0.057 U	0.054 U	0.054 U	0.052 U	0.057 U
Dieldrin	ug/L	0.12 U	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U
4,4'-DDE	ug/L	0.12 U	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U
Endrin	ug/L	0.12 U	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U
Endosulfan II	ug/L	0.12 U	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U
4,4'-DDD	ug/L	0.12 U	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U
Endosulfan sulfate	ug/L	0.12 U	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U
4,4'-DDT	ug/L	0.12 U	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U
Methoxychlor	ug/L	0.6 U	0.57 U	0.54 U	0.54 U	0.52 U	0.57 U
Endrin ketone	ug/L	0.12 U	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U
Endrin aldehyde	ug/L	0.12 U	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U
alpha-Chlordane	ug/L	0.06 U	0.057 U	0.054 U	0.054 U	0.052 U	0.057 U
gamma-Chlordane	ug/L	0.06 U	0.057 U	0.054 U	0.054 U	0.052 U	0.057 U
Toxaphene	ug/L	6 U	5.7 U	5.4 U	5.4 U	5.2 U	5.7 U
Aroclor-1016	ug/L	1.2 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U
Aroclor-1221	ug/L	2.4 U	2.3 U	2.2 U	2.1 U	2.1 U	2.3 U
Aroclor-1232	ug/L	1.2 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U
Aroclor-1242	ug/L	1.2 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U
Aroclor-1248	ug/L	1.2 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U
Aroclor-1254	ug/L	1.2 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U
Aroclor-1260	ug/L	1.2 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U
METALS							
Aluminum	ug/L	73.5 J	102 J	135 J	421	127 J	138 J
Antimony	ug/L	1 U	0.99 U	1 U	0.99 U	0.99 U	1 U
Arsenic	ug/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Barium	ug/L	35.2 J	35 J	36.5 J	28.1 J	26.5 J	25.6 J
Beryllium	ug/L	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Cadmium	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Calcium	ug/L	82000	80800	74800	55600	53500	49800
Chromium	ug/L	0.4 U	0.51 J	0.4 U	0.75 J	0.66 J	0.42 J
Cobalt	ug/L	0.6 U	0.59 U	0.6 U	0.59 U	0.59 U	0.6 U
Copper	ug/L	0.83 J	0.92 J	1.3 J	3.8 J	1.9 J	2.1 J
Iron	ug/L	74.5 J	127	196	598	168	193
Lead	ug/L	0.8 U	0.79 U	0.8 U	1.1 J	0.79 U	0.8 U
Magnesium	ug/L	11700	11500	11100	8500	8260	7640
Manganese	ug/L	1.8 J	2.5 J	52.8	74.4	7.3 J	5.2 J
Mercury	ug/L	0.04 J	0.04 J	0.05 J	0.06 J	0.03 U	0.03 U
Nickel	ug/L	1.1 J	0.59 U	0.6 U	2.6 J	1.5 J	1.8 J
Potassium	ug/L	1380 J	1440 J	1520 J	2090 J	2610 J	2500 J
Selenium	ug/L	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Silver	ug/L	0.7 U	0.69 U	0.7 U	0.69 U	0.69 U	0.7 U
Sodium	ug/L	4970 J	4880 J	13400	3070 J	1900 J	1750 J
Thallium	ug/L	1.6 U	1.6 U	1.9 J	2.7 J	1.6 U	1.6 U
Vanadium	ug/L	0.7 U	0.69 U	0.7 U	0.9 J	0.69 U	0.7 U
Zinc	ug/L	3 J	2.5 J	2.2 J	10.6 J	4.8 J	6.3 J
Cyanide	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
OTHER ANALYSES							
Nitrate/Nitrite-Nitrogen	mg/L						
Total Petroleum Hydrocarbons	mg/L						
pH	Standard Units	8.6	8.8	8.2	8.6	8.8	8.5
Conductivity	umhos/cm	320	325	285	225	215	200
Temperature	°C	10	11	12	10	10	9
Turbidity	NTU	1.1	1.6	1.6	2.4	1.9	2.2

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58
	DEPTH (FEET)	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
	SAMPLE DATE	04/17/94	04/17/94	04/17/94	04/17/94	04/17/94	04/17/94
	ES ID	SD58-1	SD58-2	SD58-3	SD58-4	SD58-5	SD58-6
	LAB ID	218079	218080	218081	218082	218083	218084
	SDG NUMBER	43543	43543	43543	43543	43543	43543
COMPOUND	UNITS						
VOLATILE ORGANICS							
Chloromethane	ug/Kg	18 U	23 U	20 U	20 U	19 U	22 U
Bromomethane	ug/Kg	18 U	23 U	20 U	20 U	19 U	22 U
Vinyl Chloride	ug/Kg	18 U	23 U	20 U	20 U	19 U	22 U
Chloroethane	ug/Kg	18 U	23 U	20 U	20 U	19 U	22 U
Methylene Chloride	ug/Kg	18 U	23 U	20 U	20 U	19 U	22 U
Acetone	ug/Kg	23 U	68 U	34 U	34 U	50 U	16 U
Carbon Disulfide	ug/Kg	18 U	23 U	20 U	20 U	19 U	22 U
1,1-Dichloroethene	ug/Kg	18 U	23 U	20 U	20 U	19 U	22 U
1,1-Dichloroethane	ug/Kg	18 U	23 U	20 U	20 U	19 U	22 U
1,2-Dichloroethene (total)	ug/Kg	18 U	23 U	20 U	20 U	19 U	22 U
Chloroform	ug/Kg	18 U	23 U	20 U	20 U	19 U	22 U
1,2-Dichloroethane	ug/Kg	18 U	23 U	20 U	20 U	19 U	22 U
2-Butanone	ug/Kg	18 U	23 U	20 U	20 U	19 U	22 U
1,1,1-Trichloroethane	ug/Kg	18 U	23 U	20 U	20 U	19 U	22 U
Carbon Tetrachloride	ug/Kg	18 U	23 U	20 U	20 U	19 U	22 U
Bromodichloromethane	ug/Kg	18 U	23 U	20 U	20 U	19 U	22 U
1,2-Dichloropropane	ug/Kg	18 U	23 U	20 U	20 U	19 U	22 U
cis-1,3-Dichloropropene	ug/Kg	18 U	23 U	20 U	20 U	19 U	22 U
Trichloroethene	ug/Kg	18 U	23 U	20 U	20 U	19 U	22 U
Dibromochloromethane	ug/Kg	18 U	23 U	20 U	20 U	19 U	22 U
1,1,2-Trichloroethane	ug/Kg	18 U	23 U	20 U	20 U	19 U	22 U
Benzene	ug/Kg	18 U	23 U	20 U	20 U	19 U	22 U
trans-1,3-Dichloropropene	ug/Kg	18 U	23 U	20 U	20 U	19 U	22 U
Bromoform	ug/Kg	18 U	23 U	20 U	20 U	19 U	22 U
4-Methyl-2-Pentanone	ug/Kg	18 U	23 U	20 U	20 U	19 U	22 U
2-Hexanone	ug/Kg	18 U	23 U	20 U	20 U	19 U	22 U
Tetrachloroethene	ug/Kg	18 U	23 U	20 U	20 U	19 U	22 U
1,1,2,2-Tetrachloroethane	ug/Kg	18 U	23 U	20 U	20 U	19 U	22 U
Toluene	ug/Kg	18 U	23 U	20 U	20 U	19 U	22 U
Chlorobenzene	ug/Kg	18 U	23 U	20 U	20 U	19 U	22 U
Ethylbenzene	ug/Kg	18 U	23 U	20 U	20 U	19 U	22 U
Styrene	ug/Kg	18 U	23 U	20 U	20 U	19 U	22 U
Xylene (total)	ug/Kg	18 U	23 U	20 U	20 U	19 U	22 U
HERBICIDES							
2,4-D	ug/Kg						
2,4-DB	ug/Kg						
2,4,5-T	ug/Kg						
2,4,5-TP (Silvex)	ug/Kg						
Dalapon	ug/Kg						
Dicamba	ug/Kg						
Dichloroprop	ug/Kg						
Dinoseb	ug/Kg						
MCPA	ug/Kg						
MCPP	ug/Kg						
NITROAROMATICS							
HMX	ug/Kg						
RDX	ug/Kg						
1,3,5-Trinitrobenzene	ug/Kg						
1,3-Dinitrobenzene	ug/Kg						
Tetryl	ug/Kg						
2,4,6-Trinitrotoluene	ug/Kg						
4-amino-2,6-Dinitrotoluene	ug/Kg						
2-amino-4,6-Dinitrotoluene	ug/Kg						
2,6-Dinitrotoluene	ug/Kg						
2,4-Dinitrotoluene	ug/Kg						

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58
	DEPTH (FEET)	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
	SAMPLE DATE	04/17/94	04/17/94	04/17/94	04/17/94	04/17/94	04/17/94
	ES ID	SD58-1	SD58-2	SD58-3	SD58-4	SD58-5	SD58-6
	LAB ID	218079	218080	218081	218082	218083	218084
	SDG NUMBER	43543	43543	43543	43543	43543	43543
COMPOUND	UNITS						
SEMIVOLATILE ORGANICS							
Phenol	ug/Kg	590 U	770 U	36 J	670 U	610 U	650 U
bis(2-Chloroethyl) ether	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
2-Chlorophenol	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
1,3-Dichlorobenzene	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
1,4-Dichlorobenzene	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
1,2-Dichlorobenzene	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
2-Methylphenol	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
4-Methylphenol	ug/Kg	590 U	770 U	120 J	670 U	610 U	650 U
N-Nitroso-di-n-propylamine	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
Hexachloroethane	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
Nitrobenzene	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
Isophorone	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
2-Nitrophenol	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
2,4-Dimethylphenol	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
bis(2-Chloroethoxy) methane	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
2,4-Dichlorophenol	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
1,2,4-Trichlorobenzene	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
Naphthalene	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
4-Chloroaniline	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
Hexachlorobutadiene	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
4-Chloro-3-methylphenol	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
2-Methylnaphthalene	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
Hexachlorocyclopentadiene	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
2,4,6-Trichlorophenol	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
2,4,5-Trichlorophenol	ug/Kg	1400 U	1900 U	1500 U	1600 U	1500 U	1600 U
2-Chloronaphthalene	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
2-Nitroaniline	ug/Kg	1400 U	1900 U	1500 U	1600 U	1500 U	1600 U
Dimethylphthalate	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
Acenaphthylene	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
2,6-Dinitrotoluene	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
3-Nitroaniline	ug/Kg	1400 U	1900 U	1500 U	1600 U	1500 U	1600 U
Acenaphthene	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
2,4-Dinitrophenol	ug/Kg	1400 U	1900 U	1500 U	1600 U	1500 U	1600 U
4-Nitrophenol	ug/Kg	1400 U	1900 U	1500 U	1600 U	1500 U	1600 U
Dibenzofuran	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
2,4-Dinitrotoluene	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
Diethylphthalate	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
4-Chlorophenyl-phenyl ether	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
Fluorene	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
4-Nitroaniline	ug/Kg	1400 U	1900 U	1500 U	1600 U	1500 U	1600 U
4,6-Dinitro-2-methylphenol	ug/Kg	1400 U	1900 U	1500 U	1600 U	1500 U	1600 U
N-Nitrosodiphenylamine	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
4-Bromophenyl-phenyl ether	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
Hexachlorobenzene	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
Pentachlorophenol	ug/Kg	1400 U	1900 U	1500 U	1600 U	1500 U	1600 U
Phenanthrene	ug/Kg	120 J	63 J	71 J	80 J	66 J	72 J
Anthracene	ug/Kg	30 J	770 U	630 U	670 U	610 U	650 U
Carbazole	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
Di-n-butylphthalate	ug/Kg	130 J	120 J	80 J	670 U	610 U	650 U
Fluoranthene	ug/Kg	180 J	100 J	130 J	100 J	110 J	130 J
Pyrene	ug/Kg	210 J	92 J	160 J	100 J	74 J	85 J
Butylbenzylphthalate	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
3,3'-Dichlorobenzidine	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
Benzo(a)anthracene	ug/Kg	92 J	770 U	630 U	670 U	64 J	72 J
Chrysene	ug/Kg	110 J	76 J	96 J	68 J	610 U	650 U
bis(2-Ethylhexyl)phthalate	ug/Kg	590 U	770 U	38 J	61 J	52 J	100 J
Di-n-octylphthalate	ug/Kg	590 U	770 U	630 U	670 U	610 U	650 U
Benzo(b)fluoranthene	ug/Kg	110 J	92 J	130 J	69 J	610 U	650 U
Benzo(k)fluoranthene	ug/Kg	100 J	55 J	70 J	58 J	610 U	650 U
Benzo(a)pyrene	ug/Kg	110 J	71 J	95 J	62 J	610 U	650 U
Indeno(1,2,3-cd)pyrene	ug/Kg	110 J	770 U	87 J	670 U	76 J	84 J
Dibenz(a,h)anthracene	ug/Kg	590 U	770 U	630 U	670 U	53 J	63 J
Benzo(g,h,i)perylene	ug/Kg	110 J	770 U	630 U	670 U	80 J	86 J

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58	SEAD-58
	DEPTH (FEET)	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
	SAMPLE DATE	04/17/94	04/17/94	04/17/94	04/17/94	04/17/94	04/17/94
	ES ID	SD58-1	SD58-2	SD58-3	SD58-4	SD58-5	SD58-6
	LAB ID	218079	218080	218081	218082	218083	218084
	SDG NUMBER	43543	43543	43543	43543	43543	43543
COMPOUND	UNITS						
PESTICIDES/PCB							
alpha-BHC	ug/Kg	3 UJ	4 U	3.3 U	3.4 UJ	3.1 U	3.3 U
beta-BHC	ug/Kg	3 UJ	4 U	3.3 U	3.4 UJ	3.1 U	3.3 U
delta-BHC	ug/Kg	3 UJ	4 U	3.3 U	3.4 UJ	3.1 U	3.3 U
gamma-BHC (Lindane)	ug/Kg	3 UJ	4 U	3.3 U	3.4 UJ	3.1 U	3.3 U
Heptachlor	ug/Kg	3 UJ	4 U	3.3 U	3.4 UJ	3.1 U	3.3 U
Aldrin	ug/Kg	3 UJ	4 U	3.3 U	3.4 UJ	3.1 U	3.3 U
Heptachlor epoxide	ug/Kg	3 UJ	4 U	3.3 U	3.4 UJ	3.1 U	3.3 U
Endosulfan I	ug/Kg	3 UJ	4 U	3.3 U	3.4 UJ	3.1 U	3.3 U
Dieldrin	ug/Kg	5.9 UJ	7.7 U	6.3 U	6.7 UJ	6.1 U	6.5 U
4,4'-DDE	ug/Kg	5.9 UJ	7.7 U	6.3 U	6.7 UJ	6.1 U	6.5 U
Endrin	ug/Kg	5.9 UJ	7.7 U	6.3 U	6.7 UJ	6.1 U	6.5 U
Endosulfan II	ug/Kg	5.9 UJ	7.7 U	6.3 U	6.7 UJ	6.1 U	6.5 U
4,4'-DDD	ug/Kg	5.9 UJ	7.7 U	6.3 U	6.7 UJ	6.1 U	6.5 U
Endosulfan sulfate	ug/Kg	5.9 UJ	7.7 U	6.3 U	6.7 UJ	6.1 U	6.5 U
4,4'-DDT	ug/Kg	5.9 UJ	7.7 U	6.3 U	6.7 UJ	6.1 U	6.5 U
Methoxychlor	ug/Kg	30 UJ	40 U	33 U	34 UJ	31 U	33 U
Endrin ketone	ug/Kg	5.9 UJ	7.7 U	6.3 U	6.7 UJ	6.1 U	6.5 U
Endrin aldehyde	ug/Kg	5.9 UJ	7.7 U	6.3 U	6.7 UJ	6.1 U	6.5 U
alpha-Chlordane	ug/Kg	3 UJ	4 U	3.3 U	3.4 UJ	3.1 U	3.3 U
gamma-Chlordane	ug/Kg	3 UJ	4 U	3.3 U	3.4 UJ	3.1 U	3.3 U
Toxaphene	ug/Kg	300 UJ	400 U	330 U	340 UJ	310 U	330 U
Aroclor-1016	ug/Kg	59 UJ	77 U	63 U	67 UJ	61 U	65 U
Aroclor-1221	ug/Kg	120 UJ	160 U	130 U	140 UJ	120 U	130 U
Aroclor-1232	ug/Kg	59 UJ	77 U	63 U	67 UJ	61 U	65 U
Aroclor-1242	ug/Kg	59 UJ	77 U	63 U	67 UJ	61 U	65 U
Aroclor-1248	ug/Kg	59 UJ	77 U	63 U	67 UJ	61 U	65 U
Aroclor-1254	ug/Kg	59 UJ	77 U	63 U	67 UJ	61 U	65 U
Aroclor-1260	ug/Kg	59 UJ	77 U	63 U	67 UJ	61 U	65 U
METALS							
Aluminum	mg/Kg	18200	17800	14900	20100	16000	18200
Antimony	mg/Kg	0.31 J	0.36 UJ	0.22 UJ	0.35 UJ	0.36 J	0.37 J
Arsenic	mg/Kg	5.5	5.7	4.9	5.9	5.6	5.7
Barium	mg/Kg	139	142	86.9	130	114	130
Beryllium	mg/Kg	0.83 J	0.9 J	0.71 J	0.98 J	0.81 J	0.86 J
Cadmium	mg/Kg	0.42 J	0.58 J	0.5 J	0.7 J	0.52 J	0.53 J
Calcium	mg/Kg	10900	15600	70500	6970	7960	8300
Chromium	mg/Kg	24.8	25.2	23.7	28.2	23.2	25.3
Cobalt	mg/Kg	9 J	10.1 J	11.6	10.5 J	8.9 J	8.8 J
Copper	mg/Kg	24	24.7	23.1	37	30.6	24.8
Iron	mg/Kg	26100	28900	27600	29300	25700	26300
Lead	mg/Kg	20.9	23.5	20	28.8	27.8	25.6
Magnesium	mg/Kg	6030	6040	12100	5520	4730	4980
Manganese	mg/Kg	564	632	735	447	382	373
Mercury	mg/Kg	0.1 J	0.06 J	0.05 J	0.11 J	0.12 J	0.11 J
Nickel	mg/Kg	29.3	29.9	32.2	33.5	29.9	28.9
Potassium	mg/Kg	2400	2430	2340	3170	2400	2940
Selenium	mg/Kg	0.79 J	0.89 J	0.37 U	0.7 J	0.68 J	0.66 J
Silver	mg/Kg	0.2 U	0.25 U	0.15 U	0.25 U	0.21 U	0.25 U
Sodium	mg/Kg	44.6 U	57.3 U	134 J	55.9 U	47.5 U	55.7 U
Thallium	mg/Kg	0.55 J	0.58 U	0.35 U	0.56 U	0.51 J	0.56 U
Vanadium	mg/Kg	27.9	29.6	24.5	33.7	27.2	29.8
Zinc	mg/Kg	106	131	86.6	119	119	109
Cyanide	mg/Kg	0.86 U	0.95 U	0.81 U	0.9 U	0.91 U	0.96 U
OTHER ANALYSES							
Nitrate/Nitrite-Nitrogen	mg/Kg						
Total Petroleum Hydrocarbons	mg/Kg						
Total Solids	%W/W	56	43.2	52.4	48.9	54.3	51.3

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

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

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-59	SEAD-59	SEAD-59	SEAD-59	SEAD-59	SEAD-59	SEAD-59	SEAD-59	SEAD-59	SEAD-59
	DEPTH (FEET)	0-0.2	6-8	6-8	10-12	0-0.2	0-0.2	2-4	6-7	0-0.2	2-4
	SAMPLE DATE	02/20/94	02/20/94	02/20/94	02/20/94	05/26/94	05/26/94	05/26/94	05/26/94	05/25/94	05/25/94
	ES ID	SB59-1.01	SB59-1.04	SB59-1.08	SB59-1.06	SB59-2-00	SB59-2-20	SB59-2-02	SB59-2-04	SB59-3-00	SB59-3-02
	LAB ID	212224	212225	212227	212226	222479	222483	222481	222482	222428	222429
	SDG NUMBER	42494	42494	42494	42494	44410	44410	44410	44410	44345	44345
COMPOUND	UNITS			SB59-1.04DUP			SB59-2-00DUP				
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U	380 U
bis(2-Chloroethyl) ether	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U	380 U
2-Chlorophenol	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U	380 U
1,3-Dichlorobenzene	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U	380 U
1,4-Dichlorobenzene	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U	380 U
1,2-Dichlorobenzene	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U	380 U
2-Methylphenol	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U	380 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U	380 U
4-Methylphenol	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	28 J	370 U	380 U
N-Nitroso-di-n-propylamine	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U	380 U
Hexachloroethane	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U	380 U
Nitrobenzene	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U	380 U
Isophorone	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U	380 U
2-Nitrophenol	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U	380 U
2,4-Dimethylphenol	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U	380 U
bis(2-Chloroethoxy) methane	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U	380 U
2,4-Dichlorophenol	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U	380 U
1,2,4-Trichlorobenzene	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U	380 U
Naphthalene	ug/Kg	130 J	160 J	140 J	110 J	68 J	78 J	170 J	160 J	21 J	380 U
4-Chloroaniline	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U	380 U
Hexachlorobutadiene	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U	380 U
4-Chloro-3-methylphenol	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U	380 U
2-Methylnaphthalene	ug/Kg	150 J	110 J	150 J	78 J	75 J	68 J	160 J	150 J	370 U	380 U
Hexachlorocyclopentadiene	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U	380 U
2,4,6-Trichlorophenol	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U	380 U
2,4,5-Trichlorophenol	ug/Kg	3700 U	1000 U	4700 U	1300 U	1800 U	1800 U	2000 U	940 U	890 U	930 U
2-Chloronaphthalene	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U	380 U
2-Nitroaniline	ug/Kg	3700 U	1000 U	4700 U	1300 U	1800 U	1800 U	2000 U	940 U	890 U	930 U
Dimethylphthalate	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U	380 U
Acenaphthylene	ug/Kg	660 J	120 J	640 J	97 J	390 J	490 J	100 J	23 J	120 J	380 U
2,6-Dinitrotoluene	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U	380 U
3-Nitroaniline	ug/Kg	3700 U	1000 U	4700 U	1300 U	1800 U	1800 U	2000 U	940 U	890 U	930 U
Acenaphthene	ug/Kg	390 J	160 J	390 J	190 J	60 J	110 J	230 J	100 J	56 J	380 U
2,4-Dinitrophenol	ug/Kg	3700 U	1000 U	4700 U	1300 U	1800 U	1800 U	2000 U	940 U	890 U	930 U
4-Nitrophenol	ug/Kg	3700 U	1000 U	4700 U	1300 U	1800 U	1800 U	2000 U	940 U	890 U	930 U
Dibenzofuran	ug/Kg	280 J	110 J	280 J	130 J	53 J	83 J	820 U	82 J	26 J	380 U
2,4-Dinitrotoluene	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U	380 U
Diethylphthalate	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U	380 U
4-Chlorophenyl-phenylether	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U	380 U
Fluorene	ug/Kg	730 J	200 J	730 J	280 J	130 J	220 J	380 J	160 J	79 J	380 U
4-Nitroaniline	ug/Kg	3700 U	1000 U	4700 U	1300 U	1800 U	1800 U	2000 U	940 U	890 U	930 U
4,6-Dinitro-2-methylphenol	ug/Kg	3700 U	1000 U	4700 U	1300 U	1800 U	1800 U	2000 U	940 U	890 U	930 U
N-Nitrosodiphenylamine	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U	380 U
4-Bromophenyl-phenylether	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U	380 U
Hexachlorobenzene	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U	380 U
Pentachlorophenol	ug/Kg	3700 U	1000 U	4700 U	1300 U	1800 U	1800 U	2000 U	940 U	890 U	930 U
Phenanthrene	ug/Kg	6100	980	6200	1800	870 J	2100 J	1800	620	740	380 U
Anthracene	ug/Kg	1400 J	270 J	1400 J	600	250 J	580 J	440 J	160 J	290 J	380 U
Carbazole	ug/Kg	1200 J	210 J	1300 J	260 J	97 J	190 J	220 J	64 J	39 J	380 U
Di-n-butylphthalate	ug/Kg	1500 U	30 J	1900 U	29 J	740 U	740 U	820 U	390 U	67 J	380 U
Fluoranthene	ug/Kg	9700	1500	9900	2600	2600 J	4400 J	3200	750	1700	67 J
Pyrene	ug/Kg	12000	1400	13000	2200	3200 J	5800 J	3200	510	190 J	32 J
Butylbenzylphthalate	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U	380 U
3,3'-Dichlorobenzidine	ug/Kg	1500 U	420 U	1900 U	530 U	740 U	740 U	820 U	390 U	370 U	380 U
Benzo(a)anthracene	ug/Kg	4700	780	5000	1200	1700 J	3500 J	1600	260 J	910	34 J
Chrysene	ug/Kg	4800	930	5100	1200	1600 J	2700 J	1500	270 J	700	42 J
bis(2-Ethylhexyl)phthalate	ug/Kg	1500 U	80 J	1900 U	260 J	67 J	37 J	72 J	35 J	660	1300
Di-n-octylphthalate	ug/Kg	1500 UJ	420 U	1900 UJ	530 U	740 U	740 U	820 U	390 U	370 U	380 U
Benzo(b)fluoranthene	ug/Kg	5000 J	730	5100 J	860	3700 J	4400	3100 J	290 J	430	45 J
Benzo(k)fluoranthene	ug/Kg	5800 J	800	6100 J	810	740 UJ	2100 J	820 UJ	270 J	440	28 J
Benzo(a)pyrene	ug/Kg	5400 J	870	5500 J	1100	1900	3000	1500	250 J	47 J	380 U
Indeno(1,2,3-cd)pyrene	ug/Kg	2000 J	400 J	2200 J	590	1600	2200	940	130 J	82 J	380 U
Dibenz(a,h)anthracene	ug/Kg	930 J	420 U	1900 UJ	530 U	610 J	870	470 J	84 J	160 J	380 U
Benzo(g,h,i)perylene	ug/Kg	1900 J	430	2400 J	560	1100	1500	740 J	130 J	370 U	380 U

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

COMPOUND	UNITS	MATRIX: SOIL LOCATION: SEAD-59 DEPTH (FEET): 0-0.2 SAMPLE DATE: 02/20/94 ES ID: SB59-1.01 LAB ID: 212224 SDG NUMBER: 42494	MATRIX: SOIL LOCATION: SEAD-59 DEPTH (FEET): 6-8 SAMPLE DATE: 02/20/94 ES ID: SB59-1.04 LAB ID: 212225 SDG NUMBER: 42494	MATRIX: SOIL LOCATION: SEAD-59 DEPTH (FEET): 6-8 SAMPLE DATE: 02/20/94 ES ID: SB59-1.08 LAB ID: 212227 SDG NUMBER: 42494 SB59-1.04DUP	MATRIX: SOIL LOCATION: SEAD-59 DEPTH (FEET): 10-12 SAMPLE DATE: 02/20/94 ES ID: SB59-1.06 LAB ID: 212226 SDG NUMBER: 42494	MATRIX: SOIL LOCATION: SEAD-59 DEPTH (FEET): 0-0.2 SAMPLE DATE: 05/26/94 ES ID: SB59-2-00 LAB ID: 222479 SDG NUMBER: 44410	MATRIX: SOIL LOCATION: SEAD-59 DEPTH (FEET): 0-0.2 SAMPLE DATE: 05/26/94 ES ID: SB59-2-20 LAB ID: 222483 SDG NUMBER: 44410 SB59-2-00DUP	MATRIX: SOIL LOCATION: SEAD-59 DEPTH (FEET): 2-4 SAMPLE DATE: 05/26/94 ES ID: SB59-2-02 LAB ID: 222481 SDG NUMBER: 44410	MATRIX: SOIL LOCATION: SEAD-59 DEPTH (FEET): 6-7 SAMPLE DATE: 05/26/94 ES ID: SB59-2-04 LAB ID: 222482 SDG NUMBER: 44410	MATRIX: SOIL LOCATION: SEAD-59 DEPTH (FEET): 0-0.2 SAMPLE DATE: 05/25/94 ES ID: SB59-3-00 LAB ID: 222428 SDG NUMBER: 44345	MATRIX: SOIL LOCATION: SEAD-59 DEPTH (FEET): 2-4 SAMPLE DATE: 05/25/94 ES ID: SB59-3-02 LAB ID: 222429 SDG NUMBER: 44345
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2 U	2.2 U		2.1 U	1.9 UJ	1.9 UJ	2.1 UJ	2 UJ	3.8 U	2 U
beta-BHC	ug/Kg	2 U	2.2 U		2.1 U	1.9 UJ	1.9 UJ	2.1 UJ	2 UJ	3.8 U	2 U
delta-BHC	ug/Kg	2 U	2.2 U		2.1 U	1.9 UJ	1.9 UJ	2.1 UJ	2 UJ	3.8 U	2 U
gamma-BHC (Lindane)	ug/Kg	2 U	2.2 U		2.1 U	1.9 UJ	1.9 UJ	2.1 UJ	2 UJ	3.8 U	2 U
Heptachlor	ug/Kg	2 U	2.2 U		2.1 U	1.9 UJ	1.9 UJ	2.1 UJ	2 UJ	3.8 U	2 U
Aldrin	ug/Kg	2 U	2.2 U		2.1 U	1.9 UJ	0.96 J	1.2 J	2 UJ	3.8 U	2 U
Heptachlor epoxide	ug/Kg	2 U	2.2 U		2.1 U	1.9 UJ	1.9 UJ	2.1 UJ	2 UJ	3.8 U	2 U
Endosulfan I	ug/Kg	2 U	2.2 U		2.1 U	22 J	2.6 J	16 J	4.1 J	3.8 U	2 U
Dieldrin	ug/Kg	3.8 U	4.2 U		4 U	3.7 UJ	3.7 UJ	4.1 UJ	3.9 UJ	7.3 U	3.8 U
4,4'-DDE	ug/Kg	11 J	25		7.3 J	11 J	6.5 J	81 J	8.2 J	19 J	3.8 U
Endrin	ug/Kg	3.8 U	4.2 U		4 U	3.9 J	3.7 UJ	4.1 UJ	3.9 UJ	7.3 U	3.8 U
Endosulfan II	ug/Kg	5.1 J	4.2 U		4 U	3.7 UJ	4 J	4.1 UJ	3.9 UJ	7.3 U	3.8 U
4,4'-DDD	ug/Kg	5.9	36		11	4.3 J	4.8 J	48 J	5.4 J	7.7 J	3.8 U
Endosulfan sulfate	ug/Kg	3.8 U	4.2 U		4 U	3.7 UJ	3.7 UJ	4.1 UJ	3.9 UJ	7.3 U	3.8 U
4,4'-DDT	ug/Kg	38 J	25		21	26 J	13 J	16 J	3.9 UJ	33	3.8 U
Methoxychlor	ug/Kg	20 U	22 U		21 U	19 UJ	19 UJ	21 UJ	20 UJ	38 U	20 U
Endrin ketone	ug/Kg	3.8 U	4.2 U		4 U	3.7 UJ	3.7 UJ	4.1 UJ	3.9 UJ	7.3 U	3.8 U
Endrin aldehyde	ug/Kg	5.6 J	4.2 U		3.9 J	3.7 UJ	3.7 UJ	4.1 UJ	3.9 UJ	13 J	3.8 U
alpha-Chlordane	ug/Kg	2 U	2.2 U		2.1 U	2.1 J	3.4 J	5.2 J	2 UJ	5.1 J	2 U
gamma-Chlordane	ug/Kg	2 U	2.2 U		2.1 U	1.9 UJ	1.9 UJ	2.1 UJ	2 UJ	7.4	2 U
Toxaphene	ug/Kg	200 U	220 U		210 U	190 UJ	190 UJ	210 UJ	200 UJ	380 U	200 U
Aroclor-1016	ug/Kg	38 U	42 U		40 U	37 UJ	37 UJ	41 UJ	39 UJ	73 U	38 U
Aroclor-1221	ug/Kg	78 U	86 U		81 U	75 UJ	75 UJ	84 UJ	79 UJ	150 U	78 U
Aroclor-1232	ug/Kg	38 U	42 U		40 U	37 UJ	37 UJ	41 UJ	39 UJ	73 U	38 U
Aroclor-1242	ug/Kg	38 U	42 U		40 U	37 UJ	37 UJ	41 UJ	39 UJ	73 U	38 U
Aroclor-1248	ug/Kg	38 U	42 U		40 U	37 UJ	37 UJ	41 UJ	39 UJ	73 U	38 U
Aroclor-1254	ug/Kg	38 U	42 U		40 U	37 UJ	37 UJ	41 UJ	39 UJ	73 U	25 J
Aroclor-1260	ug/Kg	38 U	42 U		40 U	37 UJ	37 UJ	41 UJ	39 UJ	73 U	38 U
METALS											
Aluminum	mg/Kg	11200 J	13000 J		11800 J	8640	11800	12500	9340	9020	11700
Antimony	mg/Kg	0.56 J	0.74 J		0.24 J	0.43 J	0.38 J	0.84 J	0.26 J	0.15 UJ	0.17 UJ
Arsenic	mg/Kg	5 J	4.4 J		3.8 J	5.5	5.7	6	3.8	5.1	4.3
Barium	mg/Kg	77.6 J	108 J		75.7 J	76.4	79.5	93.4	66	59.1	77.5
Beryllium	mg/Kg	0.46 J	0.58 J		0.48 J	0.41 J	0.53 J	0.67 J	0.42 J	0.48 J	0.54 J
Cadmium	mg/Kg	0.5 J	0.37 J		0.1 J	0.74 J	0.87 J	0.9 J	0.41 J	0.75	0.55 J
Calcium	mg/Kg	150000 J	83700 J		37400 J	135000	66400	44500	65800	108000	69500
Chromium	mg/Kg	18.4 J	18.4 J		18.1 J	16.3	21.2	21.1	15.5	15.2	17.7
Cobalt	mg/Kg	9.4 J	7.1 J		8.6 J	7.9 J	12.3	11.7	9.1	8.7	8.1 J
Copper	mg/Kg	25.4 J	32.9 J		23.5 J	21.7	28.9	28.1	19.7	21.1	24.2
Iron	mg/Kg	20400 J	18300 J		20500 J	18200	24500	24600	20900	18100	19400
Lead	mg/Kg	51.6 J	38.4 J		10.5 J	40	49.8	50.3	12.9	29.2 J	11.4 J
Magnesium	mg/Kg	8690 J	8610 J		14500 J	11100	15200	8540	9190	11500	17500
Manganese	mg/Kg	516 J	418 J		329 J	410	542	664	836	555	411
Mercury	mg/Kg	0.05 J	0.16 J		0.03 J	0.06 J	1.6 J	0.08 J	0.04 J	0.04 J	0.05 J
Nickel	mg/Kg	27 J	23 J		27.9 J	23.8	32.3	31.8	24.7	23.4	29
Potassium	mg/Kg	2140 J	2290 J		2520 J	1590 J	1750 J	1690 J	1280 J	1460 J	1880 J
Selenium	mg/Kg	0.27 J	1 J		0.42 J	0.48 U	0.81 J	1.3	0.49 J	0.38 J	0.3 U
Silver	mg/Kg	0.16 U	0.15 U		0.12 U	0.09 UJ	0.11 UJ	0.32 J	0.08 UJ	0.1 UJ	0.12 UJ
Sodium	mg/Kg	135 J	353 J		164 J	189 J	171 J	168 J	148 J	183 J	556 J
Thallium	mg/Kg	0.17 U	0.27 U		0.22 U	0.34 U	0.41 U	0.4 U	0.29 U	0.24 U	0.28 U
Vanadium	mg/Kg	41.9 J	24.8 J		22 J	18.1	21.3	24.2	16.4	17.3	19.9
Zinc	mg/Kg	86.4 J	116 J		69.7 J	76.5	102	115	75.5	75	59.1
Cyanide	mg/Kg	0.56 U	0.63 U		0.59 U	0.5 U	0.54 U	0.56 U	0.59 U	0.46 U	0.57 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg	380	220	182	78	951	774	513	69	1360	29 U
Total Solids	%W/W	85.3	78.1	71	82.3	89.4	89.2	79.6	84.9	89.6	85.6

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

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

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-59	SEAD-59	SEAD-59	SEAD-59	SEAD-59	SEAD-59	SEAD-59	SEAD-59	SEAD-59	SEAD-59
	DEPTH (FEET)	2-4	6-8	0-0.2	8-10	10-20	0-0.2	4-6	4-6	10-12	2
	SAMPLE DATE	05/25/94	05/25/94	05/25/94	05/25/94	05/25/94	05/25/94	05/25/94	05/25/94	05/25/94	06/08/94
	ES ID	SB59-3-02RE	SB59-3-04	SB59-4-00	SB59-4-05	SB59-4-10	SB59-5-00	SB59-5-03	SB59-5-03RE	SB59-5-06	TP59-1
	LAB ID	222429	222430	222431	222432	222433	222434	222435	222435	222436	223514
	SDG NUMBER	44345	44345	44345	44345	44345	44345	44345	44345	44345	44694
COMPOUND	UNITS										
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
bis(2-Chloroethyl) ether	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
2-Chlorophenol	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
1,3-Dichlorobenzene	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
1,4-Dichlorobenzene	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
1,2-Dichlorobenzene	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
2-Methylphenol	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
2,2'-oxybis(1-Chloropropane)	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
4-Methylphenol	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
N-Nitroso-di-n-propylamine	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
Hexachloroethane	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
Nitrobenzene	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
Isophorone	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
2-Nitrophenol	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
2,4-Dimethylphenol	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
bis(2-Chloroethoxy) methane	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
2,4-Dichlorophenol	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
1,2,4-Trichlorobenzene	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
Naphthalene	ug/Kg	360 U	95 J	100 J	360 U	240 J	44 J	55 J	380 U	87000 U	
4-Chloroaniline	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
Hexachlorobutadiene	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
4-Chloro-3-methylphenol	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
2-Methylnaphthalene	ug/Kg	360 U	56 J	37 J	360 U	1800 U	45 J	55 J	380 U	87000 U	
Hexachlorocyclopentadiene	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
2,4,6-Trichlorophenol	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
2,4,5-Trichlorophenol	ug/Kg	880 U	1800 U	1000 U	870 U	4400 U	910 U	1300 U	920 U	210000 U	
2-Chloronaphthalene	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
2-Nitroaniline	ug/Kg	880 U	1800 U	1000 U	870 U	4400 U	910 U	1300 U	920 U	210000 U	
Dimethylphthalate	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
Acenaphthylene	ug/Kg	360 U	610 J	52 J	360 U	1100 J	190 J	250 J	380 U	87000 U	
2,6-Dinitrotoluene	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
3-Nitroaniline	ug/Kg	880 U	1800 U	1000 U	870 U	4400 U	910 U	1300 U	920 U	210000 U	
Acenaphthene	ug/Kg	360 U	63 J	93 J	360 U	310 J	44 J	50 J	380 U	87000 U	
2,4-Dinitrophenol	ug/Kg	880 U	1800 U	1000 U	870 U	4400 U	910 U	1300 U	920 U	210000 U	
4-Nitrophenol	ug/Kg	880 U	1800 U	1000 U	870 U	4400 U	910 U	1300 U	920 U	210000 U	
Dibenzofuran	ug/Kg	360 U	45 J	64 J	360 U	1800 U	28 J	42 J	380 U	87000 U	
2,4-Dinitrotoluene	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
Diethylphthalate	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
4-Chlorophenyl-phenylether	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
Fluorene	ug/Kg	360 U	90 J	100 J	360 U	300 J	90 J	110 J	380 U	87000 U	
4-Nitroaniline	ug/Kg	880 U	1800 U	1000 U	870 U	4400 U	910 U	1300 U	920 U	210000 U	
4,6-Dinitro-2-methylphenol	ug/Kg	880 U	1800 U	1000 U	870 U	4400 U	910 U	1300 U	920 U	210000 U	
N-Nitrosodiphenylamine	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
4-Bromophenyl-phenylether	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
Hexachlorobenzene	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
Pentachlorophenol	ug/Kg	880 U	1800 U	1000 U	870 U	4400 U	910 U	1300 U	920 U	210000 U	
Phenanthrene	ug/Kg	360 U	1100	1100	360 U	4300	1200 J	1500 J	380 U	87000 U	
Anthracene	ug/Kg	360 U	740 J	250 J	360 U	1500 J	410 J	550 J	380 U	87000 U	
Carbazole	ug/Kg	360 U	63 J	160 J	360 U	180 J	370 U	540 U	380 U	87000 U	
Di-n-butylphthalate	ug/Kg	360 U	250 J	120 J	360 U	1800 U	370 U	150 J	380 U	87000 U	
Fluoranthene	ug/Kg	360 U	3200	1900	19 J	9900	2300 J	3100 J	380 U	87000 U	
Pyrene	ug/Kg	360 U	1200	940	28 J	10000	2800	3300	380 U	87000 U	
Butylbenzylphthalate	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
3,3'-Dichlorobenzidine	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
Benzo(a)anthracene	ug/Kg	360 U	2100	740	360 U	6400	1400	1800	380 U	87000 U	
Chrysene	ug/Kg	360 U	1800	820	360 U	6200	1400	1900	380 U	87000 U	
bis(2-Ethylhexyl)phthalate	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	15000 J	
Di-n-octylphthalate	ug/Kg	360 U	740 U	420 U	360 U	1800 U	370 U	540 U	380 U	87000 U	
Benzo(b)fluoranthene	ug/Kg	360 U	2200	730	360 U	6300	1100 J	1300 J	380 U	87000 U	
Benzo(k)fluoranthene	ug/Kg	360 U	1500	590	360 U	4600	870 J	1400 J	380 U	87000 U	
Benzo(a)pyrene	ug/Kg	360 U	420 J	360 J	360 U	5800	1200 J	1500 J	380 U	87000 U	
Indeno(1,2,3-cd)pyrene	ug/Kg	360 U	470 J	300 J	360 U	5300	570 J	790 J	380 U	87000 U	
Dibenz(a,h)anthracene	ug/Kg	360 U	570 J	160 J	360 U	1900	300 J	320 J	380 U	87000 U	
Benzo(g,h,i)perylene	ug/Kg	360 U	740 U	420 U	360 U	790 J	150 J	200 J	380 U	87000 U	

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-59	SEAD-59	SEAD-59	SEAD-59	SEAD-59	SEAD-59	SEAD-59	SEAD-59	SEAD-59	SEAD-59
	DEPTH (FEET)	2-4	6-8	0-0.2	8-10	10-20	0-0.2	4-6	4-6	10-12	2
	SAMPLE DATE	05/25/94	05/25/94	05/25/94	05/25/94	05/25/94	05/25/94	05/25/94	05/25/94	05/25/94	06/08/94
	ES ID	SB59-3-02RE	SB59-3-04	SB59-4-00	SB59-4-05	SB59-4-10	SB59-5-00	SB59-5-03	SB59-5-03RE	SB59-5-06	TP59-1
	LAB ID	222429	222430	222431	222432	222433	222434	222435	222435	222436	223514
	SDG NUMBER	44345	44345	44345	44345	44345	44345	44345	44345	44345	44694
COMPOUND	UNITS										
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2 U	1.9 UJ	3.8 U	22 U	1.8 UJ	19 U	3.9 U		2 U	2.2 U
beta-BHC	ug/Kg	2 U	1.9 UJ	3.8 U	22 U	1.8 UJ	19 U	3.9 U		2 U	2.2 U
delta-BHC	ug/Kg	2 U	1.9 UJ	3.8 U	22 U	1.8 UJ	19 U	3.9 U		2 U	2.2 J
gamma-BHC (Lindane)	ug/Kg	2 U	1.9 UJ	3.8 U	22 U	1.8 UJ	19 U	3.9 U		2 U	2.2 U
Heptachlor	ug/Kg	2 U	1.9 UJ	3.8 U	22 U	1.8 UJ	19 U	3.9 U		2 U	2.2 U
Aldrin	ug/Kg	2 U	1.9 UJ	3.8 U	22 U	1.8 UJ	19 U	3.9 U		2 U	2.2 U
Heptachlor epoxide	ug/Kg	2 U	1.9 UJ	3.8 U	22 U	1.8 UJ	19 U	3.9 U		2 U	2.2 U
Endosulfan I	ug/Kg	2 U	1.9 UJ	3.8 U	22 U	1.8 UJ	19 U	3.9 U		2 U	1.5 J
Dieldrin	ug/Kg	3.8 U	3.6 UJ	7.4 U	42 U	3.6 UJ	37 U	7.5 U		3.8 U	3.6 J
4,4'-DDE	ug/Kg	3.8 U	3.6 UJ	7.3 J	140	3.6 UJ	37 U	21		3.8 U	13 J
Endrin	ug/Kg	3.8 U	3.6 UJ	7.4 U	42 U	3.6 UJ	37 U	7.5 U		3.8 U	4.3 U
Endosulfan II	ug/Kg	3.8 U	3.6 UJ	7.4 U	42 U	3.6 UJ	37 U	7.5 U		3.8 U	4.3 U
4,4'-DDD	ug/Kg	3.8 U	3.6 UJ	6.1 J	450	3.6 UJ	37 U	22 J		3.8 U	7
Endosulfan sulfate	ug/Kg	3.8 U	3.6 UJ	7.4 U	42 U	3.6 UJ	37 U	7.5 U		3.8 U	4.3 U
4,4'-DDT	ug/Kg	3.8 U	3.6 UJ	15 J	350	3.6 UJ	37 U	23 J		3.8 U	4.3 U
Methoxychlor	ug/Kg	20 U	19 UJ	38 U	220 U	18 UJ	190 U	39 U		20 U	22 U
Endrin ketone	ug/Kg	3.8 U	3.6 UJ	7.4 U	42 U	3.6 UJ	37 U	7.5 U		3.8 U	4.3 U
Endrin aldehyde	ug/Kg	3.8 U	3.6 UJ	7.4 U	42 U	3.6 UJ	37 U	7.5 U		3.8 U	4.3 U
alpha-Chlordane	ug/Kg	2 U	1.9 UJ	3.8 U	22 U	1.8 UJ	19 U	3.9 U		2 U	1.3 J
gamma-Chlordane	ug/Kg	2 U	1.9 UJ	2.7 J	22 U	1.8 UJ	19 U	2.2 J		2 U	2.2 U
Toxaphene	ug/Kg	200 U	190 UJ	380 U	2200 U	180 UJ	1900 U	390 U		200 U	220 U
Aroclor-1016	ug/Kg	38 U	36 UJ	74 U	420 U	36 UJ	370 U	75 U		38 U	43 U
Aroclor-1221	ug/Kg	78 U	74 UJ	150 U	850 U	73 UJ	740 U	150 U		77 U	88 U
Aroclor-1232	ug/Kg	38 U	36 UJ	74 U	420 U	36 UJ	370 U	75 U		38 U	43 U
Aroclor-1242	ug/Kg	38 U	36 UJ	74 U	420 U	36 UJ	370 U	75 U		38 U	43 U
Aroclor-1248	ug/Kg	38 U	36 UJ	74 U	420 U	36 UJ	370 U	75 U		38 U	43 U
Aroclor-1254	ug/Kg	30 J	36 UJ	74 U	420 U	36 UJ	370 U	75 U		38 U	43 U
Aroclor-1260	ug/Kg	38 U	36 UJ	74 U	420 U	36 UJ	370 U	75 U		38 U	43 U
METALS											
Aluminum	mg/Kg		8020	13100	4200	7550	12600	12800		7030	16000 J
Antimony	mg/Kg		0.15 UJ	0.17 UJ	424 J	0.22 UJ	0.41 J	0.2 UJ		0.18 UJ	0.26 UJ
Arsenic	mg/Kg		4.4	5.3	3.8	3.7	5.1	5.5		5.1	6.1
Barium	mg/Kg		62.9	90.1	304	21.1 J	101	81.9		36 J	120 J
Beryllium	mg/Kg		0.39 J	0.62 J	0.37 J	0.38 J	0.63 J	0.61 J		0.42 J	0.61 J
Cadmium	mg/Kg		0.52 J	1	3.2	0.42 J	1.3	0.91 J		0.61 J	0.6 J
Calcium	mg/Kg		71100	51000	214000	61700	59500	62800		85200	7690 J
Chromium	mg/Kg		13.3	20.8	14.7	12.8	22.1	20.1		13.1	23.8 J
Cobalt	mg/Kg		7.9	10.7	4 J	7.7 J	11.3	10.8		8.1 J	14.7 J
Copper	mg/Kg		18.4	31	14.2	15.6	32.5	26		18.8	19.6 J
Iron	mg/Kg		17600	23800	6540	17300	24800	24100		18100	33300 J
Lead	mg/Kg		9.3 J	59.8 J	139 J	9.5 J	91.9 J	42.1 J		12.3 J	15
Magnesium	mg/Kg		18500	10600	7980	14600	8640	11500		34400	5210 J
Manganese	mg/Kg		403	653	298	328	586	640		477	507 J
Mercury	mg/Kg		0.03 J	0.08	0.11	0.03 J	0.04 J	0.15		0.04 J	0.07 J R
Nickel	mg/Kg		22.5	41.3	10.6	21.3	33.1	29.8		27	34.4 J
Potassium	mg/Kg		1370 J	1850 J	845 J	1100 J	1620 J	1710 J		922 J	1540
Selenium	mg/Kg		0.26 U	0.28 U	0.28 J	0.96 J	0.37 U	0.53 J		0.31 U	1.2
Silver	mg/Kg		0.11 UJ	0.12 UJ	0.11 J	0.15 UJ	0.15 UJ	0.14 UJ		0.13 UJ	0.1 UJ
Sodium	mg/Kg		198 J	80 J	125 J	140 J	79.1 J	161 J		274 J	140 J
Thallium	mg/Kg		0.24 U	0.27 U	0.22 U	0.34 U	0.35 U	0.32 U		0.29 U	0.38 U
Vanadium	mg/Kg		13.6	23.2	13.9	12.1	22.1	23.2		13.3	25.3 J
Zinc	mg/Kg		53.6	131	341	54.9	106	101		64.9	1550 J
Cyanide	mg/Kg		0.51 U	0.51 U	0.61 U	0.47 U	0.53 U	0.5 U		0.56 U	0.58 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg		29 U	594	778	40	527	637		70	3820
Total Solids	%W/W		91	89.2	78.8	92	90.3	87.6		86.7	76

