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GROUNDWATER MONITORING
VALIDATED ANALYTICAL RESULTS FOR THE FIRST QUARTER 1994
ASH LANDFILL, SENECA ARMY DEPOT

PREPARED FOR:
U.S. Army Corps of Engineers
Hunstville, Alabama

PREPARED BY:

Engineering-Science, Inc.
Boston, Massachusetts

June 1994
D#12

ENGINEERING-SCIENCE, INC.

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June 24, 1994
770454-01010

Mr. Rick Suever
U.S. Army Corps of Engineers,
Huntsville Division
ATTN: CEHND-PM-EP
106 Wynn Drive
Huntsville, AL 35807-1957

SUBJECT: **First Quarter Groundwater Monitoring for 1994,**
Ash Landfill, Seneca Army Depot, Romulus, New York

Dear Mr. Suever:

Enclosed are the analytical results for the first quarter groundwater monitoring for 1994. The analytical results are divided into four major groups: volatile organic compounds, inorganics, indicator parameters and QA/QC data (Sections 1, and 2, 3 and 4 respectively, in the enclosed document). Generally, the results of the first quarter 1994 analyses are consistent with historical results.

Please do not hesitate to call me at (617) 859-2492 if you have any questions.

Sincerely,

ENGINEERING-SCIENCE, INC.

Michael Duchesneau
Project Manager

MD/cmf/D#11

Enclosure
cc: Ms. Percifield, MRD-Lab
Mr. Randy Battaglia, SEDA
Mr. Biernacki, DESCOM

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1.1 Summary of Validated Volatile Analysis Results (TCL and 524.2)

ASH LANDFILL FIRST QUARTER 1994 MONITORING
SUMMARY OF VALIDATED VOLATILE ANALYSIS RESULTS (TCL and 524.2)

	COMPOUND							
MONITORING WELL	1,2-DCE (ug/l)	TCE (ug/l)	Vinyl Chloride (ug/l)	Chloroform (ug/l)	1,2-DCA (ug/l)	Methylene Chloride (ug/l)	Benzene (ug/l)	TOTAL VOCs (ug/l)
PT-10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	ND
PT-11	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	ND
PT-12	44	58	10 U	10 U	10 U	10 U	10 U	102
PT-15	10 U	10 U	10 U	10 U	10 U	10 U	10 U	ND
PT-16	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	ND
PT-17	10 U	46	10 U	10 U	10 U	10 U	10 U	46
PT-18	1000 U	13000	1000 U	1000 U	1000 U	1000 U	1000 U	13000
PT-20	13	14	10 U	10 U	10 U	10 U	10 U	27
PT-21	12	10 U	10 U	10 U	10 U	10 U	10 U	12
PT-22	89	71	10 U	10 U	10 U	10 U	10 U	160
PT-23	10 U	10 U	10 U	10 U	10 U	10 U	10 U	ND
PT-24	59	50 U	50 U	50 U	50 U	26 U	50 U	59
PT-25	10 U	10 U	10 U	10 U	10 U	10 U	10 U	ND
PT-26	10 U	10 U	10 U	10 U	10 U	10 U	10 U	ND
MW-27	10 U	10 U	10 U	10 U	10 U	10 U	10 U	ND
MW-28	42	31	10 U	10 U	10 U	10 U	10 U	73
MW-29	80	10 U	10 U	10 U	10 U	10 U	10 U	80
MW-30	10 U	10 U	10 U	10 U	10 U	10 U	10 U	ND
MW-31	10 U	10 U	10 U	10 U	10 U	10 U	10 U	ND
MW-32	10 U	10 U	10 U	10 U	10 U	10 U	10 U	ND
MW-33	10 U	10 U	10 U	10 U	10 U	10 U	10 U	ND
MW-34	10 U	10 U	10 U	10 U	10 U	10 U	10 U	ND
MW-35D	10 U	10 U	10 U	10 U	10 U	10 U	10 U	ND
MW-36	10 U	10 U	10 U	10 U	10 U	10 U	10 U	ND
MW-37	10 U	10 U	10 U	10 U	10 U	10 U	10 U	ND
MW-38D	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	ND
MW-39	10 U	10 U	10 U	10 U	10 U	10 U	10 U	ND
MW-40	10 U	10 U	10 U	10 U	10 U	10 U	10 U	ND
MW-41D	10 U	10 U	10 U	10 U	10 U	10 U	10 U	ND
MW-42D	10 U	10 U	10 U	10 U	10 U	10 U	10 U	ND
FH-S	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	ND
FH-D	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	ND
BRN-S	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	ND

Notes:

1,2-DCE = 1,2-Dichloroethene (total)
TCE = Trichloroethene
1,2-DCA = 1,2-Dichloroethane

J = Estimated Value
U = Not detected above the concentration shown
ND = Not Detected
ug/l = micrograms per liter

1.2 Validated Volatile Analysis Results (TCL and 524.2)

ASH LANDFILL FIRST QUARTER 1994 MONITORING
VALIDATED VOLATILE ANALYSIS RESULTS (TCL)

	AL194VOC.WK3	MATRIX	WATER		WATER		WATER		WATER		WATER		WATER		
		LOCATION	ASH		ASH		ASH		ASH		ASH		ASH		
		DATE SAMPLED	2/16/94		2/19/94		2/22/94		2/16/94		2/19/94		2/20/94		
		DATE ANALYZED	2/23/94		2/24/94		2/28/94		2/23/94		2/24/94		2/25/94		
		ES ID	PT-10		PT-11		PT-12		PT-15		PT-16		PT-17		
		LAB ID	39358-27		39388-3		39406-11		39358-26		39388-2		39399-3		
	COMPOUND	UNITS													
3	CHLOROMETHANE	ug/L	10	U	10	UJ	10	U	10	U	10	UJ	10	U	100
9	BROMOMETHANE	ug/L	10	U	10	UJ	10	U	10	U	10	UJ	10	U	100
4	VINYL CHLORIDE	ug/L	10	U	10	UJ	10	U	10	U	10	UJ	10	U	100
8	CHLOROETHANE	ug/L	10	U	10	UJ	10	U	10	U	10	UJ	10	U	100
2	METHYLENE CHLORIDE	ug/L	10	U	10	UJ	10	U	10	U	10	UJ	10	U	100
1	ACETONE	ug/L	10	U	10	UJ	10	U	48	U	25	UJ	10	U	100
0	CARBON DISULFIDE	ug/L	10	U	10	UJ	10	U	10	U	10	UJ	10	U	100
4	1,1-DICHLOROETHENE	ug/L	10	U	10	UJ	10	U	10	U	10	UJ	10	U	100
8	1,1-DICHLOROETHANE	ug/L	10	U	10	UJ	10	U	10	U	10	UJ	10	U	100
-0	1,2-DICHLOROETHENE	ug/L	10	U	10	UJ	44		10	U	10	UJ	10	U	100
3	CHLOROFORM	ug/L	10	U	10	UJ	10	U	10	U	10	UJ	10	U	100
-2	1,2-DICHLOROETHANE	ug/L	10	U	10	UJ	10	U	10	U	10	UJ	10	U	100
3	2-BUTANONE	ug/L	10	U	10	UJ	10	U	10	U	10	UJ	10	U	100
8	1,1,1-TRICHLOROETHANE	ug/L	10	U	10	UJ	10	U	10	U	10	UJ	10	U	100
5	CARBON TETRACHLORIDE	ug/L	10	U	10	UJ	10	U	10	U	10	UJ	10	U	100
4	BROMODICHLOROMETHANE	ug/L	10	U	10	UJ	10	U	10	U	10	UJ	10	U	100
6	1,2-DICHLOROPROPANE	ug/L	10	U	10	UJ	10	U	10	U	10	UJ	10	U	100
1-5	Cis-1,3-DICHLOROPROPENE	ug/L	10	U	10	UJ	10	U	10	U	10	UJ	10	U	100
8	TRICHLOROETHENE	ug/L	10	U	10	UJ	58		10	U	10	UJ	46		1300
-1	DIBROMOCHLOROMETHANE	ug/L	10	U	10	UJ	10	U	10	U	10	UJ	10	U	100
5	1,1,2-TRICHLOROETHANE	ug/L	10	U	10	UJ	10	U	10	U	10	UJ	10	U	100
2	BENZENE	ug/L	10	U	10	UJ	10	U	10	U	10	UJ	10	U	100
2-6	TRANS-1,3-DICHLOROPROPENE	ug/L	10	U	10	UJ	10	U	10	U	10	UJ	10	U	100
2	BROMOFORM	ug/L	10	U	10	UJ	10	U	10	U	10	UJ	10	U	100
-1	4-METHYL-2-PENTANONE	ug/L	10	U	10	UJ	10	U	10	U	10	UJ	10	U	100
-8	2-HEXANONE	ug/L	10	U	10	UJ	10	U	10	U	10	UJ	10	U	100
-4	TETRACHLOROETHENE	ug/L	10	U	10	UJ	10	U	10	U	10	UJ	10	U	100
5	1,1,2,2-TETRACHLOROETHANE	ug/L	10	U	10	UJ	10	U	10	U	10	UJ	10	U	100
-3	TOLUENE	ug/L	10	U	10	UJ	10	U	10	U	10	UJ	10	U	100
-7	CHLOROBENZENE	ug/L	10	U	10	UJ	10	U	10	U	10	UJ	10	U	100
-4	ETHYLBENZENE	ug/L	10	U	10	UJ	10	U	10	U	10	UJ	10	U	100
-5	STYRENE	ug/L	10	U	10	UJ	10	U	10	U	10	UJ	10	U	100
)-7	XYLENES(TOTAL)	ug/L	10	U	10	UJ	10	U	10	U	10	UJ	10	U	100

ASH LANDFILL FIRST QUARTER 1994 MONITORING
VALIDATED VOLATILE ANALYSIS RESULTS (TCL)

	AL194VOC.WK3	MATRIX	WATER		WATER		WATER		WATER		WATER		WATER		W
		LOCATION	ASH		ASH		ASH		ASH		ASH		ASH		A
		DATE SAMPLED	2/21/94		2/22/94		2/21/94		2/20/94		2/20/94		2/16/94		2
		DATE ANALYZED	2/28/94		2/28/94		2/26/94		2/25/94		2/25/94		2/23/94		2
		ES ID	PT-20		PT-21		PT-22		PT-23		PT-24		PT-25		P
		LAB ID	39406-9		39406-12		39406-10		39399-1		39399-5		39358-1		3
	COMPOUND	UNITS													
	CHLOROMETHANE	ug/L	10	U	10	U	10	U	10	U	50	U	10	U	10	U
	BROMOMETHANE	ug/L	10	U	10	U	10	U	10	U	50	U	10	U	10	U
	VINYL CHLORIDE	ug/L	10	U	10	U	10	U	10	U	50	U	10	U	10	U
	CHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	50	U	10	U	10	U
	METHYLENE CHLORIDE	ug/L	10	U	10	U	10	U	10	U	26	U	10	U	10	U
	ACETONE	ug/L	10	U	10	U	10	U	10	U	50	U	10	U	10	U
	CARBON DISULFIDE	ug/L	10	U	10	U	10	U	10	U	50	U	10	U	10	U
	1,1-DICHLOROETHENE	ug/L	10	U	10	U	10	U	10	U	50	U	10	U	10	U
	1,1-DICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	50	U	10	U	10	U
0	1,2-DICHLOROETHENE	ug/L	13		12		89		10	U	59		10	U	10	U
	CHLOROFORM	ug/L	10	U	10	U	10	U	10	U	50	U	10	U	10	U
2	1,2-DICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	50	U	10	U	10	U
	2-BUTANONE	ug/L	10	U	10	U	10	U	10	U	50	U	10	U	10	U
	1,1,1-TRICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	50	U	10	U	10	U
	CARBON TETRACHLORIDE	ug/L	10	U	10	U	10	U	10	U	50	U	10	U	10	U
	BROMODICHLOROMETHANE	ug/L	10	U	10	U	10	U	10	U	50	U	10	U	10	U
	1,2-DICHLOROPROPANE	ug/L	10	U	10	U	10	U	10	U	50	U	10	U	10	U
1-5	Cis-1,3-DICHLOROPROPENE	ug/L	10	U	10	U	10	U	10	U	50	U	10	U	10	U
	TRICHLOROETHENE	ug/L	14		10	U	71		10	U	50	U	10	U	10	U
1	DIBROMOCHLOROMETHANE	ug/L	10	U	10	U	10	U	10	U	50	U	10	U	10	U
	1,1,2-TRICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	50	U	10	U	10	U
	BENZENE	ug/L	10	U	10	U	10	U	10	U	50	U	10	U	10	U
2-6	TRANS-1,3-DICHLOROPROPENE	ug/L	10	U	10	U	10	U	10	U	50	U	10	U	10	U
	BROMOFORM	ug/L	10	U	10	U	10	U	10	U	50	U	10	U	10	U
1	4-METHYL-2-PENTANONE	ug/L	10	U	10	U	10	U	10	U	50	U	10	U	10	U
6	2-HEXANONE	ug/L	10	U	10	U	10	U	10	U	50	U	10	U	10	U
4	TETRACHLOROETHENE	ug/L	10	U	10	U	10	U	10	U	50	U	10	U	10	U
5	1,1,2,2-TETRACHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	50	U	10	U	10	U
3	TOLUENE	ug/L	10	U	10	U	10	U	10	U	50	U	10	U	10	U
7	CHLOROBENZENE	ug/L	10	U	10	U	10	U	10	U	50	U	10	U	10	U
4	ETHYLBENZENE	ug/L	10	U	10	U	10	U	10	U	50	U	10	U	10	U
5	STYRENE	ug/L	10	U	10	U	10	U	10	U	50	U	10	U	10	U
-7	XYLENES(TOTAL)	ug/L	10	U	10	U	10	U	10	U	50	U	10	U	10	U

ASH LANDFILL FIRST QUARTER 1994 MONITORING
VALIDATED VOLATILE ANALYSIS RESULTS (TCL)

	AL194VOC.WK3	MATRIX	WATER		WATER		WATER		WATER		WATER		WATER		
		LOCATION	ASH		ASH		ASH		ASH		ASH		ASH		
		DATE SAMPLED	2/20/94		2/20/94		2/20/94		2/15/94		2/15/94		2/16/94		
		DATE ANALYZED	2/25/94		2/25/94		2/25/94		2/23/94		2/23/94		2/24/94		
		ES ID	MW-27		MW-28		MW-29		MW-30		MW-31		MW-32		
		LAB ID	39399-8		39399-2		39399-7		39332-2		39332-3		39358-31		
	COMPOUND	UNITS													
3	CHLOROMETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1
9	BROMOMETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1
4	VINYL CHLORIDE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1
3	CHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1
2	METHYLENE CHLORIDE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1
1	ACETONE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1
0	CARBON DISULFIDE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1
4	1,1-DICHLOROETHENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1
3	1,1-DICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1
-0	1,2-DICHLOROETHENE	ug/L	10	U	42		80		10	U	10	U	10	U	1
3	CHLOROFORM	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1
-2	1,2-DICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1
3	2-BUTANONE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1
6	1,1,1-TRICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1
5	CARBON TETRACHLORIDE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1
4	BROMODICHLOROMETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1
5	1,2-DICHLOROPROPANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1
01-5	Cis-1,3-DICHLOROPROPENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1
6	TRICHLOROETHENE	ug/L	10	U	31		10	U	10	U	10	U	10	U	1
-1	DIBROMOCHLOROMETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1
5	1,1,2-TRICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1
2	BENZENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1
02-6	TRANS-1,3-DICHLOROPROPENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1
2	BROMOFORM	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1
-1	4-METHYL-2-PENTANONE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1
-6	2-HEXANONE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1
-4	TETRACHLOROETHENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1
5	1,1,2,2-TETRACHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1
-3	TOLUENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1
-7	CHLOROBENZENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1
-4	ETHYLBENZENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1
-5	STYRENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1
0-7	XYLENES(TOTAL)	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1

ASH LANDFILL FIRST QUARTER 1994 MONITORING
VALIDATED VOLATILE ANALYSIS RESULTS (TCL)

	AL194VOC.WK3	MATRIX	WATER		WATER		WATER		WATER		WATER		WATER	
		LOCATION	ASH		ASH		ASH		ASH		ASH		ASH	
		DATE SAMPLED	2/15/94		2/22/94		2/22/94		2/18/94		2/19/94		2/18/94	
		DATE ANALYZED	2/23/94		2/25/94		2/25/94		2/24/94		2/24/94		2/24/94	
		ES ID	MW-34		MW-35D		MW-36		MW-37		MW-38D		MW-39	
		LAB ID	39332-1		39406-1		39406-2		39372-2		39366-1		39372-1	
	COMPOUND	UNITS												
3	CHLOROMETHANE	ug/L	10	U	10	U	10	U	10	U	10	UJ	10	U	10
9	BROMOMETHANE	ug/L	10	U	10	U	10	U	10	U	10	UJ	10	U	10
4	VINYL CHLORIDE	ug/L	10	U	10	U	10	U	10	U	10	UJ	10	U	10
8	CHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	UJ	10	U	10
2	METHYLENE CHLORIDE	ug/L	10	U	10	U	10	U	10	U	10	UJ	10	U	10
1	ACETONE	ug/L	10	U	10	U	10	U	10	U	10	UJ	10	U	10
9	CARBON DISULFIDE	ug/L	10	U	10	U	10	U	10	U	10	UJ	10	U	10
4	1,1-DICHLOROETHENE	ug/L	10	U	10	U	10	U	10	U	10	UJ	10	U	10
8	1,1-DICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	UJ	10	U	10
0	1,2-DICHLOROETHENE	ug/L	10	U	10	U	10	U	10	U	10	UJ	10	U	10
9	CHLOROFORM	ug/L	10	U	10	U	10	U	10	U	10	UJ	10	U	10
2	1,2-DICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	UJ	10	U	10
3	2-BUTANONE	ug/L	10	U	10	U	10	U	10	U	10	UJ	10	U	10
8	1,1,1-TRICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	UJ	10	U	10
5	CARBON TETRACHLORIDE	ug/L	10	U	10	U	10	U	10	U	10	UJ	10	U	10
4	BROMODICHLOROMETHANE	ug/L	10	U	10	U	10	U	10	U	10	UJ	10	U	10
6	1,2-DICHLOROPROPANE	ug/L	10	U	10	U	10	U	10	U	10	UJ	10	U	10
1-5	Cis-1,3-DICHLOROPROPENE	ug/L	10	U	10	U	10	U	10	U	10	UJ	10	U	10
8	TRICHLOROETHENE	ug/L	10	U	10	U	10	U	10	U	10	UJ	10	U	10
-1	DIBROMOCHLOROMETHANE	ug/L	10	U	10	U	10	U	10	U	10	UJ	10	U	10
6	1,1,2-TRICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	UJ	10	U	10
2	BENZENE	ug/L	10	U	10	U	10	U	10	U	10	UJ	10	U	10
2-6	TRANS-1,3-DICHLOROPROPENE	ug/L	10	U	10	U	10	U	10	U	10	UJ	10	U	10
2	BROMOFORM	ug/L	10	U	10	U	10	U	10	U	10	UJ	10	U	10
-1	4-METHYL-2-PENTANONE	ug/L	10	U	10	U	10	U	10	U	10	UJ	10	U	10
-8	2-HEXANONE	ug/L	10	U	10	U	10	U	10	U	10	UJ	10	U	10
-4	TETRACHLOROETHENE	ug/L	10	U	10	U	10	U	10	U	10	UJ	10	U	10
6	1,1,2,2-TETRACHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	UJ	10	U	10
-3	TOLUENE	ug/L	10	U	10	U	10	U	10	U	10	UJ	10	U	10
-7	CHLOROBENZENE	ug/L	10	U	10	U	10	U	10	U	10	UJ	10	U	10
-4	ETHYLBENZENE	ug/L	10	U	10	U	10	U	10	U	10	UJ	10	U	10
-5	STYRENE	ug/L	10	U	10	U	10	U	10	U	10	UJ	10	U	10
-7	XYLENES(TOTAL)	ug/L	10	U	10	U	10	U	10	U	10	UJ	10	U	10

ASH LANDFILL FIRST QUARTER 1994 MONITORING
VALIDATED VOLATILE ANALYSIS RESULTS (TCL)