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

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

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-59	SEAD-59	SEAD-59	SEAD-59	SEAD-59	SEAD-59	SEAD-59
	DEPTH (FEET)	7	7	3	1.5	1.5	2	2.5
	SAMPLE DATE	02/20/94	02/20/94	06/08/94	06/28/94	06/28/94	06/08/94	06/08/94
	ES ID	TP59-2	TP59-2RE	TP59-3	TP59-3	TP59-3X	TP59-4	TP59-5
	LAB ID	212043	212043	223515	225801	225802	223516	223517
	SDG NUMBER	42494	42494	44694	45062	45062	44694	44694
COMPOUND	UNITS							
SEMIVOLATILE ORGANICS								
Phenol	ug/Kg	1800 U	3100 U	4000 U			98000 U	390 U
bis(2-Chloroethyl) ether	ug/Kg	1800 U	3100 U	4000 U			98000 U	390 U
2-Chlorophenol	ug/Kg	1800 U	3100 U	4000 U			98000 U	390 U
1,3-Dichlorobenzene	ug/Kg	1800 U	3100 U	4000 U			98000 U	390 U
1,4-Dichlorobenzene	ug/Kg	1800 U	3100 U	4000 U			98000 U	390 U
1,2-Dichlorobenzene	ug/Kg	1800 U	3100 U	4000 U			98000 U	390 U
2-Methylphenol	ug/Kg	1800 U	3100 U	4000 U			98000 U	390 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	1800 U	3100 U	4000 U			98000 U	390 U
4-Methylphenol	ug/Kg	1800 U	3100 U	4000 U			98000 U	390 U
N-Nitroso-di-n-propylamine	ug/Kg	1800 U	3100 U	4000 U			98000 U	390 U
Hexachloroethane	ug/Kg	1800 U	3100 U	4000 U			98000 U	390 U
Nitrobenzene	ug/Kg	1800 U	3100 U	4000 U			98000 U	390 U
Isophorone	ug/Kg	1800 U	3100 U	4000 U			98000 U	390 U
2-Nitrophenol	ug/Kg	1800 U	3100 U	4000 U			98000 U	390 U
2,4-Dimethylphenol	ug/Kg	1800 U	3100 U	4000 U			98000 U	390 U
bis(2-Chloroethoxy) methane	ug/Kg	1800 U	3100 U	4000 U			98000 U	390 U
2,4-Dichlorophenol	ug/Kg	1800 U	3100 U	4000 U			98000 U	390 U
1,2,4-Trichlorobenzene	ug/Kg	1800 U	3100 U	4000 U			98000 U	390 U
Naphthalene	ug/Kg	290 J	340 J	4000 U			98000 U	390 U
4-Chloroaniline	ug/Kg	1800 U	3100 U	4000 U			98000 U	390 U
Hexachlorobutadiene	ug/Kg	1800 U	3100 U	4000 U			98000 U	390 U
4-Chloro-3-methylphenol	ug/Kg	1800 U	3100 U	4000 U			98000 U	390 U
2-Methylnaphthalene	ug/Kg	400 J	430 J	4000 U			67000 J	390 U
Hexachlorocyclopentadiene	ug/Kg	1800 U	3100 U	4000 U			98000 U	390 U
2,4,6-Trichlorophenol	ug/Kg	1800 U	3100 U	4000 U			98000 U	390 U
2,4,5-Trichlorophenol	ug/Kg	4500 U	7400 U	9800 U			240000 U	940 U
2-Chloronaphthalene	ug/Kg	1800 U	3100 U	4000 U			98000 U	390 U
2-Nitroaniline	ug/Kg	4500 U	7400 U	9800 U			240000 U	940 U
Dimethylphthalate	ug/Kg	1800 U	3100 U	4000 U			98000 U	390 U
Acenaphthylene	ug/Kg	460 J	450 J	4000 U			98000 U	390 U
2,6-Dinitrotoluene	ug/Kg	1800 U	3100 U	4000 U			98000 U	390 U
3-Nitroaniline	ug/Kg	4500 U	7400 U	9800 U			240000 U	940 U
Acenaphthene	ug/Kg	670 J	960 J	4000 U			98000 U	390 U
2,4-Dinitrophenol	ug/Kg	4500 U	7400 U	9800 U			240000 U	940 U
4-Nitrophenol	ug/Kg	4500 U	7400 U	9800 U			240000 U	940 U
Dibenzofuran	ug/Kg	1800 U	560 J	4000 U			98000 U	390 U
2,4-Dinitrotoluene	ug/Kg	1800 U	3100 U	4000 U			98000 U	390 U
Diethylphthalate	ug/Kg	1800 U	3100 U	4000 U			98000 U	390 U
4-Chlorophenyl-phenylether	ug/Kg	1800 U	3100 U	4000 U			98000 U	390 U
Fluorene	ug/Kg	1300 J	1300 J	4000 U			22000 J	390 U
4-Nitroaniline	ug/Kg	4500 U	7400 U	9800 U			240000 U	940 U
4,6-Dinitro-2-methylphenol	ug/Kg	4500 U	7400 U	9800 U			240000 U	940 U
N-Nitrosodiphenylamine	ug/Kg	1800 U	3100 U	4000 U			98000 U	390 U
4-Bromophenyl-phenylether	ug/Kg	1800 U	3100 U	4000 U			98000 U	390 U
Hexachlorobenzene	ug/Kg	1800 U	3100 U	4000 U			98000 U	390 U
Pentachlorophenol	ug/Kg	4500 U	7400 U	9800 U			240000 U	940 U
Phenanthrene	ug/Kg	8300	9000	980 J			46000 J	390 U
Anthracene	ug/Kg	2100	2400 J	4000 U			98000 U	390 U
Carbazole	ug/Kg	1500 J	1800 J	4000 U			98000 U	390 U
Di-n-butylphthalate	ug/Kg	1800 U	3100 U	4000 U			98000 U	390 U
Fluoranthene	ug/Kg	10000	11000	1500 J			98000 U	390 U
Pyrene	ug/Kg	12000	17000 J	1700 J			98000 U	390 U
Butylbenzylphthalate	ug/Kg	1800 UJ	3100 UJ	320 J			98000 U	390 U
3,3'-Dichlorobenzidine	ug/Kg	1800 U	3100 UJ	4000 U			98000 U	390 U
Benzo(a)anthracene	ug/Kg	4200	4900 J	930 J			98000 U	390 U
Chrysene	ug/Kg	4400	5000 J	1100 J			98000 U	390 U
bis(2-Ethylhexyl)phthalate	ug/Kg	1800 U	200 J	4000 U			98000 U	46 J
Di-n-octylphthalate	ug/Kg	1800 UJ	3100 U R	4000 U			98000 U	390 U
Benzo(b)fluoranthene	ug/Kg	4400 J	5300 J	830 J			98000 U	390 U
Benzo(k)fluoranthene	ug/Kg	4900 J	5700 J	710 J			98000 U	390 U
Benzo(a)pyrene	ug/Kg	4600 J	5300 J	900 J			98000 U	390 U
Indeno(1,2,3-cd)pyrene	ug/Kg	1500 J	1800 J	520 J			98000 U	390 U
Dibenz(a,h)anthracene	ug/Kg	1800 UJ	3100 U R	4000 U			98000 U	390 U
Benzo(g,h,i)perylene	ug/Kg	1400 J	3100 U R	640 J			98000 U	390 U

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-59	SEAD-59	SEAD-59	SEAD-59	SEAD-59	SEAD-59	SEAD-59
	DEPTH (FEET)	7	7	3	1.5	1.5	2	2.5
	SAMPLE DATE	02/20/94	02/20/94	06/08/94	06/28/94	06/28/94	06/08/94	06/08/94
	ES ID	TP59-2	TP59-2RE	TP59-3	TP59-3	TP59-3X	TP59-4	TP59-5
	LAB ID	212043	212043	223515	225801	225802	223516	223517
	SDG NUMBER	42494	42494	44694	45062	45062	44694	44694
COMPOUND	UNITS							
PESTICIDES/PCB								
alpha-BHC	ug/Kg	3.8 U		2.1 U			2.5 U	2 U
beta-BHC	ug/Kg	3.8 U		2.1 U			2.5 U	2 U
delta-BHC	ug/Kg	3.8 U		2.1 U			2.5 U	2 U
gamma-BHC (Lindane)	ug/Kg	3.8 U		2.1 U			2.5 U	2 U
Heptachlor	ug/Kg	3.8 U		2.1 U			2.5 U	2 U
Aldrin	ug/Kg	3.8 U		2.1 U			2.5 U	2 U
Heptachlor epoxide	ug/Kg	2.2 J		2.1 U			2.5 U	2 U
Endosulfan I	ug/Kg	3.8 U		2.1 U			1.5 J	2 U
Dieldrin	ug/Kg	7.3 U		4 U			4.9 U	3.9 U
4,4'-DDE	ug/Kg	26 J		7.7 J			12	3.9 U
Endrin	ug/Kg	7.3 U		4 U			4.9 U	3.9 U
Endosulfan II	ug/Kg	7.1 J		4 U			4.9 U	3.9 U
4,4'-DDD	ug/Kg	15		7 J			25 J	3.9 U
Endosulfan sulfate	ug/Kg	7.3 U		2.6 J			4.9 U	3.9 U
4,4'-DDT	ug/Kg	20 J		8.2 J			4.9 U	3.9 U
Methoxychlor	ug/Kg	38 U		21 U			25 U	20 U
Endrin ketone	ug/Kg	7.3 U		4 U			4.9 U	3.9 U
Endrin aldehyde	ug/Kg	6.3 J		4 U			4.9 U	3.9 U
alpha-Chlordane	ug/Kg	3.8 U		2.1 U			2.5 U	2 U
gamma-Chlordane	ug/Kg	3.8 U		2.1 U			2.5 U	2 U
Toxaphene	ug/Kg	380 U		210 U			250 U	200 U
Aroclor-1016	ug/Kg	73 U		40 U			49 U	39 U
Aroclor-1221	ug/Kg	150 U		82 U			100 U	79 U
Aroclor-1232	ug/Kg	73 U		40 U			49 U	39 U
Aroclor-1242	ug/Kg	73 U		40 U			49 U	39 U
Aroclor-1248	ug/Kg	73 U		40 U			49 U	39 U
Aroclor-1254	ug/Kg	73 U		63			49 U	39 U
Aroclor-1260	ug/Kg	73 U		40 U			49 U	39 U
METALS								
Aluminum	mg/Kg	10200 J		12300 J			14600 J	8730 J
Antimony	mg/Kg	0.47 J		0.32 J			0.65 J	0.25 UJ
Arsenic	mg/Kg	4.8 J		4.6			4.9	4.1
Barium	mg/Kg	52.6 J		104 J			114 J	72 J
Beryllium	mg/Kg	0.43 J		0.52 J			0.72 J	0.33 J
Cadmium	mg/Kg	0.4 J		0.63 J			0.74 J	0.38 J
Calcium	mg/Kg	42700 J		53100 J			7780 J	77700 J
Chromium	mg/Kg	16.9 J		20.7 J			19.9 J	13.2 J
Cobalt	mg/Kg	9.1 J		9.8 J			7.9 J	6.3 J
Copper	mg/Kg	24 J		26.9 J			23.2 J	17.2 J
Iron	mg/Kg	19700 J		23600 J			21000 J	16800 J
Lead	mg/Kg	29.7 J		31.2			19.9	10.2
Magnesium	mg/Kg	6380 J		14600 J			2710 J	15400 J
Manganese	mg/Kg	425 J		426 J			1050 J	326 J
Mercury	mg/Kg	0.04 J		0.11 R			0.17 R	0.05 J R
Nickel	mg/Kg	25.3 J		30.1 J			17.2 J	21.1 J
Potassium	mg/Kg	1350 J		1820			1320	1310
Selenium	mg/Kg	0.12 U		0.49 U			1.9	0.52 U
Silver	mg/Kg	0.09 U		0.09 UJ			0.13 UJ	0.1 UJ
Sodium	mg/Kg	116 J		272 J			2310	169 J
Thallium	mg/Kg	0.21 U		0.34 U			0.48 U	0.37 U
Vanadium	mg/Kg	18.7 J		22.1 J			24 J	15.2 J
Zinc	mg/Kg	72.3 J		89.7 J			73.1 J	52.5 J
Cyanide	mg/Kg	0.55 U		0.46 U			0.69 U	0.45 U
OTHER ANALYSES								
Nitrate/Nitrite-Nitrogen	mg/Kg							
Total Petroleum Hydrocarbons	mg/Kg	1790		440			7870	47
Total Solids	%W/W	89.1		81.9			67.4	84.6

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

	MATRIX	WATER	WATER	WATER	WATER
	LOCATION	SEAD-59	SEAD-59	SEAD-59	SEAD-59
	SAMPLE DATE	03/30/94	03/30/94	07/21/94	07/21/94
	ES ID	MW59-1	MW59-4	MW59-2	MW59-3
	LAB ID	216048	218049	227726	227727
	SDG NUMBER	43179	43179	45448	45448
COMPOUND	UNITS		MW59-1DUP		
VOLATILE ORGANICS					
Chloromethane	ug/L	10 U		10 UJ	10 U
Bromomethane	ug/L	10 U		10 UJ	10 U
Vinyl Chloride	ug/L	10 U		10 UJ	10 U
Chloroethane	ug/L	10 U		10 UJ	10 U
Methylene Chloride	ug/L	10 U		10 UJ	10 U
Acetone	ug/L	10 U		10 UJ	10 U
Carbon Disulfide	ug/L	10 U		10 UJ	10 U
1,1-Dichloroethene	ug/L	10 U		10 UJ	10 U
1,1-Dichloroethane	ug/L	10 U		10 UJ	10 U
1,2-Dichloroethene (total)	ug/L	10 U		10 UJ	10 U
Chloroform	ug/L	10 U		10 UJ	10 U
1,2-Dichloroethane	ug/L	10 U		10 UJ	10 U
2-Butanone	ug/L	10 U		10 UJ	10 U
1,1,1-Trichloroethane	ug/L	10 U		10 UJ	10 U
Carbon Tetrachloride	ug/L	10 U		10 UJ	10 U
Bromodichloromethane	ug/L	10 U		10 UJ	10 U
1,2-Dichloropropane	ug/L	10 U		10 UJ	10 U
cis-1,3-Dichloropropene	ug/L	10 U		10 UJ	10 U
Trichloroethene	ug/L	10 U		10 UJ	10 U
Dibromochloromethane	ug/L	10 U		10 UJ	10 U
1,1,2-Trichloroethane	ug/L	10 U		10 UJ	10 U
Benzene	ug/L	10 U		10 UJ	10 U
trans-1,3-Dichloropropene	ug/L	10 U		10 UJ	10 U
Bromoform	ug/L	10 U		10 UJ	10 U
4-Methyl-2-Pentanone	ug/L	10 U		10 UJ	10 U
2-Hexanone	ug/L	10 U		10 UJ	10 U
Tetrachloroethene	ug/L	10 U		10 UJ	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U		10 UJ	10 U
Toluene	ug/L	10 U		10 UJ	10 U
Chlorobenzene	ug/L	10 U		10 UJ	10 U
Ethylbenzene	ug/L	10 U		10 UJ	10 U
Styrene	ug/L	10 U		10 UJ	10 U
Xylene (total)	ug/L	10 U		10 UJ	10 U
HERBICIDES					
2,4-D	ug/L				
2,4-DB	ug/L				
2,4,5-T	ug/L				
2,4,5-TP (Silvex)	ug/L				
Dalapon	ug/L				
Dicamba	ug/L				
Dichloroprop	ug/L				
Dinoseb	ug/L				
MCPA	ug/L				
MCPP	ug/L				
NITROAROMATICS					
HMX	ug/L				
RDX	ug/L				
1,3,5-Trinitrobenzene	ug/L				
1,3-Dinitrobenzene	ug/L				
Tetryl	ug/L				
2,4,6-Trinitrotoluene	ug/L				
4-amino-2,6-Dinitrotoluene	ug/L				
2-amino-4,6-Dinitrotoluene	ug/L				
2,6-Dinitrotoluene	ug/L				
2,4-Dinitrotoluene	ug/L				

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

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

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

COMPOUND	MATRIX	WATER	WATER	WATER	WATER
	LOCATION	SEAD-59	SEAD-59	SEAD-59	SEAD-59
	SAMPLE DATE	03/30/94	03/30/94	07/21/94	07/21/94
	ES ID	MW59-1	MW59-4	MW59-2	MW59-3
	LAB ID	216048	218049	227726	227727
	SDG NUMBER	43179	43179	45448	45448
	UNITS		MW59-1DUP		
PESTICIDES/PCB					
alpha-BHC	ug/L	0.052 U		0.052 U	0.052 U
beta-BHC	ug/L	0.052 U		0.052 U	0.052 U
delta-BHC	ug/L	0.052 U		0.052 U	0.052 U
gamma-BHC (Lindane)	ug/L	0.052 U		0.052 U	0.052 U
Heptachlor	ug/L	0.052 U		0.052 U	0.052 U
Aldrin	ug/L	0.052 U		0.052 U	0.052 U
Heptachlor epoxide	ug/L	0.052 U		0.052 U	0.052 U
Endosulfan I	ug/L	0.052 U		0.052 U	0.052 U
Dieldrin	ug/L	0.1 U		0.1 U	0.1 U
4,4'-DDE	ug/L	0.1 U		0.1 U	0.1 U
Endrin	ug/L	0.1 U		0.1 U	0.1 U
Endosulfan II	ug/L	0.1 U		0.1 U	0.1 U
4,4'-DDD	ug/L	0.1 U		0.1 U	0.1 U
Endosulfan sulfate	ug/L	0.1 U		0.1 U	0.1 U
4,4'-DDT	ug/L	0.1 U		0.1 U	0.1 U
Methoxychlor	ug/L	0.52 U		0.52 U	0.52 U
Endrin ketone	ug/L	0.1 U		0.1 U	0.1 U
Endrin aldehyde	ug/L	0.1 U		0.1 U	0.1 U
alpha-Chlordane	ug/L	0.052 U		0.052 U	0.052 U
gamma-Chlordane	ug/L	0.052 U		0.052 U	0.052 U
Toxaphene	ug/L	5.2 U		5.2 U	5.2 U
Aroclor-1016	ug/L	1 U		1 U	1 U
Aroclor-1221	ug/L	2.1 U		2.1 U	2.1 U
Aroclor-1232	ug/L	1 U		1 U	1 U
Aroclor-1242	ug/L	1 U		1 U	1 U
Aroclor-1248	ug/L	1 U		1 U	1 U
Aroclor-1254	ug/L	1 U		1 U	1 U
Aroclor-1260	ug/L	1 U		1 U	1 U
METALS					
Aluminum	ug/L	1940		299	2680
Antimony	ug/L	0.99 U		1.3 U	1.3 U
Arsenic	ug/L	2 J		2 U	2 U
Barium	ug/L	102 J		99.6 J	103 J
Beryllium	ug/L	0.06 U		0.1 U	0.1 U
Cadmium	ug/L	0.1 U		0.2 U	0.2 U
Calcium	ug/L	140000		125000	146000
Chromium	ug/L	3.4 J		0.78 J	3.6 J
Cobalt	ug/L	3.5 J		1.1 J	2.1 J
Copper	ug/L	4.3 J		0.5 U	3.6 J
Iron	ug/L	3120		731 J	3940 J
Lead	ug/L	2.4 J		0.9 U	1.5 J
Magnesium	ug/L	29000		29200	21200
Manganese	ug/L	780		109	253
Mercury	ug/L	0.03 U		0.05 J	0.06 J
Nickel	ug/L	7.6 J		1.9 J	6.7 J
Potassium	ug/L	2110 J		2640 J	4150 J
Selenium	ug/L	1.7 U		2.7 U	2.7 U
Silver	ug/L	0.7 U		0.5 U	0.5 U
Sodium	ug/L	66000		32100	239000
Thallium	ug/L	1.6 U		4 J	2.8 J
Vanadium	ug/L	3.4 J		1.1 J	4.7 J
Zinc	ug/L	21.8		4 J	26.2
Cyanide	ug/L	5 U		5 UJ	5 UJ
OTHER ANALYSES					
Nitrate/Nitrite-Nitrogen	mg/L				
Total Petroleum Hydrocarbons	mg/L	1.16 J	2.6 J	1.38	0.34 U
pH	Standard Units	7.2		7.9	7.1
Conductivity	umhos/cm	650		750	1600
Temperature	°C	3.9		14.6	17.6
Turbidity	NTU	146		14	56

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60
	DEPTH (FEET)	0-0.2	0-0.2	0-2	2-4	2-4	0-0.2	0-0.2	0-0.2	0-0.2	2-4
	SAMPLE DATE	05/27/94	05/27/94	02/28/94	02/28/94	02/28/94	06/07/94	06/07/94	06/07/94	06/07/94	06/08/94
	ES ID	SB60-1-00	SB60-1-20	SB60-1.01	SB60-1.02	SB60-1.20	SB60-2-00	SB60-2-20	SB60-2-20RE	SB60-2-00RE	SB60-2-0
	LAB ID	222473	222475	212883	212884	212886	223339	223342	223342	223339	223513
	SDG NUMBER	44410	44410	42510	42510	42510	44410	44665	44665	44410	44694
COMPOUND	UNITS		SB60-1-00DUP			SB60-1.02DUP		SB60-2-00DUP	SB60-2-00DUP		
VOLATILE ORGANICS											
Chloromethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Bromomethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Vinyl Chloride	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Chloroethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Methylene Chloride	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	2 J	27 J	11 UJ	11 U
Acetone	ug/Kg	12 U	12 U	11 U	11 U	11 U	160 J	12 UJ	49 UJ	170 J	11 U
Carbon Disulfide	ug/Kg	12 U	12 U	11 U	11 U	11 U	1 J	11 UJ	49 UJ	11 UJ	11 U
1,1-Dichloroethene	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
1,1-Dichloroethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
1,2-Dichloroethene (total)	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Chloroform	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
1,2-Dichloroethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
2-Butanone	ug/Kg	12 U	12 U	11 U	11 U	11 U	20 J	11 UJ	49 UJ	26 J	11 U
1,1,1-Trichloroethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Carbon Tetrachloride	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Bromodichloromethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
1,2-Dichloropropane	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
cis-1,3-Dichloropropene	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Trichloroethene	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Dibromochloromethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
1,1,2-Trichloroethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Benzene	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
trans-1,3-Dichloropropene	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Bromoform	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
4-Methyl-2-Pentanone	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
2-Hexanone	ug/Kg	12 U	12 U	11 U	11 U	1 J	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Tetrachloroethene	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Toluene	ug/Kg	12 U	12 U	11 U	11 U	11 U	6 J	13 J	5 J	13 J	2 J
Chlorobenzene	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Ethylbenzene	ug/Kg	12 U	12 U	11 U	11 U	11 U	2 J	2 J	49 UJ	4 J	11 U
Styrene	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Xylene (total)	ug/Kg	12 U	12 U	11 U	11 U	11 U	5 J	11 UJ	49 UJ	9 J	11 U
HERBICIDES											
2,4-D	ug/Kg										
2,4-DB	ug/Kg										
2,4,5-T	ug/Kg										
2,4,5-TP (Silvex)	ug/Kg										
Dalapon	ug/Kg										
Dicamba	ug/Kg										
Dichloroprop	ug/Kg										
Dinoseb	ug/Kg										
MCPA	ug/Kg										
MCPP	ug/Kg										
NITROAROMATICS											
HMX	ug/Kg										
RDX	ug/Kg										
1,3,5-Trinitrobenzene	ug/Kg										
1,3-Dinitrobenzene	ug/Kg										
Tetryl	ug/Kg										
2,4,6-Trinitrotoluene	ug/Kg										
4-amino-2,6-Dinitrotoluene	ug/Kg										
2-amino-4,6-Dinitrotoluene	ug/Kg										
2,6-Dinitrotoluene	ug/Kg										
2,4-Dinitrotoluene	ug/Kg										

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60
	DEPTH (FEET)	0-0.2	0-0.2	0-2	2-4	2-4	0-0.2	0-0.2	0-0.2	0-0.2	2-4
	SAMPLE DATE	05/27/94	05/27/94	02/28/94	02/28/94	02/28/94	06/07/94	06/07/94	06/07/94	06/07/94	06/08/94
	ES ID	SB60-1-00	SB60-1-20	SB60-1.01	SB60-1.02	SB60-1.20	SB60-2-00	SB60-2-20	SB60-2-20RE	SB60-2-00RE	SB60-2-0
	LAB ID	222473	222475	212883	212884	212886	223339	223342	223342	223339	223513
	SDG NUMBER	44410	44410	42510	42510	42510	44410	44665	44665	44410	44694
COMPOUND	UNITS		SB60-1-00DUP			SB60-1.02DUP		SB60-2-00DUP	SB60-2-00DUP		
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
bis(2-Chloroethyl) ether	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
2-Chlorophenol	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
1,3-Dichlorobenzene	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
1,4-Dichlorobenzene	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
1,2-Dichlorobenzene	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
2-Methylphenol	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
4-Methylphenol	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
N-Nitroso-di-n-propylamine	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Hexachloroethane	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Nitrobenzene	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Isophorone	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
2-Nitrophenol	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
2,4-Dimethylphenol	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
bis(2-Chloroethoxy) methane	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
2,4-Dichlorophenol	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
1,2,4-Trichlorobenzene	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Naphthalene	ug/Kg	390 U	38 J	370 U	370 U	390 U	18000 U	14000 U			360 U
4-Chloroaniline	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Hexachlorobutadiene	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
4-Chloro-3-methylphenol	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
2-Methylnaphthalene	ug/Kg	390 U	390 U	370 U	370 U	390 U	1100 J	14000 U			360 U
Hexachlorocyclopentadiene	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
2,4,6-Trichlorophenol	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
2,4,5-Trichlorophenol	ug/Kg	940 U	940 U	910 U	910 U	950 U	44000 U	35000 U			870 U
2-Chloronaphthalene	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
2-Nitroaniline	ug/Kg	940 U	940 U	910 U	910 U	950 U	44000 U	35000 U			870 U
Dimethylphthalate	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Acenaphthylene	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
2,6-Dinitrotoluene	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
3-Nitroaniline	ug/Kg	940 U	940 U	910 U	910 U	950 U	44000 U	35000 U			870 U
Acenaphthene	ug/Kg	390 U	59 J	370 U	370 U	390 U	18000 U	1400 J			360 U
2,4-Dinitrophenol	ug/Kg	940 U	940 U	910 U	910 U	950 U	44000 U	35000 U			870 U
4-Nitrophenol	ug/Kg	940 U	940 U	910 U	910 U	950 U	44000 U	35000 U			870 U
Dibenzofuran	ug/Kg	390 U	29 J	370 U	370 U	390 U	18000 U	14000 U			360 U
2,4-Dinitrotoluene	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Diethylphthalate	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
4-Chlorophenyl-phenylether	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Fluorene	ug/Kg	390 U	48 J	370 U	370 U	390 U	18000 U	1300 J			360 U
4-Nitroaniline	ug/Kg	940 U	940 U	910 U	910 U	950 U	44000 U	35000 U			870 U
4,6-Dinitro-2-methylphenol	ug/Kg	940 U	940 U	910 U	910 U	950 U	44000 U	35000 U			870 U
N-Nitrosodiphenylamine	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
4-Bromophenyl-phenylether	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Hexachlorobenzene	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Pentachlorophenol	ug/Kg	940 U	940 U	910 U	910 U	950 U	44000 U	35000 U			870 U
Phenanthrene	ug/Kg	140 J	570 J	25 J	370 U	390 U	5100 J	8900 J			360 U
Anthracene	ug/Kg	26 J	98 J	370 U	370 U	390 U	18000 U	2000 J			360 U
Carbazole	ug/Kg	390 U	79 J	370 U	370 U	390 U	18000 U	14000 U			360 U
Di-n-butylphthalate	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	1500 J			360 U
Fluoranthene	ug/Kg	480 J	1100 J	33 J	370 U	390 U	7300 J	14000 J			27 J
Pyrene	ug/Kg	350 J	700 J	31 J	37 J	27 J	10000 J	27000 J			27 J
Butylbenzylphthalate	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
3,3'-Dichlorobenzidine	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Benzo(a)anthracene	ug/Kg	200 J	340 J	370 U	370 U	390 U	18000 U	14000 U			360 U
Chrysene	ug/Kg	250 J	400	370 U	370 U	390 U	18000 U	17000 J			18 J
bis(2-Ethylhexyl)phthalate	ug/Kg	42 J	54 J	370 U	370 U	380 J	18000 U	14000 U			360 U
Di-n-octylphthalate	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Benzo(b)fluoranthene	ug/Kg	310 J	730 J	370 U	370 U	390 U	18000 U	16000 J			360 U
Benzo(k)fluoranthene	ug/Kg	190 J	390 UJ	370 U	370 U	390 U	18000 U	14000 UJ			360 U
Benzo(a)pyrene	ug/Kg	230 J	350 J	370 U	370 U	390 U	18000 U	14000 U			360 U
Indeno(1,2,3-cd)pyrene	ug/Kg	150 J	220 J	370 U	370 U	390 U	18000 U	14000 U			360 U
Dibenz(a,h)anthracene	ug/Kg	91 J	110 J	370 U	370 U	390 U	18000 U	14000 U			360 U
Benzo(g,h,i)perylene	ug/Kg	220 J	190 J	370 U	370 U	390 U	18000 U	14000 U			360 U

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60
	DEPTH (FEET)	0-0.2	0-0.2	0-2	2-4	2-4	0-0.2	0-0.2	0-0.2	0-0.2	2-4
	SAMPLE DATE	05/27/94	05/27/94	02/28/94	02/28/94	02/28/94	06/07/94	06/07/94	06/07/94	06/07/94	06/08/94
	ES ID	SB60-1-00	SB60-1-20	SB60-1.01	SB60-1.02	SB60-1.20	SB60-2-00	SB60-2-20	SB60-2-20RE	SB60-2-00RE	SB60-2-0
	LAB ID	222473	222475	212883	212884	212886	223339	223342	223342	223339	223513
	SDG NUMBER	44410	44410	42510	42510	42510	44410	44665	44665	44410	44694
COMPOUND	UNITS		SB60-1-00DUP			SB60-1.02DUP		SB60-2-00DUP	SB60-2-00DUP		
PESTICIDES/PCB											
alpha-BHC	ug/Kg	4 UJ	2 UJ	1.9 U	1.9 U	2 U	9.4 U	5 J			1.8 U
beta-BHC	ug/Kg	4 UJ	2 UJ	1.9 U	1.9 U	2 U	9.4 U	9.2 U			1.8 U
delta-BHC	ug/Kg	4 UJ	2 UJ	1.9 U	1.9 U	2 U	9.4 U	9.2 U			1.8 U
gamma-BHC (Lindane)	ug/Kg	4 UJ	2 UJ	1.9 U	1.9 U	2 U	9.4 U	9.2 U			1.8 U
Heptachlor	ug/Kg	4 UJ	2 UJ	1.9 U	1.9 U	2 U	9.4 U	9.2 U			1.8 U
Aldrin	ug/Kg	4 UJ	2 UJ	1.9 U	1.9 U	2 U	16 J	14 J			1.8 U
Heptachlor epoxide	ug/Kg	4 UJ	2 UJ	1.9 U	1.9 U	2 U	9.4 U	9.2 U			1.8 U
Endosulfan I	ug/Kg	3.2 J	2.2 J	1.9 U	1.9 U	2 U	31 J	34 J			1.8 U
Dieldrin	ug/Kg	7.8 UJ	3.9 UJ	3.7 U	3.7 U	3.9 U	18 U	18 U			3.6 U
4,4'-DDE	ug/Kg	110 J	57 J	2.7 J	3.7 U	3.9 U	26 J	31 J			3.6 U
Endrin	ug/Kg	7.8 UJ	3.9 UJ	3.7 U	3.7 U	3.9 U	18 U	18 U			3.6 U
Endosulfan II	ug/Kg	7.8 UJ	3.9 UJ	3.7 U	3.7 U	3.9 U	18 U	18 U			3.6 U
4,4'-DDD	ug/Kg	7.8 UJ	3.9 UJ	3.7 U	3.7 U	3.9 U	49 J	55 J			3.6 U
Endosulfan sulfate	ug/Kg	7.8 UJ	3.9 UJ	3.7 U	3.7 U	3.9 U	18 U	18 U			3.6 U
4,4'-DDT	ug/Kg	84 J	8.7 J	3.7 U	3.7 U	3.9 U	130 J	100			3.6 U
Methoxychlor	ug/Kg	40 UJ	20 UJ	19 U	19 U	20 U	94 U	92 U			18 U
Endrin ketone	ug/Kg	7.8 UJ	3.9 UJ	3.7 U	3.7 U	3.9 U	14 J	13 J			3.6 U
Endrin aldehyde	ug/Kg	7.8 UJ	3.9 UJ	3.7 U	3.7 U	3.9 U	18 U	18 U			3.6 U
alpha-Chlordane	ug/Kg	4 UJ	2 UJ	1.9 U	1.9 U	2 U	27 J	26 J			1.8 U
gamma-Chlordane	ug/Kg	4 UJ	2 UJ	1.9 U	1.9 U	2 U	9.8 J	10 J			1.8 U
Toxaphene	ug/Kg	400 UJ	200 UJ	190 U	190 U	200 U	940 U	920 U			180 U
Aroclor-1016	ug/Kg	78 UJ	39 UJ	37 U	37 U	39 U	180 U	180 U			36 U
Aroclor-1221	ug/Kg	160 UJ	79 UJ	76 U	76 U	80 U	370 U	360 U			73 U
Aroclor-1232	ug/Kg	78 UJ	39 UJ	37 U	37 U	39 U	180 U	180 U			36 U
Aroclor-1242	ug/Kg	78 UJ	39 UJ	37 U	37 U	39 U	180 U	970 J			36 U
Aroclor-1248	ug/Kg	78 UJ	39 UJ	37 U	37 U	39 U	2100 J	180 U			36 U
Aroclor-1254	ug/Kg	78 UJ	39 UJ	37 U	37 U	39 U	180 U	180 U			36 U
Aroclor-1260	ug/Kg	78 UJ	39 UJ	37 U	37 U	39 U	4400 J	3400			36 U
METALS											
Aluminum	mg/Kg	10700	10800	8440	13300	10500	9300	9420			6850 J
Antimony	mg/Kg	0.28 J	0.28 UJ	0.43 J	0.36 J	0.2 UJ	1.8 J	0.27 J			0.29 J
Arsenic	mg/Kg	5.3	5.1	4.1 J	6.2 J	4.7 J	8.1	5.5			4.6
Barium	mg/Kg	71.5	77.6	98.3	85.8	68.6	679	575			71.7 J
Beryllium	mg/Kg	0.46 J	0.47 J	0.43 J	0.67 J	0.49 J	0.38 J	0.42 J			0.26 J
Cadmium	mg/Kg	0.58 J	0.43 J	0.36 J	0.27 J	0.24 J	2	1.2			0.32 J
Calcium	mg/Kg	65800	63600	75100	39500	64000	56200	45900 J			90900 J
Chromium	mg/Kg	17.7	18.3	14.2	19.4	16.6	18.8	16			12 J
Cobalt	mg/Kg	9.6	9.4 J	8.3 J	10.8	9.7 J	9.5 J	7.5 J			8.1 J
Copper	mg/Kg	24.9	23	21.3	21.7	20.8	190	112			16.6 J
Iron	mg/Kg	22000	22800	18900	23900	21000	22800	18200			15600 J
Lead	mg/Kg	17.1	14.2	47.5 J	12.6 J	9.4 J	66.7	36.3			7.2
Magnesium	mg/Kg	13300	12200	11300	10400	17200	9150	12200			25400 J
Manganese	mg/Kg	422	377	333	360	431	317	305			536 J
Mercury	mg/Kg	0.06 J	0.05 J	0.08 J	0.03 J	0.02 J	0.03 J	0.01 U			0.03 J
Nickel	mg/Kg	30.9	30.2	23.5	29.1	27.7	29.5	23			23.5 J
Potassium	mg/Kg	1830 J	1920 J	1470	1620	1820	1870 J	1770 J			1860
Selenium	mg/Kg	0.43 U	0.58 U	0.32 U	0.31 U	0.34 U	1.5 J	0.86 J			0.54 U
Silver	mg/Kg	0.08 UJ	0.11 UJ	0.13 U	0.13 U	0.14 U	0.1 UJ	0.08 UJ			0.1 UJ
Sodium	mg/Kg	93.4 J	105 J	75 J	99.8 J	129 J	127 J	106 J			119 J
Thallium	mg/Kg	0.3 U	0.41 U	0.25 U	0.14 U	0.26 U	0.39 U	0.31 U			0.38 U
Vanadium	mg/Kg	17.9	18.6	14.8	21.9	17	21.2	18.1			13.7 J
Zinc	mg/Kg	85	79.7	58.6	80.7	101	569	415			43.7 J
Cyanide	mg/Kg	0.58 U	0.48 U	0.52 U	0.52 U	0.59 U	0.48 U	0.51 U			0.48 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg	30 U	87 J	29 U	87 J	27 U	208000	218000			283
Total Solids	%W/W	85.4	85.2	88.4	87.7	83.8	90.1	92.5			91.8

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

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

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60
	DEPTH (FEET)	6-8	6-8	0-0.2	4-6	6-8
	SAMPLE DATE	06/07/94	06/07/94	06/08/94	06/08/94	06/08/94
	ES ID 2	SB60-2-04	SB60-2-04RE	SB60-3.00	SB60-3.03	SB60-3.04
	LAB ID	223340	223340	223499	223500	223501
	SDG NUMBER	44665	44665	44665	44665	44665
COMPOUND	UNITS					
SEMIVOLATILE ORGANICS						
Phenol	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
bis(2-Chloroethyl) ether	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
2-Chlorophenol	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
1,3-Dichlorobenzene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
1,4-Dichlorobenzene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
1,2-Dichlorobenzene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
2-Methylphenol	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
4-Methylphenol	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
N-Nitroso-di-n-propylamine	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Hexachloroethane	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Nitrobenzene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Isophorone	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
2-Nitrophenol	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
2,4-Dimethylphenol	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
bis(2-Chloroethoxy) methane	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
2,4-Dichlorophenol	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
1,2,4-Trichlorobenzene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Naphthalene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
4-Chloroaniline	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Hexachlorobutadiene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
4-Chloro-3-methylphenol	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
2-Methylnaphthalene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Hexachlorocyclopentadiene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
2,4,6-Trichlorophenol	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
2,4,5-Trichlorophenol	ug/Kg	850 U	850 UJ	5400 U	860 U	850 U
2-Chloronaphthalene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
2-Nitroaniline	ug/Kg	850 U	850 UJ	5400 U	860 U	850 U
Dimethylphthalate	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Acenaphthylene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
2,6-Dinitrotoluene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
3-Nitroaniline	ug/Kg	850 U	850 UJ	5400 U	860 U	850 U
Acenaphthene	ug/Kg	350 U	32 J	2200 U	350 U	350 U
2,4-Dinitrophenol	ug/Kg	850 U	850 UJ	5400 U	860 U	850 U
4-Nitrophenol	ug/Kg	850 U	850 UJ	5400 U	860 U	850 U
Dibenzofuran	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
2,4-Dinitrotoluene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Diethylphthalate	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
4-Chlorophenyl-phenyl ether	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Fluorene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
4-Nitroaniline	ug/Kg	850 U	850 UJ	5400 U	860 U	850 U
4,6-Dinitro-2-methylphenol	ug/Kg	850 U	850 UJ	5400 U	860 U	850 U
N-Nitrosodiphenylamine	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
4-Bromophenyl-phenyl ether	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Hexachlorobenzene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Pentachlorophenol	ug/Kg	850 U	850 UJ	5400 U	860 U	850 U
Phenanthrene	ug/Kg	350 U	350 UJ	680 J	350 U	350 U
Anthracene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Carbazole	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Di-n-butylphthalate	ug/Kg	350 U	350 UJ	2200 U	81 J	94 J
Fluoranthene	ug/Kg	29 J	350 UJ	1300 J	350 U	350 U
Pyrene	ug/Kg	62 J	350 UJ	2000 J	350 U	350 U
Butylbenzylphthalate	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
3,3'-Dichlorobenzidine	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Benzo(a)anthracene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Chrysene	ug/Kg	350 U	350 UJ	1100 J	350 U	350 U
bis(2-Ethylhexyl)phthalate	ug/Kg	43 J	350 UJ	2200 U	350 U	160 J
Di-n-octylphthalate	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Benzo(b)fluoranthene	ug/Kg	350 U	350 UJ	1500 J	350 U	350 U
Benzo(k)fluoranthene	ug/Kg	350 U	350 UJ	2200 UJ	350 U	350 U
Benzo(a)pyrene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Indeno(1,2,3-cd)pyrene	ug/Kg	350 U	46 J	1100 J	350 U	350 U
Dibenz(a,h)anthracene	ug/Kg	350 U	27 J	1100 J	350 U	350 U
Benzo(g,h,i)perylene	ug/Kg	350 U	43 J	1600 J	350 U	350 U

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60
	DEPTH (FEET)	6-8	6-8	0-0.2	4-6	6-8
	SAMPLE DATE	06/07/94	06/07/94	06/08/94	06/08/94	06/08/94
	ES ID 2	SB60-2-04	SB60-2-04RE	SB60-3.00	SB60-3.03	SB60-3.04
	LAB ID	223340	223340	223499	223500	223501
	SDG NUMBER	44665	44665	44665	44665	44665
COMPOUND	UNITS					
PESTICIDES/PCB						
alpha-BHC	ug/Kg	1.8 U		2.9 UJ	1.8 U	1.8 U
beta-BHC	ug/Kg	1.8 U		2.9 UJ	1.8 U	1.8 U
delta-BHC	ug/Kg	1.8 U		2.9 UJ	1.8 U	1.8 U
gamma-BHC (Lindane)	ug/Kg	1.8 U		2.9 UJ	1.8 U	1.8 U
Heptachlor	ug/Kg	1.8 U		2.9 UJ	1.8 U	1.8 U
Aldrin	ug/Kg	1.8 U		2.9 UJ	1.8 U	1.8 U
Heptachlor epoxide	ug/Kg	1.8 U		2.9 UJ	1.8 U	1.8 U
Endosulfan I	ug/Kg	1.8 U		6.3 J	1.8 U	1.8 U
Dieldrin	ug/Kg	3.5 U		5.6 UJ	3.5 U	3.5 U
4,4'-DDE	ug/Kg	3.5 U		28 J	3.5 U	3.5 U
Endrin	ug/Kg	3.5 U		5.6 UJ	3.5 U	3.5 U
Endosulfan II	ug/Kg	3.5 U		5.8 UJ	3.5 U	3.5 U
4,4'-DDD	ug/Kg	3.5 U		100 J	3.5 U	3.5 U
Endosulfan sulfate	ug/Kg	3.5 U		5.6 UJ	3.5 U	3.5 U
4,4'-DDT	ug/Kg	3.5 U		5.6 UJ	3.5 U	3.5 U
Methoxychlor	ug/Kg	18 U		29 UJ	18 U	18 U
Endrin ketone	ug/Kg	3.5 U		5.6 UJ	3.5 U	3.5 U
Endrin aldehyde	ug/Kg	3.5 U		5.6 UJ	3.5 U	3.5 U
alpha-Chlordane	ug/Kg	1.8 U		3 J	1.8 U	1.8 U
gamma-Chlordane	ug/Kg	1.8 U		2.9 UJ	1.8 U	1.8 U
Toxaphene	ug/Kg	180 U		290 UJ	180 U	180 U
Aroclor-1016	ug/Kg	35 U		56 UJ	35 U	35 U
Aroclor-1221	ug/Kg	71 U		110 UJ	72 U	71 U
Aroclor-1232	ug/Kg	35 U		56 UJ	35 U	35 U
Aroclor-1242	ug/Kg	35 U		56 UJ	35 U	35 U
Aroclor-1248	ug/Kg	35 U		56 UJ	35 U	35 U
Aroclor-1254	ug/Kg	35 U		56 UJ	35 U	35 U
Aroclor-1260	ug/Kg	35 U		220 J	35 U	35 U
METALS						
Aluminum	mg/Kg	8320		14100	6980	13200
Antimony	mg/Kg	0.22 UJ		0.49 J	0.26 J	0.18 UJ
Arsenic	mg/Kg	3.8		7	4	5.6
Barium	mg/Kg	90.1		416	64	50.1
Beryllium	mg/Kg	0.38 J		0.66 J	0.35 J	0.63 J
Cadmium	mg/Kg	0.33 J		1.5 J	0.35 J	0.72
Calcium	mg/Kg	72300 J		23700 J	102000 J	50600 J
Chromium	mg/Kg	14.1		23.3	12	22.7
Cobalt	mg/Kg	7.9 J		13.1 J	8.2	12.7
Copper	mg/Kg	20.5		74.1	19.8	30.6
Iron	mg/Kg	17700		25700	15500	32100
Lead	mg/Kg	9.5		50.6	8.2	15.3
Magnesium	mg/Kg	19000		8570	18000	11400
Manganese	mg/Kg	368		443	417	378
Mercury	mg/Kg	0.07 J		0.02 U	0.02 J	0.01 J
Nickel	mg/Kg	23.6		31.3	22.9	44.3
Potassium	mg/Kg	1820 J		1820 J	1690 J	1920 J
Selenium	mg/Kg	0.47 U		1.2 J	0.43 U	0.65 J
Silver	mg/Kg	0.09 UJ		0.17 UJ	0.08 UJ	0.07 UJ
Sodium	mg/Kg	119 J		118 J	113 J	140 J
Thallium	mg/Kg	0.33 U		0.64 U	0.3 U	0.26 U
Vanadium	mg/Kg	14.5		26.2	12.9	19.3
Zinc	mg/Kg	64.4		314	56.3	266
Cyanide	mg/Kg	0.43 U		0.76 U	0.46 U	0.51 U
OTHER ANALYSES						
Nitrate/Nitrite-Nitrogen	mg/Kg					
Total Petroleum Hydrocarbons	mg/Kg	332		50900	57	34
Total Solids	%W/W	94.2		59.1	93.1	93.8

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

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

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

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

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

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-60 07/07/94 MW60-1 226301 45257	WATER SEAD-60 07/07/94 MW60-2 226302 45257	WATER SEAD-60 07/07/94 MW60-5 226305 45257 MW60-2DUP	WATER SEAD-60 03/29/94 MW60-3 215838 43179
PESTICIDES/PCB					
alpha-BHC	ug/L	0.051 U	0.051 U	0.054 UJ	0.052 U
beta-BHC	ug/L	0.051 U	0.051 U	0.054 UJ	0.049 J
delta-BHC	ug/L	0.051 U	0.051 U	0.054 UJ	0.052 U
gamma-BHC (Lindane)	ug/L	0.051 U	0.051 U	0.054 UJ	0.052 U
Heptachlor	ug/L	0.051 U	0.051 U	0.054 UJ	0.052 U
Aldrin	ug/L	0.051 U	0.051 U	0.054 UJ	0.052 U
Heptachlor epoxide	ug/L	0.051 U	0.051 U	0.054 UJ	0.052 U
Endosulfan I	ug/L	0.051 U	0.051 U	0.054 UJ	0.052 U
Dieldrin	ug/L	0.1 U	0.1 U	0.11 UJ	0.1 U
4,4'-DDE	ug/L	0.1 U	0.1 U	0.11 UJ	0.1 U
Endrin	ug/L	0.1 U	0.1 U	0.11 UJ	0.1 U
Endosulfan II	ug/L	0.1 U	0.1 U	0.11 UJ	0.1 U
4,4'-DDD	ug/L	0.1 U	0.1 U	0.11 UJ	0.1 U
Endosulfan sulfate	ug/L	0.1 U	0.1 U	0.11 UJ	0.1 U
4,4'-DDT	ug/L	0.1 U	0.1 U	0.11 UJ	0.1 U
Methoxychlor	ug/L	0.51 U	0.51 U	0.54 UJ	0.52 U
Endrin ketone	ug/L	0.1 U	0.1 U	0.11 UJ	0.1 U
Endrin aldehyde	ug/L	0.1 U	0.1 U	0.11 UJ	0.1 U
alpha-Chlordane	ug/L	0.051 U	0.051 U	0.054 UJ	0.052 U
gamma-Chlordane	ug/L	0.051 U	0.051 U	0.054 UJ	0.052 U
Toxaphene	ug/L	5.1 U	5.1 U	5.4 UJ	5.2 U
Aroclor-1016	ug/L	1 U	1 U	1.1 UJ	1 U
Aroclor-1221	ug/L	2 U	2 U	2.2 UJ	2.1 U
Aroclor-1232	ug/L	1 U	1 U	1.1 UJ	1 U
Aroclor-1242	ug/L	1 U	1 U	1.1 UJ	1 U
Aroclor-1248	ug/L	1 U	1 U	1.1 UJ	1 U
Aroclor-1254	ug/L	1 U	1 U	1.1 UJ	1 U
Aroclor-1260	ug/L	1 U	1 U	1.1 UJ	1 U
METALS					
Aluminum	ug/L	348	42.6 J	58 J	376
Antimony	ug/L	1.3 U	1.3 U	1.3 U	0.99 U
Arsenic	ug/L	2 U	2 U	2 U	1.5 U
Barium	ug/L	88.7 J	45 J	40 J	34 J
Beryllium	ug/L	0.1 U	0.1 U	0.1 U	0.06 U
Cadmium	ug/L	0.2 U	0.2 U	0.2 U	0.1 U
Calcium	ug/L	95100	109000	112000	113000
Chromium	ug/L	0.56 J	0.4 U	0.4 U	0.51 J
Cobalt	ug/L	0.5 U	0.5 U	0.5 U	0.72 J
Copper	ug/L	0.5 U	0.5 U	0.5 U	0.99 J
Iron	ug/L	1290	1300	1340	1440
Lead	ug/L	0.9 U	0.9 U	0.89 U	0.79 U
Magnesium	ug/L	31100	53500	55100	52600
Manganese	ug/L	377	125	116	166
Mercury	ug/L	0.05 J	0.04 U	0.05 J	0.03 U
Nickel	ug/L	0.7 U	0.7 U	0.7 U	1.6 J
Potassium	ug/L	8760	4530 J	3950 J	4510 J
Selenium	ug/L	2.7 U	2.7 U	2.7 U	1.7 U
Silver	ug/L	0.5 U	0.5 U	0.5 U	0.69 U
Sodium	ug/L	59400	12300	10900	11400
Thallium	ug/L	1.9 U	1.9 U	1.9 U	1.8 J
Vanadium	ug/L	1 J	0.5 U	0.5 U	1.5 J
Zinc	ug/L	6.9 J	3.2 J	2.2 U	4.8 J
Cyanide	ug/L	5 U	5 U	5 U	5 U
OTHER ANALYSES					
Nitrate/Nitrite-Nitrogen	mg/L				
Total Petroleum Hydrocarbons	mg/L	2.2	1.22	0.76	0.4 U
pH	Standard Units	7.4	7.3	7.3	7.6
Conductivity	umhos/cm	1010	700	700	615
Temperature	°C	11.7	11.5	11.5	8.2
Turbidity	NTU	104	8.6	8.6	5.8

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

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

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

	MATRIX	WATER	WATER	WATER	WATER
	LOCATION	SEAD-60	SEAD-60	SEAD-60	SEAD-60
	SAMPLE DATE	04/27/94	04/20/94	04/20/94	04/20/94
	ES ID	SW60-1	SW60-2	SW60-3	SW60-5
	LAB ID	219531	218496	218497	218498
	SDG NUMBER	43626	43626	43626	43626
COMPOUND	UNITS				SW60-3DUP
SEMIVOLATILE ORGANICS					
Phenol	ug/L	10 U	12 U	11 U	11 U
bis(2-Chloroethyl) ether	ug/L	10 U	12 U	11 U	11 U
2-Chlorophenol	ug/L	10 U	12 U	11 U	11 U
1,3-Dichlorobenzene	ug/L	10 U	12 U	11 U	11 U
1,4-Dichlorobenzene	ug/L	10 U	12 U	11 U	11 U
1,2-Dichlorobenzene	ug/L	10 U	12 U	11 U	11 U
2-Methylphenol	ug/L	10 U	12 U	11 U	11 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	12 U	11 U	11 U
4-Methylphenol	ug/L	10 U	12 U	11 U	11 U
N-Nitroso-di-n-propylamine	ug/L	10 U	12 U	11 U	11 U
Hexachloroethane	ug/L	10 U	12 U	11 U	11 U
Nitrobenzene	ug/L	10 U	12 U	11 U	11 U
Isophorone	ug/L	10 U	12 U	11 U	11 U
2-Nitrophenol	ug/L	10 U	12 U	11 U	11 U
2,4-Dimethylphenol	ug/L	10 U	12 U	11 U	11 U
bis(2-Chloroethoxy) methane	ug/L	10 U	12 U	11 U	11 U
2,4-Dichlorophenol	ug/L	10 U	12 U	11 U	11 U
1,2,4-Trichlorobenzene	ug/L	10 U	12 U	11 U	11 U
Naphthalene	ug/L	10 U	12 U	11 U	11 U
4-Chloroaniline	ug/L	10 U	12 U	11 U	11 U
Hexachlorobutadiene	ug/L	10 U	12 U	11 U	11 U
4-Chloro-3-methylphenol	ug/L	10 U	12 U	11 U	11 U
2-Methylnaphthalene	ug/L	10 U	12 U	11 U	11 U
Hexachlorocyclopentadiene	ug/L	10 U	12 U	11 U	11 U
2,4,6-Trichlorophenol	ug/L	10 U	12 U	11 U	11 U
2,4,5-Trichlorophenol	ug/L	26 U	29 U	29 U	27 U
2-Chloronaphthalene	ug/L	10 U	12 U	11 U	11 U
2-Nitroaniline	ug/L	26 U	29 U	29 U	27 U
Dimethylphthalate	ug/L	10 U	12 U	11 U	11 U
Acenaphthylene	ug/L	10 U	12 U	11 U	11 U
2,6-Dinitrotoluene	ug/L	10 U	12 U	11 U	11 U
3-Nitroaniline	ug/L	26 U	29 U	29 U	27 U
Acenaphthene	ug/L	10 U	12 U	11 U	11 U
2,4-Dinitrophenol	ug/L	26 U	29 U	29 U	27 U
4-Nitrophenol	ug/L	26 U	29 U	29 U	27 U
Dibenzofuran	ug/L	10 U	12 U	11 U	11 U
2,4-Dinitrotoluene	ug/L	10 U	12 U	11 U	11 U
Diethylphthalate	ug/L	10 U	12 U	11 U	11 U
4-Chlorophenyl-phenyl ether	ug/L	10 U	12 U	11 U	11 U
Fluorene	ug/L	10 U	12 U	11 U	11 U
4-Nitroaniline	ug/L	26 U	29 U	29 U	27 U
4,6-Dinitro-2-methylphenol	ug/L	26 U	29 U	29 U	27 U
N-Nitrosodiphenylamine	ug/L	10 U	12 U	11 U	11 U
4-Bromophenyl-phenyl ether	ug/L	10 U	12 U	11 U	11 U
Hexachlorobenzene	ug/L	10 U	12 U	11 U	11 U
Pentachlorophenol	ug/L	26 U	29 U	29 U	27 U
Phenanthrene	ug/L	10 U	12 U	11 U	11 U
Anthracene	ug/L	10 U	12 U	11 U	11 U
Carbazole	ug/L	10 U	12 U	11 U	11 U
Di-n-butylphthalate	ug/L	10 U	12 U	11 U	11 U
Fluoranthene	ug/L	10 U	12 U	11 U	11 U
Pyrene	ug/L	10 U	12 U	11 U	11 U
Butylbenzylphthalate	ug/L	10 U	12 U	11 U	11 U
3,3'-Dichlorobenzidine	ug/L	10 U	12 U	11 U	11 U
Benzo(a)anthracene	ug/L	10 U	12 U	11 U	11 U
Chrysene	ug/L	10 U	12 U	11 U	11 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	12 U	11 U	11 U
Di-n-octylphthalate	ug/L	10 U	12 U	11 U	11 U
Benzo(b)fluoranthene	ug/L	10 U	12 U	11 U	11 U
Benzo(k)fluoranthene	ug/L	10 U	12 U	11 U	11 U
Benzo(a)pyrene	ug/L	10 U	12 U	11 U	11 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	12 U	11 U	11 U
Dibenz(a,h)anthracene	ug/L	10 U	12 U	11 U	11 U
Benzo(g,h,i)perylene	ug/L	10 U	12 U	11 U	11 U

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

COMPOUND	MATRIX	WATER	WATER	WATER	WATER
	LOCATION	SEAD-60	SEAD-60	SEAD-60	SEAD-60
	SAMPLE DATE	04/27/94	04/20/94	04/20/94	04/20/94
	ES ID	SW60-1	SW60-2	SW60-3	SW60-5
	LAB ID	219531	218496	218497	218498
	SDG NUMBER	43626	43626	43626	43626
	UNITS				SW60-3DUP
PESTICIDES/PCB					
alpha-BHC	ug/L	0.054 U	0.058 U	0.058 U	0.054 U
beta-BHC	ug/L	0.054 U	0.058 U	0.058 U	0.054 U
delta-BHC	ug/L	0.054 U	0.058 U	0.058 U	0.054 U
gamma-BHC (Lindane)	ug/L	0.054 U	0.058 U	0.058 U	0.054 U
Heptachlor	ug/L	0.054 U	0.058 U	0.058 U	0.054 U
Aldrin	ug/L	0.054 U	0.058 U	0.058 U	0.054 U
Heptachlor epoxide	ug/L	0.054 U	0.058 U	0.058 U	0.054 U
Endosulfan I	ug/L	0.054 U	0.058 U	0.058 U	0.054 U
Dieldrin	ug/L	0.11 U	0.12 U	0.12 U	0.11 U
4,4'-DDE	ug/L	0.11 U	0.12 U	0.12 U	0.11 U
Endrin	ug/L	0.11 U	0.12 U	0.12 U	0.11 U
Endosulfan II	ug/L	0.11 U	0.12 U	0.12 U	0.11 U
4,4'-DDD	ug/L	0.11 U	0.12 U	0.12 U	0.11 U
Endosulfan sulfate	ug/L	0.11 U	0.12 U	0.12 U	0.11 U
4,4'-DDT	ug/L	0.11 U	0.12 U	0.12 U	0.11 U
Methoxychlor	ug/L	0.54 U	0.58 U	0.58 U	0.54 U
Endrin ketone	ug/L	0.11 U	0.12 U	0.12 U	0.11 U
Endrin aldehyde	ug/L	0.11 U	0.12 U	0.12 U	0.11 U
alpha-Chlordane	ug/L	0.054 U	0.058 U	0.058 U	0.054 U
gamma-Chlordane	ug/L	0.054 U	0.058 U	0.058 U	0.054 U
Toxaphene	ug/L	5.4 U	5.8 U	5.8 U	5.4 U
Aroclor-1016	ug/L	1.1 U	1.2 U	1.2 U	1.1 U
Aroclor-1221	ug/L	2.2 U	2.3 U	2.3 U	2.1 U
Aroclor-1232	ug/L	1.1 U	1.2 U	1.2 U	1.1 U
Aroclor-1242	ug/L	1.1 U	1.2 U	1.2 U	1.1 U
Aroclor-1248	ug/L	1.1 U	1.2 U	1.2 U	1.1 U
Aroclor-1254	ug/L	1.1 U	1.2 U	1.2 U	1.1 U
Aroclor-1260	ug/L	1.1 U	1.2 U	1.2 U	1.1 U
METALS					
Aluminum	ug/L	35.7 J	259	71 J	93.5 J
Antimony	ug/L	1 U	1 U	0.99 U	0.99 U
Arsenic	ug/L	1.5 U	1.6 J	1.5 U	1.5 U
Barium	ug/L	28.7 J	49.4 J	21.9 J	22.4 J
Beryllium	ug/L	0.06 U	0.06 U	0.06 U	0.06 U
Cadmium	ug/L	0.1 U	0.1 U	0.1 U	0.1 U
Calcium	ug/L	42300	89000	41800	42200
Chromium	ug/L	0.56 J	0.68 J	0.4 U	0.4 U
Cobalt	ug/L	0.6 U	0.6 U	0.59 U	0.59 U
Copper	ug/L	1.7 J	2 J	1.1 J	1.1 J
Iron	ug/L	78 J	453	86.9 J	121
Lead	ug/L	0.8 U	0.8 U	0.79 U	0.79 U
Magnesium	ug/L	8260	22000	8310	8390
Manganese	ug/L	12.5 J	28.5	3.8 J	4.5 J
Mercury	ug/L	0.03 U	0.03 U	0.03 U	0.03 U
Nickel	ug/L	0.98 J	1.8 J	0.59 U	0.83 J
Potassium	ug/L	1060 J	1430 J	643 J	649 J
Selenium	ug/L	1.7 U	1.7 U	1.7 U	1.7 U
Silver	ug/L	0.7 U	0.7 U	0.69 U	0.69 U
Sodium	ug/L	2030 J	53800	2340 J	2410 J
Thallium	ug/L	1.6 U	1.6 U	1.6 U	1.6 U
Vanadium	ug/L	0.7 U	0.85 J	0.69 U	0.69 U
Zinc	ug/L	3 J	3.4 J	8.5 J	9.6 J
Cyanide	ug/L	5 UJ	5 UJ	5 UJ	5 UJ
OTHER ANALYSES					
Nitrate/Nitrite-Nitrogen	mg/L				
Total Petroleum Hydrocarbons	mg/L	0.38 U	0.41 U	0.43 U	0.39 U
pH	Standard Units	8.4	8.7	9.1	9.1
Conductivity	umhos/cm	232	675	180	180
Temperature	°C	23.3	16	10	10
Turbidity	NTU	2.2	5.7	2.4	2.4

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

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

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

	MATRIX	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-60	SEAD-60	SEAD-60	SEAD-60
	DEPTH (FEET)	0-0.2	0-0.2	0-0.2	0-0.2
	SAMPLE DATE	04/27/94	04/20/94	04/20/94	04/20/94
	ES ID	SD60-1	SD60-2	SD60-3	SD60-5
	LAB ID	219550	218490	218491	218493
	SDG NUMBER	43663	43663	43663	43663
COMPOUND	UNITS				SD60-3DUP
SEMIVOLATILE ORGANICS					
Phenol	ug/Kg	580 U	650 U	550 U	520 U
bis(2-Chloroethyl) ether	ug/Kg	580 U	650 U	550 U	520 U
2-Chlorophenol	ug/Kg	580 U	650 U	550 U	520 U
1,3-Dichlorobenzene	ug/Kg	580 U	650 U	550 U	520 U
1,4-Dichlorobenzene	ug/Kg	580 U	650 U	550 U	520 U
1,2-Dichlorobenzene	ug/Kg	580 U	650 U	550 U	520 U
2-Methylphenol	ug/Kg	580 U	650 U	550 U	520 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	580 U	650 U	550 U	520 U
4-Methylphenol	ug/Kg	580 U	650 U	550 U	520 U
N-Nitroso-di-n-propylamine	ug/Kg	580 U	650 U	550 U	520 U
Hexachloroethane	ug/Kg	580 U	650 U	550 U	520 U
Nitrobenzene	ug/Kg	580 U	650 U	550 U	520 U
Isophorone	ug/Kg	580 U	650 U	550 U	520 U
2-Nitrophenol	ug/Kg	580 U	650 U	550 U	520 U
2,4-Dimethylphenol	ug/Kg	580 U	650 U	550 U	520 U
bis(2-Chloroethoxy) methane	ug/Kg	580 U	650 U	550 U	520 U
2,4-Dichlorophenol	ug/Kg	580 U	650 U	550 U	520 U
1,2,4-Trichlorobenzene	ug/Kg	580 U	650 U	550 U	520 U
Naphthalene	ug/Kg	580 U	650 U	550 U	520 U
4-Chloroaniline	ug/Kg	580 U	650 U	550 U	520 U
Hexachlorobutadiene	ug/Kg	580 U	650 U	550 U	520 U
4-Chloro-3-methylphenol	ug/Kg	580 U	650 U	550 U	520 U
2-Methylnaphthalene	ug/Kg	580 U	650 U	550 U	520 U
Hexachlorocyclopentadiene	ug/Kg	580 U	650 U	550 U	520 U
2,4,6-Trichlorophenol	ug/Kg	580 U	650 U	550 U	520 U
2,4,5-Trichlorophenol	ug/Kg	1400 U	1600 U	1300 U	1300 U
2-Chloronaphthalene	ug/Kg	580 U	650 U	550 U	520 U
2-Nitroaniline	ug/Kg	1400 U	1600 U	1300 U	1300 U
Dimethylphthalate	ug/Kg	580 U	650 U	550 U	520 U
Acenaphthylene	ug/Kg	580 U	650 U	550 U	520 U
2,6-Dinitrotoluene	ug/Kg	580 U	650 U	550 U	520 U
3-Nitroaniline	ug/Kg	1400 U	1600 U	1300 U	1300 U
Acenaphthene	ug/Kg	580 U	650 U	550 U	520 U
2,4-Dinitrophenol	ug/Kg	1400 U	1600 U	1300 U	1300 U
4-Nitrophenol	ug/Kg	1400 U	1600 U	1300 U	1300 U
Dibenzofuran	ug/Kg	580 U	650 U	550 U	520 U
2,4-Dinitrotoluene	ug/Kg	580 U	650 U	550 U	520 U
Diethylphthalate	ug/Kg	580 U	650 U	550 U	520 U
4-Chlorophenyl-phenyl ether	ug/Kg	580 U	650 U	550 U	520 U
Fluorene	ug/Kg	580 U	650 U	550 U	520 U
4-Nitroaniline	ug/Kg	1400 U	1600 U	1300 U	1300 U
4,6-Dinitro-2-methylphenol	ug/Kg	1400 U	1600 U	1300 U	1300 U
N-Nitrosodiphenylamine	ug/Kg	580 U	650 U	550 U	520 U
4-Bromophenyl-phenyl ether	ug/Kg	580 U	650 U	550 U	520 U
Hexachlorobenzene	ug/Kg	580 U	650 U	550 U	520 U
Pentachlorophenol	ug/Kg	1400 U	1600 U	1300 U	1300 U
Phenanthrene	ug/Kg	580 U	63 J	70 J	57 J
Anthracene	ug/Kg	580 U	650 U	550 U	520 U
Carbazole	ug/Kg	580 U	650 U	550 U	520 U
Di-n-butylphthalate	ug/Kg	580 U	650 U	550 U	520 U
Fluoranthene	ug/Kg	580 U	160 J	200 J	160 J
Pyrene	ug/Kg	580 U	190 J	250 J	180 J
Butylbenzylphthalate	ug/Kg	580 U	650 U	550 U	520 U
3,3'-Dichlorobenzidine	ug/Kg	580 U	650 U	550 U	520 U
Benzo(a)anthracene	ug/Kg	580 U	56 J	68 J	51 J
Chrysene	ug/Kg	580 U	130 J	160 J	130 J
bis(2-Ethylhexyl)phthalate	ug/Kg	110 J	1100	75 J	53 J
Di-n-octylphthalate	ug/Kg	580 U	650 U	550 U	520 U
Benzo(b)fluoranthene	ug/Kg	580 U	120 J	120 J	90 J
Benzo(k)fluoranthene	ug/Kg	580 U	87 J	97 J	92 J
Benzo(a)pyrene	ug/Kg	580 U	79 J	64 J	59 J
Indeno(1,2,3-cd)pyrene	ug/Kg	580 U	68 J	57 J	49 J
Dibenz(a,h)anthracene	ug/Kg	580 U	650 U	550 U	520 U
Benzo(g,h,i)perylene	ug/Kg	580 U	93 J	67 J	54 J

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

	MATRIX	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-60	SEAD-60	SEAD-60	SEAD-60
	DEPTH (FEET)	0-0.2	0-0.2	0-0.2	0-0.2
	SAMPLE DATE	04/27/94	04/20/94	04/20/94	04/20/94
	ES ID	SD60-1	SD60-2	SD60-3	SD60-5
	LAB ID	219550	218490	218491	218493
	SDG NUMBER	43663	43663	43663	43663
COMPOUND	UNITS				SD60-3DUP
PESTICIDES/PCB					
alpha-BHC	ug/Kg	3 U	3.3 U	2.8 U	2.7 U
beta-BHC	ug/Kg	3 U	3.3 U	2.8 U	2.7 U
delta-BHC	ug/Kg	3 U	3.3 U	2.8 U	2.7 U
gamma-BHC (Lindane)	ug/Kg	3 U	3.3 U	2.8 U	2.7 U
Heptachlor	ug/Kg	3 U	3.3 U	2.8 U	2.7 U
Aldrin	ug/Kg	3 U	3.3 U	2.8 U	2.7 U
Heptachlor epoxide	ug/Kg	3 U	3.3 U	2.8 U	2.7 U
Endosulfan I	ug/Kg	3 U	3.3 U	2.1 J	1.8 J
Dieldrin	ug/Kg	5.8 U	6.5 U	5.5 U	5.2 U
4,4'-DDE	ug/Kg	5.8 U	6.5 U	5.4 J	5 J
Endrin	ug/Kg	5.8 U	6.5 U	5.5 U	5.2 U
Endosulfan II	ug/Kg	5.8 U	6.5 U	5.5 U	5.2 U
4,4'-DDD	ug/Kg	5.8 U	6.5 U	5.5 U	5.2 U
Endosulfan sulfate	ug/Kg	5.8 U	6.5 U	5.5 U	5.2 U
4,4'-DDT	ug/Kg	5.8 U	6.5 U	2.7 J	3.4 J
Methoxychlor	ug/Kg	30 U	33 U	28 U	27 U
Endrin ketone	ug/Kg	5.8 U	6.5 U	5.5 U	5.2 U
Endrin aldehyde	ug/Kg	5.8 U	6.5 U	5.5 U	5.2 U
alpha-Chlordane	ug/Kg	3 U	3.3 U	1.9 J	2.7 U
gamma-Chlordane	ug/Kg	3 U	3.3 U	2.8 U	2.7 U
Toxaphene	ug/Kg	300 U	330 U	280 U	270 U
Aroclor-1016	ug/Kg	58 U	65 U	55 U	52 U
Aroclor-1221	ug/Kg	120 U	130 U	110 U	110 U
Aroclor-1232	ug/Kg	58 U	65 U	55 U	52 U
Aroclor-1242	ug/Kg	58 U	65 U	55 U	52 U
Aroclor-1248	ug/Kg	58 U	65 U	55 U	52 U
Aroclor-1254	ug/Kg	58 U	65 U	55 U	52 U
Aroclor-1260	ug/Kg	58 U	65 U	55 U	52 U
METALS					
Aluminum	mg/Kg	12700	10700	5470	2940
Antimony	mg/Kg	0.28 UJ	0.24 UJ	0.28 UJ	0.32 UJ
Arsenic	mg/Kg	4.8	3.6	3.7	2.9 J
Barium	mg/Kg	97.6	80.3	46.5 J	23.5 J
Beryllium	mg/Kg	0.62 J	0.54 J	0.35 J	0.21 J
Cadmium	mg/Kg	0.34 J	0.44 J	0.25 J	0.13 J
Calcium	mg/Kg	3760	21300	93000	227000
Chromium	mg/Kg	19.5	17.5	9	4.8
Cobalt	mg/Kg	9.6 J	8.2 J	6.7 J	3.3 J
Copper	mg/Kg	14.2	21.1	12.5	7.7 J
Iron	mg/Kg	25000	22000	12700	6580
Lead	mg/Kg	13.9	24.6	9.1	3.5
Magnesium	mg/Kg	4370	7490	8380	3770
Manganese	mg/Kg	467 J	282 J	509 J	292 J
Mercury	mg/Kg	0.05 J R	0.04 J R	0.02 U	0.03 J
Nickel	mg/Kg	27.2	26.7	16.2	9.2 J
Potassium	mg/Kg	1610	1190 J	988 J	765 J
Selenium	mg/Kg	0.48 U	0.41 U	0.48 U	0.54 U
Silver	mg/Kg	0.2 U	0.17 U	0.2 U	0.22 U
Sodium	mg/Kg	45 U	134 J	67.3 J	91 J
Thallium	mg/Kg	0.45 U	0.55 J	0.46 U	0.51 U
Vanadium	mg/Kg	23.9	19.2	11.1 J	6.6 J
Zinc	mg/Kg	93.5	88.1	101	48.6
Cyanide	mg/Kg	0.83 U	0.94 U	3.3	2.1
OTHER ANALYSES					
Nitrate/Nitrite-Nitrogen	mg/Kg				
Total Petroleum Hydrocarbons	mg/Kg	40 U	149	44 U	48 U
Total Solids	%W/W	56.8	50.7	60.5	62.8

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

	MATRIX	SOIL	SOIL	SOIL
	LOCATION	SEAD-62	SEAD-62	SEAD-62
	DEPTH (FEET)	0-0.5	3	2
	SAMPLE DATE	06/12/94	06/12/94	06/12/94
	ES ID	TP62-1-1	TP62-2-1	TP62-3-1
	LAB ID	224086	224088	224089
	SDG NUMBER	44748	44748	44748
COMPOUND	UNITS			
VOLATILE ORGANICS				
Chloromethane	ug/Kg	11 U	11 U	12 U
Bromomethane	ug/Kg	11 U	11 U	12 U
Vinyl Chloride	ug/Kg	11 U	11 U	12 U
Chloroethane	ug/Kg	11 U	11 U	12 U
Methylene Chloride	ug/Kg	11 U	11 U	12 U
Acetone	ug/Kg	21 U	11 U	12 U
Carbon Disulfide	ug/Kg	11 U	11 U	12 U
1,1-Dichloroethene	ug/Kg	11 U	11 U	12 U
1,1-Dichloroethane	ug/Kg	11 U	11 U	12 U
1,2-Dichloroethene (total)	ug/Kg	11 U	11 U	12 U
Chloroform	ug/Kg	11 U	11 U	12 U
1,2-Dichloroethane	ug/Kg	11 U	11 U	12 U
2-Butanone	ug/Kg	11 U	11 U	12 U
1,1,1-Trichloroethane	ug/Kg	11 U	11 U	12 U
Carbon Tetrachloride	ug/Kg	11 U	11 U	12 U
Bromodichloromethane	ug/Kg	11 U	11 U	12 U
1,2-Dichloropropane	ug/Kg	11 U	11 U	12 U
cis-1,3-Dichloropropene	ug/Kg	11 U	11 U	12 U
Trichloroethene	ug/Kg	11 U	11 U	12 U
Dibromochloromethane	ug/Kg	11 U	11 U	12 U
1,1,2-Trichloroethane	ug/Kg	11 U	11 U	12 U
Benzene	ug/Kg	11 U	11 U	12 U
trans-1,3-Dichloropropene	ug/Kg	11 U	11 U	12 U
Bromoform	ug/Kg	11 U	11 U	12 U
4-Methyl-2-Pentanone	ug/Kg	11 U	11 U	12 U
2-Hexanone	ug/Kg	11 U	11 U	12 U
Tetrachloroethene	ug/Kg	11 U	11 U	12 U
1,1,2,2-Tetrachloroethane	ug/Kg	11 U	11 U	12 U
Toluene	ug/Kg	11 U	11 U	12 U
Chlorobenzene	ug/Kg	11 U	11 U	12 U
Ethylbenzene	ug/Kg	11 U	11 U	12 U
Styrene	ug/Kg	11 U	11 U	12 U
Xylene (total)	ug/Kg	11 U	11 U	12 U
HERBICIDES				
2,4-D	ug/Kg	73 U	56 U	63 U
2,4-DB	ug/Kg	73 U	56 U	63 U
2,4,5-T	ug/Kg	10 J	5.6 U	6.3 J
2,4,5-TP (Silvex)	ug/Kg	7.3 U	5.6 U	6.3 U
Dalapon	ug/Kg	180 U	140 U	150 U
Dicamba	ug/Kg	7.3 U	5.6 U	9.3 J
Dichloroprop	ug/Kg	73 U	56 U	63 U
Dinoseb	ug/Kg	37 U	28 U	32 U
MCPA	ug/Kg	7300 U	5600 U	6300 U
MCPP	ug/Kg	7300 U	5600 U	6300 U
NITROAROMATICS				
HMX	ug/Kg			
RDX	ug/Kg			
1,3,5-Trinitrobenzene	ug/Kg			
1,3-Dinitrobenzene	ug/Kg			
Tetryl	ug/Kg			
2,4,6-Trinitrotoluene	ug/Kg			
4-amino-2,6-Dinitrotoluene	ug/Kg			
2-amino-4,6-Dinitrotoluene	ug/Kg			
2,6-Dinitrotoluene	ug/Kg			
2,4-Dinitrotoluene	ug/Kg			

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

	MATRIX	SOIL	SOIL	SOIL
	LOCATION	SEAD-62	SEAD-62	SEAD-62
	DEPTH (FEET)	0-0.5	3	2
	SAMPLE DATE	06/12/94	06/12/94	06/12/94
	ES ID	TP62-1-1	TP62-2-1	TP62-3-1
	LAB ID	224086	224088	224089
	SDG NUMBER	44748	44748	44748
COMPOUND	UNITS			
SEMIVOLATILE ORGANICS				
Phenol	ug/Kg	480 U	370 U	410 U
bis(2-Chloroethyl) ether	ug/Kg	480 U	370 U	410 U
2-Chlorophenol	ug/Kg	480 U	370 U	410 U
1,3-Dichlorobenzene	ug/Kg	480 U	370 U	410 U
1,4-Dichlorobenzene	ug/Kg	480 U	370 U	410 U
1,2-Dichlorobenzene	ug/Kg	480 U	370 U	410 U
2-Methylphenol	ug/Kg	480 U	370 U	410 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	480 U	370 U	410 U
4-Methylphenol	ug/Kg	480 U	370 U	410 U
N-Nitroso-di-n-propylamine	ug/Kg	480 U	370 U	410 U
Hexachloroethane	ug/Kg	480 U	370 U	410 U
Nitrobenzene	ug/Kg	480 U	370 U	410 U
Isophorone	ug/Kg	480 U	370 U	410 U
2-Nitrophenol	ug/Kg	480 U	370 U	410 U
2,4-Dimethylphenol	ug/Kg	480 U	370 U	410 U
bis(2-Chloroethoxy) methane	ug/Kg	480 U	370 U	410 U
2,4-Dichlorophenol	ug/Kg	480 U	370 U	410 U
1,2,4-Trichlorobenzene	ug/Kg	480 U	370 U	410 U
Naphthalene	ug/Kg	480 U	370 U	410 U
4-Chloroaniline	ug/Kg	480 U	370 U	410 U
Hexachlorobutadiene	ug/Kg	480 U	370 U	410 U
4-Chloro-3-methylphenol	ug/Kg	480 U	370 U	410 U
2-Methylnaphthalene	ug/Kg	480 U	370 U	410 U
Hexachlorocyclopentadiene	ug/Kg	480 U	370 U	410 U
2,4,6-Trichlorophenol	ug/Kg	480 U	370 U	410 U
2,4,5-Trichlorophenol	ug/Kg	1200 U	890 U	1000 U
2-Chloronaphthalene	ug/Kg	480 U	370 U	410 U
2-Nitroaniline	ug/Kg	1200 U	890 U	1000 U
Dimethylphthalate	ug/Kg	480 U	370 U	410 U
Acenaphthylene	ug/Kg	480 U	370 U	410 U
2,6-Dinitrotoluene	ug/Kg	480 U	370 U	410 U
3-Nitroaniline	ug/Kg	1200 U	890 U	1000 U
Acenaphthene	ug/Kg	480 U	370 U	410 U
2,4-Dinitrophenol	ug/Kg	1200 U	890 U	1000 U
4-Nitrophenol	ug/Kg	1200 U	890 U	1000 U
Dibenzofuran	ug/Kg	480 U	370 U	410 U
2,4-Dinitrotoluene	ug/Kg	480 U	370 U	410 U
Diethylphthalate	ug/Kg	480 U	370 U	410 U
4-Chlorophenyl-phenyl ether	ug/Kg	480 U	370 U	410 U
Fluorene	ug/Kg	480 U	370 U	410 U
4-Nitroaniline	ug/Kg	1200 U	890 U	1000 U
4,6-Dinitro-2-methylphenol	ug/Kg	1200 U	890 U	1000 U
N-Nitrosodiphenylamine	ug/Kg	480 U	370 U	410 U
4-Bromophenyl-phenyl ether	ug/Kg	480 U	370 U	410 U
Hexachlorobenzene	ug/Kg	480 U	370 U	410 U
Pentachlorophenol	ug/Kg	1200 U	890 U	1000 U
Phenanthrene	ug/Kg	480 U	370 U	410 U
Anthracene	ug/Kg	480 U	370 U	410 U
Carbazole	ug/Kg	480 U	370 U	410 U
Di-n-butylphthalate	ug/Kg	480 U	370 U	410 U
Fluoranthene	ug/Kg	46 J	370 U	410 U
Pyrene	ug/Kg	47 J	370 U	410 U
Butylbenzylphthalate	ug/Kg	480 U	370 U	410 U
3,3'-Dichlorobenzidine	ug/Kg	480 U	370 U	410 U
Benzo(a)anthracene	ug/Kg	480 U	370 U	410 U
Chrysene	ug/Kg	480 U	370 U	410 U
bis(2-Ethylhexyl)phthalate	ug/Kg	480 U	370 U	410 U
Di-n-octylphthalate	ug/Kg	480 U	370 U	410 U
Benzo(b)fluoranthene	ug/Kg	480 U	370 U	410 U
Benzo(k)fluoranthene	ug/Kg	480 U	370 U	410 U
Benzo(a)pyrene	ug/Kg	480 U	370 U	410 U
Indeno(1,2,3-cd)pyrene	ug/Kg	480 U	370 U	410 U
Dibenz(a,h)anthracene	ug/Kg	480 U	370 U	410 U
Benzo(g,h,i)perylene	ug/Kg	480 U	370 U	410 U

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

	MATRIX	SOIL	SOIL	SOIL
	LOCATION	SEAD-62	SEAD-62	SEAD-62
	DEPTH (FEET)	0-0.5	3	2
	SAMPLE DATE	06/12/94	06/12/94	06/12/94
	ES ID	TP62-1-1	TP62-2-1	TP62-3-1
	LAB ID	224086	224088	224089
	SDG NUMBER	44748	44748	44748
COMPOUND	UNITS			
PESTICIDES/PCB				
alpha-BHC	ug/Kg	2.5 UJ	1.9 UJ	2.1 UJ
beta-BHC	ug/Kg	2.5 UJ	1.9 UJ	2.1 UJ
delta-BHC	ug/Kg	2.5 UJ	1.9 UJ	2.1 UJ
gamma-BHC (Lindane)	ug/Kg	2.5 UJ	1.9 UJ	2.1 UJ
Heptachlor	ug/Kg	2.5 UJ	1.9 UJ	2.1 UJ
Aldrin	ug/Kg	2.5 UJ	1.9 UJ	2.1 UJ
Heptachlor epoxide	ug/Kg	2.5 UJ	1.9 UJ	2.1 UJ
Endosulfan I	ug/Kg	2.5 UJ	1.9 UJ	2.1 UJ
Dieldrin	ug/Kg	4.9 UJ	3.7 UJ	4.1 UJ
4,4'-DDE	ug/Kg	4.9 UJ	3.7 UJ	4.1 UJ
Endrin	ug/Kg	4.9 UJ	3.7 UJ	4.1 UJ
Endosulfan II	ug/Kg	4.9 UJ	3.7 UJ	4.1 UJ
4,4'-DDD	ug/Kg	4.9 UJ	3.7 UJ	4.1 UJ
Endosulfan sulfate	ug/Kg	4.9 UJ	3.7 UJ	4.1 UJ
4,4'-DDT	ug/Kg	4.9 UJ	3.7 UJ	4.1 UJ
Methoxychlor	ug/Kg	25 UJ	19 UJ	21 UJ
Endrin ketone	ug/Kg	4.9 UJ	3.7 UJ	4.1 UJ
Endrin aldehyde	ug/Kg	4.9 UJ	3.7 UJ	4.1 UJ
alpha-Chlordane	ug/Kg	2.5 UJ	1.9 UJ	2.1 UJ
gamma-Chlordane	ug/Kg	2.5 UJ	1.9 UJ	2.1 UJ
Toxaphene	ug/Kg	250 UJ	190 UJ	210 UJ
Aroclor-1016	ug/Kg	49 UJ	37 UJ	41 UJ
Aroclor-1221	ug/Kg	99 UJ	74 UJ	84 UJ
Aroclor-1232	ug/Kg	49 UJ	37 UJ	41 UJ
Aroclor-1242	ug/Kg	49 UJ	37 UJ	41 UJ
Aroclor-1248	ug/Kg	49 UJ	37 UJ	41 UJ
Aroclor-1254	ug/Kg	49 UJ	37 UJ	41 UJ
Aroclor-1260	ug/Kg	49 UJ	37 UJ	41 UJ
METALS				
Aluminum	mg/Kg	14800	11000	16100
Antimony	mg/Kg	0.35 UJ	0.21 J	0.2 UJ
Arsenic	mg/Kg	4.9	5.3	8.4
Barium	mg/Kg	147	85.4	202
Beryllium	mg/Kg	0.74 J	0.56 J	0.72 J
Cadmium	mg/Kg	0.43 J	0.56 J	0.68 J
Calcium	mg/Kg	10900	67900	17400
Chromium	mg/Kg	28.8 J	17.3 J	23.6 J
Cobalt	mg/Kg	9.4 J	12.6	12.6
Copper	mg/Kg	22.8	22	28.7
Iron	mg/Kg	27500	23200	30300
Lead	mg/Kg	50.7 R	10.6 R	538 R
Magnesium	mg/Kg	4530	20500	5340
Manganese	mg/Kg	323	495	778
Mercury	mg/Kg	0.1 J	0.03 J	0.11
Nickel	mg/Kg	26.2	29.6	26.5
Potassium	mg/Kg	1630 J	2210 J	2970 J
Selenium	mg/Kg	1.3 J	0.37 U	0.99
Silver	mg/Kg	0.14 U	0.07 U	0.08 U
Sodium	mg/Kg	37.8 J	88.8 J	164 J
Thallium	mg/Kg	0.52 U	0.26 U	0.29 U
Vanadium	mg/Kg	25.3	20.3	33.1
Zinc	mg/Kg	218	67.5	172
Cyanide	mg/Kg	0.68 U	0.47 U	0.62 U
OTHER ANALYSES				
Nitrate/Nitrite-Nitrogen	mg/Kg			
Total Petroleum Hydrocarbons	mg/Kg			
Total Solids	%W/W	68.5	89.5	79.6

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

	MATRIX	WATER	WATER	WATER
	LOCATION	SEAD-62	SEAD-62	SEAD-62
	SAMPLE DATE	07/21/94	07/21/94	07/20/94
	ES ID	MW62-1	MW62-2	MW62-3
	LAB ID	227728	227729	227611
	SDG NUMBER	45448	45448	45448
COMPOUND	UNITS			
VOLATILE ORGANICS				
Chloromethane	ug/L	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U
Acetone	ug/L	10 U	13 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U
Benzene	ug/L	10 U	2 J	2 J
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U
HERBICIDES				
2,4-D	ug/L	1.1 U	1.1 U	1.1 U
2,4-DB	ug/L	1.1 U	1.1 U	1.1 U
2,4,5-T	ug/L	0.11 U	0.12	0.11 U
2,4,5-TP (Silvex)	ug/L	0.11 U	0.11 U	0.11 U
Dalapon	ug/L	2.4 U	2.4 U	2.5 U
Dicamba	ug/L	0.11 U	0.11 U	0.11 U
Dichloroprop	ug/L	1.1 U	1.11 U	1.1 U
Dinoseb	ug/L	0.53 U	0.51 U	0.53 U
MCPA	ug/L	110 U	110 U	110 U
MCPP	ug/L	110 U	110 U	110 U
NITROAROMATICS				
HMX	ug/L			
RDX	ug/L			
1,3,5-Trinitrobenzene	ug/L			
1,3-Dinitrobenzene	ug/L			
Tetryl	ug/L			
2,4,6-Trinitrotoluene	ug/L			
4-amino-2,6-Dinitrotoluene	ug/L			
2-amino-4,6-Dinitrotoluene	ug/L			
2,6-Dinitrotoluene	ug/L			
2,4-Dinitrotoluene	ug/L			

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

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

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

	MATRIX	WATER	WATER	WATER
	LOCATION	SEAD-62	SEAD-62	SEAD-62
	SAMPLE DATE	07/21/94	07/21/94	07/20/94
	ES ID	MW62-1	MW62-2	MW62-3
	LAB ID	227728	227729	227611
	SDG NUMBER	45448	45448	45448
COMPOUND	UNITS			
PESTICIDES/PCB				
alpha-BHC	ug/L	0.061 U	0.052 U	0.052 U
beta-BHC	ug/L	0.061 U	0.052 U	0.052 U
delta-BHC	ug/L	0.061 U	0.052 U	0.052 U
gamma-BHC (Lindane)	ug/L	0.061 U	0.052 U	0.052 U
Heptachlor	ug/L	0.061 U	0.052 U	0.052 U
Aldrin	ug/L	0.061 U	0.052 U	0.052 U
Heptachlor epoxide	ug/L	0.061 U	0.052 U	0.052 U
Endosulfan I	ug/L	0.061 U	0.052 U	0.052 U
Dieldrin	ug/L	0.12 U	0.1 U	0.1 U
4,4'-DDE	ug/L	0.12 U	0.1 U	0.1 U
Endrin	ug/L	0.12 U	0.1 U	0.1 U
Endosulfan II	ug/L	0.12 U	0.1 U	0.1 U
4,4'-DDD	ug/L	0.12 U	0.1 U	0.1 U
Endosulfan sulfate	ug/L	0.12 U	0.1 U	0.1 U
4,4'-DDT	ug/L	0.12 U	0.1 U	0.1 U
Methoxychlor	ug/L	0.61 U	0.52 U	0.52 U
Endrin ketone	ug/L	0.12 U	0.1 U	0.1 U
Endrin aldehyde	ug/L	0.12 U	0.1 U	0.1 U
alpha-Chlordane	ug/L	0.061 U	0.052 U	0.052 U
gamma-Chlordane	ug/L	0.061 U	0.052 U	0.052 U
Toxaphene	ug/L	6.1 U	5.2 U	5.2 U
Aroclor-1016	ug/L	1.2 U	1 U	1 U
Aroclor-1221	ug/L	2.4 U	2.1 U	2.1 U
Aroclor-1232	ug/L	1.2 U	1 U	1 U
Aroclor-1242	ug/L	1.2 U	1 U	1 U
Aroclor-1248	ug/L	1.2 U	1 U	1 U
Aroclor-1254	ug/L	1.2 U	1 U	1 U
Aroclor-1260	ug/L	1.2 U	1 U	1 U
METALS				
Aluminum	ug/L	499	430	173 J
Antimony	ug/L	1.3 U	1.3 U	1.3 U
Arsenic	ug/L	2 U	2 U	2 U
Barium	ug/L	68.1 J	66 J	64.8 J
Beryllium	ug/L	0.1 U	0.1 U	0.1 U
Cadmium	ug/L	0.2 U	0.2 U	0.2 U
Calcium	ug/L	91700	85600	104000
Chromium	ug/L	1.4 J	1.2 J	0.4 U
Cobalt	ug/L	2.5 J	1.1 J	0.56 J
Copper	ug/L	0.54 J	0.5 U	0.5 U
Iron	ug/L	797 J	870 J	1160 J
Lead	ug/L	0.89 U	0.9 U	0.89 U
Magnesium	ug/L	58200	44200	33100
Manganese	ug/L	271	134	86.5
Mercury	ug/L	0.05 J	0.05 J	0.05 J
Nickel	ug/L	3.9 J	2.3 J	0.69 U
Potassium	ug/L	7470 J	6240 J	3150 J
Selenium	ug/L	2.7 U	2.7 U	2.7 U
Silver	ug/L	0.5 U	0.5 U	0.5 U
Sodium	ug/L	18100	8750	5820
Thallium	ug/L	1.9 U	2.4 J	1.9 U
Vanadium	ug/L	1.8 J	1.5 J	0.85 J
Zinc	ug/L	4.2 J	6.2 J	3 J
Cyanide	ug/L	5 UJ	5 UJ	5 UJ
OTHER ANALYSES				
Nitrate/Nitrite-Nitrogen	mg/L			
Total Petroleum Hydrocarbons	mg/L			
pH	Standard Units	7.8	7.3	7.2
Conductivity	umhos/cm	750	655	525
Temperature	°C	20.3	19.1	14
Turbidity	NTU	86	28	31

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63
	DEPTH (FEET)	3	2	6.5	3	2	1.5	3	1.5	1.5	2.5
	SAMPLE DATE	06/25/94	06/26/94	06/26/94	06/26/94	06/26/94	06/27/94	06/27/94	06/27/94	06/27/94	06/27/94
	ES ID	TP63-1	TP63-2	TP63-3	TP63-4	TP63-5	TP63-57	TP63-6	TP63-7	TP63-8	TP63-9
	LAB ID	225583	225561	225562	225563	225564	225568	225565	225566	225596	225597
	SDG NUMBER	45058	45062	45062	45062	45062	45062	45062	45062	45062	45062
COMPOUND	UNITS						TP63-7DUP				
VOLATILE ORGANICS											
Chloromethane	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Bromomethane	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Vinyl Chloride	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Chloroethane	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Methylene Chloride	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Acetone	ug/Kg	13 U	12 U	25 U	11 U	12 U	12 U	11 U	12 U	12 U	160
Carbon Disulfide	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
1,1-Dichloroethene	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
1,1-Dichloroethane	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
1,2-Dichloroethene (total)	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Chloroform	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
1,2-Dichloroethane	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
2-Butanone	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	46
1,1,1-Trichloroethane	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Carbon Tetrachloride	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Bromodichloromethane	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
1,2-Dichloropropane	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
cis-1,3-Dichloropropene	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Trichloroethene	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Dibromochloromethane	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
1,1,2-Trichloroethane	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Benzene	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	2 J	4 J
trans-1,3-Dichloropropene	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Bromoform	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
4-Methyl-2-Pentanone	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
2-Hexanone	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Tetrachloroethene	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
1,1,2,2-Tetrachloroethane	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Toluene	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	6 J	23
Chlorobenzene	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Ethylbenzene	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Styrene	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Xylene (total)	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	14	11 J
HERBICIDES											
2,4-D	ug/Kg										
2,4-DB	ug/Kg										
2,4,5-T	ug/Kg										
2,4,5-TP (Silvex)	ug/Kg										
Dalapon	ug/Kg										
Dicamba	ug/Kg										
Dichloroprop	ug/Kg										
Dinoseb	ug/Kg										
MCPA	ug/Kg										
MCPP	ug/Kg										
NITROAROMATICS											
HMX	ug/Kg										
RDX	ug/Kg										
1,3,5-Trinitrobenzene	ug/Kg										
1,3-Dinitrobenzene	ug/Kg										
Tetryl	ug/Kg										
2,4,6-Trinitrotoluene	ug/Kg										
4-amino-2,6-Dinitrotoluene	ug/Kg										
2-amino-4,6-Dinitrotoluene	ug/Kg										
2,6-Dinitrotoluene	ug/Kg										
2,4-Dinitrotoluene	ug/Kg										

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

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63
	DEPTH (FEET)	3	2	6.5	3	2	1.5	3	1.5	1.5	2.5
	SAMPLE DATE	06/25/94	06/26/94	06/26/94	06/26/94	06/26/94	06/27/94	06/27/94	06/27/94	06/27/94	06/27/94
	ES ID	TP63-1	TP63-2	TP63-3	TP63-4	TP63-5	TP63-57	TP63-6	TP63-7	TP63-8	TP63-9
	LAB ID	225583	225561	225562	225563	225564	225568	225565	225566	225596	225597
	SDG NUMBER	45058	45062	45062	45062	45062	45062	45062	45062	45062	45062
	UNITS						TP63-7DUP				
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
bis(2-Chloroethyl) ether	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2-Chlorophenol	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
1,3-Dichlorobenzene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
1,4-Dichlorobenzene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
1,2-Dichlorobenzene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2-Methylphenol	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
4-Methylphenol	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
N-Nitroso-di-n-propylamine	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Hexachloroethane	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Nitrobenzene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Isophorone	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2-Nitrophenol	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2,4-Dimethylphenol	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
bis(2-Chloroethoxy) methane	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2,4-Dichlorophenol	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
1,2,4-Trichlorobenzene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Naphthalene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
4-Chloroaniline	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Hexachlorobutadiene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
4-Chloro-3-methylphenol	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2-Methylnaphthalene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Hexachlorocyclopentadiene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2,4,6-Trichlorophenol	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2,4,5-Trichlorophenol	ug/Kg	1000 U	950 U	4400 U	2500 U	990 U	890 U	920 U	930 U	940 U	980 U
2-Chloronaphthalene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2-Nitroaniline	ug/Kg	1000 U	950 U	4400 U	2500 U	990 U	890 U	920 U	930 U	940 U	980 U
Dimethylphthalate	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Acenaphthylene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2,6-Dinitrotoluene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
3-Nitroaniline	ug/Kg	1000 U	950 U	4400 U	2500 U	990 U	890 U	920 U	930 U	940 U	980 U
Acenaphthene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2,4-Dinitrophenol	ug/Kg	1000 U	950 U	4400 U	2500 U	990 U	890 U	920 U	930 U	940 U	980 U
4-Nitrophenol	ug/Kg	1000 U	950 U	4400 U	2500 U	990 U	890 U	920 U	930 U	940 U	980 U
Dibenzofuran	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2,4-Dinitrotoluene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Diethylphthalate	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
4-Chlorophenyl-phenylether	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Fluorene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
4-Nitroaniline	ug/Kg	1000 U	950 U	4400 U	2500 U	990 U	890 U	920 U	930 U	940 U	980 U
4,6-Dinitro-2-methylphenol	ug/Kg	1000 U	950 U	4400 U	2500 U	990 U	890 U	920 U	930 U	940 U	980 U
N-Nitrosodiphenylamine	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
4-Bromophenyl-phenylether	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Hexachlorobenzene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Pentachlorophenol	ug/Kg	1000 U	950 U	4400 U	2500 U	990 U	890 U	920 U	930 U	940 U	980 U
Phenanthrene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	31 J
Anthracene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Carbazole	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Di-n-butylphthalate	ug/Kg	87 J	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Fluoranthene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	38 J	63 J
Pyrene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Butylbenzylphthalate	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
3,3'-Dichlorobenzidine	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Benzo(a)anthracene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	30 J
Chrysene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	23 J	31 J
bis(2-Ethylhexyl)phthalate	ug/Kg	420 U	290 J	230 J	590 J	1100	1800 J	200 J	80 J	71 J	41 J
Di-n-octylphthalate	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Benzo(b)fluoranthene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	21 J	38 J
Benzo(k)fluoranthene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	21 J	43 J
Benzo(a)pyrene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	24 J	45 J
Indeno(1,2,3-cd)pyrene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	37 J
Dibenz(a,h)anthracene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	28 J
Benzo(g,h,i)perylene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	31 J

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

COMPOUND	UNITS	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		LOCATION	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63
		DEPTH (FEET)	3	2	6.5	3	2	1.5	3	1.5	1.5	2.5
		SAMPLE DATE	06/25/94	06/26/94	06/26/94	06/26/94	06/26/94	06/27/94	06/27/94	06/27/94	06/27/94	06/27/94
		ES ID	TP63-1	TP63-2	TP63-3	TP63-4	TP63-5	TP63-57	TP63-6	TP63-7	TP63-8	TP63-9
		LAB ID	225583	225561	225562	225563	225564	225568	225565	225566	225596	225597
		SDG NUMBER	45058	45062	45062	45062	45062	45062 TP63-7DUP	45062	45062	45062	45062
PESTICIDES/PCB												
alpha-BHC	ug/Kg	2.2 UJ	2 UJ	2.3 UJ	1.8 UJ	2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ	2.1 UJ	
beta-BHC	ug/Kg	2.2 UJ	2 UJ	2.3 UJ	1.8 UJ	2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ	2.1 UJ	
delta-BHC	ug/Kg	2.2 UJ	2 UJ	2.3 UJ	1.8 UJ	2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ	2.1 UJ	
gamma-BHC (Lindane)	ug/Kg	2.2 UJ	2 UJ	2.3 UJ	1.8 UJ	2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ	2.1 UJ	
Heptachlor	ug/Kg	2.2 UJ	2 UJ	2.3 UJ	1.8 UJ	2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ	2.1 UJ	
Aldrin	ug/Kg	2.2 UJ	2 UJ	2.3 UJ	1.8 UJ	2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ	2.1 UJ	
Heptachlor epoxide	ug/Kg	2.2 UJ	2 UJ	2.3 UJ	1.8 UJ	2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ	2.1 UJ	
Endosulfan I	ug/Kg	2.2 UJ	2 UJ	2.3 UJ	1.8 UJ	2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ	2.1 UJ	
Dieldrin	ug/Kg	4.2 UJ	3.9 UJ	4.5 UJ	3.6 UJ	4.1 UJ	3.7 UJ	3.8 UJ	3.8 UJ	3.9 UJ	4 UJ	
4,4'-DDE	ug/Kg	4.2 UJ	3.9 UJ	4.5 UJ	4.4 J	4.1 UJ	3.7 UJ	3.8 UJ	3.8 UJ	3.9 UJ	4 UJ	
Endrin	ug/Kg	4.2 UJ	3.9 UJ	4.5 UJ	3.6 UJ	4.1 UJ	3.7 UJ	3.8 UJ	3.8 UJ	3.9 UJ	4 UJ	
Endosulfan II	ug/Kg	4.2 UJ	3.9 UJ	4.5 UJ	3.6 UJ	4.1 UJ	3.7 UJ	3.8 UJ	3.8 UJ	3.9 UJ	4 UJ	
4,4'-DDD	ug/Kg	4.2 UJ	3.9 UJ	4.5 UJ	2 J	4.1 UJ	3.7 UJ	3.8 UJ	3.8 UJ	3.9 UJ	4 UJ	
Endosulfan sulfate	ug/Kg	4.2 UJ	3.9 UJ	4.5 UJ	3.6 UJ	4.1 UJ	3.7 UJ	3.8 UJ	3.8 UJ	3.9 UJ	4 UJ	
4,4'-DDT	ug/Kg	4.2 UJ	3.9 UJ	4.5 UJ	3.3 J	4.1 UJ	3.7 UJ	3.8 UJ	3.8 UJ	3.9 UJ	4 UJ	
Methoxychlor	ug/Kg	22 UJ	20 UJ	23 UJ	18 UJ	21 UJ	19 UJ	20 UJ	20 UJ	20 UJ	21 UJ	
Endrin ketone	ug/Kg	4.2 UJ	3.9 UJ	4.5 UJ	3.6 UJ	4.1 UJ	3.7 UJ	3.8 UJ	3.8 UJ	3.9 UJ	4 UJ	
Endrin aldehyde	ug/Kg	4.2 UJ	3.9 UJ	4.5 UJ	3.6 UJ	4.1 UJ	3.7 UJ	3.8 UJ	3.8 UJ	3.9 UJ	4 UJ	
alpha-Chlordane	ug/Kg	2.2 UJ	2 UJ	2.3 UJ	1.8 UJ	2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ	2.1 UJ	
gamma-Chlordane	ug/Kg	2.2 UJ	2 UJ	2.3 UJ	1.8 UJ	2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ	2.1 UJ	
Toxaphene	ug/Kg	220 UJ	200 UJ	230 UJ	180 UJ	210 UJ	190 UJ	200 UJ	200 UJ	200 UJ	210 UJ	
Aroclor-1016	ug/Kg	42 UJ	39 UJ	45 UJ	36 UJ	41 UJ	37 UJ	38 UJ	38 UJ	39 UJ	40 UJ	
Aroclor-1221	ug/Kg	85 UJ	80 UJ	92 UJ	73 UJ	83 UJ	74 UJ	77 UJ	78 UJ	79 UJ	82 UJ	
Aroclor-1232	ug/Kg	42 UJ	39 UJ	45 UJ	36 UJ	41 UJ	37 UJ	38 UJ	38 UJ	39 UJ	40 UJ	
Aroclor-1242	ug/Kg	42 UJ	39 UJ	45 UJ	36 UJ	41 UJ	37 UJ	38 UJ	38 UJ	39 UJ	40 UJ	
Aroclor-1248	ug/Kg	42 UJ	39 UJ	45 UJ	36 UJ	41 UJ	37 UJ	38 UJ	38 UJ	39 UJ	40 UJ	
Aroclor-1254	ug/Kg	42 UJ	39 UJ	45 UJ	36 UJ	41 UJ	37 UJ	38 UJ	38 UJ	39 UJ	40 UJ	
Aroclor-1260	ug/Kg	42 UJ	39 UJ	45 UJ	36 UJ	41 UJ	37 UJ	38 UJ	38 UJ	39 UJ	40 UJ	
METALS												
Aluminum	mg/Kg	16800	14800 J	16500 J	12300 J	13800 J	15300 J	13200 J	11700 J	16500 J	13800 J	
Antimony	mg/Kg	0.25 UJ	0.26 UJ	0.32 UJ	0.18 UJ	0.27 UJ	0.19 UJ	0.22 UJ	0.23 J	0.3 UJ	0.3 UJ	
Arsenic	mg/Kg	6.1 J	5.4	4.5	4	4.4	4.9	4.5	4.2	5.2	3.6	
Barium	mg/Kg	88.9	65.3 J	115 J	63.2 J	72 J	75.4 J	75.9 J	45.8 J	59.5 J	87 J	
Beryllium	mg/Kg	0.71 J	0.74 J	0.8 J	0.53 J	0.69 J	0.67 J	0.64 J	0.54 J	0.64 J	0.66 J	
Cadmium	mg/Kg	0.47 J	0.26 J	3.6	24	0.45 J	0.52 J	0.55 J	0.56 J	0.24 J	0.35 J	
Calcium	mg/Kg	6810	3830 J	15500 J	28400 J	13300 J	40500 J	41500 J	39800 J	5440 J	7410 J	
Chromium	mg/Kg	26.8	22.9 J	31.8 J	43.5 J	23.2 J	21.6 J	22.1 J	19.1 J	21.5 J	19 J	
Cobalt	mg/Kg	14.3	11.6	13.7	13.5	12.4	12	13.7	10.7	9.7 J	10 J	
Copper	mg/Kg	32	27.1 J	33.5 J	49.6 J	33.4 J	35.1 J	37.4 J	35.3 J	20.2 J	28.3 J	
Iron	mg/Kg	34300	30100 J	31200 J	28000 J	28100 J	26500 J	28000 J	25000 J	25000 J	22700 J	
Lead	mg/Kg	27.4	18.5	24.9	38.3	22.3	15	20.7	15.6	15.5	22.3	
Magnesium	mg/Kg	6010	4530 J	6790 J	9400 J	6350 J	8310 J	9180 J	8160 J	4400 J	4450 J	
Manganese	mg/Kg	484	278 J	728 J	396 J	372 J	403 J	438 J	359 J	350 J	497 J	
Mercury	mg/Kg	0.06 J R	0.05 J	0.49	0.03 J	0.06 J	0.04 J	0.03 J	0.04 J	0.06 J	0.07 J	
Nickel	mg/Kg	41.8	31.5 J	38.7 J	44.2 J	42 J	42 J	45.7 J	39.1 J	23.9 J	26.8 J	
Potassium	mg/Kg	2160 J	1180 J	1850 J	1250 J	1490 J	2150 J	1670 J	1310 J	1530 J	1670 J	
Selenium	mg/Kg	0.89 J	1.5	1.6	0.91	1.5	0.75	0.95	0.74	1.3	1.3	
Silver	mg/Kg	0.1 U	0.1 U	0.12 U	0.07 U	0.1 U	0.07 U	0.08 U	0.07 U	0.12 U	0.12 U	
Sodium	mg/Kg	115 J	50.6 J	88.4 J	124 J	84.8 J	138 J	132 J	124 J	50.6 J	45.4 U	
Thallium	mg/Kg	0.51 J	0.38 U	0.47 U	0.45 J	0.39 U	0.3 J	0.36 J	0.29 J	0.44 U	0.44 U	
Vanadium	mg/Kg	28.2	25.2 J	27.2 J	16.8 J	21.2 J	22.4 J	19.3 J	16.8 J	27.6 J	23.1 J	
Zinc	mg/Kg	91.3 J	74.8 J	108 J	100 J	76.5 J	88.9 J	82.4 J	95.7 J	68.6 J	79 J	
Cyanide	mg/Kg	0.59 UJ	0.65 U	0.52 U	0.37 U	0.36 U	0.48 U	0.45 U	0.4 U	0.46 U	0.46 U	
OTHER ANALYSES												
Nitrate/Nitrite-Nitrogen	mg/Kg											
Total Petroleum Hydrocarbons	mg/Kg											
Total Solids	%W/W	79.4	83.7	73.4	92.4	81.2	89.5	87.4	85.8	85.2	81.9	