	AL194VOC.WK3	MATRIX	WATER		WATER		WATER		WATER		WATER		WATER		
		LOCATION	ASH		ASH		ASH		ASH		ASH		ASH		
		DATE SAMPLED	2/16/94		2/17/94		2/15/94		2/16/94		2/18/94		2/19/94		
		DATE ANALYZED	2/23/94		2/23/94		2/23/94		2/23/94		2/24/94		2/24/94		
		ES ID	MW-41D		MW-42D		TB-215		TB-216		TB-218		TB-219		
		LAB ID	39358-29		39358-3		39332-4 (trip blank)		39358-4 (trip blank)		39372-3 (trip blank)		39368-4 (trip blank)		
	COMPOUND	UNITS													
3	CHLOROMETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	UJ	10
9	BROMOMETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	UJ	10
4	VINYL CHLORIDE	ug/L	10	U	10	U	10	U	10	U	10	U	10	UJ	10
8	CHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	UJ	10
2	METHYLENE CHLORIDE	ug/L	10	U	10	U	10	U	10	U	10	U	10	UJ	10
1	ACETONE	ug/L	10	U	10	U	10	U	26	U	10	U	10	UJ	22
0	CARBON DISULFIDE	ug/L	10	U	10	U	10	U	10	U	10	U	10	UJ	10
4	1,1-DICHLOROETHENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	UJ	10
8	1,1-DICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	UJ	10
-0	1,2-DICHLOROETHENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	UJ	10
8	CHLOROFORM	ug/L	10	U	10	U	10	U	10	U	10	U	10	UJ	10
-2	1,2-DICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	UJ	10
8	2-BUTANONE	ug/L	10	U	10	U	10	U	10	U	10	U	10	UJ	10
8	1,1,1-TRICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	UJ	10
5	CARBON TETRACHLORIDE	ug/L	10	U	10	U	10	U	10	U	10	U	10	UJ	10
4	BROMODICHLOROMETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	UJ	10
6	1,2-DICHLOROPROPANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	UJ	10
01-5	Cis-1,3-DICHLOROPROPENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	UJ	10
9	TRICHLOROETHENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	UJ	10
-1	DIBROMOCHLOROMETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	UJ	10
5	1,1,2-TRICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	UJ	10
2	BENZENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	UJ	10
2-6	TRANS-1,3-DICHLOROPROPENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	UJ	10
2	BROMOFORM	ug/L	10	U	10	U	10	U	10	U	10	U	10	UJ	10
-1	4-METHYL-2-PENTANONE	ug/L	10	U	10	U	10	U	10	U	10	U	10	UJ	10
-6	2-HEXANONE	ug/L	10	U	10	U	10	U	10	U	10	U	10	UJ	10
-4	TETRACHLOROETHENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	UJ	10
5	1,1,2,2-TETRACHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	UJ	10
-3	TOLUENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	UJ	10
-7	CHLOROBENZENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	UJ	10
-4	ETHYLBENZENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	UJ	10
-5	STYRENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	UJ	10
-7	XYLENES(TOTAL)	ug/L	10	U	10	U	10	U	10	U	10	U	10	UJ	10

ASH LANDFILL FIRST QUARTER 1994 MONITORING
VALIDATED VOLATILE ANALYSIS RESULTS (TCL)

	AL194VOC.WK3	MATRIX	WATER		WATER		WATER		WATER		WATER		WATER	
		LOCATION	ASH		ASH		ASH		ASH		ASH		ASH	
		DATE SAMPLED	2/21/94		2/22/94		2/18/94		2/16/94		2/21/94		2/21/94	
		DATE ANALYZED	2/26/94		2/25/94		2/23/94		2/23/94		2/25/94		2/25/94	
		ES ID	TB-221		TB-222		PT-10R		PT-150		PT-18R		PT-152	
		LAB ID	39406-8		39406-4		39358-30		39358-28		39406-7		39406-6	
			(trip blank)		(trip blank)		(PT-10 Rinsate)		(Duplicate of PT-10)		(PT-18 Rinsate)		(Duplicate of PT-18)	
	COMPOUND	UNITS												
3	CHLOROMETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	1000	U
9	BROMOMETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	1000	U
4	VINYL CHLORIDE	ug/L	10	U	10	U	10	U	10	U	10	U	1000	U
3	CHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	1000	U
2	METHYLENE CHLORIDE	ug/L	10	U	10	U	10	U	10	U	10	U	1000	U
1	ACETONE	ug/L	20	U	10	U	22	U	10	U	10	U	1000	U
9	CARBON DISULFIDE	ug/L	10	U	10	U	10	U	10	U	10	U	1000	U
4	1,1-DICHLOROETHENE	ug/L	10	U	10	U	10	U	10	U	10	U	1000	U
3	1,1-DICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	1000	U
0	1,2-DICHLOROETHENE	ug/L	10	U	10	U	10	U	10	U	10	U	480	J
3	CHLOROFORM	ug/L	10	U	10	U	10	U	10	U	10	U	1000	U
2	1,2-DICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	1000	U
3	2-BUTANONE	ug/L	10	U	10	U	10	U	10	U	10	U	1000	U
9	1,1,1-TRICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	1000	U
5	CARBON TETRACHLORIDE	ug/L	10	U	10	U	10	U	10	U	10	U	1000	U
3	BROMODICHLOROMETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	1000	U
5	1,2-DICHLOROPROPANE	ug/L	10	U	10	U	10	U	10	U	10	U	1000	U
1-5	Cis-1,3-DICHLOROPROPENE	ug/L	10	U	10	U	10	U	10	U	10	U	1000	U
8	TRICHLOROETHENE	ug/L	10	U	10	U	10	U	10	U	10	U	13000	
-1	DIBROMOCHLOROMETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	1000	U
5	1,1,2-TRICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	1000	U
2	BENZENE	ug/L	10	U	10	U	10	U	10	U	10	U	1000	U
2-6	TRANS-1,3-DICHLOROPROPENE	ug/L	10	U	10	U	10	U	10	U	10	U	1000	U
2	BROMOFORM	ug/L	10	U	10	U	10	U	10	U	10	U	1000	U
-1	4-METHYL-2-PENTANONE	ug/L	10	U	10	U	10	U	10	U	10	U	1000	U
6	2-HEXANONE	ug/L	10	U	10	U	10	U	10	U	10	U	1000	U
-4	TETRACHLOROETHENE	ug/L	10	U	10	U	10	U	10	U	10	U	1000	U
5	1,1,2,2-TETRACHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	1000	U
-3	TOLUENE	ug/L	10	U	10	U	10	U	10	U	10	U	1000	U
-7	CHLOROBENZENE	ug/L	10	U	10	U	10	U	10	U	10	U	1000	U
-4	ETHYLBENZENE	ug/L	10	U	10	U	10	U	10	U	10	U	1000	U
-5	STYRENE	ug/L	10	U	10	U	10	U	10	U	10	U	1000	U
-7	XYLENES(TOTAL)	ug/L	10	U	10	U	10	U	10	U	10	U	1000	U

ASH LANDFILL FIRST QUARTER 1994 MONITORING
VALIDATED VOLATILE ANALYSIS RESULTS (524.2)

A194524.WK3		MATRIX	WATER	WATER	WATER	WATER
		LOCATION	ASH	ASH	ASH	ASH
		DATE SAMPLED	3/03/94	3/03/94	3/03/94	3/03/94
		DATE ANALYZED	3/09/94	3/09/94	3/09/94	3/09/94
		ES ID	FH-D	FH-S	BRN-S	TB-33
		LAB ID	39517-080	39517-081	39517-078	39517-079
CAS No.	COMPOUND	UNITS				(trip blank)
	VOLATILE ORGANIC COMPOUNDS					
74-87-3	Chloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
630-20-6	1,1,1,2-Tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
74-83-9	Bromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
79-34-5	1,1,2,2-Tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
75-71-8	Dichlorodifluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
96-18-4	1,2,3-Trichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
75-01-4	Vinyl chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
127-18-4	Tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
75-00-3	Chloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
96-12-8	1,2-Dibromo-3-chloropropane	ug/L	2 U	2 U	2 U	2 U
75-09-2	Methylene chloride	ug/L	1 U	1 U	1 U	1 U
87-68-3	Hexachlorobutadiene	ug/L	1 U	1 U	1 U	1 U
75-69-4	Trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
71-43-2	Benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
75-35-4	1,1-Dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
108-88-3	Toluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
74-97-5	Bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
108-90-7	Chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
75-34-3	1,1-Dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
100-41-4	Ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
156-59-4	1,2-Dichloroethene (cis)	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
108-86-1	Bromobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
156-60-5	1,2-Dichloroethene (trans)	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
98-82-8	Isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
67-66-3	Chloroform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
1330-20-7	Xylene (total)	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
74-95-3	Dibromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
100-42-5	Styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
107-06-2	1,2-Dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
103-65-1	n-Propylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
590-20-7	2,2-Dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
98-06-6	tert-Butylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
71-55-6	1,1,1-Trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
95-49-8	2-Chlorotoluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
56-23-5	Carbon Tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
106-43-4	4-Chlorotoluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
75-27-4	Bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
135-98-8	sec-Butylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
78-87-5	1,2-Dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
541-73-1	1,3-Dichlorobenzene	ug/L	1 U	1 U	1 U	1 U
563-58-6	1,1-Dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
95-50-1	1,2-Dichlorobenzene	ug/L	1 U	1 U	1 U	1 U
10061-01-5	cis-1,3-Dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
106-46-7	1,4-Dichlorobenzene	ug/L	1 U	1 U	1 U	1 U
10061-02-6	trans-1,3-Dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
99-87-6	p-Isopropyltoluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
79-01-6	Trichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
108-67-8	1,3,5-Trimethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
124-48-1	Dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
104-51-8	n-Butylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
79-00-5	1,1,2-Trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
95-63-6	1,2,4-Trimethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
142-28-9	1,3-Dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
120-82-1	1,2,4-Trichlorobenzene	ug/L	2 U	2 U	2 U	2 U
106-93-4	1,2-Dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
87-61-6	1,2,3-Trichlorobenzene	ug/L	2 U	2 U	2 U	2 U
75-25-2	Bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
91-20-3	Naphthalene	ug/L	2 U	2 U	2 U	2 U
67-64-1	Acetone	ug/L	ND	ND	ND	ND
78-93-3	2-Butanone	ug/L	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ug/L	ND	ND	ND	ND
591-78-6	2-Hexanone	ug/L	ND	ND	ND	ND

NOTE: ND stand for Not Detected.

1.3 Summary of Volatile Historical Data for Selected Wells

Note: The monitoring wells that have been included in this section are only those for which elevated levels of VOAs have been historically identified

SUMMARY OF HISTORICAL DATA FOR MONITORING WELL PT–12
ASH LANDFILL
SENECA ARMY DEPOT
ROMULUS, NEW YORK

Parameter	Source: Date:	Galson Aug 1987	Galson Oct 1987	Galson Mar 1989	Galson Sept 1989	NET Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NET Dec 1990	NET Mar 1991	NE June 199
VOLATILE ORGANICS	**Units**											
omethane	ug/L	<5	<5	10U	50U	<1.0	<5.0	<5.0	51.0	<10	<1.0	<1
oform	ug/L	<5	<5	5U	50U	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
Chloride	ug/L	<5	<5	10U	17	7	<2.0	<2.0	140	<10	<1.0	3
ethane	ug/L	<5	<5	10U	50U	<1.0	<5.0	<5.0	<1.0	<10	<1.0	30.
ene Chloride	ug/L	<5	<5	5U	25U	<1.0	<5.0	<5.0	<1.0	<10	2.0	<1
Trichloroethane	ug/L	<5	<5	5U	25U	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
ichloroethane	ug/L	<5	<5	5U	25U	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
ichloroethene	ug/L	<5	<5	5U	25U	1.5	<5.0	<5.0	<1.0	<10	<1.0	<1
oroethene	ug/L	1700	94	68	950	129	100	790	3100	870	130	210
hloroethene	ug/L	<5	<5	5U	25U	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
orofluoromethane	ug/L	<5	<5	5U	25U	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
1,2–Dichloroethene	ug/L	<5	95.0	5U	25U	<1.0	<5.0	<5.0	<1.0	<10	1.0	51.
2–Dichloroethene	ug/L	–	–	–	–	–	–	–	–	–	–	
ichloroethene (total)	ug/L	–	–	43.0	1000.0	–	–	–	–	–	–	

Notes:

Galson = Galson Laboratories
NET = National Environmental Testing
GTC = General Testing Corporation
ES = Engineering–Science, Inc. (PACE Laboratory)
– = No Data

SUMMARY OF HISTORICAL DATA FOR MONITORING WELL PT–12
ASH LANDFILL
SENECA ARMY DEPOT
ROMULUS, NEW YORK

Parameter	Source: Date:	NET Dec 1991	NET Mar 1992	NET June 1992	Sept 1992	GTC Dec 1992	ES Jan 1993	ES April 1993	ES July 1993	ES Nov 1993	ES Jan 1994
VOLATILE ORGANICS	Units										
omethane	ug/L	<1.0	<1.0	<1.0	–	5U	20U	10U	120U	10U	10U
form	ug/L	<1.0	<1.0	<1.0	–	5U	20U	10U	120U	10U	10U
hloride	ug/L	1.5	<1.0	14	–	5U	9	10U	100J	10U	10U
ethane	ug/L	<1.0	<1.0	<1.0	–	5U	20U	10U	120U	10U	10U
ene Chloride	ug/L	<1.0	<1.0	<1.0	–	5U	20U	10U	63J	10U	10U
Trichloroethane	ug/L	<1.0	<1.0	<1.0	–	5U	20U	10U	120U	10U	10U
ichloroethane	ug/L	<1.0	<1.0	<1.0	–	5U	20U	10U	120U	10U	10U
ichloroethene	ug/L	<1.0	<1.0	<1.0	–	5U	20U	10U	120U	10U	10U
roethene	ug/L	170	119	323	–	1800	260	45	1400	95	58
hloroethene	ug/L	<1.0	<1.0	<1.0	–	5U	20U	10U	120U	10U	10U
rofluoromethane	ug/L	<1.0	<1.0	<1.0	–	5U	–	–	–	–	–
1,2–Dichloroethene	ug/L	2.7	<1.0	5.8	–	54	–	–	–	–	–
2–Dichloroethene	ug/L	–	–	–	–	2800	–	–	–	–	–
ichloroethene (total)	ug/L	–	–	–	–	–	320	36	2000	81	44

Notes:

Galson = Galson Laboratories
NET = National Environmental Testing
GTC = General Testing Corporation
ES = Engineering–Science, Inc. (PACE Laboratory)
– = No Data

SUMMARY OF HISTORICAL DATA FOR MONITORING WELL PT–17
ASH LANDFILL
SENECA ARMY DEPOT
ROMULUS, NEW YORK

Parameter	Source: Date:	Galson Aug 1987	Galson OCT 1987	Galson Mar 1989	Galson Sept 1989	NET Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NET Dec 1990	NET Mar 1991	NET June 199
VOLATILE ORGANICS	Units											
methane	ug/L	–	–	10U	<20	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
form	ug/L	–	–	10U	<20	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
hloride	ug/L	–	–	10U	<20	<1.0	<2.0	<2.0	<1.0	<10	<1.0	<1
ethane	ug/L	–	–	5U	<20	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
ene Chloride	ug/L	–	–	5U	<10	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
Trichloroethane	ug/L	–	–	5U	<10	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
chloroethane	ug/L	–	–	5U	<10	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
chloroethene	ug/L	–	–	5U	<10	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
roethene	ug/L	–	–	59	240	170	90	400	340	92	220	46
loroethene	ug/L	–	–	5U	<10	<1.0	<5.0	<5.0	<1.0	<10	18.0	<1
rofluoromethane	ug/L	–	–	5U	<10	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
1,2–Dichloroethene	ug/L	–	–	5U	<10	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
2–Dichloroethene	ug/L	–	–	–	–	–	–	–	–	–	–	-
chloroethene (total)	ug/L	–	–	–	46	–	–	–	–	–	–	-

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SUMMARY OF HISTORICAL DATA FOR MONITORING WELL PT–17
ASH LANDFILL
SENECA ARMY DEPOT
ROMULUS, NEW YORK

Parameter	Source: Date:	NET Dec 1991	NET Mar 1992	NET June 1992	Sept 1992	GTC Dec 1992	ES Jan 1993	ES April 1993	ES July 1993	ES Nov 1993	ES Jan 1994
VOLATILE ORGANICS	**Units**										
methane	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	11U	10U	10U
form	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	11U	10U	10U
hloride	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	11U	10U	10U
ethane	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	11U	10U	10U
ene Chloride	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	11U	10U	10U
Trichloroethane	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	11U	10U	10U
chloroethane	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	11U	10U	10U
chloroethene	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	11U	10U	10U
roethene	ug/L	75.1	100	72.4	–	160	140	27	210	100	46
hloroethene	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	11U	10U	10U
rofluoromethane	ug/L	<1.0	<1.0	<1.0	–	5U	–	–	–	–	–
1,2–Dichloroethene	ug/L	<1.0	<1.0	<1.0	–	5U	–	–	–	–	–
2–Dichloroethene	ug/L	–	–	–	–	35	–	–	–	–	–
chloroethene (total)	ug/L	–	–	–	–	–	27	3J	44	12	10U

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SUMMARY OF HISTORICAL DATA FOR MONITORING WELL PT–18
ASH LANDFILL
SENECA ARMY DEPOT
ROMULUS, NEW YORK

Parameter	Source: Date:	Galson Aug 1987	Galson OCT 1987	Galson Mar 1989	Galson Sept 1989	NET Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NET Dec 1990	NET Mar 1991	NET June 199
VOLATILE ORGANICS	**Units**											
methane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
form	ug/L	–	–	–	–	86	230	<5.0	610	700	490	49
hloride	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
ethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
ene Chloride	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
Trichloroethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
chloroethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
chloroethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
roethene	ug/L	–	–	–	–	2500	7600	5900	17000	22000	15000	1200
loroethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	250	<1
rofluoromethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
1,2–Dichloroethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
2–Dichloroethene	ug/L	–	–	–	–	–	–	–	–	–	–	-
ichloroethene (total)	ug/L	–	–	–	–	–	–	–	–	–	–	-

Notes:

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SUMMARY OF HISTORICAL DATA FOR MONITORING WELL PT–18
ASH LANDFILL
SENECA ARMY DEPOT
ROMULUS, NEW YORK

Parameter	Source: Date:	NET Dec 1991	NET Mar 1992	NET June 1992	Sept 1992	GTC Dec 1992	ES Jan 1993	ES April 1993	ES July 1993	ES Nov 1993	ES Jan 1994
VOLATILE ORGANICS	Units										
methane	ug/L	<1.0	<1.0	<100	–	5U	1000U	1000U	830U	1000U	1000U
form	ug/L	157	11.7	175	–	270	200	300J	830U	1000U	1000U
hloride	ug/L	<1.0	<1.0	<100	–	10	1000U	1000U	830U	1000U	1000U
ethane	ug/L	<1.0	<1.0	<100	–	5U	1000U	1000U	830U	1000U	1000U
ene Chloride	ug/L	<1.0	<1.0	<100	–	5U	1000U	1000U	830U	1000U	1000U
Trichloroethane	ug/L	<1.0	<1.0	<100	–	5U	1000U	1000U	830U	1000U	1000U
ichloroethane	ug/L	<1.0	<1.0	<100	–	5U	1000U	1000U	830U	1000U	1000U
ichloroethene	ug/L	1.7	<1.0	<100	–	5U	1000U	1000U	830U	1000U	1000U
roethene	ug/L	3710	9840	7920	–	14000	10000	16000	13000	9500	13000
hloroethene	ug/L	<1.0	<1.0	<100	–	5U	1000U	1000U	830U	1000U	1000U
rofluoromethane	ug/L	<1.0	<1.0	<100	–	5U	–	–	–	–	–
1,2–Dichloroethene	ug/L	3.0	<1.0	<100	–	5U	–	–	–	–	–
2–Dichloroethene	ug/L	–	–	–	–	700	–	–	–	–	–
ichloroethene (total)	ug/L	–	–	–	–	–	440	450	590J	1000U	1000U

Notes:

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SUMMARY OF HISTORICAL DATA FOR MONITORING WELL PT–20
ASH LANDFILL
SENECA ARMY DEPOT
ROMULUS, NEW YORK

Parameter	Source: Date:	Galson Aug 1987	Galson OCT 1987	Galson Mar 1989	Galson Sept 1989	NET Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NET Dec 1990	NET Mar 1991	NET June 199
VOLATILE ORGANICS	**Units**											
methane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
form	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
hloride	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
ethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
ene Chloride	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
Trichloroethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
chloroethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
chloroethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
roethene	ug/L	–	–	–	–	23	26	46	52	35	35	3
loroethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
rofluoromethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
1,2–Dichloroethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
2–Dichloroethene	ug/L	–	–	–	–	–	–	–	–	–	–	–
chloroethene (total)	ug/L	–	–	–	–	–	–	–	–	–	–	–

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– = No Data

SUMMARY OF HISTORICAL DATA FOR MONITORING WELL PT–20
ASH LANDFILL
SENECA ARMY DEPOT
ROMULUS, NEW YORK

Parameter	Source: Date:	NET Dec 1991	NET Mar 1992	NET June 1992	Sept 1992	GTC Dec 1992	ES Jan 1993	ES April 1993	ES July 1993	ES Nov 1993	ES Jan 1994
VOLATILE ORGANICS	Units										
methane	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
orm	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
hloride	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
ethane	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
ene Chloride	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
Trichloroethane	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
chloroethane	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
chloroethene	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
roethene	ug/L	34	21	18	–	24	23	6J	32	31	14
loroethene	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
rofluoromethane	ug/L	<1.0	<1.0	<1.0	–	5U	–	–	–	–	–
1,2–Dichloroethene	ug/L	<1.0	<1.0	<1.0	–	5U	–	–	–	–	–
2–Dichloroethene	ug/L	–	–	–	–	26	–	–	–	–	–
chloroethene (total)	ug/L	–	–	–	–	–	26	7J	49	40	13

Notes:

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SUMMARY OF HISTORICAL DATA FOR MONITORING WELL PT–21
ASH LANDFILL
SENECA ARMY DEPOT
ROMULUS, NEW YORK

Parameter	Source: Date:	Galson Aug 1987	Galson Oct 1987	Galson Mar 1989	Galson Sept 1989	NET Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NET Dec 1990	NET Mar 1991	NET June 199
VOLATILE ORGANICS	Units											
methane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
form	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
hloride	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
ethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
ene Chloride	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
Trichloroethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	2.0	<1.0	<1
chloroethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	1.0	<1
chloroethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
roethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	1.0	3.0	3.0	2.
ie	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
loroethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	5.0	<1.0	<1
rofluoromethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	5.0	<1.0	<1
1,2–Dichloroethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
2–Dichloroethene	ug/L	–	–	–	–	–	–	–	–	–	–	-
chloroethene (total)	ug/L	–	–	–	–	–	–	–	–	–	–	-