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

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

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

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

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

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

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

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

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

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

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

	MATRIX	WATER	WATER	WATER
	LOCATION	SEAD-63	SEAD-63	SEAD-63
	SAMPLE DATE	07/11/94	07/11/94	07/11/94
	ES ID	MW63-1	MW63-2	MW63-3
	LAB ID	226665	226666	226667
	SDG NUMBER	45282	45282	45282
COMPOUND	UNITS			
PESTICIDES/PCB				
alpha-BHC	ug/L	0.052 U	0.056 U	0.052 U
beta-BHC	ug/L	0.052 U	0.056 U	0.052 U
delta-BHC	ug/L	0.052 U	0.056 U	0.052 U
gamma-BHC (Lindane)	ug/L	0.052 U	0.056 U	0.052 U
Heptachlor	ug/L	0.052 U	0.056 U	0.052 U
Aldrin	ug/L	0.052 U	0.056 U	0.052 U
Heptachlor epoxide	ug/L	0.052 U	0.056 U	0.052 U
Endosulfan I	ug/L	0.052 U	0.056 U	0.052 U
Dieldrin	ug/L	0.1 U	0.11 U	0.1 U
4,4'-DDE	ug/L	0.1 U	0.11 U	0.1 U
Endrin	ug/L	0.1 U	0.11 U	0.1 U
Endosulfan II	ug/L	0.1 U	0.11 U	0.1 U
4,4'-DDD	ug/L	0.1 U	0.11 U	0.1 U
Endosulfan sulfate	ug/L	0.1 U	0.11 U	0.1 U
4,4'-DDT	ug/L	0.1 U	0.11 U	0.1 U
Methoxychlor	ug/L	0.52 U	0.56 U	0.52 U
Endrin ketone	ug/L	0.1 U	0.11 U	0.1 U
Endrin aldehyde	ug/L	0.1 U	0.11 U	0.1 U
alpha-Chlordane	ug/L	0.052 U	0.056 U	0.052 U
gamma-Chlordane	ug/L	0.052 U	0.056 U	0.052 U
Toxaphene	ug/L	5.2 U	5.6 U	5.2 U
Aroclor-1016	ug/L	1 U	1.1 U	1 U
Aroclor-1221	ug/L	2.1 U	2.2 U	2.1 U
Aroclor-1232	ug/L	1 U	1.1 U	1 U
Aroclor-1242	ug/L	1 U	1.1 U	1 U
Aroclor-1248	ug/L	1 U	1.1 U	1 U
Aroclor-1254	ug/L	1 U	1.1 U	1 U
Aroclor-1260	ug/L	1 U	1.1 U	1 U
METALS				
Aluminum	ug/L	747	376	743
Antimony	ug/L	1.3 U	1.3 U	1.3 U
Arsenic	ug/L	2 U	2 U	2 U
Barium	ug/L	72.6 J	71.2 J	83 J
Beryllium	ug/L	0.1 U	0.1 U	0.1 U
Cadmium	ug/L	0.2 U	0.2 U	0.2 U
Calcium	ug/L	89400	132000	295000
Chromium	ug/L	1.1 J	0.91 J	1.1 J
Cobalt	ug/L	6.2 J	2.4 J	6.2 J
Copper	ug/L	2.1 J	1.4 J	2.6 J
Iron	ug/L	1260	603	1020
Lead	ug/L	1.1 J	0.89 U	0.9 U
Magnesium	ug/L	16400	20000	54600
Manganese	ug/L	548	1070	408
Mercury	ug/L	0.04 U	0.04 U	0.04 U
Nickel	ug/L	9.7 J	4.3 J	10.6 J
Potassium	ug/L	3870 J	2360 J	5340
Selenium	ug/L	2.7 U	2.7 U	2.7 U
Silver	ug/L	0.5 U	0.5 U	0.5 U
Sodium	ug/L	5710	5860	146000
Thallium	ug/L	1.9 U	1.9 U	1.9 U
Vanadium	ug/L	1.5 J	0.81 J	1.5 J
Zinc	ug/L	7.1 J	6.2 J	11.6 J
Cyanide	ug/L	5 U	5 U	5 U
OTHER ANALYSES				
Nitrate/Nitrite-Nitrogen	mg/L			
Total Petroleum Hydrocarbons	mg/L			
pH	Standard Units	7.3	7.3	6.8
Conductivity	umhos/cm	445	650	2100
Temperature	°C	15.2	17.6	18.4
Turbidity	NTU	115	60	68

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

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

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

	MATRIX	WATER	WATER	WATER	WATER
	LOCATION	SEAD-63	SEAD-63	SEAD-63	SEAD-63
	SAMPLE DATE	06/14/94	06/12/94	06/14/94	06/13/94
	ES ID	SW63-1	SW63-2	SW63-3	SW63-4
	LAB ID	224159	224080	224160	224081
	SDG NUMBER	44745	44745	44745	44745
COMPOUND	UNITS				
SEMIVOLATILE ORGANICS					
Phenol	ug/L	10 U	0.8 J	10 U	0.8 J
bis(2-Chloroethyl) ether	ug/L	10 U	11 U	10 U	11 U
2-Chlorophenol	ug/L	10 U	11 U	10 U	11 U
1,3-Dichlorobenzene	ug/L	10 U	11 U	10 U	11 U
1,4-Dichlorobenzene	ug/L	10 U	11 U	10 U	11 U
1,2-Dichlorobenzene	ug/L	10 U	11 U	10 U	11 U
2-Methylphenol	ug/L	10 U	11 U	10 U	11 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	11 U	10 U	11 U
4-Methylphenol	ug/L	10 U	11 U	10 U	11 U
N-Nitroso-di-n-propylamine	ug/L	10 U	11 U	10 U	11 U
Hexachloroethane	ug/L	10 U	11 U	10 U	11 U
Nitrobenzene	ug/L	10 U	11 U	10 U	11 U
Isophorone	ug/L	10 U	11 U	10 U	11 U
2-Nitrophenol	ug/L	10 U	11 U	10 U	11 U
2,4-Dimethylphenol	ug/L	10 U	11 U	10 U	11 U
bis(2-Chloroethoxy) methane	ug/L	10 U	11 U	10 U	11 U
2,4-Dichlorophenol	ug/L	10 U	11 U	10 U	11 U
1,2,4-Trichlorobenzene	ug/L	10 U	11 U	10 U	11 U
Naphthalene	ug/L	10 U	11 U	10 U	11 U
4-Chloroaniline	ug/L	10 U	11 U	10 U	11 U
Hexachlorobutadiene	ug/L	10 U	11 U	10 U	11 U
4-Chloro-3-methylphenol	ug/L	10 U	11 U	10 U	11 U
2-Methylnaphthalene	ug/L	10 U	11 U	10 U	11 U
Hexachlorocyclopentadiene	ug/L	10 U	11 U	10 U	11 U
2,4,6-Trichlorophenol	ug/L	10 U	11 U	10 U	11 U
2,4,5-Trichlorophenol	ug/L	25 U	27 U	25 U	27 U
2-Chloronaphthalene	ug/L	10 U	11 U	10 U	11 U
2-Nitroaniline	ug/L	25 U	27 U	25 U	27 U
Dimethylphthalate	ug/L	10 U	11 U	10 U	11 U
Acenaphthylene	ug/L	10 U	11 U	10 U	11 U
2,6-Dinitrotoluene	ug/L	10 U	11 U	10 U	11 U
3-Nitroaniline	ug/L	25 U	27 U	25 U	27 U
Acenaphthene	ug/L	10 U	11 U	10 U	11 U
2,4-Dinitrophenol	ug/L	25 U	27 U	25 U	27 U
4-Nitrophenol	ug/L	25 U	27 U	25 U	27 U
Dibenzofuran	ug/L	10 U	11 U	10 U	11 U
2,4-Dinitrotoluene	ug/L	10 U	11 U	10 U	11 U
Diethylphthalate	ug/L	10 U	11 U	10 U	11 U
4-Chlorophenyl-phenyl ether	ug/L	10 U	11 U	10 U	11 U
Fluorene	ug/L	10 U	11 U	10 U	11 U
4-Nitroaniline	ug/L	25 U	27 U	25 U	27 U
4,6-Dinitro-2-methylphenol	ug/L	25 U	27 U	25 U	27 U
N-Nitrosodiphenylamine	ug/L	10 U	11 U	10 U	11 U
4-Bromophenyl-phenyl ether	ug/L	10 U	11 U	10 U	11 U
Hexachlorobenzene	ug/L	10 U	11 U	10 U	11 U
Pentachlorophenol	ug/L	1 J	27 U	25 U	27 U
Phenanthrene	ug/L	10 U	11 U	10 U	11 U
Anthracene	ug/L	10 U	11 U	10 U	11 U
Carbazole	ug/L	10 U	11 U	10 U	11 U
Di-n-butylphthalate	ug/L	10 U	11 U	10 U	11 U
Fluoranthene	ug/L	0.7 J	11 U	10 U	11 U
Pyrene	ug/L	0.5 J	11 U	10 U	11 U
Butylbenzylphthalate	ug/L	10 U	11 U	10 U	11 U
3,3'-Dichlorobenzidine	ug/L	10 U	11 U	10 U	11 U
Benzo(a)anthracene	ug/L	10 U	11 U	10 U	11 U
Chrysene	ug/L	10 U	11 U	10 U	11 U
bis(2-Ethylhexyl)phthalate	ug/L	1 J	11 U	68	11 U
Di-n-octylphthalate	ug/L	10 U	11 U	10 U	11 U
Benzo(b)fluoranthene	ug/L	10 U	11 U	0.9 J	11 U
Benzo(k)fluoranthene	ug/L	10 U	11 U	1 J	11 U
Benzo(a)pyrene	ug/L	10 U	11 U	1 J	11 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	11 U	0.9 J	11 U
Dibenz(a,h)anthracene	ug/L	10 U	11 U	0.8 J	11 U
Benzo(g,h,i)perylene	ug/L	10 U	11 U	0.8 J	11 U

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

	MATRIX	WATER	WATER	WATER	WATER
	LOCATION	SEAD-63	SEAD-63	SEAD-63	SEAD-63
	SAMPLE DATE	06/14/94	06/12/94	06/14/94	06/13/94
	ES ID	SW63-1	SW63-2	SW63-3	SW63-4
	LAB ID	224159	224080	224160	224081
	SDG NUMBER	44745	44745	44745	44745
COMPOUND	UNITS				
PESTICIDES/PCB					
alpha-BHC	ug/L	0.053 U	0.054 UJ	0.052 UJ	0.053 U
beta-BHC	ug/L	0.053 U	0.054 UJ	0.052 UJ	0.053 U
delta-BHC	ug/L	0.053 U	0.054 UJ	0.052 UJ	0.053 U
gamma-BHC (Lindane)	ug/L	0.053 U	0.054 UJ	0.052 UJ	0.053 U
Heptachlor	ug/L	0.053 U	0.054 UJ	0.052 UJ	0.053 U
Aldrin	ug/L	0.053 U	0.054 UJ	0.052 UJ	0.053 U
Heptachlor epoxide	ug/L	0.053 U	0.054 UJ	0.052 UJ	0.053 U
Endosulfan I	ug/L	0.053 U	0.054 UJ	0.052 UJ	0.053 U
Dieldrin	ug/L	0.11 U	0.11 UJ	0.1 UJ	0.11 U
4,4'-DDE	ug/L	0.11 U	0.11 UJ	0.1 UJ	0.11 U
Endrin	ug/L	0.11 U	0.11 UJ	0.1 UJ	0.11 U
Endosulfan II	ug/L	0.11 U	0.11 UJ	0.1 UJ	0.11 U
4,4'-DDD	ug/L	0.11 U	0.11 UJ	0.1 UJ	0.11 U
Endosulfan sulfate	ug/L	0.11 U	0.11 UJ	0.1 UJ	0.11 U
4,4'-DDT	ug/L	0.11 U	0.11 UJ	0.1 UJ	0.11 U
Methoxychlor	ug/L	0.53 U	0.54 UJ	0.52 UJ	0.53 U
Endrin ketone	ug/L	0.11 U	0.11 UJ	0.1 UJ	0.11 U
Endrin aldehyde	ug/L	0.11 U	0.11 UJ	0.1 UJ	0.11 U
alpha-Chlordane	ug/L	0.053 U	0.054 UJ	0.052 UJ	0.053 U
gamma-Chlordane	ug/L	0.053 U	0.054 UJ	0.052 UJ	0.053 U
Toxaphene	ug/L	5.3 U	5.4 UJ	5.2 UJ	5.3 U
Aroclor-1016	ug/L	1.1 U	1.1 UJ	1 UJ	1.1 U
Aroclor-1221	ug/L	2.1 U	2.2 UJ	2.1 UJ	2.1 U
Aroclor-1232	ug/L	1.1 U	1.1 UJ	1 UJ	1.1 U
Aroclor-1242	ug/L	1.1 U	1.1 UJ	1 UJ	1.1 U
Aroclor-1248	ug/L	1.1 U	1.1 UJ	1 UJ	1.1 U
Aroclor-1254	ug/L	1.1 U	1.1 UJ	1 UJ	1.1 U
Aroclor-1260	ug/L	1.1 U	1.1 UJ	1 UJ	1.1 U
METALS					
Aluminum	ug/L	111 J	3630	235	332
Antimony	ug/L	1.3 U	1.3 U	1.3 U	1.3 U
Arsenic	ug/L	2 U	3.8 J	2 U	2 U
Barium	ug/L	27.9 J	91.4 J	26.4 J	43.1 J
Beryllium	ug/L	0.1 U	0.1 U	0.1 U	0.1 U
Cadmium	ug/L	0.2 U	0.78 J	0.2 U	0.2 U
Calcium	ug/L	89100	220000	75300	122000
Chromium	ug/L	0.88 J	5.6 J	1 J	0.68 J
Cobalt	ug/L	1.2 J	7.2 J	0.5 U	0.99 J
Copper	ug/L	4.8 J	7.9 J	5.8 J	2.8 J
Iron	ug/L	148	9050	282	856
Lead	ug/L	0.9 U	20	0.9 U	0.9 U
Magnesium	ug/L	12900	33700	9640	18700
Manganese	ug/L	101	2300	7.3 J	1200
Mercury	ug/L	0.03 U	0.04 J	0.1 J	0.03 J
Nickel	ug/L	2.5 J	18.8 J	2.3 J	2 J
Potassium	ug/L	3420 J	7910	4200 J	1660 J
Selenium	ug/L	2.7 U	2.7 U	2.7 U	2.7 U
Silver	ug/L	0.89 J	0.5 U	0.53 J	0.5 U
Sodium	ug/L	59300	30700	55100	25400
Thallium	ug/L	1.9 J	1.9 U	1.9 U	1.9 U
Vanadium	ug/L	1.6 J	8.9 J	1.4 J	1.1 J
Zinc	ug/L	2.5 J	99	2.2 J	12.2 J
Cyanide	ug/L	5 U	5 U	5 U	5 U
OTHER ANALYSES					
Nitrate/Nitrite - Nitrogen	mg/L				
Total Petroleum Hydrocarbons	mg/L				
pH	Standard Units	7.2	7.4	8	7.2
Conductivity	umhos/cm	800	100	700	650
Temperature	°C	27.5	26	28	19
Turbidity	NTU	6	212	8.8	33

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63
	DEPTH (FEET)	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
	SAMPLE DATE	06/13/94	06/12/94	06/13/94	06/13/94	06/13/94
	ES ID	SD63-1	SD63-2	SD63-3	SD63-3RE	SD63-4
	LAB ID	224082	224083	224084	224084	224085
	SDG NUMBER	44748	44748	44748	44748	44748
COMPOUND	UNITS					
VOLATILE ORGANICS						
Chloromethane	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Bromomethane	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Vinyl Chloride	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Chloroethane	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Methylene Chloride	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Acetone	ug/Kg	15 U	23 UJ	12 UJ	12 UJ	150 J
Carbon Disulfide	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
1,1-Dichloroethene	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
1,1-Dichloroethane	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
1,2-Dichloroethene (total)	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Chloroform	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
1,2-Dichloroethane	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
2-Butanone	ug/Kg	15 U	8 J	12 UJ	12 UJ	35 J
1,1,1-Trichloroethane	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Carbon Tetrachloride	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Bromodichloromethane	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
1,2-Dichloropropane	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
cis-1,3-Dichloropropene	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Trichloroethene	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Dibromochloromethane	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
1,1,2-Trichloroethane	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Benzene	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
trans-1,3-Dichloropropene	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Bromoform	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
4-Methyl-2-Pentanone	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
2-Hexanone	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Tetrachloroethene	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
1,1,2,2-Tetrachloroethane	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Toluene	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	14 J
Chlorobenzene	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Ethylbenzene	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Styrene	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Xylene (total)	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
HERBICIDES						
2,4-D	ug/Kg					
2,4-DB	ug/Kg					
2,4,5-T	ug/Kg					
2,4,5-TP (Silvex)	ug/Kg					
Dalapon	ug/Kg					
Dicamba	ug/Kg					
Dichloroprop	ug/Kg					
Dinoseb	ug/Kg					
MCPA	ug/Kg					
MCPP	ug/Kg					
NITROAROMATICS						
HMX	ug/Kg					
RDX	ug/Kg					
1,3,5-Trinitrobenzene	ug/Kg					
1,3-Dinitrobenzene	ug/Kg					
Tetryl	ug/Kg					
2,4,6-Trinitrotoluene	ug/Kg					
4-amino-2,6-Dinitrotoluene	ug/Kg					
2-amino-4,6-Dinitrotoluene	ug/Kg					
2,6-Dinitrotoluene	ug/Kg					
2,4-Dinitrotoluene	ug/Kg					

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63
	DEPTH (FEET)	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
	SAMPLE DATE	06/13/94	06/12/94	06/13/94	06/13/94	06/13/94
	ES ID	SD63-1	SD63-2	SD63-3	SD63-3RE	SD63-4
	LAB ID	224082	224083	224084	224084	224085
	SDG NUMBER	44748	44748	44748	44748	44748
COMPOUND	UNITS					
SEMIVOLATILE ORGANICS						
Phenol	ug/Kg	480 U	700 UJ	390 U		720 UJ
bis(2-Chloroethyl) ether	ug/Kg	480 U	700 UJ	390 U		720 UJ
2-Chlorophenol	ug/Kg	480 U	700 UJ	390 U		720 UJ
1,3-Dichlorobenzene	ug/Kg	480 U	700 UJ	390 U		720 UJ
1,4-Dichlorobenzene	ug/Kg	480 U	700 UJ	390 U		720 UJ
1,2-Dichlorobenzene	ug/Kg	480 U	700 UJ	390 U		720 UJ
2-Methylphenol	ug/Kg	480 U	700 UJ	390 U		720 UJ
2,2'-oxybis(1-Chloropropane)	ug/Kg	480 U	700 UJ	390 U		720 UJ
4-Methylphenol	ug/Kg	480 U	700 UJ	390 U		720 UJ
N-Nitroso-di-n-propylamine	ug/Kg	480 U	700 UJ	390 U		720 UJ
Hexachloroethane	ug/Kg	480 U	700 UJ	390 U		720 UJ
Nitrobenzene	ug/Kg	480 U	700 UJ	390 U		720 UJ
Isophorone	ug/Kg	480 U	700 UJ	390 U		720 UJ
2-Nitrophenol	ug/Kg	480 U	700 UJ	390 U		720 UJ
2,4-Dimethylphenol	ug/Kg	480 U	700 UJ	390 U		720 UJ
bis(2-Chloroethoxy) methane	ug/Kg	480 U	700 UJ	390 U		720 UJ
2,4-Dichlorophenol	ug/Kg	480 U	700 UJ	390 U		720 UJ
1,2,4-Trichlorobenzene	ug/Kg	480 U	700 UJ	390 U		720 UJ
Naphthalene	ug/Kg	480 U	700 UJ	390 U		720 UJ
4-Chloroaniline	ug/Kg	480 U	700 UJ	390 U		720 UJ
Hexachlorobutadiene	ug/Kg	480 U	700 UJ	390 U		720 UJ
4-Chloro-3-methylphenol	ug/Kg	480 U	700 UJ	390 U		720 UJ
2-Methylnaphthalene	ug/Kg	480 U	700 UJ	390 U		720 UJ
Hexachlorocyclopentadiene	ug/Kg	480 U	700 UJ	390 U		720 UJ
2,4,6-Trichlorophenol	ug/Kg	480 U	700 UJ	390 U		720 UJ
2,4,5-Trichlorophenol	ug/Kg	1200 U	1700 UJ	940 U		1700 UJ
2-Chloronaphthalene	ug/Kg	480 U	700 UJ	390 U		720 UJ
2-Nitroaniline	ug/Kg	1200 U	1700 UJ	940 U		1700 UJ
Dimethylphthalate	ug/Kg	480 U	700 UJ	390 U		720 UJ
Acenaphthylene	ug/Kg	480 U	700 UJ	390 U		720 UJ
2,6-Dinitrotoluene	ug/Kg	480 U	700 UJ	390 U		720 UJ
3-Nitroaniline	ug/Kg	1200 U	1700 UJ	940 U		1700 UJ
Acenaphthene	ug/Kg	480 U	700 UJ	390 U		720 UJ
2,4-Dinitrophenol	ug/Kg	1200 U	1700 UJ	940 U		1700 UJ
4-Nitrophenol	ug/Kg	1200 U	1700 UJ	940 U		1700 UJ
Dibenzofuran	ug/Kg	480 U	700 UJ	390 U		720 UJ
2,4-Dinitrotoluene	ug/Kg	480 U	700 UJ	390 U		720 UJ
Diethylphthalate	ug/Kg	480 U	700 UJ	390 U		720 UJ
4-Chlorophenyl-phenylether	ug/Kg	480 U	700 UJ	390 U		720 UJ
Fluorene	ug/Kg	480 U	700 UJ	390 U		720 UJ
4-Nitroaniline	ug/Kg	1200 U	1700 UJ	940 U		1700 UJ
4,6-Dinitro-2-methylphenol	ug/Kg	1200 U	1700 UJ	940 U		1700 UJ
N-Nitrosodiphenylamine	ug/Kg	480 U	700 UJ	390 U		720 UJ
4-Bromophenyl-phenylether	ug/Kg	480 U	700 UJ	390 U		720 UJ
Hexachlorobenzene	ug/Kg	480 U	700 UJ	390 U		720 UJ
Pentachlorophenol	ug/Kg	1200 U	1700 UJ	940 U		1700 UJ
Phenanthrene	ug/Kg	49 J	120 J	50 J		270 J
Anthracene	ug/Kg	480 U	700 UJ	390 U		46 J
Carbazole	ug/Kg	480 U	700 UJ	390 U		34 J
Di-n-butylphthalate	ug/Kg	480 U	700 UJ	390 U		720 UJ
Fluoranthene	ug/Kg	110 J	240 J	100 J		720 J
Pyrene	ug/Kg	100 J	220 J	110 J		600 J
Butylbenzylphthalate	ug/Kg	480 U	700 UJ	390 U		720 UJ
3,3'-Dichlorobenzidine	ug/Kg	480 U	700 UJ	390 U		720 UJ
Benzo(a)anthracene	ug/Kg	69 J	140 J	70 J		350 J
Chrysene	ug/Kg	110 J	200 J	110 J		540 J
bis(2-Ethylhexyl)phthalate	ug/Kg	25 J	700 UJ	390 U		720 UJ
Di-n-octylphthalate	ug/Kg	480 U	700 UJ	19 J		720 UJ
Benzo(b)fluoranthene	ug/Kg	130 J	380 J	110 J		860 J
Benzo(k)fluoranthene	ug/Kg	69 J	180 J	66 J		470 J
Benzo(a)pyrene	ug/Kg	73 J	170 J	79 J		540 J
Indeno(1,2,3-cd)pyrene	ug/Kg	46 J	83 J	42 J		320 J
Dibenz(a,h)anthracene	ug/Kg	480 U	700 UJ	390 U		140 J
Benzo(g,h,i)perylene	ug/Kg	38 J	71 J	37 J		230 J

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63
	DEPTH (FEET)	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
	SAMPLE DATE	06/13/94	06/12/94	06/13/94	06/13/94	06/13/94
	ES ID	SD63-1	SD63-2	SD63-3	SD63-3RE	SD63-4
	LAB ID	224082	224083	224084	224084	224085
	SDG NUMBER	44748	44748	44748	44748	44748
COMPOUND	UNITS					
PESTICIDES/PCB						
alpha-BHC	ug/Kg	2.5 UJ	3.6 UJ	2 UJ		3.7 UJ
beta-BHC	ug/Kg	2.5 UJ	3.6 UJ	2 UJ		3.7 UJ
delta-BHC	ug/Kg	2.5 UJ	3.6 UJ	2 UJ		3.7 UJ
gamma-BHC (Lindane)	ug/Kg	2.5 UJ	3.6 UJ	2 UJ		3.7 UJ
Heptachlor	ug/Kg	2.5 UJ	3.6 UJ	2 UJ		3.7 UJ
Aldrin	ug/Kg	2.5 UJ	3.6 UJ	2 UJ		3.7 UJ
Heptachlor epoxide	ug/Kg	2.5 UJ	3.6 UJ	2 UJ		3.7 UJ
Endosulfan I	ug/Kg	2.5 UJ	7.5 J	4.6 J		3.7 UJ
Dieldrin	ug/Kg	4.9 UJ	7 UJ	3.9 UJ		7.2 UJ
4,4'-DDE	ug/Kg	4.9 UJ	6 J	3.9 UJ		9.2 J
Endrin	ug/Kg	4.9 UJ	7 UJ	3.9 UJ		7.2 UJ
Endosulfan II	ug/Kg	4.9 UJ	7 UJ	3.9 UJ		7.2 UJ
4,4'-DDD	ug/Kg	4.9 UJ	7 UJ	3.9 UJ		3.9 J
Endosulfan sulfate	ug/Kg	4.9 UJ	7 UJ	3.9 UJ		5.2 J
4,4'-DDT	ug/Kg	4.9 UJ	7 UJ	3.9 UJ		4.3 J
Methoxychlor	ug/Kg	25 UJ	36 UJ	20 UJ		37 UJ
Endrin ketone	ug/Kg	4.9 UJ	7 UJ	3.9 UJ		9.4 J
Endrin aldehyde	ug/Kg	4.9 UJ	7 UJ	3.9 UJ		7.2 UJ
alpha-Chlordane	ug/Kg	2.5 UJ	3.6 UJ	2 UJ		3.7 UJ
gamma-Chlordane	ug/Kg	2.5 UJ	3.6 UJ	2 UJ		3.7 UJ
Toxaphene	ug/Kg	250 UJ	360 UJ	200 UJ		370 UJ
Aroclor-1016	ug/Kg	49 UJ	70 UJ	39 UJ		72 UJ
Aroclor-1221	ug/Kg	99 UJ	140 UJ	79 UJ		150 UJ
Aroclor-1232	ug/Kg	49 UJ	70 UJ	39 UJ		72 UJ
Aroclor-1242	ug/Kg	49 UJ	70 UJ	39 UJ		72 UJ
Aroclor-1248	ug/Kg	49 UJ	70 UJ	39 UJ		72 UJ
Aroclor-1254	ug/Kg	49 UJ	70 UJ	39 UJ		72 UJ
Aroclor-1260	ug/Kg	49 UJ	70 UJ	39 UJ		72 UJ
METALS						
Aluminum	mg/Kg	7590	11700 J	11100		11000 J
Antimony	mg/Kg	0.3 UJ	0.33 UJ	0.23 UJ		0.42 UJ
Arsenic	mg/Kg	4.1	3.7 J	4.3		2.4 J
Barium	mg/Kg	36.3 J	63.5 J	37.2		90.6 J
Beryllium	mg/Kg	0.44 J	0.59 J	0.52 J		0.54 J
Cadmium	mg/Kg	0.6 J	0.83 J	0.38 J		0.68 J
Calcium	mg/Kg	101000	89800 J	31500		34100 J
Chromium	mg/Kg	13.8 J	19.1 J	20.3 J		18.2 J
Cobalt	mg/Kg	10.6 J	11.9 J	11.2		10.5 J
Copper	mg/Kg	25.2	35.6 J	32.7		30.7 J
Iron	mg/Kg	17100	19200 J	26500		16700 J
Lead	mg/Kg	33.5 R	37.4 R	27.5 R		37.2 R
Magnesium	mg/Kg	15000	13900 J	6210		8590 J
Manganese	mg/Kg	449	653 J	260		801 J
Mercury	mg/Kg	0.04 J	0.06 J	0.03 J		0.12 J
Nickel	mg/Kg	29.8	35 J	44.2		32.8 J
Potassium	mg/Kg	1370 J	2570 J	1340 J		1670 J
Selenium	mg/Kg	0.62 U	0.68 UJ	1.1		0.97 J
Silver	mg/Kg	0.11 U	0.13 UJ	0.09 U		0.16 UJ
Sodium	mg/Kg	121 J	194 J	197 J		119 J
Thallium	mg/Kg	0.44 U	0.48 UJ	0.34 U		0.62 UJ
Vanadium	mg/Kg	19.9	27.5 J	19.1		21.2 J
Zinc	mg/Kg	105	133 J	68		325 J
Cyanide	mg/Kg	0.6 U	0.97 UJ	0.53 U		0.99 UJ
OTHER ANALYSES						
Nitrate/Nitrite-Nitrogen	mg/Kg					
Total Petroleum Hydrocarbons	mg/Kg					
Total Solids	%W/W	68.1	46.7	85.1		46.2

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

	MEDIA	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	SWMU	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63
	DEPTH (FT)	3	2	6.5	3	2	3	1.5	1.5	1.5	2.5
	DATE SAMPLED	6/25/94	6/26/94	6/26/94	6/26/94	6/26/94	6/27/94	6/27/94	6/27/94	6/27/94	6/27/94
	ES ID	TP63-1	TP63-2	TP63-3	TP63-4	TP63-5	TP63-6	TP63-7	TP63-57	TP63-8	TP63-9
	LAB ID	225672	225673	225674	225675	225676	225677	225678	225680	225682	225683
	UNITS								TP63-7DUP		
Gross Alpha	pCi/g	14 ± 7	12 ± 8	12 ± 8	7 ± 7	8 ± 7	11 ± 8	9 ± 7	12 ± 8	8 ± 7	11 ± 7
Gross Beta	pCi/g	37 ± 6	27 ± 7	22 ± 6	35 ± 7	28 ± 6	32 ± 7	31 ± 7	25 ± 6	22 ± 6	23 ± 6
Gamma Spectral											
Lead-210 @ 46KeV	pCi/g	1.7 ± 0.5	1.6 ± 0.6	1.6 ± 0.4	1.7 ± 0.5	1.9 ± 0.6	1.6 ± 0.4	1.8 ± 0.6	1.5 ± 0.4	1.4 ± 0.5	1.7 ± 0.7
Thorium-234 @ 63.3 KeV	pCi/g	0.42 ± 0.29	0.83 ± 0.41	0.40 ± 0.26	0.74 ± 0.28	1.1 ± 0.4	0.43 ± 0.27	0.75 ± 0.62	0.60 ± 0.28	0.46 ± 0.28	0.91 ± 0.41
Thorium-234 @ 92.6 KeV	pCi/g	0.29 ± 0.21	0.36 ± 0.43	0.31 ± 0.21	0.45 ± 0.22	0.56 ± 0.41	0.29 ± 0.17	0.58 ± 0.43	0.23 ± 0.20	0.42 ± 0.19	0.43 ± 0.47
Radium-226 @ 186 KeV	pCi/g	1.5 ± 0.4	1.2 ± 0.4	1.1 ± 0.3	1.2 ± 0.4	1.4 ± 0.4	1.3 ± 0.4	1.3 ± 0.4	1.5 ± 0.4	1.5 ± 0.4	1.6 ± 0.4
Lead-214 @ 295.2 KeV	pCi/g	0.90 ± 0.15	0.99 ± 0.16	0.81 ± 0.14	1.0 ± 0.2	0.80 ± 0.14	0.88 ± 0.15	0.95 ± 0.16	0.90 ± 0.15	0.72 ± 0.14	0.78 ± 0.14
Lead-214 @ 352 KeV	pCi/g	0.98 ± 0.12	0.91 ± 0.12	0.93 ± 0.11	0.94 ± 0.11	0.94 ± 0.12	0.92 ± 0.11	0.80 ± 0.11	0.94 ± 0.11	0.89 ± 0.11	0.82 ± 0.11
Bismuth-214 @ 609.4 KeV	pCi/g	0.89 ± 0.12	0.81 ± 0.12	0.82 ± 0.11	0.93 ± 0.13	0.89 ± 0.13	0.85 ± 0.12	0.84 ± 0.12	0.87 ± 0.12	0.74 ± 0.11	0.80 ± 0.12
Bismuth-214 @ 1120.4 KeV	pCi/g	1.0 ± 0.3	0.97 ± 0.30	1.0 ± 0.3	0.31 ± 0.65	0.68 ± 0.28	0.91 ± 0.27	0.70 ± 0.29	1.0 ± 0.3	0.88 ± 0.26	0.36 ± 0.26
Bismuth-214 @ 1764.7 KeV	pCi/g	0.85 ± 0.25	0.80 ± 0.26	0.63 ± 0.22	0.96 ± 0.26	0.85 ± 0.27	0.94 ± 0.26	0.91 ± 0.27	0.86 ± 0.25	0.80 ± 0.24	0.51 ± 0.23
Actinium-228 @ 338 KeV	pCi/g	1.0 ± 0.4	0.82 ± 0.36	0.83 ± 0.35	0.98 ± 0.40	1.1 ± 0.4	0.89 ± 0.37	1.2 ± 0.5	0.89 ± 0.37	0.88 ± 0.37	0.95 ± 0.40
Actinium-228 @ 911 KeV	pCi/g	0.91 ± 0.25	1.0 ± 0.3	1.0 ± 0.3	1.1 ± 0.3	1.2 ± 0.3	0.85 ± 0.23	1.0 ± 0.3	0.94 ± 0.25	0.92 ± 0.24	0.89 ± 0.25
Actinium-228 @ 968 KeV	pCi/g	1.3 ± 0.3	1.3 ± 0.4	0.86 ± 0.30	0.94 ± 0.29	1.0 ± 0.4	1.1 ± 0.3	1.0 ± 0.4	1.1 ± 0.3	0.76 ± 0.26	0.80 ± 0.35
Lead-212 @ 238 KeV	pCi/g	0.98 ± 0.19	0.89 ± 0.19	0.78 ± 0.17	0.99 ± 0.20	0.83 ± 0.20	0.87 ± 0.18	0.91 ± 0.17	1.0 ± 0.2	0.81 ± 0.16	0.68 ± 0.15
Bismuth-212 @ 727 KeV	pCi/g	1.2 ± 0.4	0.91 ± 0.39	1.2 ± 0.4	1.3 ± 0.4	0.98 ± 0.41	1.4 ± 0.4	1.8 ± 0.5	1.2 ± 0.4	1.1 ± 0.4	0.93 ± 0.40
Thallium-208 @ 583 KeV	pCi/g	0.32 ± 0.05	0.33 ± 0.06	0.29 ± 0.05	0.33 ± 0.05	0.36 ± 0.06	0.32 ± 0.05	0.37 ± 0.06	0.32 ± 0.05	0.30 ± 0.05	0.29 ± 0.06
Thallium-208 @ 860 KeV	pCi/g	0.43 ± 0.22	0.82 ± 0.69	0.55 ± 0.23	0.53 ± 0.24	0.78 ± 0.73	0.52 ± 0.23	0.51 ± 0.73	0.64 ± 0.24	0.30 ± 0.20	0.36 ± 0.22
Uranium-235 @ 143.8 KeV	pCi/g	−0.09 ± 0.23	0.03 ± 0.06	0.09 ± 0.21	0.00 ± 0.23	0.10 ± 0.06	0.09 ± 0.06	0.09 ± 0.15	0.15 ± 0.22	0.26 ± 0.22	0.05 ± 0.06
Cesium-137 @ 661 KeV	pCi/g	−0.03 ± 0.11	−0.03 ± 0.08	0.10 ± 0.03	0.26 ± 0.04	0.12 ± 0.04	0.07 ± 0.03	−0.09 ± 0.09	−0.03 ± 0.11	0.05 ± 0.03	0.08 ± 0.08
Potassium-40 @ 1460 KeV	pCi/g	23 ± 2	20 ± 2	19 ± 2	25 ± 2	23 ± 2	25 ± 2	24 ± 2	23 ± 2	20 ± 2	19 ± 2

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

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

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

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

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

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

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

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

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	0-0.2	2-4	6-8	0-0.2	2-4	4-7	0-0.2	0-2	2-3	0-0.2
	SAMPLE DATE	05/27/94	05/27/94	05/27/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	04/02/94
	ES ID	SB64A-1-00	SB64A-1-02	SB64A-1-04	SB64A-2-00	SB64A-2-02	SB64A-2-03	SB64A-3-00	SB64A-3-01	SB64A-3-02	MW64A-1.00
	LAB ID	222484	222485	222502	223894	223895	223896	223897	223906	223907	216351
	SDG NUMBER	44410	44410	44410	44725	44725	44725	44725	44748	44748	43257
COMPOUND	UNITS										
VOLATILE ORGANICS											
Chloromethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Bromomethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Vinyl Chloride	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Chloroethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Methylene Chloride	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Acetone	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Carbon Disulfide	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
1,1-Dichloroethene	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
1,1-Dichloroethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
1,2-Dichloroethene (total)	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Chloroform	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
1,2-Dichloroethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
2-Butanone	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
1,1,1-Trichloroethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Carbon Tetrachloride	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Bromodichloromethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
1,2-Dichloropropane	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
cis-1,3-Dichloropropene	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Trichloroethene	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	1 J	11 U	12 U	13 U
Dibromochloromethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
1,1,2-Trichloroethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Benzene	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	2 J	12 U	13 U
trans-1,3-Dichloropropene	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Bromoform	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
4-Methyl-2-Pentanone	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
2-Hexanone	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Tetrachloroethene	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Toluene	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	2 J	12 U	13 U
Chlorobenzene	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Ethylbenzene	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Styrene	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Xylene (total)	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
HERBICIDES											
2,4-D	ug/Kg										
2,4-DB	ug/Kg										
2,4,5-T	ug/Kg										
2,4,5-TP (Silvex)	ug/Kg										
Dalapon	ug/Kg										
Dicamba	ug/Kg										
Dichloroprop	ug/Kg										
Dinoseb	ug/Kg										
MCPA	ug/Kg										
MCPP	ug/Kg										
NITROAROMATICS											
HMX	ug/Kg										
RDX	ug/Kg										
1,3,5-Trinitrobenzene	ug/Kg										
1,3-Dinitrobenzene	ug/Kg										
Tetryl	ug/Kg										
2,4,6-Trinitrotoluene	ug/Kg										
4-amino-2,6-Dinitrotoluene	ug/Kg										
2-amino-4,6-Dinitrotoluene	ug/Kg										
2,6-Dinitrotoluene	ug/Kg										
2,4-Dinitrotoluene	ug/Kg										

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	0-0.2	2-4	6-8	0-0.2	2-4	4-7	0-0.2	0-2	2-3	0-0.2
	SAMPLE DATE	05/27/94	05/27/94	05/27/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	04/02/94
	ES ID	SB64A-1-00	SB64A-1-02	SB64A-1-04	SB64A-2-00	SB64A-2-02	SB64A-2-03	SB64A-3-00	SB64A-3-01	SB64A-3-02	MW64A-1.00
	LAB ID	222484	222485	222502	223894	223895	223896	223897	223906	223907	216351
	SDG NUMBER	44410	44410	44410	44725	44725	44725	44725	44748	44748	43257
COMPOUND	UNITS										
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	44 J	370 U	370 U	450 U
bis(2-Chloroethyl) ether	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
2-Chlorophenol	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
1,3-Dichlorobenzene	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
1,4-Dichlorobenzene	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
1,2-Dichlorobenzene	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
2-Methylphenol	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
4-Methylphenol	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
N-Nitroso-di-n-propylamine	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Hexachloroethane	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Nitrobenzene	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Isophorone	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
2-Nitrophenol	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
2,4-Dimethylphenol	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
bis(2-Chloroethoxy) methane	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
2,4-Dichlorophenol	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
1,2,4-Trichlorobenzene	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Naphthalene	ug/Kg	1000 U	400 U	360 U	340 J	3800	370 U	51 J	370 U	370 U	450 U
4-Chloroaniline	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Hexachlorobutadiene	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
4-Chloro-3-methylphenol	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
2-Methylnaphthalene	ug/Kg	54 J	400 U	360 U	150 J	2900 J	370 U	52 J	370 U	370 U	450 U
Hexachlorocyclopentadiene	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
2,4,6-Trichlorophenol	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
2,4,5-Trichlorophenol	ug/Kg	2500 U	980 U	870 U	5700 U	9000 U	900 U	950 U	910 U	910 U	1100 U
2-Chloronaphthalene	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
2-Nitroaniline	ug/Kg	2500 U	980 U	870 U	5700 U	9000 U	900 U	950 U	910 U	910 U	1100 U
Dimethylphthalate	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Acenaphthylene	ug/Kg	250 J	400 U	360 U	400 J	310 J	370 U	170 J	370 U	370 U	450 U
2,6-Dinitrotoluene	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
3-Nitroaniline	ug/Kg	2500 U	980 U	870 U	5700 U	9000 U	900 U	950 U	910 U	910 U	1100 U
Acenaphthene	ug/Kg	140 J	400 U	360 U	250 J	1300 J	370 U	50 J	370 U	370 U	450 U
2,4-Dinitrophenol	ug/Kg	2500 U	980 U	870 U	5700 U	9000 U	900 U	950 U	910 U	910 U	1100 U
4-Nitrophenol	ug/Kg	2500 U	980 U	870 U	5700 U	9000 U	900 U	950 U	910 U	910 U	1100 U
Dibenzofuran	ug/Kg	90 J	400 U	360 U	120 J	1400 J	370 U	390 U	370 U	370 U	450 U
2,4-Dinitrotoluene	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Diethylphthalate	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
4-Chlorophenyl-phenylether	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Fluorene	ug/Kg	260 J	36 J	360 U	350 J	4100	370 U	120 J	370 U	370 U	450 U
4-Nitroaniline	ug/Kg	2500 U	980 U	870 U	5700 U	9000 U	900 U	950 U	910 U	910 U	1100 U
4,6-Dinitro-2-methylphenol	ug/Kg	2500 U	980 U	870 U	5700 U	9000 U	900 U	950 U	910 U	910 U	1100 U
N-Nitrosodiphenylamine	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
4-Bromophenyl-phenylether	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Hexachlorobenzene	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Pentachlorophenol	ug/Kg	2500 U	980 U	870 U	5700 U	9000 U	900 U	950 U	910 U	910 U	1100 U
Phenanthrene	ug/Kg	2300	290 J	360 U	2700	15000	23 J	680	370 U	370 U	450 U
Anthracene	ug/Kg	540 J	58 J	360 U	1100 J	1900 J	370 U	230 J	370 U	370 U	450 U
Carbazole	ug/Kg	720 J	39 J	360 U	420 J	780 J	370 U	110 J	370 U	370 U	450 U
Di-n-butylphthalate	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	290 J
Fluoranthene	ug/Kg	5700	470	360 U	6900	11000	26 J	1500	370 U	370 U	450 U
Pyrene	ug/Kg	4400	340 J	360 U	5400	8700	50 J	1200	370 U	370 U	450 U
Butylbenzylphthalate	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
3,3'-Dichlorobenzidine	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Benzo(a)anthracene	ug/Kg	3600	180 J	360 U	5600	4000	370 U	1200	370 U	370 U	450 U
Chrysene	ug/Kg	3400	180 J	360 U	4800	4500	22 J	970	370 U	370 U	450 U
bis(2-Ethylhexyl)phthalate	ug/Kg	1000 U	41 J	40 J	13000	3700 U	52 J	140 J	21 J	370 U	750
Di-n-octylphthalate	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Benzo(b)fluoranthene	ug/Kg	6600 J	320 J	360 U	9600 J	3700 UJ	370 UJ	1500	29 J	370 U	450 U
Benzo(k)fluoranthene	ug/Kg	1000 UJ	400 UJ	360 U	2300 UJ	5900 J	37 J	550	25 J	370 U	450 U
Benzo(a)pyrene	ug/Kg	3000	180 J	360 U	5400	3100 J	21 J	1200	35 J	370 U	450 U
Indeno(1,2,3-cd)pyrene	ug/Kg	1900	92 J	360 U	3500	1500 J	370 U	930	27 J	370 U	450 U
Dibenz(a,h)anthracene	ug/Kg	1200	70 J	360 U	1500 J	820 J	370 U	390 J	19 J	370 U	450 U
Benzo(g,h,i)perylene	ug/Kg	1100	140 J	24 J	4000	1500 J	370 U	1000	27 J	370 U	450 U

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	0-0.2	2-4	6-8	0-0.2	2-4	4-7	0-0.2	0-2	2-3	0-0.2
	SAMPLE DATE	05/27/94	05/27/94	05/27/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	04/02/94
	ES ID	SB64A-1-00	SB64A-1-02	SB64A-1-04	SB64A-2-00	SB64A-2-02	SB64A-2-03	SB64A-3-00	SB64A-3-01	SB64A-3-02	MW64A-1.00
	LAB ID	222484	222485	222502	223894	223895	223896	223897	223906	223907	216351
	SDG NUMBER	44410	44410	44410	44725	44725	44725	44725	44748	44748	43257
COMPOUND	UNITS										
PESTICIDES/PCB											
alpha-BHC	ug/Kg	4.1 UJ	2.1 UJ	1.8 UJ	3.6 U	1.9 U	1.9 U	2 U	1.9 U	1.9 UJ	2.3 U
beta-BHC	ug/Kg	4.1 UJ	2.1 UJ	1.8 UJ	3.6 U	1.9 U	1.9 U	2 U	1.9 U	1.9 UJ	2.3 U
delta-BHC	ug/Kg	4.1 UJ	2.1 UJ	1.8 UJ	3.6 U	1.9 U	1.9 U	2 U	1.9 U	1.9 UJ	2.3 U
gamma-BHC (Lindane)	ug/Kg	4.1 UJ	2.1 UJ	1.8 UJ	3.6 U	1.9 U	1.9 U	2 U	1.9 U	1.9 UJ	2.3 U
Heptachlor	ug/Kg	4.1 UJ	2.1 UJ	1.8 UJ	3.6 U	1.9 U	1.9 U	2 U	1.9 U	1.9 UJ	2.3 U
Aldrin	ug/Kg	4.1 UJ	2.1 UJ	1.8 UJ	3.6 U	1.9 U	1.9 U	2 U	1.9 U	1.9 UJ	2.3 U
Heptachlor epoxide	ug/Kg	4.1 UJ	2.1 UJ	1.8 UJ	3.6 U	1.9 U	1.9 U	1.9 J	1.9 U	1.9 UJ	2.3 U
Endosulfan I	ug/Kg	22 J	5.1 J	1.8 UJ	33 J	7.8 J	1.9 U	23 J	1.9 U	1.9 UJ	2.3 U
Dieldrin	ug/Kg	5.9 J	4 UJ	3.6 UJ	7.5 J	3.7 U	3.7 U	3.9 U	3.7 U	3.7 UJ	4.5 U
4,4'-DDE	ug/Kg	4.5 J	4 UJ	3.6 UJ	9 J	3.7 U	3.7 U	3 J	3.7 U	3.7 UJ	4.5 U
Endrin	ug/Kg	8 UJ	4 UJ	3.6 UJ	7 U	3.7 U	3.7 U	3.9 U	3.7 U	3.7 UJ	4.5 U
Endosulfan II	ug/Kg	8 UJ	4 UJ	3.6 UJ	7 U	3.7 U	3.7 U	3.9 U	3.7 U	3.7 UJ	4.5 U
4,4'-DDD	ug/Kg	8 UJ	4 UJ	3.6 UJ	3.7 J	3.7 U	3.7 U	3.9 U	3.7 U	3.7 UJ	4.5 U
Endosulfan sulfate	ug/Kg	8 UJ	4 UJ	3.6 UJ	5 J	3.7 U	3.7 U	3.7 J	3.7 U	3.7 UJ	4.5 U
4,4'-DDT	ug/Kg	4.6 J	4 UJ	3.6 UJ	24 J	4.4 J	3.7 U	5	3.7 U	3.7 UJ	4.5 U
Methoxychlor	ug/Kg	41 UJ	21 UJ	18 UJ	36 U	19 U	19 U	20 U	19 U	19 UJ	23 U
Endrin ketone	ug/Kg	8 UJ	4 UJ	3.6 UJ	7 U	3.7 U	3.7 U	3.9 U	3.7 U	3.7 UJ	4.5 U
Endrin aldehyde	ug/Kg	8 UJ	4 UJ	3.6 UJ	7 U	3.7 U	3.7 U	3.9 U	3.7 U	3.7 UJ	4.5 U
alpha-Chlordane	ug/Kg	4.2 J	2.1 UJ	1.8 UJ	6.3 J	1.9 U	1.9 U	2.9 J	1.9 U	1.9 UJ	2.3 U
gamma-Chlordane	ug/Kg	4.1 UJ	2.1 UJ	1.8 UJ	3.6 U	1.9 U	1.9 U	2 U	1.9 U	1.9 UJ	2.3 U
Toxaphene	ug/Kg	410 UJ	210 UJ	180 UJ	360 U	190 U	190 U	200 U	190 U	190 UJ	230 U
Aroclor-1016	ug/Kg	80 UJ	40 UJ	36 UJ	70 U	37 U	37 U	39 U	37 U	37 UJ	45 U
Aroclor-1221	ug/Kg	160 UJ	82 UJ	73 UJ	140 U	75 U	75 U	80 U	76 U	76 UJ	91 U
Aroclor-1232	ug/Kg	80 UJ	40 UJ	36 UJ	70 U	37 U	37 U	39 U	37 U	37 UJ	45 U
Aroclor-1242	ug/Kg	80 UJ	40 UJ	36 UJ	70 U	37 U	37 U	39 U	37 U	37 UJ	45 U
Aroclor-1248	ug/Kg	80 UJ	40 UJ	36 UJ	70 U	37 U	37 U	39 U	37 U	37 UJ	45 U
Aroclor-1254	ug/Kg	80 UJ	40 UJ	36 UJ	70 U	37 U	37 U	39 U	37 U	37 UJ	45 U
Aroclor-1260	ug/Kg	80 UJ	40 UJ	36 UJ	70 U	37 U	37 U	39 U	37 U	37 UJ	45 U
METALS											
Aluminum	mg/Kg	11800	17100	12800	11800	18400	12400	16500	14500	15000	16100
Antimony	mg/Kg	0.36 J	0.26 UJ	0.26 UJ	4.3 J	0.2 UJ	0.19 UJ	0.24 UJ	0.25 UJ	0.21 UJ	0.23 J
Arsenic	mg/Kg	4.7	6	8.4	5.8	7.1	4.8	5.7	6.1	5.9	7.1
Barium	mg/Kg	59.3	133	53.7	96.3	90.9	68.7	109	103	86.1	83.7
Beryllium	mg/Kg	0.54 J	0.8 J	0.55 J	0.55 J	0.78 J	0.54 J	0.74 J	0.72 J	0.65 J	0.68 J
Cadmium	mg/Kg	0.45 J	0.48 J	0.33 J	1	0.72 J	0.7 J	0.83 J	0.4 J	0.32 J	0.11 J
Calcium	mg/Kg	36300	4450	4580	62800	4040	64900	27600	3560	3130	7210
Chromium	mg/Kg	19.7	23.9	21.4	35.5	27	17.5	23.7	20.8 J	22.1 J	23
Cobalt	mg/Kg	10.6	10.3	14	10.3	9.5	8.9	9.1 J	11.3	11	11.8
Copper	mg/Kg	23.3	20.1	24.6	56.3	23.5	24.3	21	23.4	25.8	25.5
Iron	mg/Kg	25500	28600	35900	23000	30000	21200	24600	26700	26800	28500
Lead	mg/Kg	18.5	14.5	11.1	391	10.1	10.7	24.4	13.6 R	10.8 R	21.6
Magnesium	mg/Kg	6940	4510	5420	8000	5610	11900	5870	4410	5190	5480
Manganese	mg/Kg	528	968	619	517	310	405	664	753	556	558
Mercury	mg/Kg	0.04 J	0.06 J	0.03 J	0.1	0.09 J	0.02 J	0.05 J	0.05 J	0.04 J	0.05 J
Nickel	mg/Kg	33.3	29.2	36.1	31.1	31.5	26.5	26.5	29	33.9	32.2
Potassium	mg/Kg	1530 J	2070 J	1150 J	2060 J	2820 J	2170 J	2430 J	1630 J	2210 J	2590 J
Selenium	mg/Kg	0.98	0.94 J	0.82 J	0.49 J	0.72 J	0.39 U	0.73 J	0.91 J	0.83	0.96
Silver	mg/Kg	0.07 UJ	0.1 UJ	0.1 UJ	0.09 U	0.08 U	0.07 U	0.09 U	0.1 U	0.08 U	0.12 U
Sodium	mg/Kg	50.9 J	22.1 J	39.2 J	78.4 J	39.4 J	85.5 J	42.8 J	21.9 J	16.4 U	27.5 U
Thallium	mg/Kg	0.26 U	0.38 U	0.39 U	0.33 U	0.3 U	0.27 U	0.35 U	0.37 U	0.31 U	0.42 J
Vanadium	mg/Kg	20	29.3	19.1	25.4	31.1	20.8	33.5	25.6	25	27.6
Zinc	mg/Kg	83	87	106	167	76.7	61.2	92.7	77.4	82.8	104
Cyanide	mg/Kg	0.58 U	0.56 U	0.52 U	0.47 U	0.5 U	0.47 U	0.5 U	0.56 U	0.54 U	0.66 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	81.5	81.9	92.1	94.4	89	89.4	83.5	87.7	88	74.3

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	2-4	4-6	0-0.2	8-10	10-12	0-0.2	10-12	12-14	0-0.2	8-10
	SAMPLE DATE	04/02/94	04/02/94	06/08/94	06/08/94	06/08/94	06/08/94	06/08/94	06/08/94	06/08/94	06/08/94
	ES ID	MW64A-1.02	MW64A-1.03	SB64B-1.00	SB64B-1.05	SB64B-1.06	SB64B-2.00	SB64B-2.06	SB64B-2.07	SB64B-3.00	SB64B-3.05
	LAB ID	216352	216353	223502	223503	223504	223505	223506	223507	223508	223509
	SDG NUMBER	43257	43257	44665	44665	44665	44665	44665	44665	44665	44694
COMPOUND	UNITS										
VOLATILE ORGANICS											
Chloromethane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Bromomethane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Vinyl Chloride	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Chloroethane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Methylene Chloride	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	1 J	11 U	12 U	11 U
Acetone	ug/Kg	12 U	12 U	13 U	11 U	7 J	12 U	11 U	11 U	12 U	11 U
Carbon Disulfide	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	1 J	12 U	11 U
1,1-Dichloroethene	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
1,1-Dichloroethane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
1,2-Dichloroethene (total)	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Chloroform	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
1,2-Dichloroethane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
2-Butanone	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
1,1,1-Trichloroethane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Carbon Tetrachloride	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Bromodichloromethane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
1,2-Dichloropropane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
cis-1,3-Dichloropropene	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Trichloroethene	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Dibromochloromethane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
1,1,2-Trichloroethane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Benzene	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
trans-1,3-Dichloropropene	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Bromoform	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
4-Methyl-2-Pentanone	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
2-Hexanone	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Tetrachloroethene	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Toluene	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Chlorobenzene	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Ethylbenzene	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Styrene	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Xylene (total)	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
HERBICIDES											
2,4-D	ug/Kg										
2,4-DB	ug/Kg										
2,4,5-T	ug/Kg										
2,4,5-TP (Silvex)	ug/Kg										
Dalapon	ug/Kg										
Dicamba	ug/Kg										
Dichloroprop	ug/Kg										
Dinoseb	ug/Kg										
MCPA	ug/Kg										
MCPP	ug/Kg										
NITROAROMATICS											
HMX	ug/Kg										
RDX	ug/Kg										
1,3,5-Trinitrobenzene	ug/Kg										
1,3-Dinitrobenzene	ug/Kg										
Tetryl	ug/Kg										
2,4,6-Trinitrotoluene	ug/Kg										
4-amino-2,6-Dinitrotoluene	ug/Kg										
2-amino-4,6-Dinitrotoluene	ug/Kg										
2,6-Dinitrotoluene	ug/Kg										
2,4-Dinitrotoluene	ug/Kg										

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

COMPOUND	UNITS	SOIL SEAD-64 2-4 04/02/94 MW64A-1.02 216352 43257	SOIL SEAD-64 4-6 04/02/94 MW64A-1.03 216353 43257	SOIL SEAD-64 0-0.2 06/08/94 SB64B-1.00 223502 44665	SOIL SEAD-64 8-10 06/08/94 SB64B-1.05 223503 44665	SOIL SEAD-64 10-12 06/08/94 SB64B-1.06 223504 44665	SOIL SEAD-64 0-0.2 06/08/94 SB64B-2.00 223505 44665	SOIL SEAD-64 10-12 06/08/94 SB64B-2.06 223506 44665	SOIL SEAD-64 12-14 06/08/94 SB64B-2.07 223507 44665	SOIL SEAD-64 0-0.2 06/08/94 SB64B-3.00 223508 44665	SOIL SEAD-64 8-10 06/08/94 SB64B-3.05 223509 44694
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
bis(2-Chloroethyl) ether	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
2-Chlorophenol	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
1,3-Dichlorobenzene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
1,4-Dichlorobenzene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
1,2-Dichlorobenzene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
2-Methylphenol	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
4-Methylphenol	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
N-Nitroso-di-n-propylamine	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Hexachloroethane	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Nitrobenzene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Isophorone	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
2-Nitrophenol	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
2,4-Dimethylphenol	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
bis(2-Chloroethoxy) methane	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
2,4-Dichlorophenol	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
1,2,4-Trichlorobenzene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Naphthalene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
4-Chloroaniline	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Hexachlorobutadiene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
4-Chloro-3-methylphenol	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
2-Methylnaphthalene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Hexachlorocyclopentadiene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
2,4,6-Trichlorophenol	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
2,4,5-Trichlorophenol	ug/Kg	940 U	890 U	960 U	890 U	860 U	960 U	890 U	860 U	960 U	910 U
2-Chloronaphthalene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
2-Nitroaniline	ug/Kg	940 U	890 U	960 U	890 U	860 U	960 U	890 U	860 U	960 U	910 U
Dimethylphthalate	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Acenaphthylene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
2,6-Dinitrotoluene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
3-Nitroaniline	ug/Kg	940 U	890 U	960 U	890 U	860 U	960 U	890 U	860 U	960 U	910 U
Acenaphthene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
2,4-Dinitrophenol	ug/Kg	940 U	890 U	960 U	890 U	860 U	960 U	890 U	860 U	960 U	910 U
4-Nitrophenol	ug/Kg	940 U	890 U	960 U	890 U	860 U	960 U	890 U	860 U	960 U	910 U
Dibenzofuran	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
2,4-Dinitrotoluene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Diethylphthalate	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
4-Chlorophenyl-phenylether	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Fluorene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
4-Nitroaniline	ug/Kg	940 U	890 U	960 U	890 U	860 U	960 U	890 U	860 U	960 U	910 U
4,6-Dinitro-2-methylphenol	ug/Kg	940 U	890 U	960 U	890 U	860 U	960 U	890 U	860 U	960 U	910 U
N-Nitrosodiphenylamine	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
4-Bromophenyl-phenylether	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Hexachlorobenzene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Pentachlorophenol	ug/Kg	940 U	890 U	960 U	890 U	860 U	960 U	890 U	860 U	960 U	910 U
Phenanthrene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Anthracene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Carbazole	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Di-n-butylphthalate	ug/Kg	390 U	370 U	85 J	38 J	31 J	120 J	42 J	30 J	41 J	380 U
Fluoranthene	ug/Kg	390 U	370 U	26 J	370 U	350 U	35 J	370 U	350 U	25 J	380 U
Pyrene	ug/Kg	390 U	370 U	400 U	370 U	350 U	23 J	370 U	350 U	400 U	380 U
Butylbenzylphthalate	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
3,3'-Dichlorobenzidine	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Benzo(a)anthracene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Chrysene	ug/Kg	390 U	370 U	400 U	370 U	350 U	23 J	370 U	350 U	400 U	380 U
bis(2-Ethylhexyl)phthalate	ug/Kg	280 J	320 J	400 U	110 J	350 U	96 J	390	350 U	25 J	53 J
Di-n-octylphthalate	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Benzo(b)fluoranthene	ug/Kg	390 U	370 U	400 U	370 U	350 U	24 J	370 U	350 U	400 U	380 U
Benzo(k)fluoranthene	ug/Kg	390 U	370 U	400 U	370 U	350 U	23 J	370 U	350 U	400 U	380 U
Benzo(a)pyrene	ug/Kg	390 U	370 U	400 U	370 U	350 U	22 J	370 U	350 U	400 U	380 U
Indeno(1,2,3-cd)pyrene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Dibenz(a,h)anthracene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Benzo(g,h,i)perylene	ug/Kg	390 U	370 U	400 U	370 U	350 U	20 J	370 U	350 U	400 U	380 U

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	2-4	4-6	0-0.2	8-10	10-12	0-0.2	10-12	12-14	0-0.2	8-10
	SAMPLE DATE	04/02/94	04/02/94	06/08/94	06/08/94	06/08/94	06/08/94	06/08/94	06/08/94	06/08/94	06/08/94
	ES ID	MW64A-1.02	MW64A-1.03	SB64B-1.00	SB64B-1.05	SB64B-1.06	SB64B-2.00	SB64B-2.06	SB64B-2.07	SB64B-3.00	SB64B-3.05
	LAB ID	216352	216353	223502	223503	223504	223505	223506	223507	223508	223509
	SDG NUMBER	43257	43257	44665	44665	44665	44665	44665	44665	44665	44694
COMPOUND	UNITS										
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2 U	1.9 U	2 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	2 U	1.9 U
beta-BHC	ug/Kg	2 U	1.9 U	2 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	2 U	1.9 U
delta-BHC	ug/Kg	2 U	1.9 U	2 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	2 U	1.9 U
gamma-BHC (Lindane)	ug/Kg	2 U	1.9 U	2 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	2 U	1.9 U
Heptachlor	ug/Kg	2 U	1.9 U	2 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	2 U	1.9 U
Aldrin	ug/Kg	2 U	1.9 U	2 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	2 U	1.9 U
Heptachlor epoxide	ug/Kg	2 U	1.9 U	2 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	2 U	1.9 U
Endosulfan I	ug/Kg	2 U	1.9 U	2 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	2 U	1.9 U
Dieldrin	ug/Kg	3.9 U	3.7 U	3.9 U	3.7 U	3.5 U	4 U	3.7 U	3.5 U	4 U	3.7 U
4,4'-DDE	ug/Kg	3.9 U	3.7 U	2.6 J	3.7 U	3.5 U	4 U	3.7 U	3.5 U	4 U	3.7 U
Endrin	ug/Kg	3.9 U	3.7 U	3.9 U	3.7 U	3.5 U	4 U	3.7 U	3.5 U	4 U	3.7 U
Endosulfan II	ug/Kg	3.9 U	3.7 U	3.9 U	3.7 U	3.5 U	4 U	3.7 U	3.5 U	4 U	3.7 U
4,4'-DDD	ug/Kg	3.9 U	3.7 U	3.9 U	3.7 U	3.5 U	4 U	3.7 U	3.5 U	4 U	3.7 U
Endosulfan sulfate	ug/Kg	3.9 U	3.7 U	3.9 U	3.7 U	3.5 U	4 U	3.7 U	3.5 U	4 U	3.7 U
4,4'-DDT	ug/Kg	3.9 U	3.7 U	2.6 J	3.7 U	3.5 U	4 U	3.7 U	3.5 U	4 U	3.7 U
Methoxychlor	ug/Kg	20 U	19 U	20 U	19 U	18 U	20 U	19 U	18 U	20 U	19 U
Endrin ketone	ug/Kg	3.9 U	3.7 U	3.9 U	3.7 U	3.5 U	4 U	3.7 U	3.5 U	4 U	3.7 U
Endrin aldehyde	ug/Kg	3.9 U	3.7 U	3.9 U	3.7 U	3.5 U	4 U	3.7 U	3.5 U	4 U	3.7 U
alpha-Chlordane	ug/Kg	2 U	1.9 U	2 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	2 U	1.9 U
gamma-Chlordane	ug/Kg	2 U	1.9 U	2 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	2 U	1.9 U
Toxaphene	ug/Kg	200 U	190 U	200 U	190 U	180 U	200 U	190 U	180 U	200 U	190 U
Aroclor-1016	ug/Kg	39 U	37 U	39 U	37 U	35 U	40 U	37 U	35 U	40 U	37 U
Aroclor-1221	ug/Kg	80 U	74 U	80 U	74 U	72 U	81 U	74 U	72 U	81 U	76 U
Aroclor-1232	ug/Kg	39 U	37 U	39 U	37 U	35 U	40 U	37 U	35 U	40 U	37 U
Aroclor-1242	ug/Kg	39 U	37 U	39 U	37 U	35 U	40 U	37 U	35 U	40 U	37 U
Aroclor-1248	ug/Kg	39 U	37 U	39 U	37 U	35 U	40 U	37 U	35 U	40 U	37 U
Aroclor-1254	ug/Kg	39 U	37 U	39 U	37 U	35 U	40 U	37 U	35 U	40 U	37 U
Aroclor-1260	ug/Kg	39 U	37 U	39 U	37 U	35 U	40 U	37 U	35 U	40 U	37 U
METALS											
Aluminum	mg/Kg	19800	12600	10600	10600	9250	10400	10600	8730	8800	10700 J
Antimony	mg/Kg	0.2 UJ	0.2 UJ	0.28 UJ	0.2 UJ	0.24 UJ	0.23 UJ	0.19 UJ	0.22 UJ	0.26 UJ	0.27 J
Arsenic	mg/Kg	8.2	5	4.9	4.7	4.3	4.6	4	4.8	5.8	4.9
Barium	mg/Kg	91.2	62.3	73.3	105	71	75.9	73.1	79.3	58.4	72.5 J
Beryllium	mg/Kg	0.74 J	0.53 J	0.49 J	0.5 J	0.43 J	0.49 J	0.49 J	0.43 J	0.42 J	0.4 J
Cadmium	mg/Kg	0.02 U	0.12 J	0.41 J	0.51 J	0.46 J	0.5 J	0.42 J	0.46 J	0.48 J	0.45 J
Calcium	mg/Kg	4300	72400	53400 J	90700 J	74700 J	54400 J	64100 J	64600 J	54800 J	52300 J
Chromium	mg/Kg	25	19	15.9	17.1	15.9	15.4	16.6	15.2	14.2	15.6 J
Cobalt	mg/Kg	11.3	9.1 J	8.9 J	9.7	9.2	8.7	10.4	11.8	8.3 J	8.7 J
Copper	mg/Kg	21	23.7	21.5	23.2	21.1	20.6	23.8	23.3	19.6	18.4 J
Iron	mg/Kg	28000	22600	19500	21700	20100	19400	19500	20600	17100	21300 J
Lead	mg/Kg	13.6	15.4	15.9	10.6	10.7	17	9.5	11.1	12.1	12.4
Magnesium	mg/Kg	5010	14800	14400	16500	20400	22100	16800	16500	12200	13800 J
Manganese	mg/Kg	604	402	394	377	418	414	388	492	354	336 J
Mercury	mg/Kg	0.03 J	0.02 J	0.03 J	0.02 J	0.01 J	0.04 J	0.02 U	0.02 J	0.03 J	0.04 J R
Nickel	mg/Kg	28.6	26.7	26.2	31	26.5	25.9	32.4	29.6	24	24.3 J
Potassium	mg/Kg	2260 J	2700 J	2160 J	2090 J	1860 J	2000 J	2320 J	1700 J	1840 J	1560
Selenium	mg/Kg	1.7	0.34 U	0.58 U	0.41 U	0.49 U	0.74 J	0.4 U	0.46 U	0.55 J	0.48 J
Silver	mg/Kg	0.14 U	0.14 U	0.11 UJ	0.08 UJ	0.09 UJ	0.09 UJ	0.07 UJ	0.08 UJ	0.1 UJ	0.09 UJ
Sodium	mg/Kg	31.8 U	92.1 J	51.9 J	106 J	94.4 J	65.7 J	93 J	103 J	65.8 J	72.6 J
Thallium	mg/Kg	0.32 U	0.32 U	0.41 U	0.29 U	0.35 U	0.33 U	0.42 J	0.32 U	0.38 U	0.33 U
Vanadium	mg/Kg	32.2	22.8	19.5	18.2	16.2	19	17.6	15.2	16.2	19.6 J
Zinc	mg/Kg	87.1	64.9	72.4	73.7	71.8	70.7	60.4	85.1	78.8	64.3 J
Cyanide	mg/Kg	0.56 U	0.55 U	0.49 U	0.54 U	0.5 U	0.39 U	0.5 U	0.39 U	0.47 U	0.49 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	84.5	90.4	83.5	89.8	93.3	83.1	89.9	92.7	82.8	87.7

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

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

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	14-16	0-0.2	4-6	6-8	0-0.2	0-0.2	0-0.2	0-0.2	3	4
	SAMPLE DATE	06/08/94	05/13/94	05/13/94	05/13/94	04/11/94	04/11/94	04/11/94	04/11/94	06/09/94	06/09/94
	ES ID	SB64B-3.08	MW64B-1-00	MW64B-1-03	MW64B-1-04	SS64C-1	SS64C-20	SS64C-2	SS64C-3	TP64C-1-1	TP64C-1-2
	LAB ID	223510	221238	221239	221240	217070	217074	217072	217073	223776	223777
	SDG NUMBER	44694	44090	44090	44090	43257	43257	43257	43257	44725	44725
COMPOUND	UNITS						SS64C-1DUP				
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
bis(2-Chloroethyl) ether	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
2-Chlorophenol	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
1,3-Dichlorobenzene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
1,4-Dichlorobenzene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
1,2-Dichlorobenzene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
2-Methylphenol	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
4-Methylphenol	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
N-Nitroso-di-n-propylamine	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Hexachloroethane	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Nitrobenzene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Isophorone	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
2-Nitrophenol	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
2,4-Dimethylphenol	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
bis(2-Chloroethoxy) methane	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
2,4-Dichlorophenol	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
1,2,4-Trichlorobenzene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Naphthalene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
4-Chloroaniline	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Hexachlorobutadiene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
4-Chloro-3-methylphenol	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
2-Methylnaphthalene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Hexachlorocyclopentadiene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
2,4,6-Trichlorophenol	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
2,4,5-Trichlorophenol	ug/Kg	870 U	1300 U	880 U	880 U	1000 U	1000 U	1200 U	1300 U	910 U	890 U
2-Chloronaphthalene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
2-Nitroaniline	ug/Kg	870 U	1300 U	880 U	880 U	1000 U	1000 U	1200 U	1300 U	910 U	890 U
Dimethylphthalate	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Acenaphthylene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
2,6-Dinitrotoluene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
3-Nitroaniline	ug/Kg	870 U	1300 U	880 U	880 U	1000 U	1000 U	1200 U	1300 U	910 U	890 U
Acenaphthene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
2,4-Dinitrophenol	ug/Kg	870 U	1300 U	880 U	880 U	1000 U	1000 U	1200 U	1300 U	910 U	890 U
4-Nitrophenol	ug/Kg	870 U	1300 U	880 U	880 U	1000 U	1000 U	1200 U	1300 U	910 U	890 U
Dibenzofuran	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
2,4-Dinitrotoluene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Diethylphthalate	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
4-Chlorophenyl-phenylether	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Fluorene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
4-Nitroaniline	ug/Kg	870 U	1300 U	880 U	880 U	1000 U	1000 U	1200 U	1300 U	910 U	890 U
4,6-Dinitro-2-methylphenol	ug/Kg	870 U	1300 U	880 U	880 U	1000 U	1000 U	1200 U	1300 U	910 U	890 U
N-Nitrosodiphenylamine	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
4-Bromophenyl-phenylether	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Hexachlorobenzene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Pentachlorophenol	ug/Kg	870 U	1300 U	880 U	880 U	1000 U	1000 U	1200 U	1300 U	910 U	890 U
Phenanthrene	ug/Kg	360 U	30 J	26 J	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Anthracene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Carbazole	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Di-n-butylphthalate	ug/Kg	360 U	520 U	360 U	360 U	420 U	25 J	36 J	39 J	370 U	370 U
Fluoranthene	ug/Kg	360 U	28 J	46 J	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Pyrene	ug/Kg	360 U	36 J	64 J	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Butylbenzylphthalate	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
3,3'-Dichlorobenzidine	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Benzo(a)anthracene	ug/Kg	360 U	38 J	36 J	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Chrysene	ug/Kg	360 U	40 J	34 J	360 U	420 U	410 U	510 U	530 U	370 U	370 U
bis(2-Ethylhexyl)phthalate	ug/Kg	360 U	520 U	360 U	360 U	850	920	510 U	1100	74 J	140 J
Di-n-octylphthalate	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Benzo(b)fluoranthene	ug/Kg	360 U	28 J	29 J	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Benzo(k)fluoranthene	ug/Kg	360 U	36 J	31 J	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Benzo(a)pyrene	ug/Kg	360 U	34 J	39 J	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Indeno(1,2,3-cd)pyrene	ug/Kg	360 U	520 U	29 J	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Dibenz(a,h)anthracene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Benzo(g,h,i)perylene	ug/Kg	360 U	520 U	110 J	360 U	420 U	410 U	510 U	530 U	370 U	370 U

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	14-16	0-0.2	4-6	6-8	0-0.2	0-0.2	0-0.2	0-0.2	3	4
	SAMPLE DATE	06/08/94	05/13/94	05/13/94	05/13/94	04/11/94	04/11/94	04/11/94	04/11/94	06/09/94	06/09/94
	ES ID	SB64B-3.08	MW64B-1-00	MW64B-1-03	MW64B-1-04	SS64C-1	SS64C-20	SS64C-2	SS64C-3	TP64C-1-1	TP64C-1-2
	LAB ID	223510	221238	221239	221240	217070	217074	217072	217073	223776	223777
	SDG NUMBER	44694	44090	44090	44090	43257	43257	43257	43257	44725	44725
COMPOUND	UNITS						SS64C-1DUP				
PESTICIDES/PCB											
alpha-BHC	ug/Kg	1.8 U	2.7 U	1.9 U	1.9 U	2.2 U	2.1 U	2.6 U	2.7 U	1.9 U	1.9 U
beta-BHC	ug/Kg	1.8 U	2.7 U	1.9 U	1.9 U	2.2 U	2.1 U	2.6 U	2.7 U	1.9 U	1.9 U
delta-BHC	ug/Kg	1.8 U	2.7 U	1.9 U	1.9 U	2.2 U	2.1 U	2.6 U	2.7 U	1.9 U	1.9 U
gamma-BHC (Lindane)	ug/Kg	1.8 U	2.7 U	1.9 U	1.9 U	2.2 U	2.1 U	2.6 U	2.7 U	1.9 U	1.9 U
Heptachlor	ug/Kg	1.8 U	2.7 U	1.9 U	1.9 U	2.2 U	2.6 J	2.6 U	2.7 U	1.9 U	1.9 U
Aldrin	ug/Kg	1.8 U	2.7 U	1.9 U	1.6 J	2.2 U	2.1 U	2.6 U	2.7 U	1.9 U	1.9 U
Heptachlor epoxide	ug/Kg	1.8 U	1.4 J	1.9 U	1.9 U	2.2 U	2.1 U	2.6 U	2.7 U	1.9 U	1.9 U
Endosulfan I	ug/Kg	1.8 U	2.7 U	1.9 U	1.9 U	2.2 U	2.1 U	2.6 U	2.7 U	1.9 U	1.9 U
Dieldrin	ug/Kg	3.6 U	5.2 U	3.6 U	3.6 U	4.2 U	4.1 U	4.7 J	5.3 U	3.7 U	3.7 U
4,4'-DDE	ug/Kg	3.6 U	5.2 U	3.6 U	3.6 U	4.2 U	4.1 U	5.1 U	5.3 U	3.7 U	3.7 U
Endrin	ug/Kg	3.6 U	5.2 U	3.6 U	3.6 U	4.2 U	4.1 U	5.1 U	5.3 U	3.7 U	3.7 U
Endosulfan II	ug/Kg	3.6 U	5.2 U	3.6 U	3.6 U	4.2 U	4.1 U	5.1 U	5.3 U	3.7 U	3.7 U
4,4'-DDD	ug/Kg	3.6 U	5.2 U	3.6 U	3.6 U	4.2 U	4.1 U	5.1 U	5.3 U	3.7 U	3.7 U
Endosulfan sulfate	ug/Kg	3.6 U	5.2 U	3.6 U	3.6 U	4.2 U	4.1 U	5.1 U	5.3 U	3.7 U	3.7 U
4,4'-DDT	ug/Kg	3.6 U	5.2 U	3.6 U	3.6 U	4.2 U	4.1 U	5.1 U	5.3 U	3.7 U	3.7 U
Methoxychlor	ug/Kg	18 U	27 U	19 U	19 U	22 U	21 U	26 U	27 U	19 U	19 U
Endrin ketone	ug/Kg	3.6 U	5.2 U	3.6 U	3.6 U	4.2 U	4.1 U	5.1 U	5.3 U	3.7 U	3.7 U
Endrin aldehyde	ug/Kg	3.6 U	5.2 U	3.6 U	3.6 U	4.2 U	4.1 U	5.1 U	5.3 U	3.7 U	3.7 U
alpha-Chlordane	ug/Kg	1.8 U	2.7 U	1.9 U	1.9 U	2.2 U	2.1 U	2.6 U	2.7 U	1.9 U	1.9 U
gamma-Chlordane	ug/Kg	1.8 U	2.7 U	1.9 U	1.9 U	2.2 U	2.1 U	2.6 U	2.7 U	1.9 U	1.9 U
Toxaphene	ug/Kg	180 U	270 U	190 U	190 U	220 U	210 U	260 U	270 U	190 U	190 U
Aroclor-1016	ug/Kg	36 U	52 U	36 U	36 U	42 U	41 U	51 U	53 U	37 U	37 U
Aroclor-1221	ug/Kg	73 U	100 U	74 U	74 U	86 U	84 U	100 U	110 U	76 U	74 U
Aroclor-1232	ug/Kg	36 U	52 U	36 U	36 U	42 U	41 U	51 U	53 U	37 U	37 U
Aroclor-1242	ug/Kg	36 U	52 U	36 U	36 U	42 U	41 U	51 U	53 U	37 U	37 U
Aroclor-1248	ug/Kg	36 U	52 U	36 U	36 U	42 U	41 U	51 U	53 U	37 U	37 U
Aroclor-1254	ug/Kg	36 U	52 U	36 U	36 U	42 U	41 U	51 U	53 U	37 U	37 U
Aroclor-1260	ug/Kg	36 U	52 U	36 U	36 U	42 U	41 U	51 U	53 U	37 U	37 U
METALS											
Aluminum	mg/Kg	9140 J	13400	8870	7620	14200	12700	18700	15300	12400	4970
Antimony	mg/Kg	0.25 J	0.3 J	0.15 UJ	0.15 UJ	0.32 J	0.18 UJ	0.43 J	0.27 UJ	0.24 UJ	0.16 UJ
Arsenic	mg/Kg	4.4	5.5	4.3	5.5	5.1	5	6.1	6.5	4.7	3.2
Barium	mg/Kg	64 J	75.5	70.8	76.7	109	111	181	243	98	35.4
Beryllium	mg/Kg	0.35 J	0.56 J	0.43 J	0.37 J	0.61 J	0.59 J	0.86 J	0.82 J	0.62 J	0.26 J
Cadmium	mg/Kg	0.44 J	0.63 J	0.64 J	0.54 J	0.13 J	0.19 J	0.28 J	0.37 J	0.77 J	0.43 J
Calcium	mg/Kg	81300 J	5530	70000	75900	46800	29600	5840	6340	35900	81500
Chromium	mg/Kg	22.3 J	17.5	14.1	13.5	21	18.5	25.9	22.1	18.7	7.1
Cobalt	mg/Kg	8.3 J	7.2 J	10	7.4 J	9.6 J	8.5 J	9.3 J	12.9 J	9.7	4.9 J
Copper	mg/Kg	21.4 J	18.9	20.2	17.6	24	20.5	23.5	22.3	22.5	15.6
Iron	mg/Kg	18200 J	20900	18400	17100	25200	23300	28000	29000	22700	10500
Lead	mg/Kg	8.5	21.4	8.8	8.3	13.8	13.5	22.8	23.3	12.5	5.9
Magnesium	mg/Kg	19100 J	3720	18900	21500	10600	8780	5000	4480	9880	24500
Manganese	mg/Kg	391 J	207	434	389	434	417	417	1090	453	330
Mercury	mg/Kg	0.02 J	0.05 J	0.02 J	0.01 U	0.03 J	0.03 J	0.05 J	0.05 J	0.04 J	0.02 J
Nickel	mg/Kg	24 J	19.8	28.2	22.6	30.5	26.3	28.1	26.3	30.1	13.3
Potassium	mg/Kg	2090	1700	1630	1650	2190 J	1630 J	2690 J	1670 J	1840 J	1360 J
Selenium	mg/Kg	0.52 U	0.99 J	0.26 U	0.57 J	0.93 J	1	1.9	1.9	0.5 U	0.33 U
Silver	mg/Kg	0.1 UJ	0.16 UJ	0.11 UJ	0.11 UJ	0.17 U	0.12 U	0.16 U	0.19 U	0.09 U	0.06 U
Sodium	mg/Kg	93.4 J	35.9 U	96.8 J	79.6 J	62 J	32.7 J	36.5 U	42.8 U	42.3 J	68.2 J
Thallium	mg/Kg	0.37 U	0.41 J	0.24 U	0.24 U	0.38 U	0.28 U	0.37 U	0.43 U	0.35 U	0.23 U
Vanadium	mg/Kg	17.1 J	23.3	14.8	14.2	24.3	22.2	32.5	28.9	21.3	9.6
Zinc	mg/Kg	64.9 J	72.2	59	45.6	88.1	81.4	110	109	83	43.4
Cyanide	mg/Kg	0.5 U	0.6 U	0.5 U	0.48 U	0.52 U	0.6 U	0.69 U	0.8 U	0.41 U	0.44 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	92.1	63.5	91.3	90.9	77.8	79.8	64.9	62.3	87.7	90.3

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

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

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

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	2	2	2	2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
	SAMPLE DATE	06/09/94	06/09/94	06/09/94	06/09/94	04/14/94	04/14/94	04/14/94	04/14/94	04/14/94	06/23/94
	ES ID	TP64C-2-1	TP64C-2-2	TP64C-3-1	TP64C-3-2	SS64D-1	SS64D-2	SS64D-3	SS64D-4	SS64D-5	SB64D-1-00
	LAB ID	223778	223779	223780	223781	217694	217695	217696	217697	217698	225467
	SDG NUMBER	44725	44725	44725	44725	43535	43535	43535	43535	43535	44799
	UNITS										
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
bis(2-Chloroethyl) ether	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
2-Chlorophenol	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
1,3-Dichlorobenzene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
1,4-Dichlorobenzene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
1,2-Dichlorobenzene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
2-Methylphenol	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
4-Methylphenol	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
N-Nitroso-di-n-propylamine	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
Hexachloroethane	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
Nitrobenzene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
Isophorone	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
2-Nitrophenol	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
2,4-Dimethylphenol	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
bis(2-Chloroethoxy) methane	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
2,4-Dichlorophenol	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
1,2,4-Trichlorobenzene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
Naphthalene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	29 J	400 U	420 U	370 U
4-Chloroaniline	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
Hexachlorobutadiene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
4-Chloro-3-methylphenol	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
2-Methylnaphthalene	ug/Kg	370 U	390 U	410 U	390 U	30 J	27 J	49 J	400 U	420 U	370 U
Hexachlorocyclopentadiene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
2,4,6-Trichlorophenol	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
2,4,5-Trichlorophenol	ug/Kg	900 U	940 U	1000 U	940 U	1100 U	1100 U	1100 U	980 U	1000 U	890 U
2-Chloronaphthalene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
2-Nitroaniline	ug/Kg	900 U	940 U	1000 U	940 U	1100 U	1100 U	1100 U	980 U	1000 U	890 U
Dimethylphthalate	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
Acenaphthylene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
2,6-Dinitrotoluene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
3-Nitroaniline	ug/Kg	900 U	940 U	1000 U	940 U	1100 U	1100 U	1100 U	980 U	1000 U	890 U
Acenaphthene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
2,4-Dinitrophenol	ug/Kg	900 U	940 U	1000 U	940 U	1100 U	1100 U	1100 U	980 U	1000 U	890 U
4-Nitrophenol	ug/Kg	900 U	940 U	1000 U	940 U	1100 U	1100 U	1100 U	980 U	1000 U	890 U
Dibenzofuran	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
2,4-Dinitrotoluene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
Diethylphthalate	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
4-Chlorophenyl-phenylether	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
Fluorene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
4-Nitroaniline	ug/Kg	900 U	940 U	1000 U	940 U	1100 U	1100 U	1100 U	980 U	1000 U	890 U
4,6-Dinitro-2-methylphenol	ug/Kg	900 U	940 U	1000 U	940 U	1100 U	1100 U	1100 U	980 U	1000 U	890 U
N-Nitrosodiphenylamine	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
4-Bromophenyl-phenylether	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
Hexachlorobenzene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
Pentachlorophenol	ug/Kg	900 U	940 U	1000 U	940 U	1100 U	1100 U	1100 U	980 U	1000 U	890 U
Phenanthrene	ug/Kg	370 U	390 U	410 U	390 U	35 J	36 J	57 J	400 U	24 J	370 U
Anthracene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
Carbazole	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
Di-n-butylphthalate	ug/Kg	38 J	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
Fluoranthene	ug/Kg	370 U	390 U	410 U	390 U	47 J	62 J	99 J	21 J	33 J	370 U
Pyrene	ug/Kg	370 U	390 U	410 U	390 U	38 J	47 J	81 J	20 J	25 J	370 U
Butylbenzylphthalate	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
3,3'-Dichlorobenzidine	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
Benzo(a)anthracene	ug/Kg	370 U	390 U	410 U	390 U	22 J	23 J	41 J	400 U	420 U	370 U
Chrysene	ug/Kg	370 U	390 U	410 U	390 U	34 J	36 J	53 J	400 U	22 J	370 U
bis(2-Ethylhexyl)phthalate	ug/Kg	69 J	25 J	69 J	390 U	120 J	470 U	440 U	19 J	420 U	370 U
Di-n-octylphthalate	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
Benzo(b)fluoranthene	ug/Kg	370 U	390 U	410 U	390 U	26 J	28 J	39 J	400 U	420 U	370 U
Benzo(k)fluoranthene	ug/Kg	370 U	390 U	410 U	390 U	27 J	470 U	53 J	400 U	420 U	370 U
Benzo(a)pyrene	ug/Kg	370 U	390 U	410 U	390 U	25 J	27 J	43 J	400 U	420 U	370 U
Indeno(1,2,3-cd)pyrene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	26 J	400 U	420 U	370 U
Dibenz(a,h)anthracene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
Benzo(g,h,i)perylene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	23 J	400 U	420 U	370 U

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	2	2	2	2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
	SAMPLE DATE	06/09/94	06/09/94	06/09/94	06/09/94	04/14/94	04/14/94	04/14/94	04/14/94	04/14/94	06/23/94
	ES ID	TP64C-2-1	TP64C-2-2	TP64C-3-1	TP64C-3-2	SS64D-1	SS64D-2	SS64D-3	SS64D-4	SS64D-5	SB64D-1-00
	LAB ID	223778	223779	223780	223781	217694	217695	217696	217697	217698	225467
	SDG NUMBER	44725	44725	44725	44725	43535	43535	43535	43535	43535	44799
COMPOUND	UNITS										
PESTICIDES/PCB											
alpha-BHC	ug/Kg	1.9 U	2 U	2.1 U	2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.2 U	1.9 U
beta-BHC	ug/Kg	1.9 U	2 U	2.1 U	2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.2 U	1.9 U
delta-BHC	ug/Kg	1.9 U	2 U	2.1 U	2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.2 U	1.9 U
gamma-BHC (Lindane)	ug/Kg	1.9 U	2 U	2.1 U	2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.2 U	1.9 U
Heptachlor	ug/Kg	1.9 U	2 U	2.1 U	2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.2 U	1.9 U
Aldrin	ug/Kg	1.9 U	2 U	2.1 U	2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.2 U	1.9 U
Heptachlor epoxide	ug/Kg	1.9 U	2 U	2.1 U	2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.2 U	1.9 U
Endosulfan I	ug/Kg	1.9 U	2 U	2.1 U	2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.2 U	1.9 U
Dieldrin	ug/Kg	3.7 U	3.9 U	4.1 U	3.8 U	4.6 U	4.7 U	4.5 U	4 U	4.2 U	3.7 U
4,4'-DDE	ug/Kg	3.7 U	3.9 U	4.1 U	3.8 U	4.6 U	4.7 U	4.5 U	4 U	4.2 U	3.7 U
Endrin	ug/Kg	3.7 U	3.9 U	4.1 U	3.8 U	4.6 U	4.7 U	4.5 U	4 U	4.2 U	3.7 U
Endosulfan II	ug/Kg	3.7 U	3.9 U	4.1 U	3.8 U	4.6 U	4.7 U	4.5 U	4 U	4.2 U	3.7 U
4,4'-DDD	ug/Kg	3.7 U	3.9 U	4.1 U	3.8 U	4.6 U	4.7 U	4.5 U	4 U	4.2 U	3.7 U
Endosulfan sulfate	ug/Kg	3.7 U	3.9 U	4.1 U	3.8 U	4.6 U	4.7 U	4.5 U	4 U	4.2 U	3.7 U
4,4'-DDT	ug/Kg	3.7 U	3.9 U	4.1 U	3.8 U	4.6 U	4.7 U	4.5 U	4 U	4.2 U	3.7 U
Methoxychlor	ug/Kg	19 U	20 U	21 U	20 U	24 U	24 U	23 U	21 U	22 U	19 U
Endrin ketone	ug/Kg	3.7 U	3.9 U	4.1 U	3.8 U	4.6 U	4.7 U	4.5 U	4 U	4.2 U	3.7 U
Endrin aldehyde	ug/Kg	3.7 U	3.9 U	4.1 U	3.8 U	4.6 U	4.7 U	4.5 U	4 U	4.2 U	3.7 U
alpha-Chlordane	ug/Kg	1.9 U	2 U	2.1 U	2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.2 U	1.9 U
gamma-Chlordane	ug/Kg	1.9 U	2 U	2.1 U	2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.2 U	1.9 U
Toxaphene	ug/Kg	190 U	200 U	210 U	200 U	240 U	240 U	230 U	210 U	220 U	190 U
Aroclor-1016	ug/Kg	37 U	39 U	41 U	38 U	46 U	47 U	45 U	40 U	42 U	37 U
Aroclor-1221	ug/Kg	75 U	79 U	84 U	78 U	94 U	96 U	91 U	82 U	85 U	74 U
Aroclor-1232	ug/Kg	37 U	39 U	41 U	38 U	46 U	47 U	45 U	40 U	42 U	37 U
Aroclor-1242	ug/Kg	37 U	39 U	41 U	38 U	46 U	47 U	45 U	40 U	42 U	37 U
Aroclor-1248	ug/Kg	37 U	39 U	41 U	38 U	46 U	47 U	45 U	40 U	42 U	37 U
Aroclor-1254	ug/Kg	37 U	39 U	41 U	38 U	46 U	47 U	45 U	40 U	42 U	37 U
Aroclor-1260	ug/Kg	37 U	39 U	41 U	38 U	46 U	47 U	45 U	40 U	42 U	37 U
METALS											
Aluminum	mg/Kg	11400	13400	9200	10600	11300	8930	12900	12000	10300	16700
Antimony	mg/Kg	0.21 UJ	0.17 UJ	0.24 UJ	0.23 UJ	0.24 UJ	0.16 UJ	0.18 UJ	0.19 J	0.19 UJ	0.23 UJ
Arsenic	mg/Kg	6.1	6.6	4.2	4.9	4.3	3.9	6.4	4.5	3.6	6.1
Barium	mg/Kg	92.6	165	61.1	75.1	76.4	74.6	89.3	61.8	77.3	87.7
Beryllium	mg/Kg	0.61 J	0.63 J	0.46 J	0.52 J	0.53 J	0.43 J	0.65 J	0.56 J	0.45 J	0.76 J
Cadmium	mg/Kg	1	0.73	0.87 J	0.75 J	0.38 J	0.35 J	0.42 J	0.42 J	0.27 J	0.76 J
Calcium	mg/Kg	65400	3300	129000	68200	88900	129000	34900	84800	84100	10600
Chromium	mg/Kg	17.4	18	13.8	16.1	18.3	13.5	20.4	18.8	15.3	25.2
Cobalt	mg/Kg	13	13.9	7.4 J	9.7	9.3 J	7.8 J	12.7	8.8	7.3 J	12.8
Copper	mg/Kg	28.7	28.7	17.6	23.2	18.8	14.5	20.6	19.7	15.5	26.1
Iron	mg/Kg	24100	21900	18500	20800	23200	17800	28400	22900	17000	33800
Lead	mg/Kg	12.9	9	8.4	11.1	13.2	11.4	18.7	10	12.2	14.2
Magnesium	mg/Kg	15900	4370	29700	16800	7720	9080	7460	13400	11600	6610
Manganese	mg/Kg	579	2220	352	409	475 J	424 J	750 J	457 J	323 J	606
Mercury	mg/Kg	0.03 J	0.04 J	0.03 J	0.02 J	0.02 J	0.01 J	0.02 J	0.01 J	0.01 J	0.02 J
Nickel	mg/Kg	35	41.1	22.4	29	25.7	20.3	32.4	28.5	20.3	40.3
Potassium	mg/Kg	1790 J	1900 J	1990 J	2180 J	1610	1480	1590	2200	2330	1870 J
Selenium	mg/Kg	0.44 U	0.62 J	0.49 U	0.47 U	0.53 J	0.27 U	0.49 J	0.21 U	0.33 U	1.7
Silver	mg/Kg	0.08 U	0.07 U	0.09 U	0.09 U	0.95 U	0.62 U	0.69 U	0.48 U	0.75 U	0.09 U
Sodium	mg/Kg	93.8 J	19.8 J	93.6 J	89.1 J	100 J	95.7 J	59.6 J	151 J	30.3 J	43.6 J
Thallium	mg/Kg	0.31 U	0.25 U	0.34 U	0.33 U	0.39 U	0.25 U	0.28 U	0.2 U	0.31 U	0.33 U
Vanadium	mg/Kg	19.4	24.4	16.5	19	18.2	14.1	21.1	18.5	18.4	24.7
Zinc	mg/Kg	93.9	52.5	80.6	68.1	72.6	63.1	87.9	80.4	54.8	102
Cyanide	mg/Kg	0.37 U	0.41 U	0.52 U	0.46 U	0.69 U	0.63 U	0.65 U	0.59 U	0.49 U	0.44 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	89	84.7	80.1	85.5	71.4	70.1	74.1	82.2	78.6	90.5

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

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

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	0.2-1.2	2-3	0-0.2	2-3.5	4-6	0-0.2	0-2	0.2-2	2-3.2	0-0.2
	SAMPLE DATE	06/23/94	06/23/94	06/23/94	06/23/94	06/23/94	06/24/94	06/24/94	06/24/94	06/24/94	06/24/94
	ES ID	SB64D-1-01	SB64D-1-02	SB64D-2-00	SB64D-2-02	SB64D-2-03	SB64D-3-00	SB64D-3-20	SB64D-3-01	SB64D-3-02	SB64D-4-00
	LAB ID	225468	225469	225470	225471	225472	225473	225499	225497	225498	225522
	SDG NUMBER	44799	44799	44799	44799	44799	44799	45048	45048	45048	45048
COMPOUND	UNITS							SB64D-3-00DUP			
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	42 J	390 U	390 U	460 U
bis(2-Chloroethyl) ether	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2-Chlorophenol	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
1,3-Dichlorobenzene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
1,4-Dichlorobenzene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
1,2-Dichlorobenzene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2-Methylphenol	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
4-Methylphenol	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
N-Nitroso-di-n-propylamine	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Hexachloroethane	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Nitrobenzene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Isophorone	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2-Nitrophenol	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2,4-Dimethylphenol	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
bis(2-Chloroethoxy) methane	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2,4-Dichlorophenol	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
1,2,4-Trichlorobenzene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Naphthalene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
4-Chloroaniline	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Hexachlorobutadiene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
4-Chloro-3-methylphenol	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2-Methylnaphthalene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Hexachlorocyclopentadiene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2,4,6-Trichlorophenol	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2,4,5-Trichlorophenol	ug/Kg	920 U	880 U	930 U	990 U	860 U	1100 U	1100 U	940 U	950 U	1100 U
2-Chloronaphthalene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2-Nitroaniline	ug/Kg	920 U	880 U	930 U	990 U	860 U	1100 U	1100 U	940 U	950 U	1100 U
Dimethylphthalate	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Acenaphthylene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2,6-Dinitrotoluene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
3-Nitroaniline	ug/Kg	920 U	880 U	930 U	990 U	860 U	1100 U	1100 U	940 U	950 U	1100 U
Acenaphthene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2,4-Dinitrophenol	ug/Kg	920 U	880 U	930 U	990 U	860 U	1100 U	1100 U	940 U	950 U	1100 U
4-Nitrophenol	ug/Kg	920 U	880 U	930 U	990 U	860 U	1100 U	1100 U	940 U	950 U	1100 U
Dibenzofuran	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2,4-Dinitrotoluene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Diethylphthalate	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
4-Chlorophenyl-phenylether	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Fluorene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
4-Nitroaniline	ug/Kg	920 U	880 U	930 U	990 U	860 U	1100 U	1100 U	940 U	950 U	1100 U
4,6-Dinitro-2-methylphenol	ug/Kg	920 U	880 U	930 U	990 U	860 U	1100 U	1100 U	940 U	950 U	1100 U
N-Nitrosodiphenylamine	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
4-Bromophenyl-phenylether	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Hexachlorobenzene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Pentachlorophenol	ug/Kg	920 U	880 U	930 U	990 U	860 U	1100 U	1100 U	940 U	950 U	1100 U
Phenanthrene	ug/Kg	380 U	360 U	380 U	410 U	350 U	98 J	58 J	22 J	390 U	36 J
Anthracene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Carbazole	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Di-n-butylphthalate	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	37 J	390 U	390 U	71 J
Fluoranthene	ug/Kg	380 U	360 U	380 U	410 U	350 U	240 J	170 J	31 J	390 U	61 J
Pyrene	ug/Kg	380 U	360 U	380 U	410 U	350 U	160 J	100 J	20 J	390 U	54 J
Butylbenzylphthalate	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
3,3'-Dichlorobenzidine	ug/Kg	380 U	380 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Benzo(a)anthracene	ug/Kg	380 U	360 U	380 U	410 U	350 U	86 J	69 J	390 U	390 U	38 J
Chrysene	ug/Kg	380 U	360 U	380 U	410 U	350 U	110 J	74 J	390 U	390 U	41 J
bis(2-Ethylhexyl)phthalate	ug/Kg	32 J	29 J	25 J	410 U	33 J	96 J	440 U	390 U	390 U	39 J
Di-n-octylphthalate	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Benzo(b)fluoranthene	ug/Kg	380 U	360 U	380 U	410 U	350 U	86 J	63 J	390 U	390 U	61 J
Benzo(k)fluoranthene	ug/Kg	380 U	360 U	380 U	410 U	350 U	110 J	77 J	390 U	390 U	47 J
Benzo(a)pyrene	ug/Kg	380 U	360 U	380 U	410 U	350 U	77 J	61 J	390 U	390 U	68 J
Indeno(1,2,3-cd)pyrene	ug/Kg	380 U	360 U	380 U	410 U	350 U	61 J	42 J	390 U	390 U	53 J
Dibenz(a,h)anthracene	ug/Kg	380 U	360 U	380 U	410 U	350 U	34 J	24 J	390 U	390 U	40 J
Benzo(g,h,i)perylene	ug/Kg	380 U	360 U	380 U	410 U	350 U	54 J	440 U	390 U	390 U	68 J