Notes:

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– = No Data

SUMMARY OF HISTORICAL DATA FOR MONITORING WELL PT–21
ASH LANDFILL
SENECA ARMY DEPOT
ROMULUS, NEW YORK

Parameter	Source: Date:	NET Dec 1991	NET Mar 1992	NET June 1992	Sept 1992	GTC Dec 1992	ES Jan 1993	ES April 1993	ES July 1993	ES Nov 1993	ES Jan 1994
VOLATILE ORGANICS	**Units**										
methane	ug/L	<1.0	<1.0	<1.0	–	5U	–	10U	10U	10U	10U
form	ug/L	<1.0	<1.0	<1.0	–	5U	–	10U	10U	10U	10U
hloride	ug/L	<1.0	<1.0	<1.0	–	5U	–	10U	10U	10U	10U
ethane	ug/L	<1.0	<1.0	<1.0	–	5U	–	10U	10U	10U	10U
ene Chloride	ug/L	<1.0	<1.0	<1.0	–	5U	–	10U	10U	10U	10U
Trichloroethane	ug/L	<1.0	<1.0	<1.0	–	5U	–	10U	10U	10U	10U
chloroethane	ug/L	<1.0	<1.0	<1.0	–	5U	–	10U	10U	10U	10U
chloroethene	ug/L	<1.0	<1.0	<1.0	–	5U	–	10U	10U	10U	10U
roethene	ug/L	2.5	2.4	2.3	–	5U	–	10U	3J	5J	10U
ne	ug/L	<1.0	<1.0	<1.0	–	5U	–	10U	6J	10U	10U
loroethene	ug/L	<1.0	<1.0	<1.0	–	5U	–	10U	10U	10U	10U
rofluoromethane	ug/L	<1.0	<1.0	<1.0	–	5U	–	–	–	–	–
1,2–Dichloroethene	ug/L	<1.0	<1.0	<1.0	–	5U	–	–	–	–	–
2–Dichloroethene	ug/L	–	–	–	–	17	–	–	–	–	–
chloroethene (total)	ug/L	–	–	–	–	–	–	10	13	18	12

Notes:

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– = No Data

SUMMARY OF HISTORICAL DATA FOR MONITORING WELL PT–22
ASH LANDFILL
SENECA ARMY DEPOT
ROMULUS, NEW YORK

Parameter	Source: Date:	Galson Aug 1987	Galson OCT 1987	Galson Mar 1989	Galson Sept 1989	NET Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NET Dec 1990	NET Mar 1991	NET June 199
VOLATILE ORGANICS	**Units**											
methane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
form	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
hloride	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
ethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
ene Chloride	ug/L	–	–	–	–	<1.0	<5.0	6.0	<1.0	<10	<1.0	<1
Trichloroethane	ug/L	–	–	–	–	1.0	<5.0	<5.0	<1.0	<10	1.0	<1
ichloroethane	ug/L	–	–	–	–	7.0	6.0	10.0	8.0	7.0	8.0	8.
ichloroethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
roethene	ug/L	–	–	–	–	87	100	200	87	93	110	10
hloroethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
rofluoromethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
1,2–Dichloroethene	ug/L	–	–	–	–	4.0	<5.0	<5.0	<1.0	4.0	4.0	3.
2–Dichloroethene	ug/L	–	–	–	–	–	–	–	–	–	–	-
ichloroethene (total)	ug/L	–	–	–	–	–	–	–	–	–	–	-

Notes:

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– = No Data

SUMMARY OF HISTORICAL DATA FOR MONITORING WELL PT–22
ASH LANDFILL
SENECA ARMY DEPOT
ROMULUS, NEW YORK

Parameter	Source: Date:	NET Dec 1991	NET Mar 1992	NET June 1992	Sept 1992	GTC Dec 1992	ES Jan 1993	ES April 1993	ES July 1993	ES Nov 1993	ES Jan 1994
VOLATILE ORGANICS	**Units**										
omethane	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
form	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
hloride	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
ethane	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
ene Chloride	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
Trichloroethane	ug/L	1.3	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
ichloroethane	ug/L	3.0	4.4	<1.0	–	5.2	5.0	3J	5J	5J	10U
ichloroethene	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
roethene	ug/L	69.3	73.9	98.9	–	89	89	79	87	92	71
hloroethene	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
rofluoromethane	ug/L	<1.0	<1.0	<1.0	–	5U	–	–	–	–	–
1,2–Dichloroethene	ug/L	1.4	1.7	2.4	–	5U	–	–	–	–	–
2–Dichloroethene	ug/L	–	–	–	–	150	–	–	–	–	–
ichloroethene (total)	ug/L	–	–	–	–	–	140	140	140	140	89

Notes:

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– = No Data

SUMMARY OF HISTORICAL DATA FOR MONITORING WELL PT–23
ASH LANDFILL
SENECA ARMY DEPOT
ROMULUS, NEW YORK

Parameter	Source: Date:	Galson Aug 1987	Galson OCT 1987	Galson Mar 1989	Galson Sept 1989	NET Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NET Dec 1990	NET Mar 1991	NE June 199
VOLATILE ORGANICS	**Units**											
omethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
oform	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
Chloride	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
ethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
lene Chloride	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
-Trichloroethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
ichloroethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
ichloroethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
roethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
hloroethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
rofluoromethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
-1,2–Dichloroethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
2–Dichloroethene	ug/L	–	–	–	–	–	–	–	–	–	–	
ichloroethene (total)	ug/L	–	–	–	–	–	–	–	–	–	–	

Notes:

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ES = Engineering–Science, Inc. (PACE Laboratory)
– = No Data

SUMMARY OF HISTORICAL DATA FOR MONITORING WELL PT–23
ASH LANDFILL
SENECA ARMY DEPOT
ROMULUS, NEW YORK

Parameter	Source: Date:	NET Dec 1991	NET Mar 1992	NET June 1992	Sept 1992	GTC Dec 1992	ES Jan 1993	ES April 1993	ES July 1993	ES Nov 1993	ES Jan 1994
VOLATILE ORGANICS	**Units**										
methane	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
form	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
hloride	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
ethane	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
ene Chloride	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
Trichloroethane	ug/L	7.9	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
ichloroethane	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
ichloroethene	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
roethene	ug/L	<1.0	<1.0	<1.0	–	5U	1.0	10U	10U	10U	10U
nloroethene	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
rofluoromethane	ug/L	3.0	<1.0	<1.0	–	5U	–	–	–	–	–
1,2–Dichloroethene	ug/L	<1.0	<1.0	<1.0	–	5U	–	–	–	–	–
2–Dichloroethene	ug/L	–	–	–	–	5U	–	–	–	–	–
ichloroethene (total)	ug/L	–	–	–	–	–	1.0	10U	10U	10U	10U

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– = No Data

SUMMARY OF HISTORICAL DATA FOR MONITORING WELL PT–24
ASH LANDFILL
SENECA ARMY DEPOT
ROMULUS, NEW YORK

Parameter	Source: Date:	Galson Aug 1987	Galson OCT 1987	Galson Mar 1989	Galson Sept 1989	NET Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NET Dec 1990	NET Mar 1991	NET June 199
VOLATILE ORGANICS	**Units**											
methane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	–	<1
form	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	–	<1
hloride	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	–	<1
ethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	–	<1
ene Chloride	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	–	<1
Trichloroethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	1.0	1.0	–	1.
chloroethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	–	<1
chloroethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	–	<1
roethene	ug/L	–	–	–	–	4.0	6.0	9.0	2.0	6.0	–	8.
loroethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	–	<1
rofluoromethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	–	<1
1,2–Dichloroethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	–	<1
2–Dichloroethene	ug/L	–	–	–	–	–	–	–	–	–	–	-
chloroethene (total)	ug/L	–	–	–	–	–	–	–	–	–	–	-

Notes:

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– = No Data

SUMMARY OF HISTORICAL DATA FOR MONITORING WELL PT–24
ASH LANDFILL
SENECA ARMY DEPOT
ROMULUS, NEW YORK

Parameter	Source: Date:	NET Dec 1991	NET Mar 1992	NET June 1992	Sept 1992	GTC Dec 1992	ES Jan 1993	ES April 1993	ES July 1993	ES Nov 1993	ES Jan 1994
VOLATILE ORGANICS	**Units**										
methane	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
form	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
hloride	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
ethane	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
ene Chloride	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	26U
Trichloroethane	ug/L	126	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
chloroethane	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
chloroethene	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
roethene	ug/L	2.8	4.4	6.2	–	6.7	7.0	5J	6J	4J	50U
loroethene	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
rofluoromethane	ug/L	<1.0	<1.0	<1.0	–	5U	–	–	–	–	–
1,2–Dichloroethene	ug/L	<1.0	<1.0	<1.0	–	5U	–	–	–	–	–
2–Dichloroethene	ug/L	–	–	–	–	110	–	–	–	–	–
chloroethene (total)	ug/L	–	–	–	–	–	100	81	99	72	59

Notes:

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– = No Data

SUMMARY OF HISTORICAL DATA FOR MONITORING WELL MW–28
ASH LANDFILL
SENECA ARMY DEPOT
ROMULUS, NEW YORK

Parameter	Source: Date:	Galson Aug 1987	Galson OCT 1987	Galson Mar 1989	Galson Sept 1989	NET Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NET Dec 1990	NET Mar 1991	NE June 199
VOLATILE ORGANICS	Units											
omethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
oform	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
Chloride	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
ethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
ene Chloride	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
-Trichloroethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
ichloroethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
ichloroethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
roethene	ug/L	–	–	–	–	27.0	37.0	39.0	28.0	36.0	30.0	39.
hloroethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
rofluoromethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
-1,2–Dichloroethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<1
2–Dichloroethene	ug/L	–	–	–	–	–	–	–	–	–	–	
ichloroethene (total)	ug/L	–	–	–	–	–	–	–	–	–	–	

Notes:

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– = No Data

SUMMARY OF HISTORICAL DATA FOR MONITORING WELL MW-28
ASH LANDFILL
SENECA ARMY DEPOT
ROMULUS, NEW YORK

Parameter	Source: Date:	NET Dec 1991	NET Mar 1992	NET June 1992	Sept 1992	GTC Dec 1992	ES Jan 1993	ES April 1993	ES July 1993	ES Nov 1993	ES Jan 1994
VOLATILE ORGANICS	**Units**										
methane	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
form	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
hloride	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
ethane	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
ene Chloride	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
Trichloroethane	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
chloroethane	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
chloroethene	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
roethene	ug/L	30.2	28.4	25.8	–	30	30	22	31	28	31
loroethene	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
rofluoromethane	ug/L	<1.0	<1.0	<1.0	–	5U	–	–	–	–	–
1,2-Dichloroethene	ug/L	<1.0	<1.0	<1.0	–	5U	–	–	–	–	–
2-Dichloroethene	ug/L	–	–	–	–	51	–	–	–	–	–
chloroethene (total)	ug/L	–	–	–	–	–	47	41	54	43	42

Notes:

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SUMMARY OF HISTORICAL DATA FOR MONITORING WELL MW–29
ASH LANDFILL
SENECA ARMY DEPOT
ROMULUS, NEW YORK

Parameter	Source: Date:	Galson Aug 1987	Galson OCT 1987	Galson Mar 1989	Galson Sept 1989	NET Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NET Dec 1990	NET Mar 1991	NE June 199
VOLATILE ORGANICS	**Units**											
methane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10	<1.0	<1
form	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10	<1.0	<1
hloride	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10	<1.0	<1
ethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10	<1.0	<1
ene Chloride	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10	<1.0	<1
Trichloroethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	1.0	<1.0	2.
ichloroethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10	<1.0	<1
ichloroethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10	<1.0	<1
roethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10	<1.0	1.
ichloroethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10	<1.0	1.
hloroethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10	<1.0	<1
rofluoromethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10	<1.0	<1
1,2–Dichloroethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10	<1.0	<1
2–Dichloroethene	ug/L	–	–	–	–	–	–	–	–	–	–	
ichloroethene (total)	ug/L	–	–	–	–	–	–	–	–	–	–	

Notes:

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– = No Data

SUMMARY OF HISTORICAL DATA FOR MONITORING WELL MW-29
ASH LANDFILL
SENECA ARMY DEPOT
ROMULUS, NEW YORK

Parameter	Source: Date:	NET Dec 1991	NET Mar 1992	NET June 1992	Sept 1992	GTC Dec 1992	ES Jan 1993	ES April 1993	ES July 1993	ES Nov 1993	ES Jan 1994
VOLATILE ORGANICS	**Units**										
methane	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
form	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
hloride	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
ethane	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
ene Chloride	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
Trichloroethane	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
ichloroethane	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
ichloroethene	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
roethene	ug/L	1.2	<1.0	<1.0	–	5U	2	10U	10U	10U	10U
ichloroethane	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
hloroethene	ug/L	<1.0	<1.0	<1.0	–	5U	10U	10U	10U	10U	10U
rofluoromethane	ug/L	<1.0	<1.0	<1.0	–	5U	–	–	–	–	–
1,2-Dichloroethene	ug/L	<1.0	<1.0	<1.0	–	5U	–	–	–	–	–
2-Dichloroethene	ug/L	–	–	–	–	67	–	–	–	–	–
ichloroethene (total)	ug/L	–	–	–	–	–	70	78	97	63	80

Notes:

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– = No Data

Section 2.0
Inorganics

ASH LANDFILL FIRST QUARTER 1994 MONITORING
VALIDATED METALS ANALYSIS RESULTS

T.WK3	MATRIX			WATER		WATER		WATER		WATER		WATER		WATER		WA
	LOCATION			ASH		ASH		ASH		ASH		ASH		ASH		ASI
	DATE SAMPLED			2/16/94		2/19/94		2/22/94		2/16/94		2/19/94		2/20/94		2/2
	DATE ANALYZED			2/23/94		2/24/94		2/28/94		2/23/94		2/24/94		2/25/94		2/2
	ES ID			PT-10		PT-11		PT-12		PT-15		PT-16		PT-17		PT-
	LAB ID			39358-039		39388-010		39406-033		39358-038		39388-009		39399-016		394
	UNITS															
M	ug/L	61.2	J R	1250	R	1680		356	R	17.9	U	88.4	J	154	J	
NY	ug/L	15.6	U	15.6	U	15.6	U	15.6	U	15.6	U	15.6	U	15.6	U	
	ug/L	2.9	U	2.9	U	2.9	U	2.9	U	2.9	U	2.9	U	2.9	U	
	ug/L	185	J	61.9	J	26.3	J	76.3	J	27.6	J	18.5	J	12.6	J	
UM	ug/L	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	
M	ug/L	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	
I	ug/L	84200		144000		169000		87700		111000		84800		221000		
UM	ug/L	2.3	U	2.3	U	3.4	J	2.3	U	2.3	U	2.3	U	2.3	U	
	ug/L	3.2	U	3.2	U	3.2	U	3.2	U	3.2	U	3.2	U	3.2	U	
	ug/L	2.6	U	2.6	U	4	J	2.6	U	2.6	U	3.3	J	4.7	J	
	ug/L	173	R	1440	R	2590		406	R	24.9	J R	110		361		
	ug/L	0.7	U	0.7	U	1.2	J R	0.7	U	0.7	U	0.7	U	0.7	U	
IUM	ug/L	35200		32200		18800		17000		13900		6210		27700		
ESE	ug/L	120		32.5		174		22.6		1	U	5.5	J	701		
Y	ug/L	0.1	UJ	0.1	UJ	0.1	U	0.1	UJ	0.13	J	0.1	U	0.1	U	
	ug/L	10.4	U	10.4	U	10.4	U	10.4	U	10.4	U	10.4	U	10.4	U	
UM	ug/L	2270	J	2130	J	2280	J	2220	J	700	J	673	J	2200	J	
M	ug/L	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	
	ug/L	3.6	U	3.6	U	3.6	U	3.6	U	3.6	U	3.6	U	3.6	U	
	ug/L	42300		39300		12300		27800		6260		14300		91700		
M	ug/L	2.8	U	2.8	U	2.8	U	2.8	U	2.8	U	2.8	U	2.8	U	
IM	ug/L	3.3	U	3.3	U	3.3	U	3.3	U	3.3	U	3.3	U	3.3	U	
	ug/L	36.4	J	16.2	J	51.6		7.6	J	10.6	J	20.4		177		
E	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	

ASH LANDFILL FIRST QUARTER 1994 MONITORING
VALIDATED METALS ANALYSIS RESULTS

T.WK3	MATRIX		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WA
	LOCATION		ASH		ASH		ASH		ASH		ASH		ASH		ASH		ASH
	DATE SAMPLED		2/21/94		2/22/94		2/21/94		2/20/94		2/20/94		2/16/94		2/23/94		2/2
	DATE ANALYZED		2/26/94		2/26/94		2/26/94		2/25/94		2/25/94		2/23/94		2/25/94		2/2
	ES ID		PT-20		PT-21		PT-22		PT-23		PT-24		PT-25				PT-
	LAB ID		39406-031		39479-007		39406-032		39399-014		39399-017		39356-008				394
	UNITS																
M	ug/L	17.9	U	392		123	J	82.2	J	17.9	U	525	R	175	J		
IY	ug/L	15.6	U	15.6	U	15.6	U	15.6	U	15.6	U	15.6	U	15.6	U		
	ug/L	2.9	U	2.9	U	2.9	U	2.9	U	2.9	U	2.9	U	2.9	U		
	ug/L	32.9	J	89.7	J	25.8	J	20.6	J	24.2	J	23.6	J	65.4	J		
UM	ug/L	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U		
M	ug/L	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U		
	ug/L	103000		130000		102000		94600		99600		96900		103000			
UM	ug/L	2.3	U	2.7	J	3.3	J	3.4	J	2.3	U	2.3	U	2.3	U		
	ug/L	3.2	U	3.2	U	3.2	U	3.2	U	3.2	U	3.2	U	3.2	U		
	ug/L	2.6	U	2.6	U	2.6	U	3.6	J	2.6	U	2.6	U	2.8	J		
	ug/L	55.2	J	604		139		162		14.1	J	536	R	312			
	ug/L	0.7	U	2.5	J R	0.7	U	0.7	U	0.7	U	0.7	U	1	J		
IUM	ug/L	12200		23800		11900		10400		11400		10400		38000			
ESE	ug/L	10.4	J	47		1.8	J	3.4	J	1	U	11.7	J	7.5	J		
Y	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	UJ	0.1	U		
	ug/L	10.4	U	22.3	J	10.4	U	10.4	U	10.4	U	10.4	U	10.4	U		
UM	ug/L	771	J	3030	J	1260	J	1070	J	1180	J	983	J	1570	J		
M	ug/L	1.7	U	1.7	U	1.7	U	1.7	U	5.2		1.7	U	3.5	J		
	ug/L	3.6	U	3.6	U	3.6	U	3.6	U	3.6	U	3.6	U	3.6	U		
	ug/L	25500		36500		37300		6670		10300		16500		25700			
M	ug/L	2.8	U	2.8	U	2.8	U	2.8	U	2.8	U	2.8	U	2.8	U		
M	ug/L	3.3	U	3.3	U	3.3	U	3.3	U	3.3	U	3.3	U	3.3	U		
	ug/L	14.6	J	44.4		15.4	J	30.5		16.6	J	6.2	J	12.4	J		
	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U		

ASH LANDFILL FIRST QUARTER 1994 MONITORING
VALIDATED METALS ANALYSIS RESULTS

ET.WK3	MATRIX		WATER		WATER		WATER		WATER		WATER		WATER		W
	LOCATION		ASH		ASH		ASH		ASH		ASH		ASH		A
	DATE SAMPLED		2/20/94		2/20/94		2/20/94		2/15/94		2/15/94		2/16/94		2/
	DATE ANALYZED		2/25/94		2/25/94		2/25/94		2/23/94		2/23/94		2/24/94		2/
	ES ID		MW-27		MW-28		MW-29		MW-30		MW-31		MW-32		M
	LAB ID		39399-018		39399-015		39399-019		39332-012		39332-013		39358-043		3
E	UNITS														
IUM	ug/L	491		167	J	603		681	R	346	R	1030	R	1130	
ONY	ug/L	15.6	U	15.6	U	15.6	U	15.6	U	15.6	U	15.6	U	15.6	U
C	ug/L	2.9	U	2.9	U	2.9	U	2.9	U	2.9	U	2.9	U	2.9	U
M	ug/L	39.1	J	27.6	J	38.6	J	31.7	J	23.3	J	34	J	28.4	J
IUM	ug/L	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
UM	ug/L	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U
M	ug/L	111000		114000		132000		112000		100000		109000		112000	
RIUM	ug/L	2.3	J	2.3	U	2.3	U	2.3	U	2.3	U	2.3	J	2.3	U
T	ug/L	3.2	U	3.2	U	3.2	U	3.2	U	3.2	U	3.2	U	3.2	U
R	ug/L	4	J	2.6	U	2.8	J	2.6	U	2.8	U	2.8	U	2.6	U
	ug/L	790		343		1020		1230	R	547	R	1810	R	1710	
	ug/L	3.1	R	0.7	U	1.1	J R	0.7	U	1.4	J	0.7	U	0.7	U
SIUM	ug/L	11600		12400		16000		15500		12500		14100		12700	
ANESE	ug/L	31.6		6	J	26.4		19.9		13.9	J	84		28.4	
RY	ug/L	0.1	U	0.1	U	0.1	UJ	0.1	UJ	0.28	J	0.48	J	0.12	J
	ug/L	10.4	U	10.4	U	10.4	U	10.4	U	10.4	U	10.4	U	10.4	U
SIUM	ug/L	1630	J	788	J	922	J	2030	J	971	J	1580	J	1200	J
UM	ug/L	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U
	ug/L	3.8	U	3.8	U	3.8	U	3.8	U	3.8	U	3.8	U	3.8	U
M	ug/L	26600		9170		22800		21400		13100		24800		15900	
UM	ug/L	2.8	U	2.8	U	2.8	U	2.8	U	2.8	U	2.8	U	2.8	U
IUM	ug/L	3.3	U	3.3	U	3.3	U	3.3	U	3.3	U	3.3	U	3.3	U
	ug/L	30.6		21.5		14.6	J	9.1	J	9.8	J	26.4		14	J
DE	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U

ASH LANDFILL FIRST QUARTER 1994 MONITORING
VALIDATED METALS ANALYSIS RESULTS

.WK3	MATRIX		WATER		WATER		WATER		WATER		WATER		WATER		WAT
	LOCATION		ASH		ASH		ASH		ASH		ASH		ASH		ASH
	DATE SAMPLED		2/15/94		2/22/94		2/22/94		2/16/94		2/19/94		2/16/94		2/21
	DATE ANALYZED		2/23/94		2/25/94		2/25/94		2/24/94		2/24/94		2/24/94		2/28
	ES ID		MW-34		MW-35D		MW-36		MW-37		MW-38D		MW-39		MW-
	LAB ID		39332-011		39406-025		39406-026		39372-007		39368-008		39372-006		3940
	UNITS														
M	ug/L	141	J R	17.9	U	17.9	U	17.9	U	17.9	U	17.9	U	25.2	J
Y	ug/L	15.6	U	15.6	U	15.6	U	15.6	U	15.6	U	15.6	U	15.6	U
	ug/L	2.9	U	2.9	U	2.9	U	2.9	U	2.9	U	2.9	U	2.9	U
	ug/L	66.5	J	91.5	J	42.7	J	40.4	J	109	J	24.4	J	42.8	J
M	ug/L	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
	ug/L	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U	2.1	U
	ug/L	68300		26000		107000		95300		94200		109000		97000	
M	ug/L	2.3	U	2.3	U	2.3	U	2.3	U	2.3	U	2.3	U	2.3	U
	ug/L	3.2	U	3.2	U	3.2	U	3.2	U	3.2	U	3.2	U	3.2	U
	ug/L	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U
	ug/L	201	R	41.9	J	37.2	J	66.6	J R	126	R	38.9	J R	66.9	J
	ug/L	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
UM	ug/L	13800		6690		15400		13300		18100		14800		10800	
ESE	ug/L	55.1		54.4		2.6	J	45.6		131		1	U	13.8	J
	ug/L	0.1	UJ	0.1	U	0.1	U	0.25	J	0.1	UJ	0.1	UJ	0.1	U
	ug/L	10.4	U	10.4	U	10.4	U	10.4	U	10.4	U	10.4	U	10.4	U
UM	ug/L	1790	J	1610	J	2870	J	649	U	2440	J	1990	J	1530	J
M	ug/L	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U
	ug/L	3.6	U	3.6	U	3.6	U	3.6	U	3.6	U	3.6	U	3.6	U
	ug/L	39500		80000		24900		10900		4850	J	12200		11000	
I	ug/L	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U
M	ug/L	3.3	U	3.3	U	3.3	U	3.3	U	3.3	U	3.3	U	3.3	U
	ug/L	5.2	J	26		13.6	J	14	J	5.3	J	21.8		16.1	J
	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U

ASH LANDFILL FIRST QUARTER 1994 MONITORING
VALIDATED METALS ANALYSIS RESULTS

LWK3	MATRIX			WATER			WATER			WATER			WATER			WATER			WATER			WAT
	LOCATION			ASH			ASH			ASH			ASH			ASH			ASH			ASH
	DATE SAMPLED			2/16/94			2/17/94			3/03/94			3/03/94			3/03/94			2/16/94			2/16/
	DATE ANALYZED			2/23/94			2/23/94			3/09/94			3/09/94			3/09/94			2/23/94			2/23/
	ES ID			MW-41D			MW-42D			BRN-S			FH-D			FH-S			PT-10R			PT-
	LAB ID			39356-041			39358-010			39517-025			39517-026			39517-027			39358-042			3935
																			(PT-10 Rinsate)			(Duplicate of
	UNITS																					
M	ug/L	17.9	U		17.9	U		17.9	U		170	J		17.9	U		17.9	U		93	J R	
Y	ug/L	15.6	U		15.6	U		15.6	U		15.6	U		15.6	U		15.6	U		15.6	U	
	ug/L	2.9	U		2.9	U		2.9	U		2.9	U		2.9	U		2.9	U		2.9	U	
	ug/L	60.3	J		88.7	J		63.3	J		520			105	J		2.4	U		183	J	
M	ug/L	0.4	U		0.4	U		0.4	U		0.4	U		0.4	U		0.4	U		0.4	U	
	ug/L	2.1	U		2.1	U		2.1	U		2.1	U		2.1	U		2.1	U		2.1	U	
	ug/L	39300			59900			149000			18400			121000			332	J		83900		
M	ug/L	2.3	U		2.3	U		2.3	U		2.3	U		2.3	U		2.3	U		2.3	U	
	ug/L	3.2	U		3.2	U		3.2	U		3.2	U		3.2	U		3.2	U		3.2	U	
	ug/L	2.6	U		2.6	U		2.6	U		2.6	U		2.6	U		11.8	J		2.6	U	
	ug/L	30.2	J	R	93.7	J	R	48.5	J		240			38.8	J		56.8	J	R	264		R
	ug/L	0.7	U		0.7	U		1.2	J	R	1.2	J	R	1.4	J	R	0.7	U		0.7	U	
UM	ug/L	14800			29900			29900			7290			24800			27	J		35300		
ESE	ug/L	38.3			57.2			1	U		3.2	J		1	U		1	U		120		
	ug/L	0.1	UJ		0.1	UJ		0.1	U		0.1	U		0.1	U		0.15	J		0.1	UJ	
	ug/L	10.4	U		10.4	U		10.4	U		10.4	U		10.4	U		10.4	U		10.4	U	
IM	ug/L	2400	J		3780	J		4740	J		2210	J		9460			649	U		2610	J	
I	ug/L	1.7	U		1.7	U		1.7	U		1.7	U		1.7	U		1.7	U		1.7	U	
	ug/L	3.6	U		3.6	U		3.6	U		3.6	U		3.6	U		3.6	U		3.6	U	
	ug/L	97100			17700			5210			174000			48500			1910	J		42300		
	ug/L	2.8	U		2.6	U		2.8	U		3.3	J		3.1	J		2.8	U		2.8	U	
M	ug/L	3.3	U		3.3	U		3.3	U		3.3	U		3.3	U		3.3	U		3.3	U	
	ug/L	9.2	J		14.5	J		24.3			4.1	J		259			10.5	J		21	J	
	ug/L	1	U		1	U		1	U		1	U		1	U		1	U		1	U	

ASH LANDFILL FIRST QUARTER 1994 MONITORING
VALIDATED METALS ANALYSIS RESULTS

T.WK3	MATRIX		WATER		WATER
	LOCATION		ASH		ASH
	DATE SAMPLED		2/21/94		2/21/94
	DATE ANALYZED		2/25/94		2/25/94
	ES ID		PT-18R		PT-152
	LAB ID		39406-030 (PT-18 Rinsate)		39406-029 (Duplicate of PT-18)
	UNITS				
IM	ug/L	17.9	U	382	
NY	ug/L	15.6	U	15.6	U
	ug/L	2.9	U	2.9	U
	ug/L	2.4	U	15	J
UM	ug/L	0.4	U	0.4	U
M	ug/L	2.1	U	2.1	U
M	ug/L	54	J	224000	
UM	ug/L	2.3	U	2.3	U
	ug/L	3.2	U	3.2	U
	ug/L	2.9	J	3.2	J
	ug/L	14.1	J	647	
	ug/L	5.6		1.3	J R
IUM	ug/L	31.6	J	28300	
IESE	ug/L	1	U	672	
IY	ug/L	0.1	U	0.1	U
	ug/L	10.4	U	10.4	U
IUM	ug/L	649	U	1860	J
IM	ug/L	1.7	U	1.7	U
	ug/L	3.6	U	3.6	U
	ug/L	1990	J	94000	
M	ug/L	2.8	U	2.8	U
UM	ug/L	3.3	U	3.3	U
	ug/L	14.1	J	214	
E	ug/L	1	U	1	U

Section 4.0
QA/QC Data

4.1 Surrogate Spike Recoveries

4.2 Matrix Spike/Matrix Spike Duplicates

4.3 Method Blanks

4.4 Laboratory Control Samples and Duplicates for Indicator Parameters

4.5 Indicator Parameter Data

ASH LANDFILL FIRST QUARTER 1994 MONITORING
VALIDATED METALS ANALYSIS RESULTS

T.WK3	MATRIX		WATER		WATER	
	LOCATION		ASH		ASH	
	DATE SAMPLED		2/21/94		2/21/94	
	DATE ANALYZED		2/25/94		2/25/94	
	ES ID		PT-18R		PT-152	
	LAB ID		39406-030 (PT-18 Rinsate)		39406-029 (Duplicate of PT-18)	
	UNITS					
IM	ug/L	17.9	U	382		
NY	ug/L	15.6	U	15.6	U	
	ug/L	2.9	U	2.9	U	
	ug/L	2.4	U	15	J	
UM	ug/L	0.4	U	0.4	U	
M	ug/L	2.1	U	2.1	U	
I	ug/L	54	J	224000		
UM	ug/L	2.3	U	2.3	U	
	ug/L	3.2	U	3.2	U	
	ug/L	2.9	J	3.2	J	
	ug/L	14.1	J	647		
	ug/L	5.8		1.3	J R	
IUM	ug/L	31.8	J	28300		
ESE	ug/L	1	U	672		
Y	ug/L	0.1	U	0.1	U	
	ug/L	10.4	U	10.4	U	
UM	ug/L	649	U	1860	J	
M	ug/L	1.7	U	1.7	U	
	ug/L	3.8	U	3.8	U	
	ug/L	1990	J	94000		
M	ug/L	2.8	U	2.8	U	
IM	ug/L	3.3	U	3.3	U	
	ug/L	14.1	J	214		
E	ug/L	1	U	1	U	

Section 3.0
Indicator Parameters

ASH LANDFILL FIRST QUARTER 1994 MONITORING
INDICATOR ANALYSIS RESULTS

AL194MSC.WK3	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WA
	SITE	ASH	ASH	ASH	ASH	ASH	ASH	ASI
	DATE SAMPLED	2/16/94	2/19/94	2/22/94	2/16/94	2/19/94	2/20/94	2/2
	DATE ANALYZED	*	*	*	*	*	*	
	ES ID	PT-10	PT-11	PT-12	PT-15	PT-16	PT-17	PT-
	LAB ID	**	**	**	**	**	**	
PARAMETER	UNITS							
Total Organic Carbon	mg/L	3	2	1	1 U	1 U	6	4
pH	units	7.38	7.36	7.08	7.67	7.14	7.3	6.93
Chloride	mg/L	58	33	7	8	18	22	64
Sulfate	mg/L	18	170	140	51	35	29	250
Specific Conductance	umhos/cm	800	910	810	530	580	570	1300
Nitrate+Nitrite	mg/L as N	0.05 U	0.27	1.1	0.37	0.05 U	0.2	0.05 U
Total Organic Halides	mg/L	0.03	0.04	0.09	0.02 U	0.02	0.03	6

Notes:
(1) * Analysis dates vary for each parameter (See Section 4.5).
(2) ** The Lab ID is different for each parameter (See Section 4.5).

ASH LANDFILL FIRST QUARTER 1994 MONITORING
INDICATOR ANALYSIS RESULTS

AL194MSC.WK3	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WAT
	SITE	ASH	ASH	ASH	ASH	ASH	ASH	ASH
	DATE SAMPLED	2/21/94	2/22/94	2/21/94	2/20/94	2/20/94	2/18/94	2/22
	DATE ANALYZED	*	*	*	*	*	*	
	ES ID	PT-20	PT-21	PT-22	PT-23	PT-24	PT-25	PT-
	LAB ID	**	**	**	**	**	**	
PARAMETER	UNITS							
Total Organic Carbon	mg/L	2	1	2	1 U	2	2	1 U
pH	units	7.19	7.72	7.15	7.48	7.33	7.12	7.27
Chloride	mg/L	14	67	31	12	14	38	10
Sulfate	mg/L	75	120	83	32	49	39	110
Specific Conductance	umhos/cm	680	890	680	610	750	580	800
Nitrate+Nitrite	mg/L as N	0.18	0.31	0.05	0.05	0.26	0.69	0.28
Total Organic Halides	mg/L	0.02 U	0.02	0.11	0.04	0.03	0.02 U	0.02 U

Notes:
(1) * Analysis dates vary for each parameter (See Section 4.5).
(2) ** The Lab ID is different for each parameter (See Section 4.5).

ASH LANDFILL FIRST QUARTER 1994 MONITORING
INDICATOR ANALYSIS RESULTS

AL194MSC.WK3	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WA
	SITE	ASH	ASH	ASH	ASH	ASH	ASH	AS
	DATE SAMPLED	2/20/94	2/20/94	2/20/94	2/15/94	2/15/94	2/16/94	2/1
	DATE ANALYZED	*	*	*	*	*	*	
	ES ID	MW-27	MW-28	MW-29	MW-30	MW-31	MW-32	MW
	LAB ID	**	**	**	**	**	**	
PARAMETER	UNITS							
Total Organic Carbon	mg/L	1	1	1 U	4	1 U	2	1
pH	units	7.45	7.23	7.20	7.27	7.23	7.18	7.06
Chloride	mg/L	44	18	25	29	40	44	48
Sulfate	mg/L	84	42	79	32	66	59	49
Specific Conductance	umhos/cm	770	460	520	600	710	670	660
Nitrate+Nitrite	mg/L as N	0.05 U	0.24	0.37	0.19	0.4	0.95	0.7
Total Organic Halides	mg/L	0.05	0.03	0.02 U	0.02 U	0.02	0.11	0.02 U

Notes:
(1) * Analysis dates vary for each parameter (See Section 4.5).
(2) ** The Lab ID is different for each parameter (See Section 4.5).

ASH LANDFILL FOURTH QUARTER 1993 MONITORING
INDICATOR ANALYSIS RESULTS

AL194MSC.WK3	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WA
	SITE	ASH	ASH	ASH	ASH	ASH	ASH	AS
	DATE SAMPLED	2/16/94	2/17/94	3/03/94	3/03/94	3/03/94	2/16/94	2/1
	DATE ANALYZED	*	*	*	*	*	*	
	ES ID	MW-41D	MW-42D	FH-S	FH-D	BRN-S	PT-10R	PT
	LAB ID	**	**	**	**	**	**	
PARAMETER	UNITS						(PT-10 Rinsate)	(Duplicate c
Total Organic Carbon	mg/L	1 U	1 U	3	2	2	1 U	4
pH	units	7.65	7.48	7.3	8.63	7.37	7.41	6.63
Chloride	mg/L	10	3	16	12	24	1 U	59
Sulfate	mg/L	43	22	48	29	100	2	17
Specific Conductance	umhos/cm	640	540	790	790	880	11	800
Nitrate+Nitrite	mg/L as N	0.08	0.05 U	1.7	0.05 U	12	0.05 U	0.05 U
Total Organic Halides	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U

Notes:
(1) * Analysis dates vary for each parameter (See Section 4.5).
(2) ** The Lab ID is different for each parameter (See Section 4.5).

ASH LANDFILL FOURTH QUARTER 1993 MONITORING
INDICATOR ANALYSIS RESULTS

AL194MSC.WK3	MATRIX	WATER	WATER
	SITE	ASH	ASH
	DATE SAMPLED	2/21/94	2/21/94
	DATE ANALYZED	*	*
	ES ID	PT-16R	PT-152
	LAB ID	**	**
PARAMETER	UNITS	(PT 16 Rinsate)	(Duplicate of PT-16)
Total Organic Carbon	mg/L	1 U	5
pH	units	7.65	6.9
Chloride	mg/L	1 U	65
Sulfate	mg/L	2	250
Specific Conductance	umhos/cm	9.2	1300
Nitrate+Nitrite	mg/L as N	0.05 U	0.05 U
Total Organic Halides	mg/L	0.02 U	6.36

Notes:
(1) * Analysis dates vary for each parameter (See Section 4.5).
(2) ** The Lab ID is different for each parameter (See Section 4.5).

4.1 Surrogate Spike Recoveries

2A

WATER VOLATILES SURROGATE RECOVERY

Client: ENGINEERING SCIENCE, INC. Lab No.: 39517
Project: 770454-01010

CLIENT SAMPLE NO.	S1 (DCB)#	S2 (BFB)#	OTHER	TOT OUT
ASBRNS	95	91		0
ASTB33	103	99		0
ASHFHD	112*	99		1
ASHFHS	113*	105		1
BG030994A	96	90		0

	QC LIMITS
S1 (DCB) = 1,2-Dichlorobenzene-d4	16 - 110
S2 (BFB) = Bromofluorobenzene	86 - 115

Column to be used to flag recovery values with an asterisk
* Values outside of designated QC limits
D Surrogates diluted out

4.2 Matrix Spike/Matrix Spike Duplicates

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: PACE NEW ENGLA Contract: NYASP

Lab Code: Case No.: SENEC SAS No.: SDG No.: SEN15

Matrix Spike - EPA Sample No.: ASMW32

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.00	0	46.80	94	61-145
Trichloroethene	50.00	0	50.72	101	71-120
Benzene	50.00	0	49.38	99	76-127
Toluene	50.00	0	50.04	100	76-125
Chlorobenzene	50.00	0	51.61	103	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50.00	50.59	101	7	14	61-145
Trichloroethene	50.00	49.95	100	1	14	71-120
Benzene	50.00	48.96	98	1	11	76-127
Toluene	50.00	51.85	104	4	13	76-125
Chlorobenzene	50.00	55.30	111	7	13	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS:

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: PACE NEW ENGLA Contract: NYASP

Lab Code: Case No.: SENEC SAS No.: SDG No.: SEN15

Matrix Spike - EPA Sample No.: BLANK

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.00	0	44.41	89	61-145
Trichloroethene	50.00	0	47.15	94	71-120
Benzene	50.00	0	43.94	88	76-127
Toluene	50.00	0	45.66	91	76-125
Chlorobenzene	50.00	0	47.71	95	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: LCSV1MS

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: PACE NEW ENGLA Contract: NYASP

Lab Code: Case No.: SENEC SAS No.: SDG No.: SEN15

Matrix Spike - EPA Sample No.: BLANK

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.00	0	50.78	102	61-145
Trichloroethene	50.00	0	50.69	101	71-120
Benzene	50.00	0	49.58	99	76-127
Toluene	50.00	0	50.16	100	76-125
Chlorobenzene	50.00	0	54.72	109	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: LCSV2MS

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: PACE NEW ENGLA Contract: NYASP

Lab Code: Case No.: SENEC SAS No.: SDG No.: SEN16

Matrix Spike - EPA Sample No.: ASMW40

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.00	0	55.18	110	61-145
Trichloroethene	50.00	0	53.86	108	71-120
Benzene	50.00	0	51.58	103	76-127
Toluene	50.00	0	53.18	106	76-125
Chlorobenzene	50.00	0	54.65	109	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50.00	53.91	108	2	14	61-145
Trichloroethene	50.00	52.64	105	3	14	71-120
Benzene	50.00	50.31	101	2	11	76-127
Toluene	50.00	50.95	102	4	13	76-125
Chlorobenzene	50.00	52.05	104	5	13	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS:

MATRIX SPIKE DUPLICATE RECOVERY
VOLATILE ORGANIC COMPOUNDS

Laboratory Number: LCG030994
Sample Designation: LABORATORY CONTROL SAMPLE
Date Analyzed: 03/09/94
Matrix: WATER

COMPOUND	ug/L IN SAMPLE	ug/L SPIKE	REPLICATE 1 ug/L FOUND	REPLICATE 1 %REC-OVERY	REPLICATE 2 ug/L FOUND	REPLICATE 2 % REC-OVERY	REL. DIFF. %
1,1-DICHLOROETHENE	0	10	10.5	105	10.4	104	1
TRICHLOROETHYLENE	0	10	11.0	110	10.8	109	1
BENZENE	0	10	10.8	108	11.0	110	2
TOLUENE	0	10	11.0	110	11.2	112	1
CHLOROBENZENE	0	10	10.6	106	10.6	105	1

METHOD REFERENCE: EPA METHOD 524.2

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ASMW32S

Lab Name: PACE New England, Inc. Contract:

Lab Code: Case No.: SENEC SAS No.: SDG No.: MSEN15

Matrix (soil/water): WATER Level (low/med): LOW
% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	4218.4100		1028.7300		2000.00	159.5	N	P
Antimony	75-125	497.1800		15.6000	U	500.00	99.4		P
Arsenic	75-125	1966.7200		2.9000	U	2000.00	98.3		P
Barium	75-125	1947.0800		33.9800	B	2000.00	95.7		P
Beryllium	75-125	46.1500		0.4000	U	50.00	92.3		P
Cadmium	75-125	56.3500		2.1000	U	50.00	112.7		P
Calcium									NR
Chromium	75-125	199.1600		2.3000	U	200.00	99.6		P
Cobalt	75-125	475.7500		3.2000	U	500.00	95.2		P
Copper	75-125	244.2100		2.6000	U	250.00	97.7		P
Iron	75-125	5247.6100		1810.6500		1000.00	343.7	N	P
Lead	75-125	459.1800		0.7000	U	500.00	91.8		P
Magnesium									NR
Manganese	75-125	575.8600		83.9700		500.00	98.4		P
Mercury	75-125	1.4300		0.4800		1.00	95.0		CV
Nickel	75-125	482.5800		10.4000	U	500.00	96.5		P
Potassium									NR
Selenium	75-125	1921.2800		1.7000	U	2000.00	96.1		P
Silver	75-125	54.0300		3.6000	U	50.00	108.1		P
Sodium									NR
Thallium	75-125	1850.0000		2.8000	U	2000.00	92.5		P
Vanadium	75-125	487.2300		3.3000	U	500.00	97.4		P
Zinc	75-125	510.9400		26.3500		500.00	96.9		P
Cyanide	75-125	96.8500		1.0000	U	100.00	96.8		AS

Comments:

400027

U.S. EPA - CLP

5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ASMW32A

Lab Name: PACE New England, Inc. Contract:

Lab Code: Case No.: SENEC SAS No.: SDG No.: MSEN15

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum		3083.79		1028.73		2000.0	102.8		P
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron		6107.79		1810.65		4000.0	107.4		P
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ASMW40S

Lab Name: PACE New England, Inc. Contract:

Lab Code: Case No.: SENEC SAS No.: SDG No.: MSEN16

Matrix (soil/water): WATER Level (low/med): LOW
% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	2089.0100		25.1700	B	2000.00	103.2		P
Antimony	75-125	538.5400		15.6000	U	500.00	107.7		P
Arsenic	75-125	2037.4600		2.9000	U	2000.00	101.9		P
Barium	75-125	2040.4000		42.7500	B	2000.00	99.9		P
Beryllium	75-125	47.7000		0.4000	U	50.00	95.4		P
Cadmium	75-125	61.7900		2.1000	U	50.00	123.6		P
Calcium									NR
Chromium	75-125	202.2200		2.3000	U	200.00	101.1		P
Cobalt	75-125	500.6500		3.2000	U	500.00	100.1		P
Copper	75-125	251.7900		2.6000	U	250.00	100.7		P
Iron	75-125	1090.4500		86.9000	B	1000.00	100.4		P
Lead	75-125	484.9200		0.7000	U	500.00	97.0		P
Magnesium									NR
Manganese	75-125	510.5600		13.7900	B	500.00	99.4		P
Mercury	75-125	0.9900		0.1000	U	1.00	99.0		CV
Nickel	75-125	499.3900		10.4000	U	500.00	99.9		P
Potassium									NR
Selenium	75-125	2001.0400		1.7000	U	2000.00	100.1		P
Silver	75-125	55.0900		3.6000	U	50.00	110.2		P
Sodium									NR
Thallium	75-125	1926.4900		2.8000	U	2000.00	96.3		P
Vanadium	75-125	501.6000		3.3000	U	500.00	100.3		P
Zinc	75-125	519.3900		16.0600	B	500.00	100.7		P
Cyanide	75-125	90.9500		1.0000	U	100.00	91.0		AS

Comments:

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

OBDMW4S

Lab Name: PACE New England, Inc. Contract:

Lab Code: Case No.: SENEC SAS No.: SDG No.: MSEN17

Matrix (soil/water): WATER Level (low/med): LOW
% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	7740.2600		6068.1900		2000.00	83.6		P
Antimony	75-125	525.1000		15.6000	U	500.00	105.0		P
Arsenic	75-125	2047.4100		2.9000	U	2000.00	102.4		P
Barium	75-125	2121.2200		109.5700	B	2000.00	100.6		P
Beryllium	75-125	47.8800		0.4000	U	50.00	95.8		P
Cadmium	75-125	59.6000		2.1000	U	50.00	119.2		P
Calcium									NR
Chromium	75-125	213.4600		9.0800	B	200.00	102.2		P
Cobalt	75-125	498.2000		3.2000	U	500.00	99.6		P
Copper	75-125	266.3500		13.0600	B	250.00	101.3		P
Iron		10282.6000		9094.5800		1000.00	118.8		P
Lead	75-125	481.6200		7.3400		500.00	94.9		P
Magnesium									NR
Manganese	75-125	655.2600		142.8000		500.00	102.5		P
Mercury	75-125	1.7900		0.7900		1.00	100.0		CV
Nickel	75-125	513.3100		17.5300	B	500.00	99.2		P
Potassium									NR
Selenium	75-125	1953.8100		1.7000	U	2000.00	97.7		P
Silver	75-125	40.2900		3.6000	U	50.00	80.6		P
Sodium									NR
Thallium	75-125	1886.0900		3.3500	B	2000.00	94.1		P
Vanadium	75-125	512.8800		8.4800	B	500.00	100.9		P
Zinc	75-125	560.3500		53.9200		500.00	101.3		P
Cyanide	75-125	90.8500		1.0000	U	100.00	90.8		AS

Comments:

4.3 Method Blanks

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKDR

Lab Name: PACE NEW ENGLA Contract: NYASP

Lab Code: Case No.: SENEC SAS No.: SDG No.: SEN15

Lab File ID: D9244 Lab Sample ID: BD022394A

Date Analyzed: 02/23/94 Time Analyzed: 1253

GC Column: 502.2 ID: 0.530(mm) Heated Purge: (Y/N) N

Instrument ID: DMS-HP

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	AMW41D	39358-29	D9258	2113
02	AMW42D	39358-3	D9253	1819
03	APT10R	39358-30	D9259	2148
04	APT150	39358-28	D9257	2038
05	ASMW30	39332-2	D9248	1525
06	ASMW31	39332-3	D9260	2223
07	ASMW33	39358-2	D9252	1745
08	ASMW34	39332-1	D9246	1416
09	ASPT10	39358-27	D9256	2004
10	ASPT15	39358-26	D9255	1929
11	ASPT25	39358-1	D9251	1710
12	ATB215	39332-4	D9250	1635
13	ATB216	39358-4	D9254	1854
14	LCSV1MS	LCD022394A	D9245	1341

COMMENTS:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKDR

Lab Name: PACE NEW ENGLA Contract: NYASP

Lab Code: Case No.: SENEC SAS No.: SDG No.: SEN15

Matrix: (soil/water) WATER Lab Sample ID: BD022394A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: D9244

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 02/23/94

GC Column: 502.2 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	6	J
67-64-1	Acetone	6	J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKDS

Lab Name: PACE NEW ENGLA Contract: NYASP

Lab Code: Case No.: SENEC SAS No.: SDG No.: SEN15

Lab File ID: D9270 Lab Sample ID: BD022494A

Date Analyzed: 02/24/94 Time Analyzed: 1210

GC Column: 502.2 ID: 0.530(mm) Heated Purge: (Y/N) N

Instrument ID: DMS-HP

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	AMW38D	39388-1	D9279	1750
02	ASMW32	39358-31	D9272	1344
03	ASMW37	39372-2	D9277	1640
04	ASMW39	39372-1	D9276	1605
05	ASPT11	39388-3	D9281	1900
06	ASPT16	39388-2	D9280	1825
07	ATB218	39372-3	D9278	1715
08	ATB219	39388-4	D9282	1935
09	ASMW32MS	39358-31MS	D9274	1454
10	ASMW32MSD	39358-31MSD	D9275	1530
11	LCSV2MS	LCD022494A	D9271	1306

COMMENTS:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKDS

Lab Name: PACE NEW ENGLA Contract: NYASP

Lab Code: Case No.: SENEC SAS No.: SDG No.: SEN15

Matrix: (soil/water) WATER Lab Sample ID: BD022494A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: D9270

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 02/24/94

GC Column: 502.2 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	J
67-64-1	Acetone	10	J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKDT

Lab Name: PACE NEW ENGLA Contract: NYASP

Lab Code: Case No.: SENEC SAS No.: SDG No.: SEN16

Lab File ID: D9291 Lab Sample ID: BD022594A

Date Analyzed: 02/25/94 Time Analyzed: 1012

GC Column: 502.2 ID: 0.530(mm) Heated Purge: (Y/N) N

Instrument ID: DMS-HP

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	AMW35D	39406-1	D9301	1644
02	APT152	39406-6	D9306	1939
03	APT18R	39406-7	D9307	2014
04	ASMW27	39399-6	D9300	1604
05	ASMW28	39399-2	D9293	1140
06	ASMW29	39399-7	D9298	1454
07	ASMW36	39406-2	D9302	1719
08	ASPT17	39399-3	D9294	1221
09	ASPT23	39399-1	D9292	1105
10	ASPT24	39399-5	D9299	1529
11	ASPT26	39406-3	D9303	1753
12	ATB220	39399-4	D9295	1256
13	ATB222	39406-4	D9304	1828

COMMENTS:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKDT

Lab Name: PACE NEW ENGLA Contract: NYASP

Lab Code: Case No.: SENEC SAS No.: SDG No.: SEN16

Matrix: (soil/water) WATER Lab Sample ID: BD022594A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: D9291

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 02/25/94

GC Column: 502.2 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	3	J
67-64-1	Acetone	6	J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKDU

Lab Name: PACE NEW ENGLA Contract: NYASP

Lab Code: Case No.: SENEC SAS No.: SDG No.: SEN16

Lab File ID: D9314 Lab Sample ID: BD022594A

Date Analyzed: 02/28/94 Time Analyzed: 1226

GC Column: 502.2 ID: 0.530(mm) Heated Purge: (Y/N) N

Instrument ID: DMS-HP

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	ASMW40	39406-13	D9321	1644
02	ASPT12	39406-11	D9319	1535
03	ASPT18	39406-5	D9315	1313
04	ASPT20	39406-9	D9317	1423
05	ASPT21	39406-12	D9320	1609
06	ASPT22	39406-10	D9318	1458
07	ATB221	39406-8	D9316	1348
08	ASMW40MS	39406-13MS	D9322	1719
09	ASMW40MSD	39406-13MSD	D9324	1754
10	LCSV1MS	LCD022894A	D9325	1829

COMMENTS:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKDU

Lab Name: PACE NEW ENGLA Contract: NYASP

Lab Code: Case No.: SENEC SAS No.: SDG No.: SEN16

Matrix: (soil/water) WATER Lab Sample ID: BD022594A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: D9314

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 02/28/94

GC Column: 502.2 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	4	J
67-64-1	Acetone	10	J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

100175

METHOD BLANK SUMMARY

Laboratory Blank ID: BG030994A
Date Extracted: N/A
Date Analyzed: 03/09/94
Analysis/Matrix: VOLATILES/WATER

SAMPLES AND MS/MSD's ASSOCIATED WITH THIS BLANK:

CLIENT IDENTIFICATION	LABORATORY NUMBER
ASBRNS	39517-78
ASTB33	39517-79
ASHFHD	39517-80
ASHFHS	39517-81
LABMS	LCG030994
LABMSD	LCG030994D

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3
BLANKS

Lab Name: PACE New England, Inc. Contract:

Lab Code: Case No.: SENEC SAS No.: SDG No.: MSEN15

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	17.9	U	17.9	U	17.9	U	17.9	U	17.900	U	P
Antimony	15.6	U	15.6	U	15.6	U	15.6	U	15.600	U	P
Arsenic	2.9	U	2.9	U	2.9	U	2.9	U	2.900	U	P
Barium	2.4	U	5.9	B	6.2	B	5.9	B	2.400	U	P
Beryllium	0.4	U	0.4	U	0.4	U	0.4	U	0.400	U	P
Cadmium	2.1	U	2.1	U	2.1	U	2.1	U	2.100	U	P
Calcium	19.0	U	19.0	U	19.0	U	19.0	U	141.400	B	P
Chromium	2.3	U	2.3	U	2.3	U	2.3	U	2.300	U	P
Cobalt	3.2	U	3.2	U	3.2	U	3.2	U	3.200	U	P
Copper	2.6	U	2.6	U	2.6	U	2.6	U	2.600	U	P
Iron	8.5	U	32.4	B	8.5	B	33.8	B	43.720	B	P
Lead	-0.7	B	0.7	U	0.7	U	0.7	U	0.700	U	P
Magnesium	22.0	U	22.0	U	22.0	U	22.0	U	31.580	B	P
Manganese	1.0	U	1.1	B	1.6	B	1.5	B	1.000	U	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.100	B	CV
Nickel	10.4	U	10.4	U	10.4	U	10.4	U	10.400	U	P
Potassium	648.9	U	648.9	U	648.9	U	648.9	U	648.900	U	P
Selenium	1.7	U	1.7	U	1.7	U	1.7	U	1.700	U	P
Silver	3.6	U	3.6	U	3.6	U	3.6	U	3.600	U	P
Sodium	22.4	U	22.4	U	22.4	U	22.4	U	78.800	B	P
Thallium	2.8	U	2.8	U	2.8	U	2.8	U	2.800	U	P
Vanadium	3.3	U	3.3	U	3.3	U	3.3	U	3.300	U	P
Zinc	1.7	U	4.9	B	4.2	B	4.3	B	5.050	B	P
Cyanide	2.0	U	2.0	U	2.0	U	2.0	U	1.000	U	AS

400023

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3
BLANKS

Lab Name: PACE New England, Inc. Contract:

Lab Code: Case No.: SENEC SAS No.: SDG No.: MSEN15

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			17.9	U	17.9	U	17.9	U			P
Antimony			18.7	B	15.6	U	15.6	U			P
Arsenic			2.9	U							P
Barium			5.7	B	5.6	B	6.9	B			P
Beryllium			0.4	U	0.4	U	0.4	U			P
Cadmium			2.1	U	2.1	U	2.1	U			P
Calcium			19.0	U	19.0	U	19.0	U			P
Chromium			2.3	U	2.3	U	2.4	B			P
Cobalt			3.2	U	3.2	U	3.2	U			P
Copper			2.6	U	2.6	U	2.8	B			P
Iron			9.7	B	8.5	U	35.5	B			P
Lead			0.7	U							P
Magnesium			22.0	U	22.0	U	22.0	U			P
Manganese			1.6	B	1.4	B	1.4	B			P
Mercury			0.1	B							CV
Nickel			10.4	U	10.4	U	10.4	U			P
Potassium			648.9	U	648.9	U	648.9	U			P
Selenium			-1.7	B							P
Silver			3.6	U	3.6	U	3.6	U			P
Sodium			22.4	U	22.4	U	22.4	U			P
Thallium			2.8	U							P
Vanadium			3.3	U	3.3	B	3.3	U			P
Zinc			3.9	B	3.8	B	4.9	B			P
Cyanide			2.0	U	2.0	U					AS

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3
BLANKS

Lab Name: PACE New England, Inc. Contract:

Lab Code: Case No.: SENEC SAS No.: SDG No.: MSEN16

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	17.9	U	17.9	U	17.9	U	17.9	U	17.900	U	P
Antimony	15.6	U	15.6	U	18.3	B	16.4	B	15.600	U	P
Arsenic	2.9	U	2.9	U	2.9	U	2.9	U	2.900	U	P
Barium	2.4	U	6.7	B	7.3	B	7.1	B	2.400	U	P
Beryllium	0.4	U	0.4	U	0.4	U	0.4	U	0.400	U	P
Cadmium	2.1	U	2.1	U	2.1	U	2.1	U	2.100	U	P
Calcium	19.0	U	19.0	U	19.0	U	19.0	U	101.030	B	P
Chromium	2.3	U	2.3	U	2.3	U	2.3	U	2.300	U	P
Cobalt	3.2	U	3.2	U	3.2	U	3.2	U	3.200	U	P
Copper	3.2	B	4.5	B	4.2	B	3.3	B	2.710	B	P
Iron	8.5	U	34.1	B	8.5	U	8.5	U	34.170	B	P
Lead	-0.7	B	0.7	U	0.7	U	0.7	U	0.700	U	P
Magnesium	22.0	U	22.0	U	22.0	U	22.0	U	35.730	B	P
Manganese	1.0	U	2.1	B	2.1	B	1.7	B	1.000	U	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.260		CV
Nickel	10.4	U	10.4	U	10.4	U	10.4	U	10.400	U	P
Potassium	648.9	U	648.9	U	648.9	U	648.9	U	648.900	U	P
Selenium	1.7	U	1.7	U	1.7	U	1.7	U	1.700	U	P
Silver	3.6	U	3.6	U	3.6	U	3.6	U	3.600	U	P
Sodium	22.4	U	22.4	U	22.4	U	22.4	U	65.760	B	P
Thallium	2.8	U	2.8	U	2.8	U	2.8	U	2.800	U	P
Vanadium	3.3	U	3.3	U	3.3	U	3.3	U	3.300	U	P
Zinc	2.6	B	6.4	B	6.1	B	6.1	B	3.870	B	P
Cyanide	2.0	U	2.0	U	2.0	U			1.000	U	AS

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3
BLANKS

Lab Name: PACE New England, Inc. Contract:

Lab Code: Case No.: SENEC SAS No.: SDG No.: MSEN16

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			17.9	U							P
Antimony			15.6	U							P
Arsenic			2.9	U	2.9	U	2.9	U			P
Barium			8.0	B							P
Beryllium			0.4	U							P
Cadmium			2.1	U							P
Calcium			19.0	U							P
Chromium			2.3	U							P
Cobalt			3.2	U							P
Copper			2.8	B							P
Iron			33.3	B							P
Lead			0.7	U	0.7	U	0.7	U			P
Magnesium			22.0	U							P
Manganese			2.4	B							P
Mercury											
Nickel			10.4	U							P
Potassium			648.9	U							P
Selenium			-1.7	B	1.7	U	1.7	U			P
Silver			3.6	U							P
Sodium			22.4	U							P
Thallium			2.8	U	-2.9	B	2.8	U			P
Vanadium			3.3	U							P
Zinc			5.7	B							P
Cyanide											

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3
BLANKS

Lab Name: PACE New England, Inc. Contract:

Lab Code: Case No.: SENEC SAS No.: SDG No.: MSEN16

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony											
Arsenic			2.9	U							P
Barium											
Beryllium											
Cadmium											
Calcium											
Chromium											
Cobalt											
Copper											
Iron											
Lead			0.7	U							P
Magnesium											
Manganese											
Mercury											
Nickel											
Potassium											
Selenium			1.7	U							P
Silver											
Sodium											
Thallium			2.8	U							P
Vanadium											
Zinc											
Cyanide											

4.4 Laboratory Control Samples and Duplicates for Indicator Parameters

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6
DUPLICATES

EPA SAMPLE NO.

ASMW32D

Lab Name: PACE New England, Inc. Contract:

Lab Code: Case No.: SENEC SAS No.: SDG No.: MSEN15

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		1028.7300		2038.4500		65.8	*	P
Antimony		15.6000	U	15.6000	U			P
Arsenic		2.9000	U	2.9000	U			P
Barium		33.9800	B	36.5300	B	7.2		P
Beryllium		0.4000	U	0.4000	U			P
Cadmium		2.1000	U	2.1000	U			P
Calcium		109139.2200		110314.4000		1.1		P
Chromium		2.3000	U	3.6500	B	200.0		P
Cobalt		3.2000	U	3.2000	U			P
Copper		2.6000	U	2.6000	U			P
Iron		1810.6500		3367.7100		60.1	*	P
Lead		0.7000	U	0.7000	U			P
Magnesium	5000.0	14089.8800		14535.6200		3.1		P
Manganese		83.9700		101.9800		19.4		P
Mercury	0.2	0.4800		0.1200	B	120.0	*	CV
Nickel		10.4000	U	10.4000	U			P
Potassium		1583.9900	B	2312.4000	B	37.4		P
Selenium		1.7000	U	1.7000	U			P
Silver		3.6000	U	3.6000	U			P
Sodium	5000.0	24774.2600		24822.6800		0.2		P
Thallium		2.8000	U	2.8000	U			P
Vanadium		3.3000	U	3.5100	B	200.0		P
Zinc	20.0	26.3500		24.8600		5.8		P
Cyanide		1.0000	U	1.0000	U			AS

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7
LABORATORY CONTROL SAMPLE

Lab Name: PACE New England, Inc. Contract:

Lab Code: Case No.: SENEC SAS No.: SDG No.: MSEN15

Solid LCS Source:

Aqueous LCS Source: SOL+\SPX\MAL

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	2000.0	1935.89	96.8						
Antimony	500.0	509.81	102.0						
Arsenic	2000.0	1974.01	98.7						
Barium	2000.0	1893.28	94.7						
Beryllium	50.0	46.16	92.3						
Cadmium	50.0	57.18	114.4						
Calcium	10000.0	10581.05	105.8						
Chromium	200.0	200.08	100.0						
Cobalt	500.0	485.55	97.1						
Copper	250.0	242.19	96.9						
Iron	1000.0	1015.72	101.6						
Lead	500.0	472.30	94.5						
Magnesium	10000.0	10103.27	101.0						
Manganese	500.0	488.78	97.8						
Mercury	8.0	7.59	94.9						
Nickel	500.0	496.67	99.3						
Potassium	10000.0	10128.33	101.3						
Selenium	2000.0	1966.23	98.3						
Silver	50.0	48.03	96.1						
Sodium	10000.0	10140.23	101.4						
Thallium	2000.0	1914.62	95.7						
Vanadium	500.0	485.53	97.1						
Zinc	500.0	498.01	99.6						
Cyanide									

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6
DUPLICATES

EPA SAMPLE NO.