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

COMPOUND	UNITS										
MATRIX		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
LOCATION		SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
DEPTH (FEET)		0.2-1.2	2-3	0-0.2	2-3.5	4-6	0-0.2	0-2	0.2-2	2-3.2	0-0.2
SAMPLE DATE		06/23/94	06/23/94	06/23/94	06/23/94	06/23/94	06/24/94	06/24/94	06/24/94	06/24/94	06/24/94
ES ID		SB64D-1-01	SB64D-1-02	SB64D-2-00	SB64D-2-02	SB64D-2-03	SB64D-3-00	SB64D-3-20	SB64D-3-01	SB64D-3-02	SB64D-4-00
LAB ID		225468	225469	225470	225471	225472	225473	225499	225497	225498	225522
SDG NUMBER		44799	44799	44799	44799	44799	44799	45048	45048	45048	45048
								SB64D-3-00DUP			
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2 U	1.9 U	2 U	2.1 UJ	1.8 U	2.3 U	2.3 U	2 U	2 U	2.4 U
beta-BHC	ug/Kg	2 U	1.9 U	2 U	2.1 UJ	1.8 U	2.3 U	2.3 U	2 U	2 U	2.4 U
delta-BHC	ug/Kg	2 U	1.9 U	2 U	2.1 UJ	1.8 U	2.3 U	2.3 U	2 U	2 U	2.4 U
gamma-BHC (Lindane)	ug/Kg	2 U	1.9 U	2 U	2.1 UJ	1.8 U	2.3 U	2.3 U	2 U	2 U	2.4 U
Heptachlor	ug/Kg	2 U	1.9 U	2 U	2.1 UJ	1.8 U	2.3 U	2.3 U	2 U	2 U	2.4 U
Aldrin	ug/Kg	2 U	1.9 U	2 U	2.1 UJ	1.8 U	2.3 U	2.3 U	2 U	2 U	2.4 U
Heptachlor epoxide	ug/Kg	2 U	1.9 U	2 U	2.1 UJ	1.8 U	2.3 U	2.3 U	2 U	2 U	2.4 U
Endosulfan I	ug/Kg	2 U	1.9 U	2 U	2.1 UJ	1.8 U	2.3 U	2.3 U	2 U	2 U	2.4 U
Dieldrin	ug/Kg	3.8 U	3.6 U	3.8 U	4.1 UJ	3.5 U	4.4 U	4.4 U	3.9 U	3.9 U	4.6 U
4,4'-DDE	ug/Kg	3.8 U	3.6 U	3.8 U	4.1 UJ	3.5 U	4.4 U	4.4 U	3.9 U	3.9 U	4.6 U
Endrin	ug/Kg	3.8 U	3.6 U	3.8 U	4.1 UJ	3.5 U	4.4 U	4.4 U	3.9 U	3.9 U	4.6 U
Endosulfan II	ug/Kg	3.8 U	3.6 U	3.8 U	4.1 UJ	3.5 U	4.4 U	4.4 U	3.9 U	3.9 U	4.6 U
4,4'-DDD	ug/Kg	3.8 U	3.6 U	3.8 U	4.1 UJ	3.5 U	4.4 U	4.4 U	3.9 U	3.9 U	4.6 U
Endosulfan sulfate	ug/Kg	3.8 U	3.6 U	3.8 U	4.1 UJ	3.5 U	4.4 U	4.4 U	3.9 U	3.9 U	4.6 U
4,4'-DDT	ug/Kg	3.8 U	3.6 U	3.8 U	4.1 UJ	3.5 U	4.4 U	4.4 U	3.9 U	3.9 U	4.6 U
Methoxychlor	ug/Kg	20 U	19 U	20 U	21 UJ	18 U	23 U	23 U	20 U	20 U	24 U
Endrin ketone	ug/Kg	3.8 U	3.6 U	3.8 U	4.1 UJ	3.5 U	4.4 U	4.4 U	3.9 U	3.9 U	4.6 U
Endrin aldehyde	ug/Kg	3.8 U	3.6 U	3.8 U	4.1 UJ	3.5 U	4.4 U	4.4 U	3.9 U	3.9 U	4.6 U
alpha-Chlordane	ug/Kg	2 U	1.9 U	2 U	2.1 UJ	1.8 U	2.3 U	2.3 U	2 U	2 U	2.4 U
gamma-Chlordane	ug/Kg	2 U	1.9 U	2 U	2.1 UJ	1.8 U	2.3 U	2.3 U	2 U	2 U	2.4 U
Toxaphene	ug/Kg	200 U	190 U	200 U	210 UJ	180 U	230 U	230 U	200 U	200 U	240 U
Aroclor-1016	ug/Kg	38 U	36 U	38 U	41 UJ	35 U	44 U	44 U	39 U	39 U	46 U
Aroclor-1221	ug/Kg	78 U	74 U	78 U	83 UJ	72 U	89 U	89 U	79 U	80 U	94 U
Aroclor-1232	ug/Kg	38 U	36 U	38 U	41 UJ	35 U	44 U	44 U	39 U	39 U	46 U
Aroclor-1242	ug/Kg	38 U	36 U	38 U	41 UJ	35 U	44 U	44 U	39 U	39 U	46 U
Aroclor-1248	ug/Kg	38 U	36 U	38 U	41 UJ	35 U	44 U	44 U	39 U	39 U	46 U
Aroclor-1254	ug/Kg	38 U	36 U	38 U	41 UJ	35 U	44 U	44 U	39 U	39 U	46 U
Aroclor-1260	ug/Kg	38 U	36 U	38 U	41 UJ	35 U	44 U	44 U	39 U	39 U	46 U
METALS											
Aluminum	mg/Kg	14100	7480	14800	17600	11100	14200	16100	14900	15500	17400
Antimony	mg/Kg	0.17 UJ	0.17 UJ	0.22 UJ	0.28 UJ	0.21 UJ	0.26 UJ	0.47 J	0.22 J	0.21 UJ	0.4 J
Arsenic	mg/Kg	6.9	3.8	6.2	6.3	5	5.9	6	5.9	7.1	6.6
Barium	mg/Kg	81.5	38.5	93.2	115	45.3	103	111	92.1	107	116
Beryllium	mg/Kg	0.7	0.32 J	0.73 J	0.93 J	0.5 J	0.71 J	0.73 J	0.74	0.76 J	0.78 J
Cadmium	mg/Kg	0.66 J	0.54 J	0.78 J	0.97 J	0.65 J	0.64 J	0.4 J	0.36 J	0.51 J	0.43 J
Calcium	mg/Kg	3830	36900	13800	4250	45600	4900	4940 J	3060 J	3970 J	5120 J
Chromium	mg/Kg	22.1	11.8	21.7	25.3	16.9	18.6	20.5	20.7	22.9	22.9
Cobalt	mg/Kg	11.5	7.7	11.8	18.6	11.1	8.1 J	8.5 J	10.4	16.2	11.5 J
Copper	mg/Kg	27.5	18.7	24.9	22.1	20.6	21.6	24	20.7	30.7	20.6
Iron	mg/Kg	32000	16800	29800	36600	24200	23200	24400	26900	30700	28300
Lead	mg/Kg	15.1	8.8	60.7	15.5	8.2	19.1	19.3 J	17 J	14.4 J	21.5 J
Magnesium	mg/Kg	5240	11800	5700	5850	9520	3800	4110	3890	4980	3990
Manganese	mg/Kg	640	415	688	1240	476	549	564	690	1790	884
Mercury	mg/Kg	0.04 J	0.02 J	0.05 J	0.06 J	0.02 J	0.08 J	0.08 J	0.07 J	0.06 J	0.08
Nickel	mg/Kg	37.8	20.6	31.4	41.2	28	22.5	23.6	25.8	41.8	27.2
Potassium	mg/Kg	1380 J	1080 J	1800 J	1470 J	1190 J	1820 J	2130 J	1440 J	1730 J	2280 J
Selenium	mg/Kg	1.4	0.44 J	1.6	1.6	0.62 J	2	1.4	1.3	1.2	1.7
Silver	mg/Kg	0.07 U	0.07 U	0.08 U	0.11 U	0.08 U	0.1 U	0.12 U	0.07 U	0.08 U	0.14 U
Sodium	mg/Kg	35.7 J	26.4 J	50.4 J	35.9 J	78.9 J	19.7 U	24.3 U	14.5 U	25.4 J	27.1 U
Thallium	mg/Kg	0.45 J	0.3 J	0.32 U	0.41 U	0.3 U	0.58 J	0.46 U	0.41 J	0.48 J	0.52 U
Vanadium	mg/Kg	23.3	13.5	22.1	23.9	15.8	22.4	25.4	23.7	25.2	26.9
Zinc	mg/Kg	95.3	63.1	93	98.4	86.1	82.9	89	85.8	97.5	91
Cyanide	mg/Kg	0.59 U	0.36 U	0.33 U	0.59 U	0.47 U	0.5 U	0.67 U	0.5 U	0.54 U	0.69 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	86.5	91.2	85.9	81.3	93.2	74.7	75	85.4	84.4	71.2

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

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

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

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	0.2-2.0	2-4	0-0.2	2-4	4-6	0-0.2	0.2-2	2-4	0-0.2	0.2-2.0
	SAMPLE DATE	06/24/94	06/24/94	06/25/94	06/25/94	06/25/94	06/25/94	06/25/94	06/25/94	06/24/94	06/24/94
	ES ID	SB64D-4-01	SB64D-4-02	SB64D-5.00	SB64D-5.02	SB64D-5.03	SB64D-6.00	SB64D-6.01	SB64D-6.02	SB64D-7-00	SB64D-7-01
	LAB ID	225523	225524	225570	225571	225572	225573	225574	225575	225525	225526
	SDG NUMBER	45048	45048	45058	45058	45058	45058	45058	45058	45048	45048
	UNITS										
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
bis(2-Chloroethyl) ether	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
2-Chlorophenol	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
1,3-Dichlorobenzene	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
1,4-Dichlorobenzene	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
1,2-Dichlorobenzene	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
2-Methylphenol	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
4-Methylphenol	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
N-Nitroso-di-n-propylamine	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
Hexachloroethane	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
Nitrobenzene	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
Isophorone	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
2-Nitrophenol	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
2,4-Dimethylphenol	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
bis(2-Chloroethoxy) methane	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
2,4-Dichlorophenol	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
1,2,4-Trichlorobenzene	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
Naphthalene	ug/Kg	420 U	370 U	31 J	380 U	370 U	440 U	380 U	370 U	460 U	390 U
4-Chloroaniline	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
Hexachlorobutadiene	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
4-Chloro-3-methylphenol	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
2-Methylnaphthalene	ug/Kg	420 U	370 U	46 J	22 J	370 U	440 U	380 U	370 U	460 U	390 U
Hexachlorocyclopentadiene	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
2,4,6-Trichlorophenol	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
2,4,5-Trichlorophenol	ug/Kg	1000 U	890 U	1100 U	930 U	910 U	1100 U	930 U	910 U	1100 U	950 U
2-Chloronaphthalene	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
2-Nitroaniline	ug/Kg	1000 U	890 U	1100 U	930 U	910 U	1100 U	930 U	910 U	1100 U	950 U
Dimethylphthalate	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
Acenaphthylene	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
2,6-Dinitrotoluene	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
3-Nitroaniline	ug/Kg	1000 U	890 U	1100 U	930 U	910 U	1100 U	930 U	910 U	1100 U	950 U
Acenaphthene	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
2,4-Dinitrophenol	ug/Kg	1000 U	890 U	1100 U	930 U	910 U	1100 U	930 U	910 U	1100 U	950 U
4-Nitrophenol	ug/Kg	1000 U	890 U	1100 U	930 U	910 U	1100 U	930 U	910 U	1100 U	950 U
Dibenzofuran	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
2,4-Dinitrotoluene	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
Diethylphthalate	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
4-Chlorophenyl-phenylether	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
Fluorene	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
4-Nitroaniline	ug/Kg	1000 U	890 U	1100 U	930 U	910 U	1100 U	930 U	910 U	1100 U	950 U
4,6-Dinitro-2-methylphenol	ug/Kg	1000 U	890 U	1100 U	930 U	910 U	1100 U	930 U	910 U	1100 U	950 U
N-Nitrosodiphenylamine	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
4-Bromophenyl-phenylether	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
Hexachlorobenzene	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
Pentachlorophenol	ug/Kg	1000 U	890 U	1100 U	930 U	910 U	1100 U	930 U	910 U	1100 U	950 U
Phenanthrene	ug/Kg	420 U	370 U	100 J	29 J	370 U	34 J	380 U	370 U	460 U	390 U
Anthracene	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
Carbazole	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
Di-n-butylphthalate	ug/Kg	420 U	370 U	77 J	46 J	75 J	76 J	32 J	74 J	54 J	390 U
Fluoranthene	ug/Kg	420 U	370 U	140 J	25 J	370 U	52 J	380 U	370 U	39 J	390 U
Pyrene	ug/Kg	420 U	370 U	100 J	380 U	370 U	41 J	380 U	370 U	41 J	390 U
Butylbenzylphthalate	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
3,3'-Dichlorobenzidine	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
Benzo(a)anthracene	ug/Kg	420 U	370 U	66 J	380 U	370 U	43 J	380 U	370 U	460 U	390 U
Chrysene	ug/Kg	420 U	370 U	97 J	28 J	370 U	47 J	380 U	370 U	460 U	390 U
bis(2-Ethylhexyl)phthalate	ug/Kg	1100	34 J	450 U	380 U	370 U	440 U	380 U	370 U	66 J	58 J
Di-n-octylphthalate	ug/Kg	420 U	370 U	450 U	380 U	370 U	75 J	380 U	370 U	460 U	390 U
Benzo(b)fluoranthene	ug/Kg	420 U	370 U	160 J	22 J	370 U	48 J	380 U	370 U	460 U	390 U
Benzo(k)fluoranthene	ug/Kg	420 U	370 U	450 UJ	21 J	370 U	47 J	380 U	370 U	460 U	390 U
Benzo(a)pyrene	ug/Kg	420 U	370 U	64 J	23 J	370 U	47 J	380 U	370 U	460 U	390 U
Indeno(1,2,3-cd)pyrene	ug/Kg	420 U	370 U	53 J	380 U	370 U	43 J	380 U	370 U	460 U	390 U
Dibenz(a,h)anthracene	ug/Kg	420 U	370 U	34 J	380 U	370 U	33 J	380 U	370 U	460 U	390 U
Benzo(g,h,i)perylene	ug/Kg	420 U	370 U	41 J	22 J	370 U	46 J	380 U	370 U	460 U	390 U

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	0.2-2.0	2-4	0-0.2	2-4	4-6	0-0.2	0.2-2	2-4	0-0.2	0.2-2.0
	SAMPLE DATE	06/24/94	06/24/94	06/25/94	06/25/94	06/25/94	06/25/94	06/25/94	06/25/94	06/24/94	06/24/94
	ES ID	SB64D-4-01	SB64D-4-02	SB64D-5.00	SB64D-5.02	SB64D-5.03	SB64D-6.00	SB64D-6.01	SB64D-6.02	SB64D-7-00	SB64D-7-01
	LAB ID	225523	225524	225570	225571	225572	225573	225574	225575	225525	225526
	SDG NUMBER	45048	45048	45058	45058	45058	45058	45058	45058	45048	45048
COMPOUND	UNITS										
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2.2 U	1.9 U	2.3 U	2 U	1.9 U	2.3 U	2 U	1.9 U	2.4 U	2 U
beta-BHC	ug/Kg	2.2 U	1.9 U	2.3 U	2 U	1.9 U	2.3 U	2 U	1.9 U	2.4 U	2 U
delta-BHC	ug/Kg	2.2 U	1.9 U	2.3 U	2 U	1.9 U	2.3 U	2 U	1.9 U	2.4 U	2 U
gamma-BHC (Lindane)	ug/Kg	2.2 U	1.9 U	2.3 U	2 U	1.9 U	2.3 U	2 U	1.9 U	2.4 U	2 U
Heptachlor	ug/Kg	2.2 U	1.9 U	2.3 U	2 U	1.9 U	2.3 U	2 U	1.9 U	2.4 U	2 U
Aldrin	ug/Kg	2.2 U	1.9 U	2.3 U	2 U	1.9 U	2.3 U	2 U	1.9 U	2.4 U	2 U
Heptachlor epoxide	ug/Kg	2.2 U	1.9 U	2.3 U	2 U	1.9 U	2.3 U	2 U	1.9 U	2.4 U	2 U
Endosulfan I	ug/Kg	2.2 U	1.9 U	2.3 U	2 U	1.9 U	2.3 U	2 U	1.9 U	2.4 U	2 U
Dieldrin	ug/Kg	4.2 U	3.7 U	4.5 U	3.8 U	3.7 U	4.4 U	3.8 U	3.7 U	4.6 U	3.9 U
4,4'-DDE	ug/Kg	4.2 U	3.7 U	4.5 U	3.8 U	3.7 U	4.4 U	3.8 U	3.7 U	4.6 U	3.9 U
Endrin	ug/Kg	4.2 U	3.7 U	4.5 U	3.8 U	3.7 U	4.4 U	3.8 U	3.7 U	4.6 U	3.9 U
Endosulfan II	ug/Kg	4.2 U	3.7 U	4.5 U	3.8 U	3.7 U	4.4 U	3.8 U	3.7 U	4.6 U	3.9 U
4,4'-DDD	ug/Kg	4.2 U	3.7 U	4.5 U	3.8 U	3.7 U	4.4 U	3.8 U	3.7 U	4.6 U	3.9 U
Endosulfan sulfate	ug/Kg	4.2 U	3.7 U	4.5 U	3.8 U	3.7 U	4.4 U	3.8 U	3.7 U	4.6 U	3.9 U
4,4'-DDT	ug/Kg	4.2 U	3.7 U	4.5 U	3.8 U	3.7 U	4.4 U	3.8 U	3.7 U	4.6 U	3.9 U
Methoxychlor	ug/Kg	22 U	19 U	23 U	20 U	19 U	23 U	20 U	19 U	24 U	20 U
Endrin ketone	ug/Kg	4.2 U	3.7 U	4.5 U	3.8 U	3.7 U	4.4 U	3.8 U	3.7 U	4.6 U	3.9 U
Endrin aldehyde	ug/Kg	4.2 U	3.7 U	4.5 U	3.8 U	3.7 U	4.4 U	3.8 U	3.7 U	4.6 U	3.9 U
alpha-Chlordane	ug/Kg	2.2 U	1.9 U	2.3 U	2 U	1.9 U	2.3 U	2 U	1.9 U	2.4 U	2 U
gamma-Chlordane	ug/Kg	2.2 U	1.9 U	2.3 U	2 U	1.9 U	2.3 U	2 U	1.9 U	2.4 U	2 U
Toxaphene	ug/Kg	220 U	190 U	230 U	200 U	190 U	230 U	200 U	190 U	240 U	200 U
Aroclor-1016	ug/Kg	42 U	37 U	45 U	38 U	37 U	44 U	38 U	37 U	46 U	39 U
Aroclor-1221	ug/Kg	86 U	74 U	91 U	78 U	76 U	89 U	78 U	76 U	94 U	80 U
Aroclor-1232	ug/Kg	42 U	37 U	45 U	38 U	37 U	44 U	38 U	37 U	46 U	39 U
Aroclor-1242	ug/Kg	42 U	37 U	45 U	38 U	37 U	44 U	38 U	37 U	46 U	39 U
Aroclor-1248	ug/Kg	42 U	37 U	45 U	38 U	37 U	44 U	38 U	37 U	46 U	39 U
Aroclor-1254	ug/Kg	42 U	37 U	45 U	38 U	37 U	44 U	38 U	37 U	46 U	39 U
Aroclor-1260	ug/Kg	42 U	37 U	45 U	38 U	37 U	44 U	38 U	37 U	46 U	39 U
METALS											
Aluminum	mg/Kg	20100	9770	16400	16900	20800	14500	18900	12200	17700	17500
Antimony	mg/Kg	0.3 UJ	0.21 UJ	0.49 J	0.24 UJ	0.28 UJ	0.22 J	0.23 UJ	0.22 UJ	0.25 UJ	0.25 UJ
Arsenic	mg/Kg	6.9	4.3	5.8 J	6 J	6 J	5.6 J	5.5 J	3.4 J	5.7	5.7
Barium	mg/Kg	114	62.7	116	123	110	113	152	59.1	127	124
Beryllium	mg/Kg	0.81 J	0.46 J	0.88 J	0.8 J	0.87 J	0.72 J	0.88 J	0.56 J	0.82 J	0.85 J
Cadmium	mg/Kg	0.4 J	0.41 J	0.75 J	0.43 J	0.4 J	0.48 J	0.45 J	0.35 J	0.49 J	0.42 J
Calcium	mg/Kg	11800 J	130000 J	4770	3260	2760	3700	3630	30500	5980 J	3690 J
Chromium	mg/Kg	27.7	14.3	22.4	23.3	29.6	20	24	19.5	23.9	24.1
Cobalt	mg/Kg	13.6	9.7	10.5 J	11.4	12.9	10.1	10.7	11.1	11.5	12.2
Copper	mg/Kg	25.2	17.5	22.7	21.6	23.7	27.2	24.9	17	32.7	28.5
Iron	mg/Kg	34800	20500	25600	29000	34600	24300	28200	25300	30100	34400
Lead	mg/Kg	15.6 J	7.4 J	29.9	13.5	13.4	16.4	13.1	6.1	18.9 J	15.8 J
Magnesium	mg/Kg	5330	9290	3970	4540	6030	3980	4650	7390	4350	4980
Manganese	mg/Kg	859	751	698	851	638	627	851	645	776	830
Mercury	mg/Kg	0.06 J	0.02 J	0.14 R	0.07 J R	0.04 J R	0.06 J R	0.06 J R	0.01 U	0.07 J	0.05
Nickel	mg/Kg	35.6	24.8	25.7	28.2	39.5	24.7	26.1	30.8	28	30.5
Potassium	mg/Kg	2020 J	1520 J	3240 J	2470 J	3090 J	2170 J	2340 J	1220 J	2550 J	1670 J
Selenium	mg/Kg	1.1 J	0.51 J	1.6	1.1	1.2	0.94	1.2	0.46 U	1.2	1.7
Silver	mg/Kg	0.12 U	0.08 U	0.12 U	0.09 U	0.11 U	0.08 U	0.09 U	0.09 U	0.09 U	0.1 U
Sodium	mg/Kg	28.6 J	90.4 J	71.2 J	90 J	99.7 J	75 J	94.9 J	170 J	27.5 J	22.6 J
Thallium	mg/Kg	0.44 U	0.31 U	0.65 J	0.5 J	0.53 J	0.74 J	0.34 U	0.33 U	0.47 J	0.37 U
Vanadium	mg/Kg	30.8	14.4	26.6	26.4	32	24.9	31.9	16.6	28.3	27.2
Zinc	mg/Kg	88.3	63.9	111 J	83.3 J	101 J	70.3 J	77 J	60.7 J	90.8	86
Cyanide	mg/Kg	0.59 U	0.55 U	0.61 UJ	0.51 UJ	0.51 UJ	0.65 UJ	0.55 UJ	0.55 UJ	0.67 U	0.45 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	78.5	89.9	73.6	85.9	88.2	75.2	85.8	88	71.2	83.8

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

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

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

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

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	2-4	0-0.2	0-0.2	0.2-2.0	2-4	0-0.2	0.2-2	2-4	0-0.2	0.2-2
	SAMPLE DATE	06/24/94	06/24/94	06/24/94	06/24/94	06/24/94	06/25/94	06/25/94	06/25/94	06/25/94	06/25/94
	ES ID	SB64D-7-02	SB64D-8-00	SB64D-8-00RE	SB64D-8-01	SB64D-8-02	SB64D-9.00	SB64D-9.01	SB64D-9.02	SB64D-10.00	SB64D-10.01
	LAB ID	225527	225528	225528	225529	225530	225576	225577	225578	225579	225580
	SDG NUMBER	45048	45048	45048	45048	45048	45058	45058	45058	45058	45058
COMPOUND	UNITS										
PESTICIDES/PCB											
alpha-BHC	ug/Kg	1.8 U	2.3 U		2 U	1.9 U	2.3 UJ	2.1 U	1.9 U	2.4 U	2.1 U
beta-BHC	ug/Kg	1.8 U	2.3 U		2 U	1.9 U	2.3 UJ	2.1 U	1.9 U	2.4 U	2.1 U
delta-BHC	ug/Kg	1.8 U	2.3 U		2 U	1.9 U	2.3 UJ	2.1 U	1.9 U	2.4 U	2.1 U
gamma-BHC (Lindane)	ug/Kg	1.8 U	2.3 U		2 U	1.9 U	2.3 UJ	2.1 U	1.9 U	2.4 U	2.1 U
Heptachlor	ug/Kg	1.8 U	2.3 U		2 U	1.9 U	2.3 UJ	2.1 U	1.9 U	2.4 U	2.1 U
Aldrin	ug/Kg	1.8 U	2.3 U		2 U	1.9 U	2.3 UJ	2.1 U	1.9 U	2.4 U	2.1 U
Heptachlor epoxide	ug/Kg	1.8 U	2.3 U		2 U	1.9 U	2.3 UJ	2.1 U	1.9 U	2.4 U	2.1 U
Endosulfan I	ug/Kg	1.8 U	2.3 U		2 U	1.9 U	2.3 UJ	2.1 U	1.9 U	2.4 U	2.1 U
Dieldrin	ug/Kg	3.6 U	4.5 U		3.8 U	3.7 U	4.5 UJ	4 U	3.6 U	4.6 U	4 U
4,4'-DDE	ug/Kg	3.6 U	4.5 U		3.8 U	3.7 U	4.5 UJ	4 U	3.6 U	4.6 U	4 U
Endrin	ug/Kg	3.6 U	4.5 U		3.8 U	3.7 U	4.5 UJ	4 U	3.6 U	4.6 U	4 U
Endosulfan II	ug/Kg	3.6 U	4.5 U		3.8 U	3.7 U	4.5 UJ	4 U	3.6 U	4.6 U	4 U
4,4'-DDD	ug/Kg	3.6 U	4.5 U		3.8 U	3.7 U	4.5 UJ	4 U	3.6 U	4.6 U	4 U
Endosulfan sulfate	ug/Kg	3.6 U	4.5 U		3.8 U	3.7 U	4.5 UJ	4 U	3.6 U	4.6 U	4 U
4,4'-DDT	ug/Kg	3.6 U	4.5 U		3.8 U	3.7 U	4.5 UJ	4 U	3.6 U	4.6 U	4 U
Methoxychlor	ug/Kg	18 U	23 U		20 U	19 U	23 UJ	21 U	19 U	24 U	21 U
Endrin ketone	ug/Kg	3.6 U	4.5 U		3.8 U	3.7 U	4.5 UJ	4 U	3.6 U	4.6 U	4 U
Endrin aldehyde	ug/Kg	3.6 U	4.5 U		3.8 U	3.7 U	4.5 UJ	4 U	3.6 U	4.6 U	4 U
alpha-Chlordane	ug/Kg	1.8 U	2.3 U		2 U	1.9 U	2.3 UJ	2.1 U	1.9 U	2.4 U	2.1 U
gamma-Chlordane	ug/Kg	1.8 U	2.3 U		2 U	1.9 U	2.3 UJ	2.1 U	1.9 U	2.4 U	2.1 U
Toxaphene	ug/Kg	180 U	230 U		200 U	190 U	230 UJ	210 U	190 U	240 U	210 U
Aroclor-1016	ug/Kg	36 U	45 U		38 U	37 U	45 UJ	40 U	36 U	46 U	40 U
Aroclor-1221	ug/Kg	73 U	91 U		78 U	74 U	91 UJ	82 U	74 U	94 U	82 U
Aroclor-1232	ug/Kg	36 U	45 U		38 U	37 U	45 UJ	40 U	36 U	46 U	40 U
Aroclor-1242	ug/Kg	36 U	45 U		38 U	37 U	45 UJ	40 U	36 U	46 U	40 U
Aroclor-1248	ug/Kg	36 U	45 U		38 U	37 U	45 UJ	40 U	36 U	46 U	40 U
Aroclor-1254	ug/Kg	36 U	45 U		38 U	37 U	45 UJ	40 U	36 U	46 U	40 U
Aroclor-1260	ug/Kg	36 U	45 U		38 U	37 U	45 UJ	40 U	36 U	46 U	40 U
METALS											
Aluminum	mg/Kg	13000	16100		15500	12400	13800 UJ	15800 J	12600	12100	19900
Antimony	mg/Kg	0.24 UJ	0.28 UJ		0.22 UJ	0.27 UJ	0.31 UJ	0.25 J	0.33 J	0.28 UJ	0.26 UJ
Arsenic	mg/Kg	3.7	5.8		4.5	5.3	6 J	6.7 J	5.2 J	4.6 J	7.8 J
Barium	mg/Kg	59.3	116		85	65.6	110	107	62.5	100	147
Beryllium	mg/Kg	0.6 J	0.81 J		0.68 J	0.56 J	0.82 J	0.84 J	0.61 J	0.66 J	0.99 J
Cadmium	mg/Kg	0.46 J	0.61 J		0.49 J	0.44 J	0.53 J	0.51 J	0.38 J	0.43 J	0.56 J
Calcium	mg/Kg	80900 J	10900 J		29700 J	64000 J	3090	16300	47700	4750	5810
Chromium	mg/Kg	19	23.3		21.3	19.3	20.2	23.7	19.9	16.7	27.5
Cobalt	mg/Kg	11.7	13.9		10.8	12.7	11.2 J	12.8	9.8 J	8.5 J	11.9
Copper	mg/Kg	17.2	28		21.2	22.4	30.4	28.3	23.5	25	26.8
Iron	mg/Kg	26600	32500		28200	28600	25500	32500	26000	21000	36200
Lead	mg/Kg	13.8 J	32.5 J		9.9 J	9 J	19.1	12.6	9.7	17.5	13.6
Magnesium	mg/Kg	5810	5740		6010	8170	3620	4850	5700	3140	5180
Manganese	mg/Kg	642	1040		659	748	973	971	539	684	776
Mercury	mg/Kg	0.04 J	0.06 J		0.04 J	0.02 J	0.06 J R	0.47 R	0.09 J R	0.11 J R	0.06 J R
Nickel	mg/Kg	29.5	34.4		29.4	34.7	25.1	34	31.5	18.1	35.3
Potassium	mg/Kg	1790 J	2030 J		1840 J	1390 J	1970 J	1530 J	1540 J	1670 J	2300 J
Selenium	mg/Kg	0.62 J	1.9		1.3	0.55 U	1 J	1.2	0.54 U	1.3	1.3
Silver	mg/Kg	0.09 U	0.11 U		0.08 U	0.1 U	0.12 U	0.09 U	0.1 U	0.11 U	0.1 U
Sodium	mg/Kg	90.6 J	21.3 U		37.3 J	94.7 J	103 J	101 J	148 J	97.3 J	108 J
Thallium	mg/Kg	0.57 J	0.57 J		0.32 U	0.39 U	0.66 J	0.76 J	0.38 U	0.49 J	0.62 J
Vanadium	mg/Kg	16.7	23.9		22.3	16.7	23.7	23.9	19.1	21.4	35.3
Zinc	mg/Kg	69.8	106		85.2	85.9	72.9 J	81.8 J	75.7 J	61.8 J	89.4 J
Cyanide	mg/Kg	0.51 U	0.67 U		0.57 U	0.51 U	0.67 UJ	0.57 UJ	0.51 UJ	0.67 UJ	0.56 UJ
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	92.3	73.6		86	89.5	73.9	82.4	91	71.1	82.2

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

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

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

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

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

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

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

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

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

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

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

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	SAMPLE DATE	07/19/94	07/21 & 22/94	07/07/94	07/10/94	07/10/94	07/10/94	07/11/94	07/21/94	07/21/94	07/21/94
	ES ID	MW64A-1	MW64A-2	MW64A-3	MW64B-1	MW64B-2	MW64B-3	MW64C-1	MW64C-6	MW64C-7	MW64C-8
	LAB ID	227451	227730, 227	226306	226485	226486	226487	226668	227733	227734	227735
	SDG NUMBER	45448	45448	45257	45282	45282	45282	45282	45448	45448	45448
	UNITS										
PESTICIDES/PCB											
alpha-BHC	ug/L	0.051 U	0.052 U	0.051 U	0.05 U	0.056 U	0.051 U	0.051 U	0.054 U	0.054 U	0.054 U
beta-BHC	ug/L	0.051 U	0.052 U	0.051 U	0.05 U	0.056 U	0.051 U	0.051 U	0.054 U	0.054 U	0.054 U
delta-BHC	ug/L	0.051 U	0.052 U	0.051 U	0.05 U	0.056 U	0.051 U	0.051 U	0.054 U	0.054 U	0.054 U
gamma-BHC (Lindane)	ug/L	0.051 U	0.052 U	0.051 U	0.05 U	0.056 U	0.051 U	0.051 U	0.054 U	0.054 U	0.054 U
Heptachlor	ug/L	0.051 U	0.052 U	0.051 U	0.05 U	0.056 U	0.051 U	0.051 U	0.054 U	0.054 U	0.054 U
Aldrin	ug/L	0.051 U	0.052 U	0.051 U	0.05 U	0.056 U	0.051 U	0.051 U	0.054 U	0.054 U	0.054 U
Heptachlor epoxide	ug/L	0.051 U	0.052 U	0.051 U	0.05 U	0.056 U	0.051 U	0.051 U	0.054 U	0.054 U	0.054 U
Endosulfan I	ug/L	0.051 U	0.052 U	0.051 U	0.05 U	0.056 U	0.051 U	0.051 U	0.054 U	0.054 U	0.054 U
Dieldrin	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U
4,4'-DDE	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U
Endrin	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U
Endosulfan II	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U
4,4'-DDD	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U
Endosulfan sulfate	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U
4,4'-DDT	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U
Methoxychlor	ug/L	0.51 U	0.52 U	0.51 U	0.5 U	0.56 U	0.51 U	0.51 U	0.54 U	0.54 U	0.54 U
Endrin ketone	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U
Endrin aldehyde	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U
alpha-Chlordane	ug/L	0.051 U	0.052 U	0.051 U	0.05 U	0.056 U	0.051 U	0.051 U	0.054 U	0.054 U	0.054 U
gamma-Chlordane	ug/L	0.051 U	0.052 U	0.051 U	0.05 U	0.056 U	0.051 U	0.051 U	0.054 U	0.054 U	0.054 U
Toxaphene	ug/L	5.1 U	5.2 U	5.1 U	5 U	5.6 U	5.1 U	5.1 U	5.4 U	5.4 U	5.4 U
Aroclor-1016	ug/L	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U
Aroclor-1221	ug/L	2 U	2.1 U	2 U	2 U	2.2 U	2 U	2 U	2.1 U	2.2 U	2.1 U
Aroclor-1232	ug/L	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U
Aroclor-1242	ug/L	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U
Aroclor-1248	ug/L	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U
Aroclor-1254	ug/L	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U
Aroclor-1260	ug/L	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U
METALS											
Aluminum	ug/L	398	1710	379	198 J	51.9 J	1530	811	29.3 J	174 J	211
Antimony	ug/L	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Arsenic	ug/L	2 U	2 U	2 U	2 U	2 U	2.2 J	2 U	2 U	2 U	2 U
Barium	ug/L	42 J	74.5 J	53.4 J	104 J	124 J	84.4 J	65.1 J	44 J	106 J	95.9 J
Beryllium	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cadmium	ug/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	ug/L	109000	148000	143000	138000	131000	200000	115000	92500	90900	119000
Chromium	ug/L	0.49 J	3.8 J	0.46 J	0.41 J	0.4 U	3.1 J	2.5 J	0.4 U	0.4 J	0.43 J
Cobalt	ug/L	0.5 U	4.7 J	0.5 U	1.1 J	0.51 J	4.4 J	0.85 J	0.5 U	0.6 J	5.5 J
Copper	ug/L	0.61 J	1.4 J	0.97 J	1 J	0.56 J	3.1 J	1.7 J	0.59 J	0.53 J	0.67 J
Iron	ug/L	773 J	3340 J	539	400	108	5090	2640	78.3 J	311 J	375 J
Lead	ug/L	0.89 U	0.9 U	0.9 U	0.9 U	0.89 U	0.89 U	0.9 U	6.4	0.89 U	0.89 U
Magnesium	ug/L	16800	23400	20700	45600	39600	76000	44200	27900	22000	22100
Manganese	ug/L	28.3	2040	40.6	98.9	54	559	149	69.9	18	17
Mercury	ug/L	0.04 J	0.06 J	0.04 J	0.04 U	0.04 U	0.04 U	0.04 U	0.14 J	0.06 J	0.07 J
Nickel	ug/L	1 J	9.6 J	1.9 J	1.4 J	0.74 J	7 J	2.3 J	0.7 U	1 J	0.7 U
Potassium	ug/L	1790 J	15000 J	2010 J	4780 J	4570 J	4480 J	3830 J	1140 J	942 J	794 J
Selenium	ug/L	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 J	2.7 U	2.7 U	2.7 U	2.7 U
Silver	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Sodium	ug/L	2180 J	13000	10000	8140	9190	17800	5860	4240 J	2880 J	30400
Thallium	ug/L	1.9 U	3.3 J	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.1 J
Vanadium	ug/L	1.3 J	3 J	0.65 J	0.73 J	0.61 J	2.9 J	2 J	0.67 J	0.63 J	0.81 J
Zinc	ug/L	3.9 J	16 J	5.8 J	3.9 J	2.8 J	16.6 J	6 J	5.8 J	5.6 J	5.6 J
Cyanide	ug/L	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/L										
Total Petroleum Hydrocarbons	mg/L										
pH	Standard Units	7.4	7.4	7	8.4	8.2	7.4	7.1	7.6	6.4	6.9
Conductivity	umhos/cm	500	950	620	710	710	1010	520	500	450	725
Temperature	°C	15	21.6	13.6	12.9	14.5	11.6	11.2	15.4	15.3	17.3
Turbidity	NTU	15	80	120	14	3.3	331	88	0.9	10.6	12.1

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

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

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

	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	SAMPLE DATE	07/10/94	07/08/94	07/09/94	07/08/94	07/08/94	07/18/94
	ES ID	MW64C-9	MW64D-1	MW64D-2	MW64D-3	MW64D-4	MW64D-5
	LAB ID	226484	226385	226386	226387	226388	227269
	SDG NUMBER	45282	45257	45257	45257	45257	45332
COMPOUND	UNITS	Also labelled MW-9					
SEMIVOLATILE ORGANICS							
Phenol	ug/L	2 J	10 U	11 U	10 U	10 U	10 U
bis(2-Chloroethyl) ether	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
2-Chlorophenol	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
1,3-Dichlorobenzene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
1,4-Dichlorobenzene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
1,2-Dichlorobenzene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
2-Methylphenol	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
4-Methylphenol	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Hexachloroethane	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Nitrobenzene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Isophorone	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
2-Nitrophenol	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
2,4-Dimethylphenol	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
bis(2-Chloroethoxy) methane	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
2,4-Dichlorophenol	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Naphthalene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
4-Chloroaniline	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Hexachlorobutadiene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
2-Methylnaphthalene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	ug/L	29 U	26 U	26 U	25 U	26 U	26 U
2-Chloronaphthalene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
2-Nitroaniline	ug/L	29 U	26 U	26 U	25 U	26 U	26 U
Dimethylphthalate	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Acenaphthylene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
2,6-Dinitrotoluene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
3-Nitroaniline	ug/L	29 U	26 U	26 U	25 U	26 U	26 U
Acenaphthene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
2,4-Dinitrophenol	ug/L	29 U	26 U	26 U	25 U	26 U	26 U
4-Nitrophenol	ug/L	29 U	26 U	26 U	25 U	26 U	26 U
Dibenzofuran	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
2,4-Dinitrotoluene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Diethylphthalate	ug/L	0.7 J	10 U	11 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Fluorene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
4-Nitroaniline	ug/L	29 U	26 U	26 U	25 U	26 U	26 U
4,6-Dinitro-2-methylphenol	ug/L	29 U	26 U	26 U	25 U	26 U	26 U
N-Nitrosodiphenylamine	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Hexachlorobenzene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Pentachlorophenol	ug/L	29 U	26 U	26 U	25 U	26 U	26 U
Phenanthrene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Anthracene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Carbazole	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Di-n-butylphthalate	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Fluoranthene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Pyrene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Butylbenzylphthalate	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Benzo(a)anthracene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Chrysene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	20 U	10 U	11 U	10 U	10 U	10 U
Di-n-octylphthalate	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Benzo(b)fluoranthene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Benzo(k)fluoranthene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Benzo(a)pyrene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U

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

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	SAMPLE DATE	07/10/94	07/08/94	07/09/94	07/08/94	07/08/94	07/18/94
	ES ID	MW64C-9	MW64D-1	MW64D-2	MW64D-3	MW64D-4	MW64D-5
	LAB ID	226484	226385	226386	226387	226388	227269
	SDG NUMBER	45282	45257	45257	45257	45257	45332
	UNITS	Also labelled MW-9					
PESTICIDES/PCB							
alpha-BHC	ug/L	0.051 U	0.056 U	0.052 U	0.051 U	0.054 U	0.052 UJ
beta-BHC	ug/L	0.051 U	0.056 U	0.052 U	0.051 U	0.054 U	0.052 UJ
delta-BHC	ug/L	0.051 U	0.056 U	0.052 U	0.051 U	0.054 U	0.052 UJ
gamma-BHC (Lindane)	ug/L	0.051 U	0.056 U	0.052 U	0.051 U	0.054 U	0.052 UJ
Heptachlor	ug/L	0.051 U	0.056 U	0.052 U	0.051 U	0.054 U	0.052 UJ
Aldrin	ug/L	0.051 U	0.056 U	0.052 U	0.051 U	0.054 U	0.052 UJ
Heptachlor epoxide	ug/L	0.051 U	0.056 U	0.052 U	0.051 U	0.054 U	0.052 UJ
Endosulfan I	ug/L	0.051 U	0.056 U	0.052 U	0.051 U	0.054 U	0.052 UJ
Dieldrin	ug/L	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.1 UJ
4,4'-DDE	ug/L	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.1 UJ
Endrin	ug/L	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.1 UJ
Endosulfan II	ug/L	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.1 UJ
4,4'-DDD	ug/L	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.1 UJ
Endosulfan sulfate	ug/L	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.1 UJ
4,4'-DDT	ug/L	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.1 UJ
Methoxychlor	ug/L	0.51 U	0.56 U	0.52 U	0.51 U	0.54 U	0.52 UJ
Endrin ketone	ug/L	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.1 UJ
Endrin aldehyde	ug/L	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.1 UJ
alpha-Chlordane	ug/L	0.051 U	0.056 U	0.052 U	0.051 U	0.054 U	0.052 UJ
gamma-Chlordane	ug/L	0.051 U	0.056 U	0.052 U	0.051 U	0.054 U	0.052 UJ
Toxaphene	ug/L	5.1 U	5.6 U	5.2 U	5.1 U	5.4 U	5.2 UJ
Aroclor-1016	ug/L	1 U	1.1 U	1 U	1 U	1.1 U	1 UJ
Aroclor-1221	ug/L	2 U	2.2 U	2.1 U	2 U	2.2 U	2.1 UJ
Aroclor-1232	ug/L	1 U	1.1 U	1 U	1 U	1.1 U	1 UJ
Aroclor-1242	ug/L	1 U	1.1 U	1 U	1 U	1.1 U	1 UJ
Aroclor-1248	ug/L	1 U	1.1 U	1 U	1 U	1.1 U	1 UJ
Aroclor-1254	ug/L	1 U	1.1 U	1 U	1 U	1.1 U	1 UJ
Aroclor-1260	ug/L	1 U	1.1 U	1 U	1 U	1.1 U	1 UJ
METALS							
Aluminum	ug/L	38.2 J	177 J	1390	453	494	30100 J
Antimony	ug/L	1.3 U	1.3 U	1.3 U	1.5 J	1.3 U	1.3 U
Arsenic	ug/L	2 U	2 U	2 U	2 U	2 U	10
Barium	ug/L	20.4 J	88.6 J	62.8 J	75.9 J	63 J	693
Beryllium	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	3.1 J
Cadmium	ug/L	0.2 U	0.2 U	0.2 U	1.3 J	0.2 U	1 J
Calcium	ug/L	121000	142000	122000	120000	140000	902000
Chromium	ug/L	0.4 U	0.4 U	1.5 J	0.63 J	0.42 J	47.1
Cobalt	ug/L	0.5 U	0.69 J	2.8 J	1.5 J	1.4 J	82.3
Copper	ug/L	0.55 J	0.5 U	3.9 J	2 J	0.68 J	41.3
Iron	ug/L	681	440	1730	538	552	65800
Lead	ug/L	0.9 U	0.9 U	1.2 J	0.89 U	0.89 U	71.6
Magnesium	ug/L	49400	14800	13000	14800	13200	35900
Manganese	ug/L	96	223	456	86.6	106	8250
Mercury	ug/L	0.04 U	0.04 U	0.04 U	0.04 U	0.04 J	0.05 J
Nickel	ug/L	1.2 J	1.4 J	4.1 J	1.1 J	1.5 J	108
Potassium	ug/L	1670 J	3340 J	3240 J	1770 J	1280 J	7080 J
Selenium	ug/L	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Silver	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Sodium	ug/L	6420	12300	4490 J	6520	3350 J	4390 J
Thallium	ug/L	1.9 U	2.2 J	1.9 U	3.2 J	1.9 U	2.1 J
Vanadium	ug/L	0.61 J	0.69 J	2.1 J	0.9 J	0.69 J	42.9 J
Zinc	ug/L	3.9 J	3.8 J	12.4 J	14.4 J	6.5 J	305
Cyanide	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
OTHER ANALYSES							
Nitrate/Nitrite-Nitrogen	mg/L						
Total Petroleum Hydrocarbons	mg/L						
pH	Standard Units	8.6	7.2	7.9	7.5	7.3	7.8
Conductivity	umhos/cm	690	725	490	550	595	550
Temperature	°C	12.4	22	15.6	16.9	15.2	15.3
Turbidity	NTU	2.4	1.5	181	127	141	>200

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

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

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

	MATRIX	WATER	WATER	WATER
	LOCATION	SEAD-64	SEAD-64	SEAD-64
	SAMPLE DATE	04/18/94	04/18/94	04/18/94
	ES ID	SW64B-1	SW64B-2	SW64B-3
	LAB ID	218294	218295	218296
	SDG NUMBER	43626	43626	43626
COMPOUND	UNITS			
SEMIVOLATILE ORGANICS				
Phenol	ug/L	11 U	11 U	10 U
bis(2-Chloroethyl) ether	ug/L	11 U	11 U	10 U
2-Chlorophenol	ug/L	11 U	11 U	10 U
1,3-Dichlorobenzene	ug/L	11 U	11 U	10 U
1,4-Dichlorobenzene	ug/L	11 U	11 U	10 U
1,2-Dichlorobenzene	ug/L	11 U	11 U	10 U
2-Methylphenol	ug/L	11 U	11 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	11 U	11 U	10 U
4-Methylphenol	ug/L	11 U	11 U	10 U
N-Nitroso-di-n-propylamine	ug/L	11 U	11 U	10 U
Hexachloroethane	ug/L	11 U	11 U	10 U
Nitrobenzene	ug/L	11 U	11 U	10 U
Isophorone	ug/L	11 U	11 U	10 U
2-Nitrophenol	ug/L	11 U	11 U	10 U
2,4-Dimethylphenol	ug/L	11 U	11 U	10 U
bis(2-Chloroethoxy) methane	ug/L	11 U	11 U	10 U
2,4-Dichlorophenol	ug/L	11 U	11 U	10 U
1,2,4-Trichlorobenzene	ug/L	11 U	11 U	10 U
Naphthalene	ug/L	11 U	11 U	10 U
4-Chloroaniline	ug/L	11 U	11 U	10 U
Hexachlorobutadiene	ug/L	11 U	11 U	10 U
4-Chloro-3-methylphenol	ug/L	11 U	11 U	10 U
2-Methylnaphthalene	ug/L	11 U	11 U	10 U
Hexachlorocyclopentadiene	ug/L	11 U	11 U	10 U
2,4,6-Trichlorophenol	ug/L	11 U	11 U	10 U
2,4,5-Trichlorophenol	ug/L	27 U	28 U	26 U
2-Chloronaphthalene	ug/L	11 U	11 U	10 U
2-Nitroaniline	ug/L	27 U	28 U	26 U
Dimethylphthalate	ug/L	11 U	11 U	10 U
Acenaphthylene	ug/L	11 U	11 U	10 U
2,6-Dinitrotoluene	ug/L	11 U	11 U	10 U
3-Nitroaniline	ug/L	27 U	28 U	26 U
Acenaphthene	ug/L	11 U	11 U	10 U
2,4-Dinitrophenol	ug/L	27 U	28 U	26 U
4-Nitrophenol	ug/L	27 U	28 U	26 U
Dibenzofuran	ug/L	11 U	11 U	10 U
2,4-Dinitrotoluene	ug/L	11 U	11 U	10 U
Diethylphthalate	ug/L	11 U	11 U	10 U
4-Chlorophenyl-phenylether	ug/L	11 U	11 U	10 U
Fluorene	ug/L	11 U	11 U	10 U
4-Nitroaniline	ug/L	27 U	28 U	26 U
4,6-Dinitro-2-methylphenol	ug/L	27 U	28 U	26 U
N-Nitrosodiphenylamine	ug/L	11 U	11 U	10 U
4-Bromophenyl-phenylether	ug/L	11 U	11 U	10 U
Hexachlorobenzene	ug/L	11 U	11 U	10 U
Pentachlorophenol	ug/L	27 U	28 U	26 U
Phenanthrene	ug/L	11 U	11 U	10 U
Anthracene	ug/L	11 U	11 U	10 U
Carbazole	ug/L	11 U	11 U	10 U
Di-n-butylphthalate	ug/L	11 U	11 U	10 U
Fluoranthene	ug/L	11 U	11 U	10 U
Pyrene	ug/L	11 U	11 U	10 U
Butylbenzylphthalate	ug/L	11 U	11 U	10 U
3,3'-Dichlorobenzidine	ug/L	11 U	11 U	10 U
Benzo(a)anthracene	ug/L	11 U	11 U	10 U
Chrysene	ug/L	11 U	11 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	11 U	14 U	13 U
Di-n-octylphthalate	ug/L	11 U	11 U	10 U
Benzo(b)fluoranthene	ug/L	11 U	11 U	10 U
Benzo(k)fluoranthene	ug/L	11 U	11 U	10 U
Benzo(a)pyrene	ug/L	11 U	11 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	11 U	10 U
Dibenz(a,h)anthracene	ug/L	11 U	11 U	10 U
Benzo(g,h,i)perylene	ug/L	11 U	11 U	10 U