ASMW40D

Lab Name: PACE New England, Inc. Contract:

Lab Code: Case No.: SENEC SAS No.: SDG No.: MSEN16

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		25.1700	B	61.4700	B	83.8		P
Antimony		15.6000	U	15.6000	U			P
Arsenic		2.9000	U	2.9000	U			P
Barium		42.7500	B	44.0200	B	2.9		P
Beryllium		0.4000	U	0.4000	U			P
Cadmium		2.1000	U	3.0300	B	200.0		P
Calcium		97014.3100		100646.3600		3.7		P
Chromium		2.3000	U	2.3000	U			P
Cobalt		3.2000	U	3.2000	U			P
Copper		2.6000	U	2.6000	U			P
Iron		86.9000	B	95.8100	B	9.8		P
Lead		0.7000	U	0.7000	U			P
Magnesium	5000.0	10819.5300		11309.7000		4.4		P
Manganese		13.7900	B	13.9000	B	0.8		P
Mercury		0.1000	U	0.1000	U			CV
Nickel		10.4000	U	10.4000	U			P
Potassium		1530.6100	B	1704.5400	B	10.8		P
Selenium		1.7000	U	1.7000	U			P
Silver		3.6000	U	3.6000	U			P
Sodium	5000.0	10960.1400		11551.3400		5.3		P
Thallium		2.8000	U	2.8000	U			P
Vanadium		3.3000	U	3.3000	U			P
Zinc		16.0600	B	17.9900	B	11.3		P
Cyanide		1.0000	U	1.0000	U			AS

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7
LABORATORY CONTROL SAMPLE

Lab Name: PACE New England, Inc. Contract:

Lab Code: Case No.: SENEC SAS No.: SDG No.: MSEN16

Solid LCS Source:

Aqueous LCS Source: SOL+\SPX\MAL

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	2000.0	1964.78	98.2						
Antimony	500.0	521.53	104.3						
Arsenic	2000.0	1941.10	97.1						
Barium	2000.0	1889.07	94.5						
Beryllium	50.0	46.41	92.8						
Cadmium	50.0	57.43	114.9						
Calcium	10000.0	10359.14	103.6						
Chromium	200.0	197.62	98.8						
Cobalt	500.0	488.72	97.7						
Copper	250.0	246.96	98.8						
Iron	1000.0	1009.67	101.0						
Lead	500.0	466.65	93.3						
Magnesium	10000.0	10192.49	101.9						
Manganese	500.0	482.64	96.5						
Mercury	8.0	8.21	102.6						
Nickel	500.0	489.87	98.0						
Potassium	10000.0	10180.89	101.8						
Selenium	2000.0	1942.42	97.1						
Silver	50.0	53.99	108.0						
Sodium	10000.0	10097.14	101.0						
Thallium	2000.0	1873.02	93.7						
Vanadium	500.0	483.66	96.7						
Zinc	500.0	491.45	98.3						
Cyanide									

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

OBDMW4D

Lab Name: PACE New England, Inc. Contract:

Lab Code: Case No.: SENEC SAS No.: SDG No.: MSEN17

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		6068.1900		6706.8900		10.0		P
Antimony		15.6000	U	15.6000	U			P
Arsenic		2.9000	U	2.9000	U			P
Barium		109.5700	B	112.1800	B	2.4		P
Beryllium		0.4000	U	0.4000	B	200.0		P
Cadmium		2.1000	U	2.1000	U			P
Calcium		145613.2000		146233.4800		0.4		P
Chromium	10.0	9.0800	B	10.1000		10.6		P
Cobalt		3.2000	U	4.1300	B	200.0		P
Copper		13.0600	B	13.2000	B	1.1		P
Iron		9094.5800		9291.3600		2.1		P
Lead	3.0	7.3400		7.2500		1.2		P
Magnesium		27445.7100		27696.8100		0.9		P
Manganese		142.8000		146.9700		2.9		P
Mercury	0.2	0.7900		0.8200		3.7		CV
Nickel		17.5300	B	12.5700	B	33.0		P
Potassium	5000.0	5044.7300		5241.4400		3.8		P
Selenium		1.7000	U	1.7000	U			P
Silver		3.6000	U	3.6000	U			P
Sodium	5000.0	18773.5100		18806.3000		0.2		P
Thallium		3.3500	B	2.8000	U	200.0		P
Vanadium		8.4800	B	9.4500	B	10.8		P
Zinc	20.0	53.9200		54.9000		1.8		P
Cyanide		1.0000	U	1.0000	U			AS

U.S. EPA - CLP

7
LABORATORY CONTROL SAMPLE

Lab Name: PACE New England, Inc. Contract:

Lab Code: Case No.: SENEC SAS No.: SDG No.: MSEN17

Solid LCS Source:

Aqueous LCS Source: SOL+\SPX\MAL

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	2000.0	2013.43	100.7						
Antimony	500.0	530.90	106.2						
Arsenic	2000.0	1992.64	99.6						
Barium	2000.0	1954.68	97.7						
Beryllium	50.0	46.30	92.6						
Cadmium	50.0	58.46	116.9						
Calcium	10000.0	10528.95	105.3						
Chromium	200.0	200.33	100.2						
Cobalt	500.0	490.44	98.1						
Copper	250.0	238.83	95.5						
Iron	1000.0	1083.65	108.4						
Lead	500.0	473.44	94.7						
Magnesium	10000.0	10283.27	102.8						
Manganese	500.0	495.57	99.1						
Mercury	8.0	7.99	99.9						
Nickel	500.0	501.75	100.4						
Potassium	10000.0	10470.20	104.7						
Selenium	2000.0	1947.97	97.4						
Silver	50.0	49.73	99.5						
Sodium	10000.0	10477.12	104.8						
Thallium	2000.0	1921.54	96.1						
Vanadium	500.0	490.59	98.1						
Zinc	500.0	498.15	99.6						
Cyanide									

QUALITY CONTROL
Total Organic Carbon
Method: 415.1 EPA-600/4-84-017

QC Batch: 856
Matrix: WATER

METHOD BLANK:

	Result mg/L
	< 1.00

LABORATORY CONTROL SAMPLES:

	True Value mg/L	Observed Value mg/L	Accuracy Recovery %	Precision Relative Percent Difference %
LCS1	5.0	4.130	82.6	9.9
LCS2	5.0	4.560	91.2	

FIELD SAMPLE:

Precision

Lab No.	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
39358-37	1.85	1.48	1.67	22.2

FIELD SAMPLE:
Accuracy

Lab No.	Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
39358-37 MS	1.85	5	6.63	95.6
39358-37 MSD	1.85	5	7.38	110.6
			RPD=	14.549

QUALITY CONTROL
Chloride
Method: 325.1 EPA-600/4-84-017

QC Batch: 574
Matrix: WATER

METHOD BLANK:

Result mg/L
< 1.00

LABORATORY CONTROL SAMPLES:

	True Value mg/L	Observed Value mg/L	Accuracy Recovery %	Precision Relative Percent Difference %
LCS1	200.0	188.775	94.4	0.0
LCS2	200.0	188.829	94.4	

FIELD SAMPLE:

Precision

Lab No.	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
39358-55	43.78	44.02	43.90	0.5

FIELD SAMPLE:
Accuracy

Lab No.	Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
39358-55 MS	43.78	50	93.23	98.9
39358-55 MSD	43.78	50	91.86	96.1
			RPD=	2.810

QUALITY CONTROL
Sulfate
Method: EPA-600 300.0 / SW846 9056

QC Batch: 568A
Matrix: WATER

METHOD BLANK:

	Result mg/L
	< 1.00

LABORATORY CONTROL SAMPLES:

	True Value mg/L	Observed Value mg/L	Accuracy Recovery %	Precision Relative Percent Difference %
LCS1	50.0	47.300	94.6	0.1
LCS2	50.0	47.350	94.7	

FIELD SAMPLE:

Precision

Lab No.	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
39358-55	58.65	58.12	58.39	0.9

FIELD SAMPLE:
Accuracy

Lab No.			Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
39358-55	MS	SNR	58.65	9.09	62.60	43.5
39358-55	MSD	SNR	58.65	9.09	62.80	45.7
					RPD=	4.938

SNR=Spike not required. Sample greater than four times spike level.

QUALITY CONTROL
Specific Conductance
Method: 120.1 EPA-600/4-84-017

QC Batch: 192
Matrix: WATER

METHOD BLANK:

Result mg/L
1.02

LABORATORY CONTROL SAMPLES:

	True Value mg/L	Observed Value mg/L	Accuracy Recovery %	Precision Relative Percent Difference %
LCS1	141.3	138.900	98.3	4.7
LCS2	141.3	145.600	103.0	

FIELD SAMPLE:

Lab No.	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Precision Relative Percent Difference %
39358-55	674.00	694.00	684.00	2.9

QUALITY CONTROL
pH
Method: 150.1 EPA-600/4-84-017
QC Batch: ~~270~~ 279 For: 39332
Matrix: WATER

LABORATORY CONTROL SAMPLES:

	True Value Units	Observed Value Units
LCS1	7.0	7.04
LCS2	7.0	7.05

QUALITY CONTROL
Nitrate plus Nitrite Nitrogen (combined)
Method: 353.2 EPA-600/4-84-017

QC Batch: 550
Matrix: WATER

METHOD BLANK:

	Result mg/L
	< 0.05

LABORATORY CONTROL SAMPLES:

	True Value mg/L	Observed Value mg/L	Accuracy Recovery %	Precision Relative Percent Difference %
LCS1	2.0	1.959	98.0	0.4
LCS2	2.0	1.952	97.6	

FIELD SAMPLE:

Precision

Lab No.	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
39358-67	0.95	0.95	0.95	0.4

FIELD SAMPLE:

Accuracy

Lab No.	Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
39358-67 MS	0.95	1	1.99	103.7
39358-67 MSD	0.95	1	1.98	102.6
			RPD=	1.066

QUALITY CONTROL
pH
Method: 150.1 EPA-600/4-84-017

QC Batch: 281 For: 39388
Matrix: WATER

LABORATORY CONTROL SAMPLES:

	True Value Units	Observed Value Units
LCS1	7.0	7.01
LCS2	7.0	7.01

QUALITY CONTROL
pH
Method: 150.1 EPA-600/4-84-017

QC Batch: 280
Matrix: WATER

LABORATORY CONTROL SAMPLES:

	True Value Units	Observed Value Units
LCS1	7.0	7.00
LCS2	7.0	6.99

FIELD SAMPLE:

Precision

Lab No.	Replicate 1 Units	Replicate 2 Units
39358-73	7.18	7.15

Client Reference: SDG: SEN15

Total Organic Halogen
Batch: 97 35459
Samples: 97 0007954, 97 0007962, 97 0007970

METHOD BLANK:

Parameter	Units	PRL	Method Blank
Total Organic Halogen	mg/L	0.01	ND

SPIKE AND SPIKE DUPLICATE:

Parameter	Units	PRL	970007954 39332-20	Spike	Spike Recv	Spike Dupl Recv	RPD
Total Organic Halogen	mg/L	0.02	ND	0.10	100%	94%	6%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	PRL	Reference Value	Recv	Dupl Recv	RPD
Total Organic Halogen	mg/L	0.01	0.050	85%	101%	17%

Client Reference: SDG: SEN15

Total Organic Halogen
Batch: 97 35524
Samples: 97 0007989, 97 0007997, 97 0008004, 97 0008012, 97 0008020

METHOD BLANK:

Parameter	Units	PRL	Method Blank
Total Organic Halogen	mg/L	0.01	ND

SPIKE AND SPIKE DUPLICATE:

Parameter	Units	PRL	970008020 39358-57	Spike	Spike Recv	Spike Dupl Recv	RPD
Total Organic Halogen	mg/L	0.02	0.03	0.10	112%	86%	26%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	PRL	Reference Value	Recv	Dupl Recv	RPD
Total Organic Halogen	mg/L	0.01	0.050	99%	103%	4%

Client Reference: SDG: SEN15

Total Organic Halogen
Batch: 97 35525
Samples: 97 0008039, 97 0008047, 97 0008055, 97 0008063, 97 0008071
97 0008080

METHOD BLANK:

Parameter	Units	PRL	Method Blank
Total Organic Halogen	mg/L	0.01	ND

SPIKE AND SPIKE DUPLICATE:

Parameter	Units	PRL	970008063 39358-61	Spike	Spike Recv	Spike Dupl Recv	RPD
Total Organic Halogen	mg/L	0.02	ND	0.10	110%	104%	6%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	PRL	Reference Value	Recv	Dupl Recv	RPD
Total Organic Halogen	mg/L	0.01	0.050	100%	95%	5%

Client Reference: SDG: SEN15

Total Organic Halogen
Batch: 97 35639
Samples: 97 0008098, 97 0008110, 97 0008136

METHOD BLANK:

Parameter	Units	PRL	Method Blank
Total Organic Halogen	mg/L	0.01	ND

SPIKE AND SPIKE DUPLICATE:

Parameter	Units	PRL	970008098 39372-14	Spike	Spike Recv	Spike Dupl Recv	RPD
Total Organic Halogen	mg/L	0.02	ND	0.10	110%	90%	20%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	PRL	Reference Value	Recv	Dupl Recv	RPD
Total Organic Halogen	mg/L	0.01	0.05	100%	100%	0%

Client Reference: SDG: SEN15

Total Organic Halogen
Batch: 97 35640
Samples: 97 0008101, 97 0008128

METHOD BLANK:

Parameter	Units	PRL	Method Blank
Total Organic Halogen	mg/L	0.01	ND

SPIKE AND SPIKE DUPLICATE:

Parameter	Units	PRL	970008101 39372-15	Spike	Spike Recv	Spike Dupl Recv	RPD
Total Organic Halogen	mg/L	0.02	ND	0.10	80%	80%	0%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	PRL	Reference Value	Recv	Dupl Recv	RPD
Total Organic Halogen	mg/L	0.01	0.05	100%	100%	0%

QUALITY CONTROL
Total Organic Carbon
Method: 415.1 EPA-600/4-84-017

QC Batch: 857
Matrix: WATER

METHOD BLANK:

	Result mg/L
	< 1.00

LABORATORY CONTROL SAMPLES:

	True Value mg/L	Observed Value mg/L	Accuracy Recovery %	Precision Relative Percent Difference %
LCS1	5.0	4.640	92.8	2.0
LCS2	5.0	4.550	91.0	

FIELD SAMPLE:

Precision

Lab No.	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
39406-24	< 1.00	< 1.00	NC	NC

FIELD SAMPLE:

Accuracy

Lab No.	Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
39406-24 MS	< 1.00	5	5.79	99.4
39406-24 MSD	< 1.00	5	5.65	113.0
			RPD=	12.806

NC = Not calculable due to result below detection limit.

QUALITY CONTROL
Chloride
Method: 325.1 EPA-600/4-84-017

QC Batch: 575
Matrix: WATER

METHOD BLANK:

	Result mg/L
	< 1.00

LABORATORY CONTROL SAMPLES:

	True Value mg/L	Observed Value mg/L	Accuracy Recovery %	Precision Relative Percent Difference %
LCS1	200.0	188.196	94.1	0.0
LCS2	200.0	188.119	94.1	

FIELD SAMPLE:

Precision

Lab No.	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
39406-54	5.45	5.49	5.47	0.6

FIELD SAMPLE:
Accuracy

Lab No.	Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
39406-54 MS	5.45	50	54.74	98.6
39406-54 MSD	5.45	50	54.67	98.4
			RPD=	0.130

Client Reference: SEN16 Seneca Army Depot Quarterly

Total Organic Halogen
Batch: 97 35731
Samples: 97 0009388, 97 0009400, 97 0009426

METHOD BLANK:

Parameter	Units	PRL	Method Blank
Total Organic Halogen	mg/L	0.01	ND

SPIKE AND SPIKE DUPLICATE:

Parameter	Units	PRL	970009388 39399-39	Spike	Spike Recv	Spike Dupl Recv	RPD
Total Organic Halogen	mg/L	0.02	0.03	0.10	110%	110%	0%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	PRL	Reference Value	Recv	Dupl Recv	RPD
Total Organic Halogen	mg/L	0.01	0.05	100%	100%	0%

QUALITY CONTROL
Total Organic Carbon
Method: 415.1 EPA-600/4-84-017

QC Batch: 861 For: 39506
Matrix: WATER

METHOD BLANK:

	Result mg/L
	< 1.00

LABORATORY CONTROL SAMPLES:

	True Value mg/L	Observed Value mg/L	Accuracy Recovery %	Precision Relative Percent Difference %
LCS1	5.0	4.480	89.6	1.1
LCS2	5.0	4.530	90.6	

FIELD SAMPLE:

Precision

Lab No.	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
39506-1	3.60	4.08	3.84	12.5

Accuracy

Lab No.	Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
39506-1	3.60	5	8.07	89.4

QUALITY CONTROL
Chloride
Method: 325.1 EPA-600/4-84-017

QC Batch: 578 For: 39506
Matrix: WATER

METHOD BLANK:

	Result mg/L
	< 1.00

LABORATORY CONTROL SAMPLES:

	True Value mg/L	Observed Value mg/L	Accuracy Recovery %	Precision Relative Percent Difference %
LCS1	200.0	190.836	95.4	0.8
LCS2	200.0	189.403	94.7	

FIELD SAMPLE:

Precision

Lab No.	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
39506-29	2.11	1.97	2.04	6.9

Accuracy

Lab No.	Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
39506-29	2.11	50	49.66	95.1

QUALITY CONTROL
Sulfate
Method: EPA-600 300.0 / SW846 9056

QC Batch: 569A
Matrix: WATER

METHOD BLANK:

	Result mg/L
	< 2.00

LABORATORY CONTROL SAMPLES:

	True Value mg/L	Observed Value mg/L	Accuracy Recovery %	Precision Relative Percent Difference %
LCS1	50.0	46.600	93.2	0.4
LCS2	50.0	46.800	93.6	

FIELD SAMPLE:

Precision

Lab No.	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
39406-54	75.20	76.20	75.70	1.3

FIELD SAMPLE:
Accuracy

Lab No.	Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
39406-54 MS	75.20	40	105.60	76.0
39406-54 MSD	75.20	40	97.40	55.5
			RPD=	31.179

QUALITY CONTROL
Specific Conductance
Method: 120.1 EPA-600/4-84-017

QC Batch: 194
Matrix: WATER

METHOD BLANK:

	Result mg/L
	0.78

LABORATORY CONTROL SAMPLES:

	True Value mg/L	Observed Value mg/L	Accuracy Recovery %	Precision Relative Percent Difference %
LCS1	141.3	142.200	100.6	2.2
LCS2	141.3	145.400	102.9	

FIELD SAMPLE:

Precision Lab No.	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
39406-54	586.00	535.00	560.50	9.1

QUALITY CONTROL
pH
Method: 150.1 EPA-600/4-84-017

QC Batch: 283
Matrix: WATER

LABORATORY CONTROL SAMPLES:

	True Value Units	Observed Value Units
LCS1	7.0	7.03
LCS2	7.0	7.02

FIELD SAMPLE:

Precision

Lab No.	Replicate 1 Units	Replicate 2 Units
39406-85	7.41	7.42

QUALITY CONTROL
Chloride
Method: 325.1 EPA-600/4-84-017

QC Batch: 575
Matrix: WATER

METHOD BLANK:

	Result mg/L
	< 1.00

LABORATORY CONTROL SAMPLES:

	True Value mg/L	Observed Value mg/L	Accuracy Recovery %	Precision Relative Percent Difference %
LCS1	200.0	188.196	94.1	0.0
LCS2	200.0	188.119	94.1	

FIELD SAMPLE:

Precision

Lab No.	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
39406-54	5.45	5.49	5.47	0.6

FIELD SAMPLE:
Accuracy

Lab No.	Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
39406-54 MS	5.45	50	54.74	98.6
39406-54 MSD	5.45	50	54.67	98.4
			RPD=	0.130

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QUALITY CONTROL
Sulfate
Method: EPA-600 300.0 / SW846 9056

QC Batch: 571A For: 39506
Matrix: WATER

METHOD BLANK:

	Result mg/L
	< 1.00

LABORATORY CONTROL SAMPLES:

	True Value mg/L	Observed Value mg/L	Accuracy Recovery %	Precision Relative Percent Difference %
LCS1	50.0	46.900	93.8	0.2
LCS2	50.0	47.000	94.0	

FIELD SAMPLE:

Precision

Lab No.	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
39506-29	190.40	191.20	190.80	0.4

Accuracy

Lab No.		Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
39506-29	SNR	190.40	31.3	214.80	78.0

QUALITY CONTROL
Specific Conductance
Method: 120.1 EPA-600/4-84-017

QC Batch: 197 For: 39506
Matrix: WATER

METHOD BLANK:

Result mg/L
1.21

LABORATORY CONTROL SAMPLES:

	True Value mg/L	Observed Value mg/L	Accuracy Recovery %	Precision Relative Percent Difference %
LCS1	141.3	145.600	103.0	0.5
LCS2	141.3	146.300	103.5	

FIELD SAMPLE:

Lab No.	Precision Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
39506-29	839.00	837.00	838.00	0.2

QUALITY CONTROL
Nitrate plus Nitrite Nitrogen (combined)
Method: 353.2 EPA-600/4-84-017

QC Batch: 553 For: 39506
Matrix: WATER

METHOD BLANK:

	Result mg/L
	< 0.05

LABORATORY CONTROL SAMPLES:

	True Value mg/L	Observed Value mg/L	Accuracy Recovery %	Precision Relative Percent Difference %
LCS1	0.5	0.441	88.2	4.7
LCS2	0.5	0.462	92.4	

FIELD SAMPLE:

Precision

Lab No.	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
39506-50	< 0.05	< 0.05	NC	NC

Accuracy

Lab No.	Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
39506-50	< 0.05	1	0.93	93.0

QUALITY CONTROL
pH
Method: 150.1 EPA-600/4-84-017

QC Batch: 285 For: 39479
Matrix: WATER

LABORATORY CONTROL SAMPLES:

	True Value Units	Observed Value Units
LCS1	7.0	7.01
LCS2	7.0	7.00

FIELD SAMPLE:

Precision

Lab No.	Replicate 1 Units	Replicate 2 Units
39479-19	7.44	7.46

QUALITY CONTROL
pH
Method: 150.1 EPA-600/4-84-017

QC Batch: 287 For: 39506
Matrix: WATER

LABORATORY CONTROL SAMPLES:

	True Value Units	Observed Value Units
LCS1	7.0	7.01
LCS2	7.0	7.00

FIELD SAMPLE:

Precision

Lab No.	Replicate 1 Units	Replicate 2 Units
39506-43	7.25	7.24

QUALITY CONTROL
pH
Method: 150.1 EPA-600/4-84-017

QC Batch: 288 For: 39517
Matrix: WATER

LABORATORY CONTROL SAMPLES:

	True Value Units	Observed Value Units
LCS1	7.0	7.00
LCS2	7.0	7.01

500114

QUALITY CONTROL
pH
Method: 150.1 EPA-600/4-84-017

QC Batch: 290 For: 39517
Matrix: Water

LABORATORY CONTROL SAMPLES:

	True Value Units	Observed Value Units
LCS1	7.0	7.02
LCS2	7.0	7.02

Client Reference: SEN-17 Seneca Army Depot Quarterly

Total Organic Halogen
Batch: 97 35921
Samples: 97 0012583

METHOD BLANK:

Parameter	Units	PRL	Method Blank
Total Organic Halogen	mg/L	0.01	ND

SPIKE AND SPIKE DUPLICATE:

Parameter	Units	PRL	970012583 39479-18	Spike	Spike Recv	Spike Dupl Recv	RPD
Total Organic Halogen	mg/L	0.02	ND	0.10	90%	90%	0%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	PRL	Reference Value	Recv	Dupl Recv	RPD
Total Organic Halogen	mg/L	0.01	0.05	100%	100%	0%

Client Reference: SEN-17 Seneca Army Depot Quarterly

Total Organic Halogen
Batch: 97 35922
Samples: 97 0012575

METHOD BLANK:

Parameter	Units	PRL	Method Blank
Total Organic Halogen	mg/L	0.01	ND

SPIKE AND SPIKE DUPLICATE:

Parameter	Units	PRL	970012575 39479-17	Spike	Spike Recv	Spike Dupl Recv	RPD
Total Organic Halogen	mg/L	0.02	ND	0.10	80%	70%	13%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	PRL	Reference Value	Recv	Dupl Recv	RPD
Total Organic Halogen	mg/L	0.01	0.05	100%	100%	0%

Client Reference: SEN-17 Seneca Army Depot Quarterly

Total Organic Halogen
Batch: 97 35972
Samples: 97 0012443, 97 0012451, 97 0012478, 97 0012486, 97 0012494

METHOD BLANK:

Parameter	Units	PRL	Method Blank
Total Organic Halogen	mg/L	0.01	ND

SPIKE AND SPIKE DUPLICATE:

Parameter	Units	PRL	970012478 39506-36	Spike	Spike Recv	Spike Dupl Recv	RPD
Total Organic Halogen	mg/L	0.02	ND	0.10	80%	95%	17%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	PRL	Reference Value	Recv	Dupl Recv	RPD
Total Organic Halogen	mg/L	0.01	0.050	101%	94%	7%

Client Reference: SEN-17 Seneca Army Depot Quarterly

Total Organic Halogen
Batch: 97 35973
Samples: 97 0012460, 97 0012508, 97 0012532, 97 0012559

METHOD BLANK:

Parameter	Units	PRL	Method Blank
Total Organic Halogen	mg/L	0.01	ND

SPIKE AND SPIKE DUPLICATE:

Parameter	Units	PRL	970012508 39506-37	Spike	Spike Recv	Spike Dupl Recv	RPD
Total Organic Halogen	mg/L	0.02	ND	0.10	115%	85%	30%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	PRL	Reference Value	Recv	Dupl Recv	RPD
Total Organic Halogen	mg/L	0.01	0.050	101%	87%	15%

Client Reference: SEN-17 Seneca Army Depot Quarterly

Total Organic Halogen
Batch: 97 36011
Samples: 97 0012761, 97 0012770

METHOD BLANK:

Parameter	Units	PRL	Method Blank
Total Organic Halogen	mg/L	0.01	ND

SPIKE AND SPIKE DUPLICATE:

Parameter	Units	PRL	970012761 39517-63	Spike	Spike Recv	Spike Dupl Recv	RPD
Total Organic Halogen	mg/L	0.02	ND	0.10	91%	87%	4%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	PRL	Reference Value	Recv	Dupl Recv	RPD
Total Organic Halogen	mg/L	0.01	0.05	104%	98%	6%

Client Reference: SEN-17 Seneca Army Depot Quarterly

Total Organic Halogen
Batch: 97 36012
Samples: 97 0012745, 97 0012753

METHOD BLANK:

Parameter	Units	PRL	Method Blank
Total Organic Halogen	mg/L	0.01	ND

SPIKE AND SPIKE DUPLICATE:

Parameter	Units	PRL	970012745 39517-61	Spike	Spike Recv	Spike Dupl Recv	RPD
Total Organic Halogen	mg/L	0.02	ND	0.10	102%	95%	7%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	PRL	Reference Value	Recv	Dupl Recv	RPD
Total Organic Halogen	mg/L	0.01	0.05	103%	98%	5%

Client Reference: SEN-17 Seneca Army Depot Quarterly

Total Organic Halogen
Batch: 97 36013
Samples: 97 0012591, 97 0012729, 97 0012737

METHOD BLANK:

Parameter	Units	PRL	Method Blank
Total Organic Halogen	mg/L	0.01	ND

SPIKE AND SPIKE DUPLICATE:

Parameter	Units	PRL	970012591 39517-58	Spike	Spike Recv	Spike Dupl Recv	RPD
Total Organic Halogen	mg/L	0.02	0.02	0.10	89%	88%	1%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	PRL	Reference Value	Recv	Dupl Recv	RPD
Total Organic Halogen	mg/L	0.01	0.05	98%	95%	3%

Client Reference: SEN-17 Seneca Army Depot Quarterly

Total Organic Halogen
Batch: 97 36014
Samples: 97 0012788, 97 0012796, 97 0012800

METHOD BLANK:

Parameter	Units	PRL	Method Blank
Total Organic Halogen	mg/L	0.01	ND

SPIKE AND SPIKE DUPLICATE:

Parameter	Units	PRL	970012788 39517-65	Spike	Spike Recv	Spike Dupl Recv	RPD
Total Organic Halogen	mg/L	0.02	ND	0.10	111%	116%	4%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	PRL	Reference Value	Recv	Dupl Recv	RPD
Total Organic Halogen	mg/L	0.01	0.05	103%	106%	3%

4.5 Indicator Parameter Data

Field Identification: ASMW34 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	3	1	39332-005	02/23/94	856	415.1/1
Chloride (mg/L)	16	1	39332-014	02/22/94	574	325.1/1
Sulfate (mg/L)	35	1	39332-014	02/22/94	568A	300.0/1
Specific Conductance (umhos/cm)	640		39332-014	02/21/94	192	120.1/1
Nitrate + Nitrite (mg/L as N)	0.15	0.05	39332-017	02/25/94	550	353.2/1
pH (units)	7.29		39332-023	02/17/94	278	150.1/1

Field Identification: ASMW30 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	4	1	39332-006	02/23/94	856	415.1/1
Chloride (mg/L)	29	1	39332-015	02/22/94	574	325.1/1
Sulfate (mg/L)	32	1	39332-015	02/22/94	568A	300.0/1
Specific Conductance (umhos/cm)	600		39332-015	02/21/94	192	120.1/1
Nitrate + Nitrite (mg/L as N)	0.19	0.05	39332-018	02/25/94	550	353.2/1
pH (units)	7.27		39332-024	02/17/94	278	150.1/1

Field Identification: ASMW31 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	BDL	1	39332-007	02/23/94	856	415.1/1
Chloride (mg/L)	40	1	39332-016	02/22/94	574	325.1/1
Sulfate (mg/L)	66	1	39332-016	02/22/94	568A	300.0/1
Specific Conductance (umhos/cm)	710		39332-016	02/21/94	192	120.1/1
Nitrate + Nitrite (mg/L as N)	0.40	0.05	39332-019	02/25/94	550	353.2/1
pH (units)	7.23		39332-025	02/17/94	278	150.1/1

References: 1) 40 CFR Part 136, Friday, October 26, 1984

Field Identification: ASPT25 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	2	1	39358-005	02/23/94	856	415.1/1
Chloride (mg/L)	38	1	39358-014	02/22/94	574	325.1/1
Sulfate (mg/L)	39	1	39358-014	02/22/94	568A	300.0/1
Specific Conductance (umhos/cm)	580		39358-014	02/21/94	192	120.1/1
Nitrate + Nitrite (mg/L as N)	0.69	0.05	39358-017	02/25/94	550	353.2/1
pH (units)	7.12		39358-023	02/18/94	280	150.1/1

Field Identification: ASMW33 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	1	1	39358-006	02/23/94	856	415.1/1
Chloride (mg/L)	48	1	39358-015	02/22/94	574	325.1/1
Sulfate (mg/L)	49	1	39358-015	02/22/94	568A	300.0/1
Specific Conductance (umhos/cm)	660		39358-015	02/21/94	192	120.1/1
Nitrate + Nitrite (mg/L as N)	0.70	0.05	39358-018	02/25/94	550	353.2/1
pH (units)	7.06		39358-024	02/18/94	280	150.1/1

Field Identification: AMW42D Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	BDL	1	39358-007	02/23/94	856	415.1/1
Chloride (mg/L)	3	1	39358-016	02/22/94	574	325.1/1
Sulfate (mg/L)	22	1	39358-016	02/22/94	568A	300.0/1
Specific Conductance (umhos/cm)	540		39358-016	02/21/94	192	120.1/1
Nitrate + Nitrite (mg/L as N)	BDL	0.05	39358-019	02/25/94	550	353.2/1
pH (units)	7.46		39358-025	02/18/94	280	150.1/1

Field Identification: ASPT15 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	BDL	1	39358-032	02/23/94	856	415.1/1
Chloride (mg/L)	8	1	39358-050	02/22/94	574	325.1/1
Sulfate (mg/L)	51	1	39358-050	02/22/94	568A	300.0/1
Specific Conductance (umhos/cm)	530		39358-050	02/21/94	192	120.1/1
Nitrate + Nitrite (mg/L as N)	0.37	0.05	39358-062	02/25/94	550	353.2/1
pH (units)	7.67		39358-068	02/18/94	280	150.1/1

Field Identification: ASPT10 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	3	1	39358-033	02/23/94	856	415.1/1
Chloride (mg/L)	58	1	39358-051	02/22/94	574	325.1/1
Sulfate (mg/L)	18	1	39358-051	02/22/94	568A	300.0/1
Specific Conductance (umhos/cm)	800		39358-051	02/21/94	192	120.1/1
Nitrate + Nitrite (mg/L as N)	BDL	0.05	39358-063	02/25/94	550	353.2/1
pH (units)	7.38		39358-069	02/18/94	280	150.1/1

Field Identification: APT150 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	4	1	39358-034	02/23/94	856	415.1/1
Chloride (mg/L)	59	1	39358-052	02/22/94	574	325.1/1
Sulfate (mg/L)	17	1	39358-052	02/22/94	568A	300.0/1
Specific Conductance (umhos/cm)	800		39358-052	02/21/94	192	120.1/1
Nitrate + Nitrite (mg/L as N)	BDL	0.05	39358-064	02/25/94	550	353.2/1
pH (units)	6.63		39358-070	02/18/94	280	150.1/1

Field Identification: AMW41D Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	BDL	1	39358-035	02/23/94	856	415.1/1
Chloride (mg/L)	10	1	39358-053	02/22/94	574	325.1/1
Sulfate (mg/L)	43	1	39358-053	02/22/94	568A	300.0/1
Specific Conductance (umhos/cm)	640		39358-053	02/21/94	192	120.1/1
Nitrate + Nitrite (mg/L as N)	0.08	0.05	39358-065	02/25/94	550	353.2/1
pH (units)	7.65		39358-071	02/18/94	280	150.1/1

Field Identification: APT10R Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	BDL	1	39358-036	02/23/94	856	415.1/1
Chloride (mg/L)	BDL	1	39358-054	02/22/94	574	325.1/1
Sulfate (mg/L)	2	1	39358-054	02/22/94	568A	300.0/1
Specific Conductance (umhos/cm)	11		39358-054	02/21/94	192	120.1/1
Nitrate + Nitrite (mg/L as N)	BDL	0.05	39358-066	02/25/94	550	353.2/1
pH (units)	7.41		39358-072	02/18/94	280	150.1/1

Field Identification: ASMW32 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	2	1	39358-037	02/24/94	856	415.1/1
Chloride (mg/L)	44	1	39358-055	02/22/94	574	325.1/1
Sulfate (mg/L)	59	1	39358-055	02/22/94	568A	300.0/1
Specific Conductance (umhos/cm)	670		39358-055	02/21/94	192	120.1/1
Nitrate + Nitrite (mg/L as N)	0.95	0.05	39358-067	02/25/94	550	353.2/1
pH (units)	7.18		39358-073	02/18/94	280	150.1/1

References: 1) 40 CFR Part 136, Friday, October 26, 1984

Field Identification: ASMW39 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	BDL	1	39372-004	02/23/94	856	415.1/1
Chloride (mg/L)	30	1	39372-010	02/22/94	574	325.1/1
Sulfate (mg/L)	32	1	39372-010	02/22/94	568A	300.0/1
Specific Conductance (umhos/cm)	610		39372-010	02/21/94	192	120.1/1
Nitrate + Nitrite (mg/L as N)	0.07	0.05	39372-012	02/25/94	550	353.2/1
pH (units)	7.35		39372-016	02/21/94	281	150.1/1

Field Identification: ASMW37 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	BDL	1	39372-005	02/23/94	856	415.1/1
Chloride (mg/L)	18	1	39372-011	02/22/94	574	325.1/1
Sulfate (mg/L)	25	1	39372-011	02/22/94	568A	300.0/1
Specific Conductance (umhos/cm)	560		39372-011	02/21/94	192	120.1/1
Nitrate + Nitrite (mg/L as N)	0.05	0.05	39372-013	02/25/94	550	353.2/1
pH (units)	7.27		39372-017	02/21/94	281	150.1/1

References: 1) 40 CFR Part 136, Friday, October 26, 1984

Field Identification: AMW38D Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	BDL	1	39388-005	02/23/94	856	415.1/1
Chloride (mg/L)	11	1	39388-014	02/22/94	574	325.1/1
Sulfate (mg/L)	34	1	39388-014	02/22/94	568A	300.0/1
Specific Conductance (umhos/cm)	540		39388-014	02/21/94	192	120.1/1
Nitrate + Nitrite (mg/L as N)	BDL	0.05	39388-017	02/25/94	550	353.2/1
pH (units)	7.38		39388-023	02/21/94	281	150.1/1

Field Identification: ASPT16 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	BDL	1	39388-006	02/23/94	856	415.1/1
Chloride (mg/L)	18	1	39388-015	02/22/94	574	325.1/1
Sulfate (mg/L)	35	1	39388-015	02/22/94	568A	300.0/1
Specific Conductance (umhos/cm)	580		39388-015	02/21/94	192	120.1/1
Nitrate + Nitrite (mg/L as N)	BDL	0.05	39388-018	02/25/94	550	353.2/1
pH (units)	7.14		39388-024	02/21/94	281	150.1/1

Field Identification: ASPT11 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	2	1	39388-007	02/23/94	856	415.1/1
Chloride (mg/L)	33	1	39388-016	02/22/94	574	325.1/1
Sulfate (mg/L)	170	2	39388-016	02/22/94	568A	300.0/1
Specific Conductance (umhos/cm)	910		39388-016	02/21/94	192	120.1/1
Nitrate + Nitrite (mg/L as N)	0.27	0.05	39388-019	02/25/94	550	353.2/1
pH (units)	7.36		39388-025	02/21/94	281	150.1/1

References: 1) 40 CFR Part 136, Friday, October 26, 1984

PACE Interregional-New England
P.O. Box 2130
One Lafayette Road
Hampton, NH 03842

March 10, 1994
PACE Project Number: 140222508

Attn: Ms. Gretchen Franzheim

Client Reference: SDG: SEN15

PACE Sample Number:			97 0007954		
Date Collected:			02/15/94		
Date Received:			02/22/94		
			39332-20		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	ND	SW846 9020	02/26/94

PACE Sample Number:			97 0007962		
Date Collected:			02/15/94		
Date Received:			02/22/94		
Client Sample ID:			39332-21		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	ND	SW846 9020	02/26/94

March 10, 1994
PACE Project Number: 140222508

Client Reference: SDG: SEN15

PACE Sample Number:			97 0007970		
Date Collected:			02/15/94		
Date Received:			02/22/94		
Client Sample ID:			39332-22		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.01	0.02	SW846 9020	02/26/94

PACE Sample Number:			97 0007989		
Date Collected:			02/16/94		
Date Received:			02/22/94		
Client Sample ID:			39358-20		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	ND	SW846 9020	03/01/94

PACE Sample Number:			97 0007997		
Date Collected:			02/16/94		
Date Received:			02/22/94		
Client Sample ID:			39358-21		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	ND	SW846 9020	03/01/94

March 10, 1994
PACE Project Number: 140222508

Client Reference: SDG: SEN15

PACE Sample Number:			97 0008004		
Date Collected:			02/17/94		
Date Received:			02/22/94		
Client Sample ID:			39358-22		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	ND	SW846 9020	03/01/94

PACE Sample Number:			97 0008012		
Date Collected:			02/16/94		
Date Received:			02/22/94		
Client Sample ID:			39358-56		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	ND	SW846 9020	03/01/94

PACE Sample Number:			97 0008020		
Date Collected:			02/16/94		
Date Received:			02/22/94		
Client Sample ID:			39358-57		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	0.03	SW846 9020	03/01/94

March 10, 1994
PACE Project Number: 140222508

Client Reference: SDG: SEN15

PACE Sample Number:			97 0008039		
Date Collected:			02/16/94		
Date Received:			02/22/94		
Client Sample ID:			39358-58		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	ND	SW846 9020	03/01/94

PACE Sample Number:			97 0008047		
Date Collected:			02/16/94		
Date Received:			02/22/94		
Client Sample ID:			39358-59		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	ND	SW846 9020	03/01/94

PACE Sample Number:			97 0008055		
Date Collected:			02/16/94		
Date Received:			02/22/94		
Client Sample ID:			39358-60		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	ND	SW846 9020	03/01/94

March 10, 1994
PACE Project Number: 140222508

Client Reference: SDG: SEN15

Parameter	Units	PRL	97 0008063	METHOD	DATE ANALYZED
PACE Sample Number:			97 0008063		
Date Collected:			02/16/94		
Date Received:			02/22/94		
Client Sample ID:			39358-61		
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	ND	SW846 9020	03/01/94

Parameter	Units	PRL	97 0008071 MS	METHOD	DATE ANALYZED
PACE Sample Number:			97 0008071		
Date Collected:			02/16/94		
Date Received:			02/22/94		
Client Sample ID:			39358-61		
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	0.11	SW846 9020	03/01/94

Parameter	Units	PRL	97 0008080 MSD	METHOD	DATE ANALYZED
PACE Sample Number:			97 0008080		
Date Collected:			02/16/94		
Date Received:			02/22/94		
Client Sample ID:			39358-61		
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	0.10	SW846 9020	03/01/94

March 10, 1994
PACE Project Number: 140222508

Client Reference: SDG: SEN15

Parameter	Units	PRL		METHOD	DATE ANALYZED
PACE Sample Number:			97 0008098		
Date Collected:			02/18/94		
Date Received:			02/22/94		
Client Sample ID:			39372-14		
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	ND	SW846 9020	03/09/94

Parameter	Units	PRL		METHOD	DATE ANALYZED
PACE Sample Number:			97 0008101		
Date Collected:			02/18/94		
Date Received:			02/22/94		
Client Sample ID:			39372-15		
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	ND	SW846 9020	03/09/94

Parameter	Units	PRL		METHOD	DATE ANALYZED
PACE Sample Number:			97 0008110		
Date Collected:			02/19/94		
Date Received:			02/22/94		
Client Sample ID:			39388-20		
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	ND	SW846 9020	03/09/94

March 10, 1994
PACE Project Number: 140222508

Client Reference: SDG: SEN15

PACE Sample Number:			97 0008128		
Date Collected:			02/19/94		
Date Received:			02/22/94		
Client Sample ID:			39388-21		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	0.02	SW846 9020	03/09/94

PACE Sample Number:			97 0008136		
Date Collected:			02/19/94		
Date Received:			02/22/94		
Client Sample ID:			39388-22		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	0.04	SW846 9020	03/09/94

These data have been reviewed and are approved for release.

Frances P. McConahy
Project Manager

Field Identification: ASPT23 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	BDL	1	39399-008	02/23/94	857	415.1/1
Chloride (mg/L)	12	1	39399-026	02/28/94	575	325.1/1
Sulfate (mg/L)	32	1	39399-026	03/02/94	569A	375.4/1
Specific Conductance (umhos/cm)	610		39399-026	02/24/94	194	120.1/1
Nitrate + Nitrite (mg/L as N)	BDL	0.05	39399-032	02/25/94	551	353.2/1
Total Organic Halides (mg/L)	0.04	0.02	39399-038	03/16/94		9020/2
pH (units)	7.48		39399-044	02/22/94	282	150.1/1

Field Identification: ASMW28 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	1	1	39399-009	02/23/94	857	415.1/1
Chloride (mg/L)	18	1	39399-027	02/28/94	575	325.1/1
Sulfate (mg/L)	42	1	39399-027	03/02/94	569A	375.4/1
Specific Conductance (umhos/cm)	460		39399-027	02/24/94	194	120.1/1
Nitrate + Nitrite (mg/L as N)	0.24	0.05	39399-033	02/25/94	551	353.2/1
Total Organic Halides (mg/L)	0.03	0.02	39399-039	03/16/94		9020/2
pH (units)	7.23		39399-045	02/22/94	282	150.1/1

Field Identification: ASPT17 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	6	1	39399-010	02/23/94	857	415.1/1
Chloride (mg/L)	22	1	39399-028	02/28/94	575	325.1/1
Sulfate (mg/L)	29	1	39399-028	03/02/94	569A	375.4/1
Specific Conductance (umhos/cm)	570		39399-028	02/24/94	194	120.1/1
Nitrate + Nitrite (mg/L as N)	0.20	0.05	39399-034	02/25/94	551	353.2/1
Total Organic Halides (mg/L)	0.03	0.02	39399-040	03/16/94		9020/2
pH (units)	7.30		39399-046	02/22/94	282	150.1/1

Field Identification: ASPT24 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	2	1	39399-011	02/23/94	857	415.1/1
Chloride (mg/L)	14	1	39399-029	02/28/94	575	325.1/1
Sulfate (mg/L)	49	1	39399-029	03/02/94	569A	375.4/1
Specific Conductance (umhos/cm)	750		39399-029	02/24/94	194	120.1/1
Nitrate + Nitrite (mg/L as N)	0.26	0.05	39399-035	02/25/94	551	353.2/1
Total Organic Halides (mg/L)	0.03	0.02	39399-041	03/16/94		9020/2
pH (units)	7.33		39399-047	02/22/94	282	150.1/1

Field Identification: ASMW27 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	1	1	39399-012	02/23/94	857	415.1/1
Chloride (mg/L)	44	1	39399-030	02/28/94	575	325.1/1
Sulfate (mg/L)	64	1	39399-030	03/02/94	569A	375.4/1
Specific Conductance (umhos/cm)	770		39399-030	02/24/94	194	120.1/1
Nitrate + Nitrite (mg/L as N)	BDL	0.05	39399-036	02/25/94	551	353.2/1
Total Organic Halides (mg/L)	0.05	0.02	39399-042	03/16/94		9020/2
pH (units)	7.45		39399-048	02/22/94	282	150.1/1

Field Identification: ASMW29 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	BDL	1	39399-013	02/23/94	857	415.1/1
Chloride (mg/L)	25	1	39399-031	02/28/94	575	325.1/1
Sulfate (mg/L)	79	1	39399-031	03/02/94	569A	375.4/1
Specific Conductance (umhos/cm)	520		39399-031	02/24/94	194	120.1/1
Nitrate + Nitrite (mg/L as N)	0.37	0.05	39399-037	02/25/94	551	353.2/1
Total Organic Halides (mg/L)	BDL	0.02	39399-043	03/16/94		9020/2
pH (units)	7.20		39399-049	02/22/94	282	150.1/1

References: 1) 40 CFR Part 136, Friday, October 26, 1984
2) EPA SW 846, 3rd Edition

Field Identification: AMW35D Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	BDL	1	39406-014	02/23/94	857	415.1/1
Chloride (mg/L)	22	1	39406-045	02/28/94	575	325.1/1
Sulfate (mg/L)	28	1	39406-045	03/02/94	569A	375.4/1
Specific Conductance (umhos/cm)	620		39406-045	02/24/94	194	120.1/1
Nitrate + Nitrite (mg/L as N)	BDL	0.05	39406-055	02/25/94	551	353.2/1
Total Organic Halides (mg/L)	BDL	0.02	39406-065	03/18/94		9020/2
pH (units)	7.44		39406-076	02/23/94	283	150.1/1

Field Identification: ASMW36 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	2	1	39406-015	02/23/94	857	415.1/1
Chloride (mg/L)	37	1	39406-046	02/28/94	575	325.1/1
Sulfate (mg/L)	70	1	39406-046	03/02/94	569A	375.4/1
Specific Conductance (umhos/cm)	990		39406-046	02/24/94	194	120.1/1
Nitrate + Nitrite (mg/L as N)	1.1	0.05	39406-056	02/25/94	551	353.2/1
Total Organic Halides (mg/L)	BDL	0.02	39406-066	03/21/94		9020/2
pH (units)	7.27		39406-077	02/23/94	283	150.1/1

Field Identification: ASPT26 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	BDL	1	39406-016	02/23/94	857	415.1/1
Chloride (mg/L)	10	1	39406-047	02/28/94	575	325.1/1
Sulfate (mg/L)	110	2	39406-047	03/03/94	569A	375.4/1
Specific Conductance (umhos/cm)	800		39406-047	02/24/94	194	120.1/1
Nitrate + Nitrite (mg/L as N)	0.28	0.05	39406-057	02/25/94	551	353.2/1
Total Organic Halides (mg/L)	BDL	0.02	39406-067	03/21/94		9020/2
pH (units)	7.27		39406-078	02/23/94	283	150.1/1

Field Identification: ASPT18 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	4	1	39406-017	02/23/94	857	415.1/1
Chloride (mg/L)	64	1	39406-048	02/28/94	575	325.1/1
Sulfate (mg/L)	250	4	39406-048	03/03/94	569A	375.4/1
Specific Conductance (umhos/cm)	1300		39406-048	02/24/94	194	120.1/1
Nitrate + Nitrite (mg/L as N)	BDL	0.05	39406-058	02/25/94	551	353.2/1
Total Organic Halides (mg/L)	6.0	0.20	39406-068	03/21/94		9020/2
pH (units)	6.93		39406-079	02/23/94	283	150.1/1

Field Identification: APT152 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	5	1	39406-018	02/23/94	857	415.1/1
Chloride (mg/L)	65	1	39406-049	02/28/94	575	325.1/1
Sulfate (mg/L)	250	4	39406-049	03/03/94	569A	375.4/1
Specific Conductance (umhos/cm)	1300		39406-049	02/24/94	194	120.1/1
Nitrate + Nitrite (mg/L as N)	BDL	0.05	39406-059	02/25/94	551	353.2/1
Total Organic Halides (mg/L)	6.36	0.20	39406-069	03/21/94		9020/2
pH (units)	6.90		39406-080	02/23/94	283	150.1/1

Field Identification: APT18R Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	BDL	1	39406-019	02/23/94	857	415.1/1
Chloride (mg/L)	BDL	1	39406-050	02/28/94	575	325.1/1
Sulfate (mg/L)	2	1	39406-050	03/02/94	569A	375.4/1
Specific Conductance (umhos/cm)	9.2		39406-050	02/24/94	194	120.1/1
Nitrate + Nitrite (mg/L as N)	BDL	0.05	39406-060	02/25/94	551	353.2/1
Total Organic Halides (mg/L)	BDL	0.02	39406-070	03/21/94		9020/2
pH (units)	7.65		39406-081	02/23/94	283	150.1/1

Field Identification: ASPT20 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	2	1	39406-020	02/23/94	857	415.1/1
Chloride (mg/L)	14	1	39406-051	02/28/94	575	325.1/1
Sulfate (mg/L)	75	1	39406-051	03/02/94	569A	375.4/1
Specific Conductance (umhos/cm)	680		39406-051	02/24/94	194	120.1/1
Nitrate + Nitrite (mg/L as N)	0.16	0.05	39406-061	02/25/94	551	353.2/1
Total Organic Halides (mg/L)	BDL	0.02	39406-071	03/21/94		9020/2
pH (units)	7.19		39406-082	02/23/94	283	150.1/1

Field Identification: ASPT22 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	2	1	39406-021	02/23/94	857	415.1/1
Chloride (mg/L)	31	1	39406-052	02/28/94	575	325.1/1
Sulfate (mg/L)	83	1	39406-052	03/02/94	569A	375.4/1
Specific Conductance (umhos/cm)	660		39406-052	02/24/94	194	120.1/1
Nitrate + Nitrite (mg/L as N)	0.05	0.05	39406-062	02/25/94	551	353.2/1
Total Organic Halides (mg/L)	0.11	0.02	39406-072	03/21/94		9020/2
pH (units)	7.15		39406-083	02/23/94	283	150.1/1

Field Identification: ASPT12 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	1	1	39406-022	02/23/94	857	415.1/1
Chloride (mg/L)	7	1	39406-053	02/28/94	575	325.1/1
Sulfate (mg/L)	140	2	39406-053	03/03/94	569A	375.4/1
Specific Conductance (umhos/cm)	810		39406-053	02/24/94	194	120.1/1
Nitrate + Nitrite (mg/L as N)	1.1	0.05	39406-063	02/25/94	551	353.2/1
Total Organic Halides (mg/L)	0.09	0.02	39406-073	03/21/94		9020/2
pH (units)	7.08		39406-084	02/23/94	283	150.1/1

Field Identification: ASPT21 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	1	1	39406-023	02/23/94	857	415.1/1
Total Organic Halides (mg/L)	0.02	0.02	39406-074	03/21/94		9020/2

Field Identification: ASMW40 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	BDL	1	39406-024	02/23/94	857	415.1/1
Chloride (mg/L)	5	1	39406-054	02/28/94	575	325.1/1
Sulfate (mg/L)	75	1	39406-054	03/02/94	569A	375.4/1
Specific Conductance (umhos/cm)	590		39406-054	02/24/94	194	120.1/1
Nitrate + Nitrite (mg/L as N)	0.15	0.05	39406-064	02/25/94	551	353.2/1
Total Organic Halides (mg/L)	BDL	0.02	39406-075	03/21/94		9020/2
pH (units)	7.41		39406-085	02/23/94	283	150.1/1

References: 1) 40 CFR Part 136, Friday, October 26, 1984
2) EPA SW 846, 3rd Edition

PACE Interregional-New England
P.O. Box 2130
One Lafayette Road
Hampton, NH 03842

March 29, 1994
PACE Project Number: 140225504

Attn: Gretchen Franzheim

Client Reference: SEN16 Seneca Army Depot Quarterly

PACE Sample Number:			97 0009370		
Date Collected:			02/20/94		
Date Received:			02/25/94		
			39399-38		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	0.04	SW846 9020	03/16/94

PACE Sample Number:			97 0009388		
Date Collected:			02/20/94		
Date Received:			02/25/94		
Client Sample ID:			39399-39		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	0.03	SW846 9020	03/16/94

March 29, 1994
PACE Project Number: 140225504

Client Reference: SEN16 Seneca Army Depot Quarterly

PACE Sample Number:			97 0009396		
Date Collected:			02/20/94		
Date Received:			02/25/94		
Client Sample ID:			39399-40		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	0.03	SW846 9020	03/16/94

PACE Sample Number:			97 0009400		
Date Collected:			02/20/94		
Date Received:			02/25/94		
Client Sample ID:			39399-41		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	0.03	SW846 9020	03/16/94

PACE Sample Number:			97 0009418		
Date Collected:			02/20/94		
Date Received:			02/25/94		
Client Sample ID:			39399-42		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	0.05	SW846 9020	03/16/94

March 29, 1994
PACE Project Number: 140225504

Client Reference: SEN16 Seneca Army Depot Quarterly

PACE Sample Number:			97 0009426		
Date Collected:			02/20/94		
Date Received:			02/25/94		
Client Sample ID:			39399-43		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	ND	SW846 9020	03/16/94

PACE Sample Number:			97 0009434		
Date Collected:			02/22/94		
Date Received:			02/25/94		
Client Sample ID:			39406-65		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	ND	SW846 9020	03/16/94

PACE Sample Number:			97 0009515		
Date Collected:			02/22/94		
Date Received:			02/25/94		
Client Sample ID:			39406-66		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	ND	SW846 9020	03/21/94

Client Reference: SEN16 Seneca Army Depot Quarterly

PACE Sample Number:			97 0009523		
Date Collected:			02/22/94		
Date Received:			02/25/94		
Client Sample ID:			39406-67		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	ND	SW846 9020	03/21/94

PACE Sample Number:			97 0009531		
Date Collected:			02/21/94		
Date Received:			02/25/94		
Client Sample ID:			39406-68		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.20	6.00	SW846 9020	03/21/94

PACE Sample Number:			97 0009540		
Date Collected:			02/21/94		
Date Received:			02/25/94		
Client Sample ID:			39406-69		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.20	6.36	SW846 9020	03/21/94

March 29, 1994
PACE Project Number: 140225504

Client Reference: SEN16 Seneca Army Depot Quarterly

PACE Sample Number:			97 0009558		
Date Collected:			02/21/94		
Date Received:			02/25/94		
Client Sample ID:			39406-70		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	ND	SW846 9020	03/21/94

PACE Sample Number:			97 0009566		
Date Collected:			02/21/94		
Date Received:			02/25/94		
Client Sample ID:			39406-71		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	ND	SW846 9020	03/21/94

PACE Sample Number:			97 0009574		
Date Collected:			02/21/94		
Date Received:			02/25/94		
Client Sample ID:			39406-72		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	0.11	SW846 9020	03/21/94

Client Reference: SEN16 Seneca Army Depot Quarterly

PACE Sample Number:			97 0009582		
Date Collected:			02/22/94		
Date Received:			02/25/94		
Client Sample ID:			39406-73		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	0.09	SW846 9020	03/21/94

PACE Sample Number:			97 0009590		
Date Collected:			02/22/94		
Date Received:			02/25/94		
Client Sample ID:			39406-74		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	0.02	SW846 9020	03/21/94

PACE Sample Number:			97 0009604		
Date Collected:			02/21/94		
Date Received:			02/25/94		
Client Sample ID:			39406-75		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	ND	SW846 9020	03/21/94

March 29, 1994
PACE Project Number: 140225504

Client Reference: SEN16 Seneca Army Depot Quarterly

PACE Sample Number:			97 0009612		
Date Collected:			02/21/94		
Date Received:			02/25/94		
Client Sample ID:			39406-75		
Parameter	Units	PRL	MS	METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	0.09	SW846 9020	03/21/94

PACE Sample Number:			97 0009620		
Date Collected:			02/21/94		
Date Received:			02/25/94		
Client Sample ID:			39406-75		
Parameter	Units	PRL	MSD	METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	0.09	SW846 9020	03/21/94

These data have been reviewed and are approved for release.

Frances P. McConahy
Project Manager

Client Reference: SEN16 Seneca Army Depot Quarterly

ND Not detected at or above the PRL.
PRL PACE Reporting Limit

Field Identification: OBDMW7 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	3	1	39479-003	03/07/94	861	415.1/1
Chloride (mg/L)	BDL	1	39479-011	03/07/94	578	325.1/1
Sulfate (mg/L)	34	1	39479-011	03/07/94	571A	300.0/1
Specific Conductance (umhos/cm)	470		39479-011	03/07/94	197	120.1/1
Nitrate + Nitrite (mg/L as N)	0.16	0.05	39479-014	03/08/94	553	353.2/1
pH (units)	7.44		39479-019	03/02/94	285	150.1/1

Field Identification: OBMW16 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	4	1	39479-004	03/07/94	861	415.1/1
Chloride (mg/L)	1	1	39479-012	03/07/94	578	325.1/1
Sulfate (mg/L)	160	2	39479-012	03/07/94	571A	300.0/1
Specific Conductance (umhos/cm)	740		39479-012	03/07/94	197	120.1/1
Nitrate + Nitrite (mg/L as N)	0.17	0.05	39479-015	03/08/94	553	353.2/1
pH (units)	7.23		39479-020	03/02/94	285	150.1/1

Field Identification: ASPT21 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Chloride (mg/L)	67	1	39479-013	03/07/94	578	325.1/1
Sulfate (mg/L)	120	2	39479-013	03/07/94	571A	300.0/1
Specific Conductance (umhos/cm)	890		39479-013	03/07/94	197	120.1/1
Nitrate + Nitrite (mg/L as N)	0.31	0.05	39479-016	03/08/94	553	353.2/1
pH (units)	7.72		39479-021	03/02/94	285	150.1/1

References: 1) 40 CFR Part 136, Friday, October 26, 1984

Field Identification: OBMW27 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	2	1	39517-005	03/07/94	861	415.1/1
Chloride (mg/L)	11	1	39517-042	03/07/94	578	325.1/1
Sulfate (mg/L)	100	1	39517-042	03/07/94	571A	300.0/1
Specific Conductance (umhos/cm)	920		39517-042	03/07/94	197	120.1/1
pH (units)	7.39		39517-052	03/07/94	288	150.1/1
Nitrate + Nitrite (mg/L as N)	1.2	0.05	39517-072	03/08/94	553	353.2/1

Field Identification: OBDMW2 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	2	1	39517-006	03/07/94	861	415.1/1
Chloride (mg/L)	2	1	39517-043	03/07/94	578	325.1/1
Sulfate (mg/L)	100	1	39517-043	03/07/94	571A	300.0/1
Specific Conductance (umhos/cm)	640		39517-043	03/07/94	197	120.1/1
pH (units)	7.40		39517-053	03/07/94	288	150.1/1
Nitrate + Nitrite (mg/L as N)	BDL	0.05	39517-073	03/08/94	553	353.2/1

Field Identification: OBMW30 Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	2	1	39517-007	03/07/94	861	415.1/1
Chloride (mg/L)	23	1	39517-044	03/07/94	578	325.1/1
Sulfate (mg/L)	250	4	39517-044	03/08/94	571A	300.0/1
Specific Conductance (umhos/cm)	970		39517-044	03/07/94	197	120.1/1
pH (units)	7.07		39517-054	03/07/94	288	150.1/1
Nitrate + Nitrite (mg/L as N)	0.34	0.05	39517-074	03/08/94	553	353.2/1

Field Identification: ASBRNS Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	2	1	39517-008	03/07/94	861	415.1/1
Chloride (mg/L)	24	1	39517-045	03/07/94	578	325.1/1
Sulfate (mg/L)	100	1	39517-045	03/07/94	571A	300.0/1
Specific Conductance (umhos/cm)	880		39517-045	03/07/94	197	120.1/1
pH (units)	7.37		39517-055	03/07/94	288	150.1/1
Nitrate + Nitrite (mg/L as N)	12	0.3	39517-075	03/08/94	553	353.2/1

Field Identification: ASHFHD

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	2	1	39517-009	03/07/94	861	415.1/1
Chloride (mg/L)	12	1	39517-046	03/07/94	578	325.1/1
Sulfate (mg/L)	29	1	39517-046	03/07/94	571A	300.0/1
Specific Conductance (umhos/cm)	790		39517-046	03/07/94	197	120.1/1
pH (units)	8.63		39517-056	03/07/94	288	150.1/1
Nitrate + Nitrite (mg/L as N)	BDL	0.05	39517-076	03/08/94	553	353.2/1

Field Identification: ASHFHS

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	3	1	39517-010	03/07/94	861	415.1/1
Chloride (mg/L)	16	1	39517-047	03/07/94	578	325.1/1
Sulfate (mg/L)	48	1	39517-047	03/07/94	571A	300.0/1
Specific Conductance (umhos/cm)	790		39517-047	03/07/94	197	120.1/1
pH (units)	7.30		39517-057	03/07/94	288	150.1/1
Nitrate + Nitrite (mg/L as N)	1.7	0.05	39517-077	03/08/94	553	353.2/1

References: 1) 40 CFR Part 136, Friday, October 26, 1984

April 01, 1994
PACE Project Number: 140310511

Client Reference: SEN-17 Seneca Army Depot Quarterly

PACE Sample Number:			97 0012770		
Date Collected:			03/02/94		
Date Received:			03/10/94	MW 30	
Client Sample ID:			39517-64		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	ND	SW846 9020	03/30/94

PACE Sample Number:			97 0012788		
Date Collected:			03/03/94		
Date Received:			03/10/94	BRN-5	
Client Sample ID:			39517-65		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	ND	SW846 9020	03/31/94

PACE Sample Number:			97 0012796		
Date Collected:			03/03/94		
Date Received:			03/10/94	FHD	
Client Sample ID:			39517-66		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	ND	SW846 9020	03/31/94

April 01, 1994
PACE Project Number: 140310511

Client Reference: SEN-17 Seneca Army Depot Quarterly

PACE Sample Number:			97 0012800		
Date Collected:			03/03/94		
Date Received:			03/10/94 FHS		
Client Sample ID:			39517-67		
Parameter	Units	PRL		METHOD	DATE ANALYZED
INORGANIC ANALYSIS					
INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	ND	SW846 9020	03/31/94

These data have been reviewed and are approved for release.

Frances P. McConahy
Project Manager

Client Reference: SEN-17 Seneca Army Depot Quarterly

ND Not detected at or above the PRL.
PRL PACE Reporting Limit