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

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

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

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

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

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

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

	MATRIX	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	0-0.2	0-0.2	0-0.2
	SAMPLE DATE	04/18/94	04/18/94	04/18/94
	ES ID	SD64B-1	SD64B-2	SD64B-3
	LAB ID	218210	218211	218212
	SDG NUMBER	43543	43543	43543
COMPOUND	UNITS			
PESTICIDES/PCB				
alpha-BHC	ug/Kg	2.4 U	2.4 U	2.3 U
beta-BHC	ug/Kg	2.4 U	2.4 U	2.3 U
delta-BHC	ug/Kg	2.4 U	2.4 U	2.3 U
gamma-BHC (Lindane)	ug/Kg	2.4 U	2.4 U	2.3 U
Heptachlor	ug/Kg	2.4 U	2.4 U	1.1 J
Aldrin	ug/Kg	2.4 U	2.4 U	2.3 U
Heptachlor epoxide	ug/Kg	2.4 U	2.4 U	2.3 U
Endosulfan I	ug/Kg	2.4 U	2.4 U	2.4
Dieldrin	ug/Kg	4.6 U	4.6 U	4.5 U
4,4'-DDE	ug/Kg	4.6 U	4.6 U	3.3 J
Endrin	ug/Kg	4.6 U	4.6 U	4.5 U
Endosulfan II	ug/Kg	4.6 U	4.6 U	4.5 U
4,4'-DDD	ug/Kg	4.6 U	4.6 U	4.5 U
Endosulfan sulfate	ug/Kg	4.6 U	4.6 U	4.5 U
4,4'-DDT	ug/Kg	4.6 U	4.6 U	4.5 U
Methoxychlor	ug/Kg	24 U	24 U	23 U
Endrin ketone	ug/Kg	4.6 U	4.6 U	4.5 U
Endrin aldehyde	ug/Kg	4.6 U	4.6 U	4.5 U
alpha-Chlordane	ug/Kg	2.4 U	2.4 U	2.3 U
gamma-Chlordane	ug/Kg	2.4 U	2.4 U	2.3 U
Toxaphene	ug/Kg	240 U	240 U	230 U
Aroclor-1016	ug/Kg	46 U	46 U	45 U
Aroclor-1221	ug/Kg	93 U	93 U	91 U
Aroclor-1232	ug/Kg	46 U	46 U	45 U
Aroclor-1242	ug/Kg	46 U	46 U	45 U
Aroclor-1248	ug/Kg	46 U	46 U	45 U
Aroclor-1254	ug/Kg	46 U	46 U	45 U
Aroclor-1260	ug/Kg	46 U	46 U	45 U
METALS				
Aluminum	mg/Kg	7730	8730	12800
Antimony	mg/Kg	0.19 UJ	0.22 UJ	0.25 J
Arsenic	mg/Kg	5	4.5	7.5
Barium	mg/Kg	71.7	60.7	102
Beryllium	mg/Kg	0.42 J	0.44 J	0.67 J
Cadmium	mg/Kg	0.35 J	0.25 J	0.45 J
Calcium	mg/Kg	75900	63000	54200
Chromium	mg/Kg	11.9	13.2	19.3
Cobalt	mg/Kg	8.5 J	8.2 J	11.8
Copper	mg/Kg	17.6	15.7	27
Iron	mg/Kg	17000	16500	28100
Lead	mg/Kg	10.7	9.1	16.5
Magnesium	mg/Kg	11800	13200	14100
Manganese	mg/Kg	447	351	684
Mercury	mg/Kg	0.03 J	0.03 J	0.19 J
Nickel	mg/Kg	20.5	20.3	32
Potassium	mg/Kg	1330	1950	2190
Selenium	mg/Kg	0.32 U	0.37 U	0.36 U
Silver	mg/Kg	0.13 U	0.15 U	0.15 U
Sodium	mg/Kg	30.3 U	35.5 J	33.6 U
Thallium	mg/Kg	0.31 U	0.35 U	0.34 U
Vanadium	mg/Kg	15.7	17.1	25.9
Zinc	mg/Kg	66.1	52.2	82.2
Cyanide	mg/Kg	0.61 U	0.57 U	0.63 U
OTHER ANALYSES				
Nitrate/Nitrite-Nitrogen	mg/Kg			
Total Petroleum Hydrocarbons	mg/Kg			
Total Solids	%W/W	72.2	72.4	74.3

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

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

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-67	SEAD-67	SEAD-67	SEAD-67	SEAD-67	SEAD-67	SEAD-67	SEAD-67
	DEPTH (FEET)	0-0.2	2-4	4-5	2-3	2-3	2-3	2-3	2-3
	SAMPLE DATE	03/30/94	03/30/94	03/30/94	06/06/94	06/06/94	06/06/94	06/06/94	06/06/94
	ES ID	MW67-2.00	MW67-2.02	MW67-2.03	TP67-1	TP67-2	TP67-3	TP67-4	TP67-5
	LAB ID	216109	216112	216113	223303	223305	223306	223307	223308
	SDG NUMBER	43257	43257	43257	44410	44410	44410	44410	44410
COMPOUND	UNITS								
SEMIVOLATILE ORGANICS									
Phenol	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
bis(2-Chloroethyl) ether	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
2-Chlorophenol	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
1,3-Dichlorobenzene	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
1,4-Dichlorobenzene	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
1,2-Dichlorobenzene	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
2-Methylphenol	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
4-Methylphenol	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
N-Nitroso-di-n-propylamine	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Hexachloroethane	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Nitrobenzene	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Isophorone	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
2-Nitrophenol	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
2,4-Dimethylphenol	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
bis(2-Chloroethoxy) methane	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
2,4-Dichlorophenol	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
1,2,4-Trichlorobenzene	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Naphthalene	ug/Kg	480 U	380 U	370 U	34 J	380 U	34 J	400 U	450 U
4-Chloroaniline	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Hexachlorobutadiene	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
4-Chloro-3-methylphenol	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
2-Methylnaphthalene	ug/Kg	480 U	380 U	370 U	44 J	380 U	25 J	400 U	450 U
Hexachlorocyclopentadiene	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
2,4,6-Trichlorophenol	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
2,4,5-Trichlorophenol	ug/Kg	1200 U	930 U	890 U	950 U	930 U	930 U	980 U	1100 U
2-Chloronaphthalene	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
2-Nitroaniline	ug/Kg	1200 U	930 U	890 U	950 U	930 U	930 U	980 U	1100 U
Dimethylphthalate	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Acenaphthylene	ug/Kg	480 U	380 U	370 U	38 J	33 J	210 J	400 U	26 J
2,6-Dinitrotoluene	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
3-Nitroaniline	ug/Kg	1200 U	930 U	890 U	950 U	930 U	930 U	980 U	1100 U
Acenaphthene	ug/Kg	480 U	380 U	370 U	50 J	380 U	380 U	400 U	450 U
2,4-Dinitrophenol	ug/Kg	1200 U	930 U	890 U	950 U	930 U	930 U	980 U	1100 U
4-Nitrophenol	ug/Kg	1200 U	930 U	890 U	950 U	930 U	930 U	980 U	1100 U
Dibenzofuran	ug/Kg	480 U	380 U	370 U	50 J	380 U	380 U	400 U	450 U
2,4-Dinitrotoluene	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Diethylphthalate	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
4-Chlorophenyl-phenylether	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Fluorene	ug/Kg	480 U	380 U	370 U	110 J	31 J	380 U	400 U	27 J
4-Nitroaniline	ug/Kg	1200 U	930 U	890 U	950 U	930 U	930 U	980 U	1100 U
4,6-Dinitro-2-methylphenol	ug/Kg	1200 U	930 U	890 U	950 U	930 U	930 U	980 U	1100 U
N-Nitrosodiphenylamine	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
4-Bromophenyl-phenylether	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Hexachlorobenzene	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Pentachlorophenol	ug/Kg	1200 U	930 U	890 U	950 U	930 U	930 U	980 U	1100 U
Phenanthrene	ug/Kg	480 U	380 U	370 U	740	340 J	180 J	32 J	280 J
Anthracene	ug/Kg	480 U	380 U	370 U	97 J	44 J	140 J	400 U	43 J
Carbazole	ug/Kg	480 U	380 U	370 U	80 J	23 J	380 U	400 U	32 J
Di-n-butylphthalate	ug/Kg	480 U	47 J	370 U	390 U	380 U	380 U	400 U	450 U
Fluoranthene	ug/Kg	36 J	380 U	370 U	760	610	860	55 J	510
Pyrene	ug/Kg	31 J	380 U	370 U	520	500	950	43 J	450
Butylbenzylphthalate	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
3,3'-Dichlorobenzidine	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Benzo(a)anthracene	ug/Kg	480 U	380 U	370 U	280 J	250 J	610	24 J	240 J
Chrysene	ug/Kg	480 U	380 U	370 U	300 J	290 J	690	29 J	230 J
bis(2-Ethylhexyl)phthalate	ug/Kg	480 U	250 J	230 J	29 J	380 U	380 U	400 U	450 U
Di-n-octylphthalate	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Benzo(b)fluoranthene	ug/Kg	480 U	380 U	370 U	440 J	470 J	1300 J	26 J	430 J
Benzo(k)fluoranthene	ug/Kg	480 U	380 U	370 U	390 UJ	380 UJ	380 UJ	28 J	450 UJ
Benzo(a)pyrene	ug/Kg	480 U	380 U	370 U	210 J	220 J	830	28 J	220 J
Indeno(1,2,3-cd)pyrene	ug/Kg	480 U	380 U	370 U	96 J	120 J	620	25 J	130 J
Dibenz(a,h)anthracene	ug/Kg	480 U	380 U	370 U	70 J	53 J	310 J	400 U	65 J
Benzo(g,h,i)perylene	ug/Kg	480 U	380 U	370 U	64 J	93 J	620	40 J	97 J

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-67	SEAD-67	SEAD-67	SEAD-67	SEAD-67	SEAD-67	SEAD-67	SEAD-67
	DEPTH (FEET)	0-0.2	2-4	4-5	2-3	2-3	2-3	2-3	2-3
	SAMPLE DATE	03/30/94	03/30/94	03/30/94	06/06/94	06/06/94	06/06/94	06/06/94	06/06/94
	ES ID	MW67-2.00	MW67-2.02	MW67-2.03	TP67-1	TP67-2	TP67-3	TP67-4	TP67-5
	LAB ID	216109	216112	216113	223303	223305	223306	223307	223308
	SDG NUMBER	43257	43257	43257	44410	44410	44410	44410	44410
COMPOUND	UNITS								
PESTICIDES/PCB									
alpha-BHC	ug/Kg	2.5 U	2 U	1.9 U	2 U	2 U	2 U	2.1 U	2.3 U
beta-BHC	ug/Kg	2.5 U	2 U	1.9 U	2 U	2 U	2 U	2.1 U	2.3 U
delta-BHC	ug/Kg	2.5 U	2 U	1.9 U	2 U	2 U	2 U	2.1 U	2.3 U
gamma-BHC (Lindane)	ug/Kg	2.5 U	2 U	1.9 U	2 U	2 U	2 U	2.1 U	2.3 U
Heptachlor	ug/Kg	2.5 U	2 U	1.9 U	2 U	2 U	2 U	2.1 U	2.3 U
Aldrin	ug/Kg	2.5 U	2 U	1.9 U	2 U	2 U	2 U	2.1 U	2.3 U
Heptachlor epoxide	ug/Kg	5.5	2 U	1.9 U	2 U	2 U	1.2 J	2.1 U	2.3 U
Endosulfan I	ug/Kg	4	2 U	1.9 U	3.2 J	11 J	25 J	1.2 J	15 J
Dieldrin	ug/Kg	4.8 U	3.8 U	3.7 U	3.9 U	3.8 U	3.8 U	4 U	4.5 U
4,4'-DDE	ug/Kg	4.8 U	3.8 U	3.7 U	2.3 J	4.5 J	4.8 J	4 U	3 J
Endrin	ug/Kg	4.8 U	3.8 U	3.7 U	3.9 U	3.8 U	3.8 U	4 U	4.5 U
Endosulfan II	ug/Kg	4.8 U	3.8 U	3.7 U	3.9 U	3.8 U	3.8 U	4 U	4.5 U
4,4'-DDD	ug/Kg	4.8 U	3.8 U	3.7 U	3.9 U	3.8 U	3.8 U	4 U	4.5 U
Endosulfan sulfate	ug/Kg	4.8 U	3.8 U	3.7 U	3.9 U	3.8 U	2.1 J	4 U	4.5 U
4,4'-DDT	ug/Kg	4.8 U	3.8 U	3.7 U	3.9 U	6.3 J	9.4	4 U	4.2 J
Methoxychlor	ug/Kg	25 U	20 U	19 U	20 U	20 U	20 U	21 U	23 U
Endrin ketone	ug/Kg	4.8 U	3.8 U	3.7 U	3.9 U	3.8 U	3.8 U	4 U	4.5 U
Endrin aldehyde	ug/Kg	4.8 U	3.8 U	3.7 U	3.9 U	3.8 U	3.8 U	4 U	4.5 U
alpha-Chlordane	ug/Kg	2.5 U	2 U	1.9 U	2 U	1.4 J	2.1 J	2.1 U	1.9 J
gamma-Chlordane	ug/Kg	2.5 U	2 U	1.9 U	2 U	2 U	2 U	2.1 U	2.3 U
Toxaphene	ug/Kg	250 U	200 U	190 U	200 U	200 U	200 U	210 U	230 U
Aroclor-1016	ug/Kg	48 U	38 U	37 U	39 U	38 U	38 U	40 U	45 U
Aroclor-1221	ug/Kg	97 U	78 U	74 U	80 U	78 U	78 U	82 U	91 U
Aroclor-1232	ug/Kg	48 U	38 U	37 U	39 U	38 U	38 U	40 U	45 U
Aroclor-1242	ug/Kg	48 U	38 U	37 U	39 U	38 U	38 U	40 U	45 U
Aroclor-1248	ug/Kg	48 U	38 U	37 U	39 U	38 U	38 U	40 U	45 U
Aroclor-1254	ug/Kg	48 U	38 U	37 U	39 U	72 J	38 U	40 U	45 U
Aroclor-1260	ug/Kg	48 U	38 U	37 U	39 U	38 U	38 U	40 U	45 U
METALS									
Aluminum	mg/Kg	16700	14900	9460	16100	12200	9870	19100	17200
Antimony	mg/Kg	0.27 J	0.22 J	0.2 UJ	0.26 UJ	0.27 J	0.44 J	0.39 J	0.32 UJ
Arsenic	mg/Kg	4.4	4.5	4.2	4.8	5.4	5	6	4.9
Barium	mg/Kg	114	105	80.8	96.7	105	82.2	158	182
Beryllium	mg/Kg	0.67 J	0.61 J	0.4 J	0.74 J	0.62 J	0.49 J	0.87 J	0.83 J
Cadmium	mg/Kg	0.2 J	0.11 J	0.12 J	0.46 J	0.5 J	0.69 J	0.69 J	0.73 J
Calcium	mg/Kg	3580	79000	77800	6810	5940	139000	12000	20100
Chromium	mg/Kg	19.5	22.5	14.8	22.2	18.7	15.1	24.8	23.2
Cobalt	mg/Kg	7.5 J	10.4 J	9.7 J	10.7	9.5	7.5	11	12.8
Copper	mg/Kg	16.5	20.3	20.5	22	21.3	21.5	29.7	24.5
Iron	mg/Kg	20500	24400	18700	26000	24000	16800	27300	27300
Lead	mg/Kg	17.5	9.3	8.5	12.8	21.3	40.9	19.1	12
Magnesium	mg/Kg	3590	15600	20900	4760	4730	12900	6660	5010
Manganese	mg/Kg	438	528	411	594	624	627	863	1380
Mercury	mg/Kg	0.04	0.01 J	0.02 J	4 J	0.05 J	0.62 J	0.13 J	0.06 J
Nickel	mg/Kg	18.7	32.3	25.9	27.8	27.2	22	30.1	30.2
Potassium	mg/Kg	1780 J	3160 J	1970 J	1620 J	1390 J	2090 J	2520 J	2040 J
Selenium	mg/Kg	0.81	0.36 U	0.34 U	1	1.1	0.41 J	1.2	2
Silver	mg/Kg	0.11 U	0.15 U	0.14 U	0.1 UJ	0.09 UJ	0.07 UJ	0.11 UJ	0.12 UJ
Sodium	mg/Kg	25.1 U	112 J	107 J	19.9 U	26.4 J	111 J	39.4 J	26.1 J
Thallium	mg/Kg	0.48 J	0.34 U	0.32 U	0.38 U	0.34 U	0.28 U	0.41 U	0.47 U
Vanadium	mg/Kg	28.2	24.8	16.5	26.5	22.7	20.9	31.8	27.8
Zinc	mg/Kg	64.8	62	60.1	70.5	70.5	72.8	100	86.6
Cyanide	mg/Kg	0.64 U	0.5 U	0.54 U	0.55 U	0.48 U	0.53 U	0.58 U	0.67 U
OTHER ANALYSES									
Nitrate/Nitrite-Nitrogen	mg/Kg								
Total Petroleum Hydrocarbons	mg/Kg								
Fluoride	mg/Kg								
pH	standard units								
Total Solids	%W/W	68.9	85.5	90.2	83.8	86.4	86.3	82	73.5

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

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

NOTES:
NR stands for NOT RECORDED

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

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

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

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

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

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

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

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

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

	MATRIX	WATER	WATER	WATER
	LOCATION	SEAD-67	SEAD-67	SEAD-67
	SAMPLE DATE	04/26/94	04/26/94	04/26/94
	ES ID	SW67-1	SW67-1RE	SW67-2
	LAB ID	219464	219464	219465
	SDG NUMBER	43810	43810	43810
COMPOUND	UNITS			
PESTICIDES/PCB				
alpha-BHC	ug/L	0.054 U		0.054 U
beta-BHC	ug/L	0.054 U		0.054 U
delta-BHC	ug/L	0.054 U		0.054 U
gamma-BHC (Lindane)	ug/L	0.054 U		0.054 U
Heptachlor	ug/L	0.054 U		0.054 U
Aldrin	ug/L	0.054 U		0.054 U
Heptachlor epoxide	ug/L	0.054 U		0.054 U
Endosulfan I	ug/L	0.054 U		0.054 U
Dieldrin	ug/L	0.11 U		0.11 U
4,4'-DDE	ug/L	0.11 U		0.11 U
Endrin	ug/L	0.11 U		0.11 U
Endosulfan II	ug/L	0.11 U		0.11 U
4,4'-DDD	ug/L	0.11 U		0.11 U
Endosulfan sulfate	ug/L	0.11 U		0.11 U
4,4'-DDT	ug/L	0.11 U		0.11 U
Methoxychlor	ug/L	0.54 U		0.54 U
Endrin ketone	ug/L	0.11 U		0.11 U
Endrin aldehyde	ug/L	0.11 U		0.11 U
alpha-Chlordane	ug/L	0.054 U		0.054 U
gamma-Chlordane	ug/L	0.054 U		0.054 U
Toxaphene	ug/L	5.4 U		5.4 U
Aroclor-1016	ug/L	1.1 U		1.1 U
Aroclor-1221	ug/L	2.1 U		2.2 U
Aroclor-1232	ug/L	1.1 U		1.1 U
Aroclor-1242	ug/L	1.1 U		1.1 U
Aroclor-1248	ug/L	1.1 U		1.1 U
Aroclor-1254	ug/L	1.1 U		1.1 U
Aroclor-1260	ug/L	1.1 U		1.1 U
METALS				
Aluminum	ug/L	129 J		38.1 J
Antimony	ug/L	1 U		0.99 U
Arsenic	ug/L	1.5 U		1.5 U
Barium	ug/L	45.8 J		45.6 J
Beryllium	ug/L	0.06 U		0.06 U
Cadmium	ug/L	0.1 U		0.1 U
Calcium	ug/L	77100		75900
Chromium	ug/L	0.4 U		0.4 U
Cobalt	ug/L	0.6 U		0.6 U
Copper	ug/L	1.1 J		0.86 J
Iron	ug/L	369		84.6 J
Lead	ug/L	0.8 U		0.79 U
Magnesium	ug/L	14100		14700
Manganese	ug/L	161		37.7
Mercury	ug/L	0.03 U		0.03 U
Nickel	ug/L	0.6 U		0.6 U
Potassium	ug/L	1160 J		1120 J
Selenium	ug/L	1.7 U		1.7 U
Silver	ug/L	0.7 U		0.7 U
Sodium	ug/L	5830		7860
Thallium	ug/L	1.6 U		2.1 J
Vanadium	ug/L	0.7 U		0.7 U
Zinc	ug/L	2.4 J		3.3 J
Cyanide	ug/L	5 U		5 U
OTHER ANALYSES				
Nitrate/Nitrite-Nitrogen	mg/L			
Total Petroleum Hydrocarbons	mg/L			
pH	Standard Units	7.9		7.5
Conductivity	umhos/cm	445		440
Temperature	°C	21.4		22.7
Turbidity	NTU	1.4		1.6

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

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

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

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

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

	MATRIX	SOIL	SOIL
	LOCATION	SEAD-67	SEAD-67
	DEPTH (FEET)	0-0.2	0-0.2
	SAMPLE DATE	04/26/94	04/26/94
	ES ID	SD67-1	SD67-2
	LAB ID	219450	219451
	SDG NUMBER	43663	43663
COMPOUND	UNITS		
PESTICIDES/PCB			
alpha-BHC	ug/Kg	4.2 UJ	3.5 UJ
beta-BHC	ug/Kg	4.2 UJ	3.5 UJ
delta-BHC	ug/Kg	4.2 UJ	3.5 UJ
gamma-BHC (Lindane)	ug/Kg	4.2 UJ	3.5 UJ
Heptachlor	ug/Kg	4.2 UJ	3.5 UJ
Aldrin	ug/Kg	4.2 UJ	3.5 UJ
Heptachlor epoxide	ug/Kg	4.2 UJ	3.5 UJ
Endosulfan I	ug/Kg	4.2 UJ	20 J
Dieldrin	ug/Kg	8.2 UJ	6.7 UJ
4,4'-DDE	ug/Kg	8.2 UJ	6.7 UJ
Endrin	ug/Kg	8.2 UJ	6.7 UJ
Endosulfan II	ug/Kg	8.2 UJ	6.7 UJ
4,4'-DDD	ug/Kg	8.2 UJ	6.7 UJ
Endosulfan sulfate	ug/Kg	8.2 UJ	6.7 UJ
4,4'-DDT	ug/Kg	8.2 UJ	4.1 J
Methoxychlor	ug/Kg	42 UJ	35 UJ
Endrin ketone	ug/Kg	8.2 UJ	6.7 UJ
Endrin aldehyde	ug/Kg	8.2 UJ	6.7 UJ
alpha-Chlordane	ug/Kg	4.8 J	3.6 J
gamma-Chlordane	ug/Kg	4.2 UJ	3.5 UJ
Toxaphene	ug/Kg	420 UJ	350 UJ
Aroclor-1016	ug/Kg	82 UJ	67 UJ
Aroclor-1221	ug/Kg	170 UJ	140 UJ
Aroclor-1232	ug/Kg	82 UJ	67 UJ
Aroclor-1242	ug/Kg	82 UJ	67 UJ
Aroclor-1248	ug/Kg	82 UJ	67 UJ
Aroclor-1254	ug/Kg	82 UJ	67 UJ
Aroclor-1260	ug/Kg	82 UJ	67 UJ
METALS			
Aluminum	mg/Kg	12000 J	10700 J
Antimony	mg/Kg	0.41 UJ	0.36 UJ
Arsenic	mg/Kg	3.7 J	4.2 J
Barium	mg/Kg	95.8 J	92.7 J
Beryllium	mg/Kg	0.58 J	0.56 J
Cadmium	mg/Kg	0.37 J	0.34 J
Calcium	mg/Kg	6620 J	13200 J
Chromium	mg/Kg	18 J	16.4 J
Cobalt	mg/Kg	8 J	8.3 J
Copper	mg/Kg	37.7 J	22.6 J
Iron	mg/Kg	18900 J	19800 J
Lead	mg/Kg	15.4 J	17.8 J
Magnesium	mg/Kg	4160 J	5030 J
Manganese	mg/Kg	413 J	731 J
Mercury	mg/Kg	0.15 J R	0.13 R
Nickel	mg/Kg	22.6 J	23.2 J
Potassium	mg/Kg	1650 J	1330 J
Selenium	mg/Kg	0.69 UJ	0.6 UJ
Silver	mg/Kg	1.7 J	1.1 J
Sodium	mg/Kg	84.5 J	107 J
Thallium	mg/Kg	0.65 UJ	0.57 UJ
Vanadium	mg/Kg	20.4 J	18.8 J
Zinc	mg/Kg	85.4 J	76.5 J
Cyanide	mg/Kg	1.2 UJ	0.84 UJ
OTHER ANALYSES			
Nitrate/Nitrite-Nitrogen	mg/Kg		
Total Petroleum Hydrocarbons	mg/Kg		
Fluoride	mg/Kg		
pH	standard units		
Total Solids	%W/W	40.1	48.9

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70
	DEPTH (FEET)	0-0.2	2-4	4-6	0-0.2	2-4	4-6	0-0.2	4-6	8-10	0-0.2
	SAMPLE DATE	05/11/94	05/11/94	05/11/94	02/22/94	02/22/94	02/22/94	02/21/94	02/21/94	02/21/94	02/21/94
	ES ID	MW70-1.00	MW70-1.02	MW70-1.03	SB70-1.01	SB70-1.02	SB70-1.03	SB70-2.01	SB70-2.03	SB70-2.05	SB70-3.01
	LAB ID	221049	221050	221051	212426	212427	212428	212429	212077	212078	212430
	SDG NUMBER	44090	44090	44090	42510	42510	42510	42510	42510	42510	42510
COMPOUND	UNITS										
VOLATILE ORGANICS											
Chloromethane	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Bromomethane	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Vinyl Chloride	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Chloroethane	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Methylene Chloride	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Acetone	ug/Kg	14 U	14 U	11 U	11 U	79	35 U	62	11 U	11 U	12 U
Carbon Disulfide	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
1,1-Dichloroethene	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
1,1-Dichloroethane	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
1,2-Dichloroethene (total)	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Chloroform	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
1,2-Dichloroethane	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
2-Butanone	ug/Kg	14 U	12 U	11 U	11 U	36	17 U	15 U	11 U	11 U	12 U
1,1,1-Trichloroethane	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Carbon Tetrachloride	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Bromodichloromethane	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
1,2-Dichloropropane	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
cis-1,3-Dichloropropene	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Trichloroethene	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Dibromochloromethane	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
1,1,2-Trichloroethane	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Benzene	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
trans-1,3-Dichloropropene	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Bromoform	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
4-Methyl-2-Pentanone	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
2-Hexanone	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Tetrachloroethene	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
1,1,2,2-Tetrachloroethane	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Toluene	ug/Kg	14 U	12 U	11 U	11 U	3 J	11 U	15 U	11 U	11 U	12 U
Chlorobenzene	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Ethylbenzene	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Styrene	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Xylene (total)	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
HERBICIDES											
2,4-D	ug/Kg										
2,4-DB	ug/Kg										
2,4,5-T	ug/Kg										
2,4,5-TP (Silvex)	ug/Kg										
Dalapon	ug/Kg										
Dicamba	ug/Kg										
Dichloroprop	ug/Kg										
Dinoseb	ug/Kg										
MCPA	ug/Kg										
MCPP	ug/Kg										
NITROAROMATICS											
HMX	ug/Kg										
RDX	ug/Kg										
1,3,5-Trinitrobenzene	ug/Kg										
1,3-Dinitrobenzene	ug/Kg										
Tetryl	ug/Kg										
2,4,6-Trinitrotoluene	ug/Kg										
4-amino-2,6-Dinitrotoluene	ug/Kg										
2-amino-4,6-Dinitrotoluene	ug/Kg										
2,6-Dinitrotoluene	ug/Kg										
2,4-Dinitrotoluene	ug/Kg										

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70
	DEPTH (FEET)	0-0.2	2-4	4-6	0-0.2	2-4	4-6	0-0.2	4-6	8-10	0-0.2
	SAMPLE DATE	05/11/94	05/11/94	05/11/94	02/22/94	02/22/94	02/22/94	02/21/94	02/21/94	02/21/94	02/21/94
	ES ID	MW70-1.00	MW70-1.02	MW70-1.03	SB70-1.01	SB70-1.02	SB70-1.03	SB70-2.01	SB70-2.03	SB70-2.05	SB70-3.01
	LAB ID	221049	221050	221051	212426	212427	212428	212429	212077	212078	212430
	SDG NUMBER	44090	44090	44090	42510	42510	42510	42510	42510	42510	42510
COMPOUND	UNITS										
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
bis(2-Chloroethyl) ether	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2-Chlorophenol	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
1,3-Dichlorobenzene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
1,4-Dichlorobenzene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
1,2-Dichlorobenzene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2-Methylphenol	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
4-Methylphenol	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
N-Nitroso-di-n-propylamine	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Hexachloroethane	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Nitrobenzene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Isophorone	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2-Nitrophenol	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2,4-Dimethylphenol	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
bis(2-Chloroethoxy) methane	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2,4-Dichlorophenol	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
1,2,4-Trichlorobenzene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Naphthalene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
4-Chloroaniline	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Hexachlorobutadiene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
4-Chloro-3-methylphenol	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2-Methylnaphthalene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Hexachlorocyclopentadiene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2,4,6-Trichlorophenol	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2,4,5-Trichlorophenol	ug/Kg	1200 U	960 U	890 U	940 U	910 U	960 U	1200 U	870 U	880 U	1100 U
2-Chloronaphthalene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2-Nitroaniline	ug/Kg	1200 U	960 U	890 U	940 U	910 U	960 U	1200 U	870 U	880 U	1100 U
Dimethylphthalate	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Acenaphthylene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2,6-Dinitrotoluene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
3-Nitroaniline	ug/Kg	1200 U	960 U	890 U	940 U	910 U	960 U	1200 U	870 U	880 U	1100 U
Acenaphthene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2,4-Dinitrophenol	ug/Kg	1200 U	960 U	890 U	940 U	910 U	960 U	1200 U	870 U	880 U	1100 U
4-Nitrophenol	ug/Kg	1200 U	960 U	890 U	940 U	910 U	960 U	1200 U	870 U	880 U	1100 U
Dibenzofuran	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2,4-Dinitrotoluene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Diethylphthalate	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
4-Chlorophenyl-phenylether	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Fluorene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
4-Nitroaniline	ug/Kg	1200 U	960 U	890 U	940 U	910 U	960 U	1200 U	870 U	880 U	1100 U
4,6-Dinitro-2-methylphenol	ug/Kg	1200 U	960 U	890 U	940 U	910 U	960 U	1200 U	870 U	880 U	1100 U
N-Nitrosodiphenylamine	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
4-Bromophenyl-phenylether	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Hexachlorobenzene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Pentachlorophenol	ug/Kg	1200 U	960 U	890 U	940 U	910 U	960 U	1200 U	870 U	880 U	1100 U
Phenanthrene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Anthracene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Carbazole	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Di-n-butylphthalate	ug/Kg	490 U	400 U	370 U	35 J	28 J	35 J	54 J	360 U	360 U	45 J
Fluoranthene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	29 J	360 U	360 U	430 U
Pyrene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	26 J	360 U	360 U	430 U
Butylbenzylphthalate	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
3,3'-Dichlorobenzidine	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Benzo(a)anthracene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Chrysene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
bis(2-Ethylhexyl)phthalate	ug/Kg	78 J	550	610	21 J	27 J	73 J	550	43 J	66 J	48 J
Di-n-octylphthalate	ug/Kg	490 U	400 U	370 U	390 U	30 J	400 U	500 U	360 U	360 U	430 U
Benzo(b)fluoranthene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Benzo(k)fluoranthene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Benzo(a)pyrene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Indeno(1,2,3-cd)pyrene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Dibenz(a,h)anthracene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Benzo(g,h,i)perylene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70
	DEPTH (FEET)	0-0.2	2-4	4-6	0-0.2	2-4	4-6	0-0.2	4-6	8-10	0-0.2
	SAMPLE DATE	05/11/94	05/11/94	05/11/94	02/22/94	02/22/94	02/22/94	02/21/94	02/21/94	02/21/94	02/21/94
	ES ID	MW70-1.00	MW70-1.02	MW70-1.03	SB70-1.01	SB70-1.02	SB70-1.03	SB70-2.01	SB70-2.03	SB70-2.05	SB70-3.01
	LAB ID	221049	221050	221051	212426	212427	212428	212429	212077	212078	212430
	SDG NUMBER	44090	44090	44090	42510	42510	42510	42510	42510	42510	42510
COMPOUND	UNITS										
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2.5 U	2 U	1.9 U	2 U	1.9 U	2 U	2.6 U	1.8 U	1.9 U	2.2 U
beta-BHC	ug/Kg	2.5 U	2 U	1.9 U	2 U	1.9 U	2 U	2.6 U	1.8 U	1.9 U	2.2 U
delta-BHC	ug/Kg	2.5 U	2 U	1.9 U	2 U	1.9 U	2 U	2.6 U	1.8 U	1.9 U	2.2 U
gamma-BHC (Lindane)	ug/Kg	2.5 U	2 U	1.9 U	2 U	1.9 U	2 U	2.6 U	1.8 U	1.9 U	2.2 U
Heptachlor	ug/Kg	2.5 U	2 U	1.9 U	2 U	1.9 U	2 U	2.6 U	1.8 U	1.9 U	2.2 U
Aldrin	ug/Kg	2.5 U	2 U	1.9 U	2 U	1.9 U	2 U	2.6 U	1.8 U	1.9 U	2.2 U
Heptachlor epoxide	ug/Kg	2.5 U	2 U	1.9 U	2 U	1.9 U	2 U	2.6 U	1.8 U	1.9 U	2.2 U
Endosulfan I	ug/Kg	2.5 U	2 U	1.9 U	2 U	1.9 U	2 U	2.6 U	1.8 U	1.9 U	2.2 U
Dieldrin	ug/Kg	4.9 U	4 U	3.7 U	3.9 U	3.7 U	4 U	5 U	3.6 U	3.6 U	4.3 U
4,4'-DDE	ug/Kg	4.9 U	4 U	3.7 U	3.9 U	3.7 U	4 U	5 U	3.6 U	3.6 U	4.3 U
Endrin	ug/Kg	4.9 U	4 U	3.7 U	3.9 U	3.7 U	4 U	5 U	3.6 U	3.6 U	4.3 U
Endosulfan II	ug/Kg	4.9 U	4 U	3.7 U	3.9 U	3.7 U	4 U	5 U	3.6 U	3.6 U	4.3 U
4,4'-DDD	ug/Kg	4.9 U	4 U	3.7 U	3.9 U	3.7 U	4 U	5 U	3.6 U	3.6 U	4.3 U
Endosulfan sulfate	ug/Kg	4.9 U	4 U	3.7 U	3.9 U	3.7 U	4 U	5 U	3.6 U	3.6 U	4.3 U
4,4'-DDT	ug/Kg	4.9 U	4 U	3.7 U	3.9 U	3.7 U	4 U	5 U	3.6 U	3.6 U	4.3 U
Methoxychlor	ug/Kg	25 U	20 U	19 U	20 U	19 U	20 U	26 U	18 U	19 U	22 U
Endrin ketone	ug/Kg	4.9 U	4 U	3.7 U	3.9 U	3.7 U	4 U	5 U	3.6 U	3.6 U	4.3 U
Endrin aldehyde	ug/Kg	4.9 U	4 U	3.7 U	3.9 U	3.7 U	4 U	5 U	3.6 U	3.6 U	4.3 U
alpha-Chlordane	ug/Kg	2.5 U	2 U	1.9 U	2 U	1.9 U	2 U	2.6 U	1.8 U	1.9 U	2.2 U
gamma-Chlordane	ug/Kg	2.5 U	2 U	1.9 U	2 U	1.9 U	2 U	2.6 U	1.8 U	1.9 U	2.2 U
Toxaphene	ug/Kg	250 U	200 U	190 U	200 U	190 U	200 U	260 U	180 U	190 U	220 U
Aroclor-1016	ug/Kg	49 U	40 U	37 U	39 U	37 U	40 U	50 U	36 U	36 U	43 U
Aroclor-1221	ug/Kg	99 U	81 U	74 U	79 U	76 U	81 U	100 U	73 U	74 U	88 U
Aroclor-1232	ug/Kg	49 U	40 U	37 U	39 U	37 U	40 U	50 U	36 U	36 U	43 U
Aroclor-1242	ug/Kg	49 U	40 U	37 U	39 U	37 U	40 U	50 U	36 U	36 U	43 U
Aroclor-1248	ug/Kg	49 U	40 U	37 U	39 U	37 U	40 U	50 U	36 U	36 U	43 U
Aroclor-1254	ug/Kg	49 U	40 U	37 U	39 U	37 U	40 U	50 U	36 U	36 U	43 U
Aroclor-1260	ug/Kg	49 U	40 U	37 U	39 U	37 U	40 U	50 U	36 U	36 U	43 U
METALS											
Aluminum	mg/Kg	12200	9480	11000	12400	15600	16600	15800	11600	12900	9340
Antimony	mg/Kg	0.23 UJ	0.21 UJ	0.19 UJ	0.36 J	0.45 J	0.39 J	0.59 J	0.47 J	0.41 J	0.19 J
Arsenic	mg/Kg	5.4	4.1	5.7	3.5 J	4.8 J	4.5 J	88.5 J	4.5 J	4.5 J	6.9 J
Barium	mg/Kg	67.5	56.6	79.9	55.9	91.7	170	106	42.1	55.8	40.5
Beryllium	mg/Kg	0.44 J	0.41 J	0.54 J	0.6 J	0.77 J	0.81 J	0.73 J	0.54 J	0.62 J	0.44 J
Cadmium	mg/Kg	0.57 J	0.43 J	0.8 J	0.05 J	0.07 J	0.14 J	0.24 J	0.23 J	0.12 J	0.07 J
Calcium	mg/Kg	3600	51600	48600	15000	6150	4300	4260	55500	31700	22500
Chromium	mg/Kg	13.7	14.7	17.8	21.3	26.2	25.3	21.1	19	21.9	15.3
Cobalt	mg/Kg	5.5 J	7.1 J	21	11.9	15	13.1	8.5 J	10.8	12.3	8.4
Copper	mg/Kg	12.4	19.7	33.5	22.9	35.2	22.5	18.9	26.8	28.7	17.9
Iron	mg/Kg	17700	16000	26400	26300	32200	30300	24700	23300	26700	18900
Lead	mg/Kg	20.7	9.1	13.6	17.2 J	22.1 J	11.4 J	17.9 J	9.5 J	4.2 J	8.9 J
Magnesium	mg/Kg	2830	13600	7980	5070	6150	5580	4070	8260	8360	5490
Manganese	mg/Kg	233	470	1040	465	425	689	367	439	390	299
Mercury	mg/Kg	0.1	0.03 J	0.02 J	0.04 J	0.04 J	0.04 J	0.05 J	0.02 J	0.02 J	0.02 J
Nickel	mg/Kg	12.3	17.6	52.4	39.3	47.4	36	22	30.6	34	24.6
Potassium	mg/Kg	982 J	1590	1350	1170	1300	1400	1730	1750	1420	1260
Selenium	mg/Kg	1 J	0.64 J	0.32 U	0.32 J	0.48 J	0.89 J	0.95	0.25 U	0.24 U	0.58 J
Silver	mg/Kg	0.16 UJ	0.14 UJ	0.13 UJ	0.1 U	0.12 U	0.15 U	0.12 U	0.1 U	0.1 U	0.11 U
Sodium	mg/Kg	36.4 U	126 J	165 J	30.3 J	34.7 J	34.9 U	27.9 U	81.8 J	89.5 J	47.1 J
Thallium	mg/Kg	0.37 U	0.33 U	0.31 U	0.19 U	0.2 U	0.2 U	0.3 U	0.22 U	0.2 U	0.18 U
Vanadium	mg/Kg	23.3	17.2	17.6	16.4	21.7	26.9	26.7	17.3	17.7	13.9
Zinc	mg/Kg	55.4	42.4	116	46.4	78.8	79.2	75.1	78.6	67.1	53.4
Cyanide	mg/Kg	0.64 U	0.59 U	0.48 U	0.58 U	0.56 U	0.6 U	0.73 U	0.53 U	0.51 U	0.64 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	68.5	83.3	90.2	84.8	88.3	82.6	65.7	92.2	91.2	76.3

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

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

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

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

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

	MATRIX	SOIL	SOIL
	LOCATION	SEAD-70	SEAD-70
	DEPTH (FEET)	4-6	8-10
	SAMPLE DATE	02/21/94	02/21/94
	ES ID	SB70-3.03	SB70-3.05
	LAB ID	212431	212432
	SDG NUMBER	42510	42510
COMPOUND	UNITS		
PESTICIDES/PCB			
alpha-BHC	ug/Kg	1.9 U	1.9 U
beta-BHC	ug/Kg	1.9 U	1.9 U
delta-BHC	ug/Kg	1.9 U	1.9 U
gamma-BHC (Lindane)	ug/Kg	1.9 U	1.9 U
Heptachlor	ug/Kg	1.9 U	1.9 U
Aldrin	ug/Kg	1.9 U	1.9 U
Heptachlor epoxide	ug/Kg	1.9 U	1.9 U
Endosulfan I	ug/Kg	1.9 U	1.9 U
Dieldrin	ug/Kg	3.7 U	3.6 U
4,4'-DDE	ug/Kg	3.7 U	3.6 U
Endrin	ug/Kg	3.7 U	3.6 U
Endosulfan II	ug/Kg	3.7 U	3.6 U
4,4'-DDD	ug/Kg	3.7 U	3.6 U
Endosulfan sulfate	ug/Kg	3.7 U	3.6 U
4,4'-DDT	ug/Kg	3.7 U	3.6 U
Methoxychlor	ug/Kg	19 U	19 U
Endrin ketone	ug/Kg	3.7 U	3.6 U
Endrin aldehyde	ug/Kg	3.7 U	3.6 U
alpha-Chlordane	ug/Kg	1.9 U	1.9 U
gamma-Chlordane	ug/Kg	1.9 U	1.9 U
Toxaphene	ug/Kg	190 U	190 U
Aroclor-1016	ug/Kg	37 U	36 U
Aroclor-1221	ug/Kg	74 U	74 U
Aroclor-1232	ug/Kg	37 U	36 U
Aroclor-1242	ug/Kg	37 U	36 U
Aroclor-1248	ug/Kg	37 U	36 U
Aroclor-1254	ug/Kg	37 U	36 U
Aroclor-1260	ug/Kg	37 U	36 U
METALS			
Aluminum	mg/Kg	11000	11400
Antimony	mg/Kg	0.45 J	0.25 J
Arsenic	mg/Kg	4 J	3.9 J
Barium	mg/Kg	74.8	50.4
Beryllium	mg/Kg	0.53 J	0.55 J
Cadmium	mg/Kg	0.18 J	0.13 J
Calcium	mg/Kg	59100	37300
Chromium	mg/Kg	18	19.7
Cobalt	mg/Kg	10.5	12.1
Copper	mg/Kg	24.2	17.2
Iron	mg/Kg	22800	24800
Lead	mg/Kg	8.1 J	5.3 J
Magnesium	mg/Kg	11000	8170
Manganese	mg/Kg	441	414
Mercury	mg/Kg	0.02 J	0.02 UJ
Nickel	mg/Kg	30.4	30.8
Potassium	mg/Kg	1680	1260
Selenium	mg/Kg	0.31 U	0.49 J
Silver	mg/Kg	0.13 U	0.13 U
Sodium	mg/Kg	84.5 J	89.1 J
Thallium	mg/Kg	0.18 U	0.21 U
Vanadium	mg/Kg	16.6	16
Zinc	mg/Kg	67.8	73
Cyanide	mg/Kg	0.55 U	0.53 U
OTHER ANALYSES			
Nitrate/Nitrite - Nitrogen	mg/Kg		
Total Petroleum Hydrocarbons	mg/Kg		
Total Solids	%W/W	90.3	90.9

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

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

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

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

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

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

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

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

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

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

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

	MATRIX	WATER	WATER
	LOCATION	SEAD-70	SEAD-70
	SAMPLE DATE	04/27/94	04/27/94
	ES ID	SW70-1	SW70-2
	LAB ID	219466	219467
	SDG NUMBER	43810	43810
COMPOUND	UNITS		
PESTICIDES/PCB			
alpha-BHC	ug/L	0.056 U	0.051 U
beta-BHC	ug/L	0.056 U	0.051 U
delta-BHC	ug/L	0.056 U	0.051 U
gamma-BHC (Lindane)	ug/L	0.056 U	0.051 U
Heptachlor	ug/L	0.056 U	0.051 U
Aldrin	ug/L	0.056 U	0.051 U
Heptachlor epoxide	ug/L	0.056 U	0.051 U
Endosulfan I	ug/L	0.056 U	0.051 U
Dieldrin	ug/L	0.11 U	0.1 U
4,4'-DDE	ug/L	0.11 U	0.1 U
Endrin	ug/L	0.11 U	0.1 U
Endosulfan II	ug/L	0.11 U	0.1 U
4,4'-DDD	ug/L	0.11 U	0.1 U
Endosulfan sulfate	ug/L	0.11 U	0.1 U
4,4'-DDT	ug/L	0.11 U	0.1 U
Methoxychlor	ug/L	0.56 U	0.51 U
Endrin ketone	ug/L	0.11 U	0.1 U
Endrin aldehyde	ug/L	0.11 U	0.1 U
alpha-Chlordane	ug/L	0.056 U	0.051 U
gamma-Chlordane	ug/L	0.056 U	0.051 U
Toxaphene	ug/L	5.6 U	5.1 U
Aroclor-1016	ug/L	1.1 U	1 U
Aroclor-1221	ug/L	2.2 U	2 U
Aroclor-1232	ug/L	1.1 U	1 U
Aroclor-1242	ug/L	1.1 U	1 U
Aroclor-1248	ug/L	1.1 U	1 U
Aroclor-1254	ug/L	1.1 U	1 U
Aroclor-1260	ug/L	1.1 U	1 U
METALS			
Aluminum	ug/L	137 J	273
Antimony	ug/L	0.99 U	0.99 U
Arsenic	ug/L	4.4 J	4.6 J
Barium	ug/L	52.3 J	33.3 J
Beryllium	ug/L	0.06 U	0.06 U
Cadmium	ug/L	0.1 U	0.1 U
Calcium	ug/L	63500	50000
Chromium	ug/L	0.4 U	0.46 J
Cobalt	ug/L	3 J	1.3 J
Copper	ug/L	1.5 J	2.4 J
Iron	ug/L	3160	2720
Lead	ug/L	0.79 U	0.92 J
Magnesium	ug/L	12400	9140
Manganese	ug/L	2300	462
Mercury	ug/L	0.04 J	0.03 U
Nickel	ug/L	1.4 J	1.9 J
Potassium	ug/L	3010 J	3280 J
Selenium	ug/L	1.7 U	1.7 U
Silver	ug/L	0.69 U	0.7 U
Sodium	ug/L	7540	5140
Thallium	ug/L	1.6 U	2.1 J
Vanadium	ug/L	0.92 J	1.5 J
Zinc	ug/L	3 J	7.7 J
Cyanide	ug/L	5 U	5 U
OTHER ANALYSES			
Nitrate/Nitrite - Nitrogen	mg/L		
Total Petroleum Hydrocarbons	mg/L		
pH	Standard Units	6.7	7.9
Conductivity	umhos/cm	370	277
Temperature	°C	17.4	16.6
Turbidity	NTU	3.4	4.2

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

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

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

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

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

	MATRIX	SOIL	SOIL
	LOCATION	SEAD-70	SEAD-70
	DEPTH (FEET)	0-0.2	0-0.2
	SAMPLE DATE	04/27/94	04/27/94
	ES ID	SD70-1	SD70-2
	LAB ID	219452	219453
	SDG NUMBER	43663	43663
COMPOUND	UNITS		
PESTICIDES/PCB			
alpha-BHC	ug/Kg	3.5 UJ	3.2 U
beta-BHC	ug/Kg	3.5 UJ	3.2 U
delta-BHC	ug/Kg	3.5 UJ	3.2 U
gamma-BHC (Lindane)	ug/Kg	3.5 UJ	3.2 U
Heptachlor	ug/Kg	3.5 UJ	3.2 U
Aldrin	ug/Kg	3.5 UJ	3.2 U
Heptachlor epoxide	ug/Kg	3.5 UJ	3.2 U
Endosulfan I	ug/Kg	3.5 UJ	3.2 U
Dieldrin	ug/Kg	6.9 UJ	6.2 U
4,4'-DDE	ug/Kg	6.9 UJ	6.2 U
Endrin	ug/Kg	6.9 UJ	6.2 U
Endosulfan II	ug/Kg	6.9 UJ	6.2 U
4,4'-DDD	ug/Kg	6.9 UJ	6.2 U
Endosulfan sulfate	ug/Kg	6.9 UJ	6.2 U
4,4'-DDT	ug/Kg	6.9 UJ	6.2 U
Methoxychlor	ug/Kg	35 UJ	32 U
Endrin ketone	ug/Kg	6.9 UJ	6.2 U
Endrin aldehyde	ug/Kg	6.9 UJ	6.2 U
alpha-Chlordane	ug/Kg	3.5 UJ	3.2 U
gamma-Chlordane	ug/Kg	3.5 UJ	3.2 U
Toxaphene	ug/Kg	350 UJ	320 U
Aroclor-1016	ug/Kg	69 UJ	62 U
Aroclor-1221	ug/Kg	140 UJ	130 U
Aroclor-1232	ug/Kg	69 UJ	62 U
Aroclor-1242	ug/Kg	69 UJ	62 U
Aroclor-1248	ug/Kg	69 UJ	62 U
Aroclor-1254	ug/Kg	69 UJ	62 U
Aroclor-1260	ug/Kg	69 UJ	62 U
METALS			
Aluminum	mg/Kg	13300 J	10400
Antimony	mg/Kg	0.27 UJ	0.35 UJ
Arsenic	mg/Kg	3.4 J	3.4 J
Barium	mg/Kg	126 J	73.7
Beryllium	mg/Kg	0.59 J	0.51 J
Cadmium	mg/Kg	0.34 J	0.4 J
Calcium	mg/Kg	4500 J	21400
Chromium	mg/Kg	16.3 J	15.5
Cobalt	mg/Kg	5.8 J	7.2 J
Copper	mg/Kg	14.3 J	21.9
Iron	mg/Kg	17900 J	16900
Lead	mg/Kg	16.9 J	20.6
Magnesium	mg/Kg	2900 J	5300
Manganese	mg/Kg	512 J	212 J
Mercury	mg/Kg	0.07 J R	0.04 J R
Nickel	mg/Kg	15 J	23.3
Potassium	mg/Kg	1690 J	1500 J
Selenium	mg/Kg	0.75 J	0.59 U
Silver	mg/Kg	0.19 UJ	0.24 U
Sodium	mg/Kg	43 UJ	55.1 U
Thallium	mg/Kg	0.43 UJ	0.8 J
Vanadium	mg/Kg	21.7 J	19.4
Zinc	mg/Kg	60.1 J	105
Cyanide	mg/Kg	1 UJ	0.84 U
OTHER ANALYSES			
Nitrate/Nitrite-Nitrogen	mg/Kg		
Total Petroleum Hydrocarbons	mg/Kg		
Total Solids	%W/W	47.6	52.8

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

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

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-71	SEAD-71	SEAD-71	SEAD-71	SEAD-71	SEAD-71	SEAD-71	SEAD-71
	DEPTH (FEET)	3	3	3	4	1	2	2-3.3	2
	SAMPLE DATE	06/07/94	06/07/94	06/07/94	06/07/94	06/07/94	06/07/94	06/07/94	06/07/94
	ES ID	TP71-1-1	TP71-1-2	TP71-1-3	TP71-1-4	TP71-2-1	TP71-2-2	TP71-2-3	TP71-2-4
	LAB ID	223344	223345	223346	223347	223348	223349	223350	223351
	SDG NUMBER	44665	44665	44665	44665	44665	44665	44665	44665
COMPOUND	UNITS								
SEMIVOLATILE ORGANICS									
Phenol	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
bis(2-Chloroethyl) ether	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
2-Chlorophenol	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
1,3-Dichlorobenzene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
1,4-Dichlorobenzene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
1,2-Dichlorobenzene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
2-Methylphenol	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
4-Methylphenol	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
N-Nitroso-di-n-propylamine	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Hexachloroethane	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Nitrobenzene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Isophorone	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
2-Nitrophenol	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
2,4-Dimethylphenol	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
bis(2-Chloroethoxy) methane	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
2,4-Dichlorophenol	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
1,2,4-Trichlorobenzene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Naphthalene	ug/Kg	19000 U	77 J	370 U	29 J	1500 U	380 U	420 U	380 U
4-Chloroaniline	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Hexachlorobutadiene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
4-Chloro-3-methylphenol	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
2-Methylnaphthalene	ug/Kg	19000 U	29 J	370 U	390 U	1500 U	380 U	420 U	380 U
Hexachlorocyclopentadiene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
2,4,6-Trichlorophenol	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
2,4,5-Trichlorophenol	ug/Kg	45000 U	1200 U	900 U	940 U	3600 U	930 U	1000 U	930 U
2-Chloronaphthalene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
2-Nitroaniline	ug/Kg	45000 U	1200 U	900 U	940 U	3600 U	930 U	1000 U	930 U
Dimethylphthalate	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Acenaphthylene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
2,6-Dinitrotoluene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
3-Nitroaniline	ug/Kg	45000 U	1200 U	900 U	940 U	3600 U	930 U	1000 U	930 U
Acenaphthene	ug/Kg	5800 J	280 J	76 J	38 J	1500 U	380 U	420 U	380 U
2,4-Dinitrophenol	ug/Kg	45000 U	1200 U	900 U	940 U	3600 U	930 U	1000 U	930 U
4-Nitrophenol	ug/Kg	45000 U	1200 U	900 U	940 U	3600 U	930 U	1000 U	930 U
Dibenzofuran	ug/Kg	19000 U	120 J	370 U	390 U	1500 U	380 U	420 U	380 U
2,4-Dinitrotoluene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Diethylphthalate	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
4-Chlorophenyl-phenyl ether	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Fluorene	ug/Kg	2800 J	230 J	56 J	390 U	1500 U	380 U	420 U	380 U
4-Nitroaniline	ug/Kg	45000 U	1200 U	900 U	940 U	3600 U	930 U	1000 U	930 U
4,6-Dinitro-2-methylphenol	ug/Kg	45000 U	1200 U	900 U	940 U	3600 U	930 U	1000 U	930 U
N-Nitrosodiphenylamine	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
4-Bromophenyl-phenyl ether	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Hexachlorobenzene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Pentachlorophenol	ug/Kg	45000 U	1200 U	900 U	940 U	3600 U	930 U	1000 U	930 U
Phenanthrene	ug/Kg	66000	1900	770	260 J	270 J	180 J	30 J	80 J
Anthracene	ug/Kg	11000 J	560	120 J	59 J	1500 U	380 U	420 U	380 U
Carbazole	ug/Kg	9500 J	360 J	100 J	30 J	1500 U	380 U	420 U	380 U
Di-n-butylphthalate	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Fluoranthene	ug/Kg	88000	2600	1400	330 J	690 J	580	63 J	240 J
Pyrene	ug/Kg	63000	1600	2000	390	1000 J	660	73 J	260 J
Butylbenzylphthalate	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
3,3'-Dichlorobenzidine	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Benzo(a)anthracene	ug/Kg	37000	1200	660	180 J	370 J	250 J	420 U	120 J
Chrysene	ug/Kg	36000	1000	750	220 J	610 J	360 J	420 U	130 J
bis(2-Ethylhexyl)phthalate	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Di-n-octylphthalate	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Benzo(b)fluoranthene	ug/Kg	26000	930	710	130 J	750 J	400	420 U	110 J
Benzo(k)fluoranthene	ug/Kg	15000 J	570	490	140 J	490 J	240 J	420 U	77 J
Benzo(a)pyrene	ug/Kg	22000	750	630	160 J	490 J	290 J	420 U	94 J
Indeno(1,2,3-cd)pyrene	ug/Kg	12000 J	390 J	520	88 J	430 J	220 J	420 U	52 J
Dibenz(a,h)anthracene	ug/Kg	9800 J	190 J	320 J	38 J	170 J	130 J	420 U	380 U
Benzo(g,h,i)perylene	ug/Kg	10000 J	500	500	82 J	370 J	150 J	420 U	36 J

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

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-71	SEAD-71	SEAD-71	SEAD-71	SEAD-71	SEAD-71	SEAD-71	SEAD-71
	DEPTH (FEET)	3	3	3	4	1	2	2-3.3	2
	SAMPLE DATE	06/07/94	06/07/94	06/07/94	06/07/94	06/07/94	06/07/94	06/07/94	06/07/94
	ES ID	TP71-1-1	TP71-1-2	TP71-1-3	TP71-1-4	TP71-2-1	TP71-2-2	TP71-2-3	TP71-2-4
	LAB ID	223344	223345	223346	223347	223348	223349	223350	223351
	SDG NUMBER	44665	44665	44665	44665	44665	44665	44665	44665
COMPOUND	UNITS								
PESTICIDES/PCB									
alpha-BHC	ug/Kg	19 U	1.9 U	1.9 U	2 U	1.9 U	2 U	2.2 U	2 U
beta-BHC	ug/Kg	19 U	1.9 U	1.9 U	2 U	1.9 U	2 U	2.2 U	2 U
delta-BHC	ug/Kg	19 U	1.9 U	1.9 U	2 U	1.9 U	2 U	2.2 U	2 U
gamma-BHC (Lindane)	ug/Kg	19 U	1.9 U	1.9 U	2 U	1.9 U	2 U	2.2 U	2 U
Heptachlor	ug/Kg	19 U	1.2 J	1.9 U	2 U	1.9 U	2 U	2.2 U	2 U
Aldrin	ug/Kg	19 U	1.9 U	1.9 U	2 U	1.9 U	2 U	2.2 U	2 U
Heptachlor epoxide	ug/Kg	19 U	1.9 U	1.9 U	2 U	1.9 U	2 U	2.2 U	2 U
Endosulfan I	ug/Kg	200 J	3.5	6.6 J	2.8 J	5.1 J	6.9 J	2.2 U	3.4 J
Dieldrin	ug/Kg	37 U	3.5 J	3.7 U	3.9 U	3.7 U	3.8 U	4.2 U	3.8 U
4,4'-DDE	ug/Kg	37 U	3.7 U	3.1 J	4.2 J	3.7 U	3.8 U	4.2 U	3.8 U
Endrin	ug/Kg	29 J	3.7 U	3.7 U	3.9 U	3.7 U	3.8 U	4.2 U	3.8 U
Endosulfan II	ug/Kg	26 J	2.5 J	3.7 U	3.9 U	2 J	3.8 U	4.2 U	3.8 U
4,4'-DDD	ug/Kg	37 U	3.7 U	3.7 U	3.9 U	3.4 J	3.8 U	4.2 U	3.8 U
Endosulfan sulfate	ug/Kg	37 U	3.7 U	3.7 U	3.9 U	2.2 J	3.8 U	4.2 U	3.8 U
4,4'-DDT	ug/Kg	37 U	3.7 U	8.4	13	2.7 J	3.8 U	4.2 U	3.8 U
Methoxychlor	ug/Kg	190 U	19 U	19 U	20 U	19 U	20 U	22 U	20 U
Endrin ketone	ug/Kg	37 U	3.7 U	3.7 U	3.9 U	3.7 U	3.8 U	4.2 U	3.8 U
Endrin aldehyde	ug/Kg	37 U	3.7 U	3.7 U	3.9 U	3.7 U	3.8 U	4.2 U	3.8 U
alpha-Chlordane	ug/Kg	74 J	1.9 U	1.9 U	2 U	2 J	2 U	2.2 U	2 U
gamma-Chlordane	ug/Kg	19 U	1.9 U	1.9 U	2 U	1.9 U	2 U	2.2 U	2 U
Toxaphene	ug/Kg	1900 U	190 U	190 U	200 U	190 U	200 U	220 U	200 U
Aroclor-1016	ug/Kg	370 U	37 U	37 U	39 U	37 U	38 U	42 U	38 U
Aroclor-1221	ug/Kg	750 U	76 U	75 U	79 U	76 U	78 U	86 U	78 U
Aroclor-1232	ug/Kg	370 U	37 U	37 U	39 U	37 U	38 U	42 U	38 U
Aroclor-1242	ug/Kg	370 U	37 U	37 U	39 U	37 U	38 U	42 U	38 U
Aroclor-1248	ug/Kg	370 U	37 U	37 U	39 U	37 U	38 U	42 U	38 U
Aroclor-1254	ug/Kg	370 U	37 U	37 U	39 U	37 U	38 U	42 U	38 U
Aroclor-1260	ug/Kg	370 U	37 U	37 U	39 U	37 U	38 U	42 U	38 U
METALS									
Aluminum	mg/Kg	12900	13100	10900	9960	9630	12500	18000	15200
Antimony	mg/Kg	0.19 J	0.27 UJ	0.23 UJ	0.47 J	0.21 J	0.18 UJ	0.23 UJ	0.25 UJ
Arsenic	mg/Kg	5.4	5.1	5.2	4.8	4.2	4.8	7.6	7.8
Barium	mg/Kg	86.2	69.2	69.8	63.5	37.5	57.6	108	76.1
Beryllium	mg/Kg	0.58 J	0.56 J	0.53 J	0.47 J	0.44 J	0.48 J	0.88 J	0.7 J
Cadmium	mg/Kg	0.53 J	0.39 J	0.45 J	0.45 J	0.44 J	0.43 J	0.45 J	0.48 J
Calcium	mg/Kg	38000 J	52800 J	32200 J	36500 J	10500 J	37200 J	4260 J	27300 J
Chromium	mg/Kg	18.4	17.9	16.3	15.5	18.1	16.7	25.8	22
Cobalt	mg/Kg	9.4	9.3 J	9.7	8.7 J	11.4	9	14.6	13.4
Copper	mg/Kg	25.4	19	23	26.7	37.5	17.5	36.2	23.5
Iron	mg/Kg	23600	22700	21600	20000	22400	22100	32700	32100
Lead	mg/Kg	96.9	10.3	43.8	67.8	25.3	11.2	15.3	15.1
Magnesium	mg/Kg	8690	7910	8840	9180	4830	13100	6680	6320
Manganese	mg/Kg	497	390	474	458	255	434	749	503
Mercury	mg/Kg	0.03 J	0.03 J	0.03 J	0.03 J	0.04 J	0.15	0.04 J	0.02 J
Nickel	mg/Kg	26.8	25.2	24.9	24.6	42.5	23.2	38.8	36.1
Potassium	mg/Kg	1340 J	1540 J	1230 J	1520 J	992 J	1010 J	1830 J	1300 J
Selenium	mg/Kg	0.43 J	0.57 U	0.47 U	0.56 U	0.91	0.37 U	0.61 J	0.74 J
Silver	mg/Kg	0.07 UJ	0.11 UJ	0.09 UJ	0.1 UJ	0.06 UJ	0.07 UJ	0.09 UJ	0.1 UJ
Sodium	mg/Kg	54.9 J	108 J	140 J	90.7 J	50 J	45.6 J	17.6 U	37.2 J
Thallium	mg/Kg	0.25 U	0.4 U	0.33 U	0.4 U	0.24 U	0.26 U	0.34 U	0.36 U
Vanadium	mg/Kg	19.7	20.1	17.9	18.2	15.4	19.2	29.2	23.1
Zinc	mg/Kg	96.2	63.9	86.1	79.7	128	58.9	71.8	79.3
Cyanide	mg/Kg	0.54 U	0.46 U	0.5 U	0.35 U	0.54 U	0.44 U	0.54 U	0.56 U
OTHER ANALYSES									
Nitrate/Nitrite-Nitrogen	mg/Kg								
Total Petroleum Hydrocarbons	mg/Kg								
Total Solids	%W/W	88.9	87.7	88.8	84.7	87.6	86.4	78.5	85.7

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

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

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

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

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

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

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

	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION			SEAD-9	SEAD-12	SEAD-12	SEAD-12	SEAD-43	SEAD-43	SEAD-43	SEAD-43
	SAMPLE DATE	02/20/94	02/20/94	07/19/94	06/22/94	06/25/94	06/13/94	06/10/94	02/17/94	04/15/94	07/19/94
	ES ID	TP5-1R	TP5-1RRE	MW9-3R	SD12A-1R	TP12B-3R	MW12B-1.03R	SB43-1-00R	SB43-4R	SD43-3R	MW43-1R
	LAB ID	212040	212040	227440	225192	225552	224123	223890	211723	217765	227447
	SDG NUMBER	42494	42494	45332	44745	45058	44745	44725	42460	43543	45332
COMPOUND	UNITS	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE
VOLATILE ORGANICS											
Chloromethane	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 UJ			10 U	10 U	10 U	10 U	12	22	10 U
Carbon Disulfide	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
HERBICIDES											
2,4-D	ug/L							1.1 U	1.1 U		1.1 U
2,4-DB	ug/L							1.1 U	1.1 U		1.1 U
2,4,5-T	ug/L							0.11 U	0.11 U		0.11 U
2,4,5-TP (Silvex)	ug/L							0.11 U	0.11 U		0.11 U
Dalapon	ug/L							2.4 U	2.4 U		2.4 U
Dicamba	ug/L							0.11 U	0.11 U		0.11 U
Dichloroprop	ug/L							1.1 U	1.1 U		1.1 U
Dinoseb	ug/L							0.5 UJ	0.53 U		0.52 U
MCPA	ug/L							110 U	110 U		110 U
MCPP	ug/L							110 U	110 U		110 U
NITROAROMATICS											
HMX	ug/L							0.13 U	0.13 U	0.13 U	0.13 U
RDX	ug/L							0.13 U	0.13 U	0.13 U	0.13 U
1,3,5-Trinitrobenzene	ug/L							0.13 U	0.13 U	0.13 U	0.13 U
1,3-Dinitrobenzene	ug/L							0.13 U	0.13 U	0.13 U	0.13 U
Tetryl	ug/L							0.064 J	0.13 U	0.13 U	0.13 U
2,4,6-Trinitrotoluene	ug/L							0.13 U	0.13 U	0.13 U	0.13 U
4-amino-2,6-Dinitrotoluene	ug/L							0.13 U	0.13 U	0.13 U	0.13 U
2-amino-4,6-Dinitrotoluene	ug/L							0.13 U	0.13 U	0.13 U	0.13 U
2,6-Dinitrotoluene	ug/L							0.13 U	0.13 U	0.13 U	0.13 U
2,4-Dinitrotoluene	ug/L							0.13 U	0.13 U	0.13 U	0.13 U

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

	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION			SEAD-9	SEAD-12	SEAD-12	SEAD-12	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43
	SAMPLE DATE	02/20/94	02/20/94	07/19/94	06/22/94	06/25/94	06/13/94	06/10/94	02/17/94	04/15/94	07/19/94	
	ES ID	TP5-1R	TP5-1RRE	MW9-3R	SD12A-1R	TP12B-3R	MW12B-1.03R	SB43-1-00R	SB43-4R	SD43-3R	MW43-1R	
	LAB ID	212040	212040	227440	225192	225552	224123	223890	211723	217765	227447	
	SDG NUMBER	42494	42494	45332	44745	45058	44745	44725	42460	43543	45332	
COMPOUND	UNITS	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	
SEMIVOLATILE ORGANICS												
Phenol	ug/L	10 U	11 UJ		10 U	10 U	2 J	1 J	10 U	10 U	11 U	
bis(2-Chloroethyl) ether	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
2-Chlorophenol	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
1,3-Dichlorobenzene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
1,4-Dichlorobenzene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
1,2-Dichlorobenzene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
2-Methylphenol	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
4-Methylphenol	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
N-Nitroso-di-n-propylamine	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
Hexachloroethane	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
Nitrobenzene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
Isophorone	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
2-Nitrophenol	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
2,4-Dimethylphenol	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
bis(2-Chloroethoxy) methane	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
2,4-Dichlorophenol	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
1,2,4-Trichlorobenzene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
Naphthalene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
4-Chloroaniline	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
Hexachlorobutadiene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
4-Chloro-3-methylphenol	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
2-Methylnaphthalene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
Hexachlorocyclopentadiene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
2,4,6-Trichlorophenol	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
2,4,5-Trichlorophenol	ug/L	26 U	27 UJ		25 U	26 U	25 U	26 U	26 U	26 U	27 U	
2-Chloronaphthalene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
2-Nitroaniline	ug/L	26 U	27 UJ		25 U	26 U	25 U	26 U	26 U	26 U	27 U	
Dimethylphthalate	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
Acenaphthylene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
2,6-Dinitrotoluene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
3-Nitroaniline	ug/L	26 U	27 UJ		25 U	26 U	25 U	26 U	26 U	26 U	27 U	
Acenaphthene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
2,4-Dinitrophenol	ug/L	26 U	27 UJ		25 U	26 U	25 U	26 U	26 U	26 U	27 U	
4-Nitrophenol	ug/L	26 U	27 UJ		25 U	26 U	25 U	26 U	26 U	26 U	27 U	
Dibenzofuran	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
2,4-Dinitrotoluene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
Diethylphthalate	ug/L	10 U	11 UJ		10 U	10 U	0.7 J	10 U	10 U	10 U	0.6 J	
4-Chlorophenyl-phenylether	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
Fluorene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
4-Nitroaniline	ug/L	26 U	27 UJ		25 U	26 U	25 U	26 U	26 U	26 U	27 U	
4,6-Dinitro-2-methylphenol	ug/L	26 U	27 UJ		25 U	26 U	25 U	26 U	26 U	26 U	27 U	
N-Nitrosodiphenylamine	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
4-Bromophenyl-phenylether	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
Hexachlorobenzene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
Pentachlorophenol	ug/L	26 U	27 UJ		25 U	26 U	25 U	26 U	26 U	26 U	27 U	
Phenanthrene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
Anthracene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
Carbazole	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
Di-n-butylphthalate	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	0.8 J	
Fluoranthene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
Pyrene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
Butylbenzylphthalate	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
3,3'-Dichlorobenzidine	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
Benzo(a)anthracene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
Chrysene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
bis(2-Ethylhexyl)phthalate	ug/L	10 U	11 UJ		10 U	7 BJ	10 U	10 U	10 U	10 U	4 JB	
Di-n-octylphthalate	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
Benzo(b)fluoranthene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
Benzo(k)fluoranthene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
Benzo(a)pyrene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
Indeno(1,2,3-cd)pyrene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
Dibenz(a,h)anthracene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	
Benzo(g,h,i)perylene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U	

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

	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION			SEAD-9	SEAD-12	SEAD-12	SEAD-12	SEAD-43	SEAD-43	SEAD-43	SEAD-43	SEAD-43
	SAMPLE DATE	02/20/94	02/20/94	07/19/94	06/22/94	06/25/94	06/13/94	06/10/94	02/17/94	04/15/94	SD43-3R	07/19/94
	ES ID	TP5-1R	TP5-1RRE	MW9-3R	SD12A-1R	TP12B-3R	MW12B-1.03R	SB43-1-00R	SB43-4R	217765	43543	MW43-1R
	LAB ID	212040	212040	227440	225192	225552	224123	223890	211723			227447
	SDG NUMBER	42494	42494	45332	44745	45058	44745	44725	42460			45332
COMPOUND	UNITS	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE
PESTICIDES/PCB												
alpha-BHC	ug/L	0.052 U			0.054 U	0.052 U	0.051 U	0.052 U	0.054 U	0.052 U	0.051 U	
beta-BHC	ug/L	0.052 U			0.054 U	0.052 U	0.051 U	0.052 U	0.03 J	0.052 U	0.051 U	
delta-BHC	ug/L	0.052 U			0.054 U	0.052 U	0.051 U	0.052 U	0.054 U	0.052 U	0.051 U	
gamma-BHC (Lindane)	ug/L	0.052 U			0.054 U	0.052 U	0.051 U	0.052 U	0.054 U	0.052 U	0.051 U	
Heptachlor	ug/L	0.052 U			0.054 U	0.052 U	0.051 U	0.052 U	0.054 U	0.052 U	0.051 U	
Aldrin	ug/L	0.052 U			0.054 U	0.052 U	0.051 U	0.052 U	0.054 U	0.052 U	0.051 U	
Heptachlor epoxide	ug/L	0.052 U			0.054 U	0.052 U	0.051 U	0.052 U	0.054 U	0.052 U	0.051 U	
Endosulfan I	ug/L	0.052 U			0.054 U	0.052 U	0.051 U	0.052 U	0.054 U	0.052 U	0.051 U	
Dieldrin	ug/L	0.1 U			0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	
4,4'-DDE	ug/L	0.1 U			0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	
Endrin	ug/L	0.1 U			0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	
Endosulfan II	ug/L	0.1 U			0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	
4,4'-DDD	ug/L	0.1 U			0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	
Endosulfan sulfate	ug/L	0.1 U			0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	
4,4'-DDT	ug/L	0.1 U			0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	
Methoxychlor	ug/L	0.52 U			0.54 U	0.52 U	0.51 U	0.52 U	0.54 U	0.52 U	0.51 U	
Endrin ketone	ug/L	0.1 U			0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	
Endrin aldehyde	ug/L	0.1 U			0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	
alpha-Chlordane	ug/L	0.052 U			0.054 U	0.052 U	0.051 U	0.052 U	0.054 U	0.052 U	0.051 U	
gamma-Chlordane	ug/L	0.052 U			0.054 U	0.052 U	0.051 U	0.052 U	0.054 U	0.052 U	0.051 U	
Toxaphene	ug/L	5.2 U			5.4 U	5.2 U	5.1 U	5.2 U	5.4 U	5.2 U	5.1 U	
Aroclor-1016	ug/L	1 U			1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	
Aroclor-1221	ug/L	2.1 U			2.2 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2 U	
Aroclor-1232	ug/L	1 U			1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	
Aroclor-1242	ug/L	1 U			1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	
Aroclor-1248	ug/L	1 U			1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	
Aroclor-1254	ug/L	1 U			1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	
Aroclor-1260	ug/L	1 U			1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	
METALS												
Aluminum	ug/L	40.1 J			21.7 J	99.2 J	25.5 J	13.2 J	41.8 U	20 J	8.7 UJ	
Antimony	ug/L	0.99 U			1.3 U	4.2 J	1.3 U	1.3 U	21.5 U	1.5 J	1.3 U	
Arsenic	ug/L	1.5 U			2 U	2.4 J	2 U	2 U	1.4 U	1.5 U	2 U	
Barium	ug/L	2.2 U			2 U	2 U	2 U	2 U	3.5 U	2.2 U	2 U	
Beryllium	ug/L	0.06 U			0.1 U	0.9 J	0.1 U	0.1 U	0.4 U	0.17 J	0.1 U	
Cadmium	ug/L	0.1 U			0.2 U	0.88 J	0.2 U	0.2 U	2.1 U	0.28 J	0.2 U	
Calcium	ug/L	41.1 U			98.7 J	406 J	132 J	131 U	127 U	811 J	40.7 U	
Chromium	ug/L	0.4 U			0.4 U	1.1 J	2.6 J	0.61 J	2.6 U	0.79 J	0.4 U	
Cobalt	ug/L	0.6 U			0.5 U	1 J	0.54 J	0.5 U	4.4 U	0.67 J	0.5 U	
Copper	ug/L	1.1 J			1.2 J	2.4 J	1.1 J	1.7 J	4 J	12.2 J	0.85 J	
Iron	ug/L	9.6 U			16.5 J	121	30.1 J	25.7 J	17.6 J	42.2 J	11.7 U	
Lead	ug/L	0.6 U			0.9 U	1.7 J	0.89 U	0.9 U	0.89 U	0.79 U	0.9 U	
Magnesium	ug/L	31.2 U			34.4 U	133 J	34.4 U	34.4 U	114 U	65.9 J	34.6 U	
Manganese	ug/L	0.5 U			0.36 J	1.3 J	0.73 J	0.6 U	1.1 U	0.61 J	0.2 U	
Mercury	ug/L	0.04 U			0.03 J	0.04 U	0.11 J	0.03 U	0.04 U	0.03 U	0.06 J	
Nickel	ug/L	0.6 U			0.7 U	3.1 J	0.7 U	4.1 J	4 U	2.8 J	0.7 U	
Potassium	ug/L	43.4 U			47.2 U	98.2 J	47.2 U	47.3 U	906 U	53.6 J	47.5 U	
Selenium	ug/L	1.5 J			2.7 U	2.7 U	2.7 U	2.7 U	1.1 U	1.7 U	2.7 U	
Silver	ug/L	0.7 U			0.5 U	1.1 J	0.6 J	0.5 U	4.2 U	0.69 U	1.9 J	
Sodium	ug/L	1350 J			1200 J	1170 J	1150 J	1480 J	1990 J	1460 J	523 J	
Thallium	ug/L	1.2 U			1.9 U	2.7 J	1.9 U	1.9 U	1.2 U	2.3 J	2.6 J	
Vanadium	ug/L	0.7 U			0.5 U	1.1 J	0.5 U	0.5 U	3.7 U	0.69 U	0.5 U	
Zinc	ug/L	9.8 J			9.5 J	16.1 J	8.1 J	5.6 J	3.3 J	12.6 J	2.2 U	
Cyanide	ug/L	5 U			5 U	5 U	5 U	5 U	5 U	5 U	5 U	
OTHER ANALYSES												
Nitrate/Nitrite-Nitrogen	mg/L	0.01						0.03	0.02	0.01	0.01	
Total Petroleum Hydrocarbons	mg/L	0.39 U		0.36 U					0.41 U			

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

	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SEAD-43	SEAD-43	SEAD-44	SEAD-44	SEAD-59	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60
	SAMPLE DATE	03/28/94	02/17/94	07/12/94	04/13/94	05/26/94	02/28/94	05/27/94	06/07/94	06/07/94	07/07/94
	ES ID	MW43-3R	SB43-4RRE	MW44A-1R	SS44A-1R	SB59-2-00R	SB60-1R	SB60-1-00R	SB60-2-00R	SB60-2-00RRE	MW60-2R
	LAB ID	215556	211723	226788	217677	222480	212885	222474	223338	223338	226304
	SDG NUMBER	43179	42460	45282	43535	44410	42510	44410	44410	44410	45257
COMPOUND	UNITS	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE
VOLATILE ORGANICS											
Chloromethane	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Bromomethane	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Vinyl Chloride	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Chloroethane	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Methylene Chloride	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Acetone	ug/L	28		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Carbon Disulfide	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
1,1-Dichloroethene	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
1,1-Dichloroethane	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
1,2-Dichloroethene (total)	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Chloroform	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
1,2-Dichloroethane	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
2-Butanone	ug/L	10 U		10 U	10 U	10 U	13 U	10 U	10 U		10 U
1,1,1-Trichloroethane	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Carbon Tetrachloride	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Bromodichloromethane	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
1,2-Dichloropropane	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
cis-1,3-Dichloropropene	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Trichloroethene	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Dibromochloromethane	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
1,1,2-Trichloroethane	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Benzene	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
trans-1,3-Dichloropropene	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Bromoform	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
4-Methyl-2-Pentanone	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
2-Hexanone	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Tetrachloroethene	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Toluene	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Chlorobenzene	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Ethylbenzene	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Styrene	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Xylene (total)	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
HERBICIDES											
2,4-D	ug/L	1.1 U									
2,4-DB	ug/L	1.1 U									
2,4,5-T	ug/L	0.11 U									
2,4,5-TP (Silvex)	ug/L	0.11 U									
Dalapon	ug/L	2.4 U									
Dicamba	ug/L	1.1 U									
Dichloroprop	ug/L	1.1 U									
Dinoseb	ug/L	0.51 U									
MCPA	ug/L	110 U									
MCPP	ug/L	110 U									
NITROAROMATICS											
HMX	ug/L	0.13 UJ		0.13 U	0.13 U						
RDX	ug/L	0.13 UJ		0.13 U	0.13 U						
1,3,5-Trinitrobenzene	ug/L	0.13 UJ		0.13 U	0.13 U						
1,3-Dinitrobenzene	ug/L	0.13 UJ		0.13 U	0.13 U						
Tetryl	ug/L	0.13 UJ		0.13 U	0.13 U						
2,4,6-Trinitrotoluene	ug/L	0.13 UJ		0.13 U	0.13 U						
4-amino-2,6-Dinitrotoluene	ug/L	0.13 UJ		0.13 U	0.13 U						
2-amino-4,6-Dinitrotoluene	ug/L	0.13 UJ		0.13 U	0.13 U						
2,6-Dinitrotoluene	ug/L	0.13 UJ		0.13 U	0.13 U						
2,4-Dinitrotoluene	ug/L	0.13 UJ		0.13 U	0.13 U						

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

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SEAD-43	SEAD-43	SEAD-44	SEAD-44	SEAD-59	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60
	SAMPLE DATE	03/28/94	02/17/94	07/12/94	04/13/94	05/26/94	02/28/94	05/27/94	06/07/94	06/07/94	07/07/94
	ES ID	MW43-3R	SB43-4RRE	MW44A-1R	SS44A-1R	SB59-2-00R	SB60-1R	SB60-1-00R	SB60-2-00R	SB60-2-00RRE	MW60-2R
	LAB ID	215556	211723	226788	217677	222480	212885	222474	223338	223338	226304
	SDG NUMBER	43179	42460	45262	43535	44410	42510	44410	44410	44410	45257
	UNITS	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE
SEMIVOLATILE ORGANICS											
Phenol	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
bis(2-Chloroethyl) ether	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
2-Chlorophenol	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
1,3-Dichlorobenzene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
1,4-Dichlorobenzene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
1,2-Dichlorobenzene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
2-Methylphenol	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
4-Methylphenol	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
N-Nitroso-di-n-propylamine	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Hexachloroethane	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Nitrobenzene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Isophorone	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
2-Nitrophenol	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
2,4-Dimethylphenol	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
bis(2-Chloroethoxy) methane	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
2,4-Dichlorophenol	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
1,2,4-Trichlorobenzene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Naphthalene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
4-Chloroaniline	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Hexachlorobutadiene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
4-Chloro-3-methylphenol	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
2-Methylnaphthalene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Hexachlorocyclopentadiene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
2,4,6-Trichlorophenol	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
2,4,5-Trichlorophenol	ug/L	26 U	26 UJ	26 U	25 U	26 U	25 U	25 U	27 U		26 U
2-Chloronaphthalene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
2-Nitroaniline	ug/L	26 U	26 UJ	26 U	25 U	26 U	25 U	25 U	27 U		26 U
Dimethylphthalate	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Acenaphthylene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
2,6-Dinitrotoluene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
3-Nitroaniline	ug/L	26 U	26 UJ	26 U	25 U	26 U	25 U	25 U	27 U		26 U
Acenaphthene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
2,4-Dinitrophenol	ug/L	26 U	26 UJ	26 U	25 U	26 U	25 U	25 U	27 U		26 U
4-Nitrophenol	ug/L	26 U	26 UJ	26 U	25 U	26 U	25 U	25 U	27 U		26 U
Dibenzofuran	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
2,4-Dinitrotoluene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Diethylphthalate	ug/L	10 U	10 UJ	11 U	10 U	10 U	0.8 J	10 U	11 U		0.7 J
4-Chlorophenyl-phenyl ether	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Fluorene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
4-Nitroaniline	ug/L	26 U	26 UJ	26 U	25 U	26 U	25 U	25 U	27 U		26 U
4,6-Dinitro-2-methylphenol	ug/L	26 U	26 UJ	26 U	25 U	26 U	25 U	25 U	27 U		26 U
N-Nitrosodiphenylamine	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
4-Bromophenyl-phenyl ether	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Hexachlorobenzene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Pentachlorophenol	ug/L	26 U	26 UJ	26 U	25 U	26 U	25 U	25 U	27 U		26 U
Phenanthrene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Anthracene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Carbazole	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Di-n-butylphthalate	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		0.7 JB
Fluoranthene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Pyrene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Butylbenzylphthalate	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
3,3'-Dichlorobenzidine	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Benzo(a)anthracene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Chrysene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	14 UJ	11 U	10 U	10 U	10 U	10 U	51 U		34 B
Di-n-octylphthalate	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Benzo(b)fluoranthene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Benzo(k)fluoranthene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Benzo(a)pyrene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Dibenz(a,h)anthracene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Benzo(g,h,i)perylene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U

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

COMPOUND	UNITS	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
		LOCATION	SEAD-43	SEAD-43	SEAD-44	SEAD-44	SEAD-59	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60
		SAMPLE DATE	03/28/94	02/17/94	07/12/94	04/13/94	05/26/94	02/28/94	05/27/94	06/07/94	06/07/94	07/07/94
		ES ID	MW43-3R	SB43-4RRE	MW44A-1R	SS44A-1R	SB59-2-00R	SB60-1R	SB60-1-00R	SB60-2-00R	SB60-2-00RRE	MW60-2R
		LAB ID	215556	211723	226788	217677	222480	212885	222474	223338	223338	226304
		SDG NUMBER	43179	42460	45282	43535	44410	42510	44410	44410	44410	45257
			RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE
PESTICIDES/PCB												
alpha-BHC	ug/L	0.052 U		0.052 U	0.056 U	0.051 U	0.052 U	0.051 U	0.052 U	0.052 U		0.051 U
beta-BHC	ug/L	0.052 U		0.052 U	0.056 U	0.051 U	0.052 U	0.051 U	0.052 U	0.052 U		0.051 U
delta-BHC	ug/L	0.052 U		0.052 U	0.056 U	0.051 U	0.052 U	0.051 U	0.052 U	0.052 U		0.051 U
gamma-BHC (Lindane)	ug/L	0.052 U		0.052 U	0.056 U	0.051 U	0.052 U	0.051 U	0.052 U	0.052 U		0.051 U
Heptachlor	ug/L	0.052 U		0.052 U	0.056 U	0.051 U	0.052 U	0.051 U	0.052 U	0.052 U		0.051 U
Aldrin	ug/L	0.052 U		0.052 U	0.056 U	0.051 U	0.052 U	0.051 U	0.052 U	0.052 U		0.051 U
Heptachlor epoxide	ug/L	0.052 U		0.052 U	0.056 U	0.051 U	0.052 U	0.051 U	0.052 U	0.052 U		0.051 U
Endosulfan I	ug/L	0.052 U		0.052 U	0.056 U	0.051 U	0.052 U	0.051 U	0.052 U	0.052 U		0.051 U
Dieldrin	ug/L	0.1 U		0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
4,4'-DDE	ug/L	0.1 U		0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
Endrin	ug/L	0.1 U		0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
Endosulfan II	ug/L	0.1 U		0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
4,4'-DDD	ug/L	0.1 U		0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
Endosulfan sulfate	ug/L	0.1 U		0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
4,4'-DDT	ug/L	0.1 U		0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
Methoxychlor	ug/L	0.52 U		0.52 U	0.56 U	0.51 U	0.52 U	0.51 U	0.52 U	0.52 U		0.51 U
Endrin ketone	ug/L	0.1 U		0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
Endrin aldehyde	ug/L	0.1 U		0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U
alpha-Chlordane	ug/L	0.052 U		0.052 U	0.056 U	0.051 U	0.052 U	0.051 U	0.096 U	0.052 U		0.051 U
gamma-Chlordane	ug/L	0.052 U		0.052 U	0.056 U	0.051 U	0.052 U	0.051 U	0.1 U	0.052 U		0.051 U
Toxaphene	ug/L	5.2 U		5.2 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.2 U		5.1 U
Aroclor-1016	ug/L	1 U		1 U	1.1 U	1 U	1 U	1 U	1 U	1 U		1 U
Aroclor-1221	ug/L	2.1 U		2.1 U	2.2 U	2 U	2.1 U	2 U	2.1 U	2.1 U		2 U
Aroclor-1232	ug/L	1 U		1 U	1.1 U	1 U	1 U	1 U	1 U	1 U		1 U
Aroclor-1242	ug/L	1 U		1 U	1.1 U	1 U	1 U	1 U	1 U	1 U		1 U
Aroclor-1248	ug/L	1 U		1 U	1.1 U	1 U	1 U	1 U	1 U	1 U		1 U
Aroclor-1254	ug/L	1 U		1 U	1.1 U	1 U	1 U	1 U	1 U	1 U		1 U
Aroclor-1260	ug/L	1 U		1 U	1.1 U	1 U	1 U	1 U	1 U	1 U		1 U
METALS												
Aluminum	ug/L	25.8 J		8.7 U	187 J	23.5 J	21.9 J	35 J	25.8 J			17.6 J
Antimony	ug/L	1 U		1.3 U	1 U	1.3 U	1 U	1.3 U	1.3 U			1.3 J
Arsenic	ug/L	1.5 U		2 U	1.5 U	2 U	1.5 U	2 U	2 U			2 U
Barium	ug/L	2.2 U		2 U	2.2 U	2 U	2.2 U	2 U	2 U			2 U
Beryllium	ug/L	0.06 U		0.1 U	0.06 U	0.1 U	0.06 U	0.1 U	0.1 U			0.1 U
Cadmium	ug/L	0.1 U		0.2 U	0.1 U	0.2 U	0.1 U	0.2 U	0.2 U			0.2 U
Calcium	ug/L	170 J		40.6 U	95.6 J	45.1 J	86.8 J	40.4 U	144 J			46.6 J
Chromium	ug/L	0.4 U		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U			0.4 U
Cobalt	ug/L	0.6 U		0.5 U	0.6 U	0.5 U	0.6 U	0.5 U	0.5 U			0.5 U
Copper	ug/L	13.6 J		1.4 J	1.2 J	0.89 J	3.9 J	0.95 J	0.76 J			0.82 J
Iron	ug/L	18.3 J		15.8 J	146	11.6 U	29.3 J	14.4 J	12.7 J			11.6 U
Lead	ug/L	0.8 U		0.9 U	0.8 U	0.89 U	0.8 U	0.89 U	1.2 J			0.89 U
Magnesium	ug/L	31.4 U		34.5 U	39.3 J	34.3 U	31.4 U	34.3 U	34.4 U			34.3 U
Manganese	ug/L	0.5 U		0.2 U	1.4 J	0.2 U	1.2 J	0.27 J	0.27 J			0.2 U
Mercury	ug/L	0.03 U		0.04 U	0.03 U	0.03 U	0.04 U	0.04 J	0.03 J			0.05 J
Nickel	ug/L	0.99 J		0.7 U	3.2 J	3.1 J	0.89 J	6.9 J	3.8 J			0.69 U
Potassium	ug/L	43.6 U		47.4 U	54.6 J	47.1 U	43.6 U	47.1 U	47.3 U			47.1 U
Selenium	ug/L	1.7 U		2.7 U	1.7 U	2.7 U	1.1 J	2.7 U	2.7 U			2.7 U
Silver	ug/L	0.7 U		0.5 U	3.9 U	0.5 U	0.7 U	0.5 U	0.5 U			0.5 U
Sodium	ug/L	1520 J		498 J	1550 J	1050 J	1380 J	1500 J	1110 J			421 J
Thallium	ug/L	1.6 U		1.9 U	1.6 U	3 J	1.2 U	1.9 U	1.9 U			1.9 U
Vanadium	ug/L	0.7 U		0.5 U	0.7 U	0.5 U	0.7 U	0.5 U	0.5 U			0.5 U
Zinc	ug/L	16.5 J		2.2 U	3.7 J	6.5 J	4.1 J	3.9 J	12 J			2.2 U
Cyanide	ug/L	5 U		5 U	5 U	5 U	5.9 U	5 U	5 U			5 U
OTHER ANALYSES												
Nitrate/Nitrite-Nitrogen	mg/L	0.01 U		0.01	0.02							
Total Petroleum Hydrocarbons	mg/L	0.4 U				0.77	0.41 U	0.41	0.41 U			0.37 U

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

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

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

	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SEAD-60	SEAD-63	SEAD-63	SEAD-64	SEAD-64	SEAD-64	SEAD-69		
	SAMPLE DATE	04/20/94	06/27/94	06/28/94	04/11/94	04/11/94	06/24/94	05/17/94	02/17/94	02/17/94
	ES ID	SW60-3R	TP63-7R	TP63-11R	SS64C-1R	SS64C-1RRE	SB64D-3R	SB69-1R	DAF2-17	DAF2-17RE
	LAB ID	218492	225567	225800	217071	217071	225474	221353	211776	211776
	SDG NUMBER	43663	45062	45062	43257	43257	44799	44090	42510	42510
COMPOUND	UNITS	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	DIST. WATER	DIST. WATER
SEMIVOLATILE ORGANICS										
Phenol	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
bis(2-Chloroethyl) ether	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
2-Chlorophenol	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
1,3-Dichlorobenzene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
1,4-Dichlorobenzene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
1,2-Dichlorobenzene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
2-Methylphenol	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
2,2'-oxybis(1-Chloropropane)	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
4-Methylphenol	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
N-Nitroso-di-n-propylamine	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Hexachloroethane	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Nitrobenzene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Isophorone	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
2-Nitrophenol	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
2,4-Dimethylphenol	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
bis(2-Chloroethoxy) methane	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
2,4-Dichlorophenol	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
1,2,4-Trichlorobenzene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Naphthalene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
4-Chloroaniline	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Hexachlorobutadiene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
4-Chloro-3-methylphenol	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
2-Methylnaphthalene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Hexachlorocyclopentadiene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
2,4,6-Trichlorophenol	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
2,4,5-Trichlorophenol	ug/L	34 U	25 U	27 U	27 U	25 U	25 U	26 U	25 U	26 UJ
2-Chloronaphthalene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
2-Nitroaniline	ug/L	34 U	25 U	27 U	27 U	25 U	25 U	26 U	25 U	26 UJ
Dimethylphthalate	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Acenaphthylene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
2,6-Dinitrotoluene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
3-Nitroaniline	ug/L	34 U	25 U	27 U	27 U	25 U	25 U	26 U	25 U	26 UJ
Acenaphthene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
2,4-Dinitrophenol	ug/L	34 U	25 U	27 U	27 U	25 U	25 U	26 U	25 U	26 UJ
4-Nitrophenol	ug/L	34 U	25 U	27 U	27 U	25 U	25 U	26 U	25 U	26 UJ
Dibenzofuran	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
2,4-Dinitrotoluene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Diethylphthalate	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
4-Chlorophenyl-phenyl ether	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Fluorene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
4-Nitroaniline	ug/L	34 U	25 U	27 U	27 U	25 U	25 U	26 U	25 U	26 UJ
4,6-Dinitro-2-methylphenol	ug/L	34 U	25 U	27 U	27 U	25 U	25 U	26 U	25 U	26 UJ
N-Nitrosodiphenylamine	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
4-Bromophenyl-phenylether	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Hexachlorobenzene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Pentachlorophenol	ug/L	34 U	25 U	27 U	27 U	25 U	25 U	26 U	25 U	26 UJ
Phenanthrene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Anthracene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Carbazole	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Di-n-butylphthalate	ug/L	14 U	10 U	11 U	11 U	10 U	3 BJ	10 U	10 U	10 UJ
Fluoranthene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Pyrene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Butylbenzylphthalate	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
3,3'-Dichlorobenzidine	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Benzo(a)anthracene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Chrysene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
bis(2-Ethylhexyl)phthalate	ug/L	14 U	10 U	11 U	11 U	10 U	2 J	10 U	10 U	12 UJ
Di-n-octylphthalate	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Benzo(b)fluoranthene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Benzo(k)fluoranthene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Benzo(a)pyrene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Indeno(1,2,3-cd)pyrene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Dibenz(a,h)anthracene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Benzo(g,h,i)perylene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ

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	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SEAD-60	SEAD-63	SEAD-63	SEAD-64	SEAD-64	SEAD-64	SEAD-69		
	SAMPLE DATE	04/20/94	06/27/94	06/28/94	04/11/94	04/11/94	06/24/94	05/17/94	02/17/94	02/17/94
	ES ID	SW60-3R	TP63-7R	TP63-11R	SS64C-1R	SS64C-1RRE	SB64D-3R	SB69-1R	DAF2-17	DAF2-17RE
	LAB ID	218492	225567	225800	217071	217071	225474	221353	211776	211776
	SDG NUMBER	43663	45062	45062	43257	43257	44799	44090	42510	42510
COMPOUND	UNITS	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	DIST. WATER	DIST. WATER
PESTICIDES/PCB										
alpha-BHC	ug/L	0.054 U	0.052 UJ	0.054 U	0.052 U		0.053 U	0.052 U	0.052 U	
beta-BHC	ug/L	0.054 U	0.052 UJ	0.054 U	0.052 U		0.053 U	0.052 U	0.052 U	
delta-BHC	ug/L	0.054 U	0.052 UJ	0.054 U	0.052 U		0.053 U	0.052 U	0.052 U	
gamma-BHC (Lindane)	ug/L	0.054 U	0.052 UJ	0.054 U	0.052 U		0.053 U	0.052 U	0.052 U	
Heptachlor	ug/L	0.054 U	0.052 UJ	0.054 U	0.052 U		0.053 U	0.052 U	0.052 U	
Aldrin	ug/L	0.054 U	0.052 UJ	0.054 U	0.052 U		0.053 U	0.052 U	0.052 U	
Heptachlor epoxide	ug/L	0.054 U	0.052 UJ	0.054 U	0.052 U		0.053 U	0.052 U	0.052 U	
Endosulfan I	ug/L	0.054 U	0.052 UJ	0.054 U	0.052 U		0.053 U	0.052 U	0.052 U	
Dieldrin	ug/L	0.11 U	0.1 UJ	0.055 J	0.1 U		0.11 U	0.1 U	0.1 U	
4,4'-DDE	ug/L	0.11 U	0.1 UJ	0.11 U	0.1 U		0.11 U	0.1 U	0.1 U	
Endrin	ug/L	0.11 U	0.1 UJ	0.062 J	0.1 U		0.11 U	0.1 U	0.1 U	
Endosulfan II	ug/L	0.11 U	0.1 UJ	0.11 U	0.1 U		0.11 U	0.1 U	0.1 U	
4,4'-DDD	ug/L	0.11 U	0.1 UJ	0.11 U	0.1 U		0.11 U	0.1 U	0.1 U	
Endosulfan sulfate	ug/L	0.11 U	0.1 UJ	0.11 U	0.1 U		0.11 U	0.1 U	0.1 U	
4,4'-DDT	ug/L	0.11 U	0.1 UJ	0.1 J	0.1 U		0.11 U	0.1 U	0.1 U	
Methoxychlor	ug/L	0.54 U	0.52 UJ	0.54 U	0.52 U		0.53 U	0.52 U	0.52 U	
Endrin ketone	ug/L	0.11 U	0.1 UJ	0.11 U	0.1 U		0.11 U	0.1 U	0.1 U	
Endrin aldehyde	ug/L	0.11 U	0.1 UJ	0.11 U	0.1 U		0.11 U	0.1 U	0.1 U	
alpha-Chlordane	ug/L	0.054 U	0.052 UJ	0.054 U	0.052 U		0.053 U	0.035 U	0.052 U	
gamma-Chlordane	ug/L	0.054 U	0.052 UJ	0.054 U	0.052 U		0.053 U	0.052 U	0.052 U	
Toxaphene	ug/L	5.4 U	5.2 UJ	5.4 U	5.2 U		5.3 U	5.2 U	5.2 U	
Aroclor-1016	ug/L	1.1 U	1 UJ	1.1 U	1 U		1.1 U	1 U	1 U	
Aroclor-1221	ug/L	2.1 U	2.1 UJ	2.1 U	2.1 U		2.1 U	2.1 U	2.1 U	
Aroclor-1232	ug/L	1.1 U	1 UJ	1.1 U	1 U		1.1 U	1 U	1 U	
Aroclor-1242	ug/L	1.1 U	1 UJ	1.1 U	1 U		1.1 U	1 U	1 U	
Aroclor-1248	ug/L	1.1 U	1 UJ	1.1 U	1 U		1.1 U	1 U	1 U	
Aroclor-1254	ug/L	1.1 U	1 UJ	1.1 U	1 U		1.1 U	1 U	1 U	
Aroclor-1260	ug/L	1.1 U	1 UJ	1.1 U	1 U		1.1 U	1 U	1 U	
METALS										
Aluminum	ug/L	12.6 U	14 J	12.3 J	17.1 J		15.5 J	23 J	12.6 U	
Antimony	ug/L	0.99 U	1.3 UJ	1.3 UJ	0.99 U		1.3 U	1 U	1 U	
Arsenic	ug/L	1.5 U	2 UJ	2 UJ	1.5 U		2 U	1.5 U	1.5 U	
Barium	ug/L	2.2 U	2 UJ	2 UJ	2.2 U		2 U	2.2 U	2.2 U	
Beryllium	ug/L	0.06 U	0.1 UJ	0.1 UJ	0.06 U		0.1 U	0.06 U	0.06 U	
Cadmium	ug/L	0.1 U	0.2 UJ	0.2 UJ	0.1 U		0.2 U	0.1 U	0.1 U	
Calcium	ug/L	41 U	40.7 UJ	45.3 J	41 U		109 J	41.3 U	41.1 U	
Chromium	ug/L	0.4 U	0.4 UJ	0.4 UJ	0.4 U		0.4 U	0.55 J	0.4 U	
Cobalt	ug/L	0.6 U	0.5 UJ	0.5 UJ	0.6 U		0.5 U	0.6 U	0.6 U	
Copper	ug/L	1.7 J	1.2 J	1.2 J	1.1 J		1.4 J	1.6 J	1.1 J	
Iron	ug/L	9.6 U	20.7 J	16.1 J	15.5 J		11.6 U	10.6 J	9.7 U	
Lead	ug/L	0.79 U	0.9 UJ	0.9 UJ	0.79 U		0.9 U	0.8 U	0.8 U	
Magnesium	ug/L	31.2 U	34.6 UJ	34.5 UJ	31.2 U		34.4 U	31.4 U	31.3 U	
Manganese	ug/L	0.5 U	0.2 UJ	0.21 J	0.5 U		0.5 U	0.5 U	0.5 U	
Mercury	ug/L	0.03 U	0.04 UJ	0.04 UJ	0.03 U		0.04 U	0.03 U	0.04 U	
Nickel	ug/L	0.73 J	0.73 J	0.86 J	1.9 J		4.1 J	0.66 J	0.6 U	
Potassium	ug/L	43.3 U	47.5 UJ	47.4 UJ	43.3 U		47.3 U	43.6 U	43.4 U	
Selenium	ug/L	1.7 U	2.7 UJ	2.7 UJ	1.7 U		2.7 U	1.7 U	1.1 U	
Silver	ug/L	0.69 U	0.5 UJ	0.5 UJ	0.69 U		0.5 U	0.7 U	0.7 U	
Sodium	ug/L	1510 J	461 J	495 J	1580 J		1120 J	1650 J	1440 J	
Thallium	ug/L	1.6 U	2.2 J	2.6 J	1.6 U		2.3 J	2 J	1.2 U	
Vanadium	ug/L	0.69 U	0.5 UJ	0.5 UJ	0.69 U		0.5 U	0.7 U	0.7 U	
Zinc	ug/L	2.8 J	2.2 UJ	3.2 J	3 J		11.4 J	19.7 J	2.3 J	
Cyanide	ug/L	5 U	5 U	5 U	5 U		5 U	5 U	5 U	
OTHER ANALYSES										
Nitrate/Nitrite-Nitrogen	mg/L							0.15	0.02	
Total Petroleum Hydrocarbons	mg/L	0.41 U							0.36 U	

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

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

	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION										
	SAMPLE DATE	04/17/94	04/20/94	04/26/94	04/27/94	04/27/94	05/17/94	05/26/94	05/27/94	06/07/94	06/10/94
	ES ID	TB4-17	TB4-20	TB4-26	TB4-27	TB4-28	TB5-17	TB5-26	TB5-27	TB6-7	TB6-10
	LAB ID	218096	218494	219468	219469	219532	221358	222476	222477	223343	223917
	SDG NUMBER	43549	43663	43810	43810	43626	44090	44410	44410	44665	44748
COMPOUND	UNITS	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK
VOLATILE ORGANICS											
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	4 J	10 U	10 U	5 J	2 J	6 J	4 J	10	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

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

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

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

	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION										
	SAMPLE DATE	07/08/94	07/09/94	07/10/94	07/11/94	07/12/94	07/13/94	07/18/94	07/19/94	07/20/94	07/21/94
	ES ID	TB7-8	TB7-9	TB7-10	TB7-11	TB7-12	TB7-13	TB7-18	TB7-19	TB7-20	TB7-21
	LAB ID	226391	226394	226489	226669	226796	226797	227270	227450	227612	227736
	SDG NUMBER	45257	45257	45282	45282	45332	45332	45332	45332	45448	45448
COMPOUND	UNITS	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK
VOLATILE ORGANICS											
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U	7 J	10 U	10 U	10 U	10 U	10 U	10
Carbon Disulfide	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

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

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