

ASH-01-003

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**GROUNDWATER MONITORING
VALIDATED ANALYTICAL RESULTS FOR THE FOURTH QUARTER 1993
ASH LANDFILL, SENECA ARMY DEPOT**

PREPARED FOR:

**U.S. Army Corps of Engineers
Hunstville, Alabama**

PREPARED BY:

**Engineering-Science, Inc.
Boston, Massachusetts**

March 1994
D#10

ENGINEERING-SCIENCE, INC.

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

April 8, 1994
770454-01009

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

SUBJECT: Fourth Quarter Groundwater Monitoring for 1993,
Ash Landfill, Seneca Army Depot, Romulus, New York

Dear Mr. Suever:

Enclosed are the analytical results for the fourth quarter groundwater monitoring for 1993. The analytical results are divided into three major groups: volatile organic compounds, miscellaneous parameters, and QA/QC data (Sections 1, 2, and 3, respectively, in the enclosed document). Generally, the results of the fourth quarter 1993 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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SECTION 1.0
Volatile Organic Compounds:

- 1.1 Summary of Validated Volatile Analysis Results
(TCL and 524.2)**
- 1.2 Validated Volatile Analysis Results
(TCL and 524.2)**
- 1.3 Summary of Volatile Historical Data for
Selected Wells**

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

ASH LANDFILL FOURTH QUARTER 1993 MONITORING
SUMMARY OF VALIDATED VOLATILE ANALYSIS RESULTS (TCL and 524.2)

MONITORING WELL	COMPOUND						TOTAL VOCs (ug/l)
	1,2-DCE (ug/l)	TCE (ug/l)	Vinyl Chloride (ug/l)	Chloroform (ug/l)	1,2-DCA (ug/l)	Methylene Chloride (ug/l)	
PT-10	10U	10U	10U	10U	10U	10U	10U
PT-11	10U	10U	10U	10U	10U	10U	10U
PT-12	81	95	10U	10U	10U	10U	ND
PT-15	10U	10U	10U	10U	10U	10U	176
PT-16	10U	10U	10U	10U	10U	10U	ND
PT-17	12	100	100	100	100	10U	112
PT-18	1000U	9500	1000U	1000U	1000U	1000U	9500
PT-19	10U	10U	10U	10U	10U	10U	ND
PT-20	40	31	10U	10U	10U	10U	ND
PT-21	18	5J	10U	10U	10U	10U	71
PT-22	140	92	10U	10U	10U	10U	237
PT-23	10U	10U	10U	10U	10U	10U	ND
PT-24	72	4J	10U	10U	10U	10U	76
PT-25	10U	10U	10U	10U	10U	10U	ND
PT-26	10U	10U	10U	10U	10U	10U	ND
MW-27	10U	10U	10U	10U	10U	10U	ND
MW-28	43	28	10U	10U	10U	10U	ND
MW-29	63	10U	10U	10U	10U	10U	63
MW-30	10U	10U	10U	10U	10U	10U	ND
MW-31	10U	10U	10U	10U	10U	10U	ND
MW-32	10U	10U	10U	10U	10U	10U	ND
MW-33	10U	10U	10U	10U	10U	10U	ND
MW-34	10U	10U	10U	10U	10U	10U	ND
MW-35D	10U	10U	10U	10U	10U	10U	ND
MW-36	10U	10U	10U	10U	10U	10U	ND
MW-37	10U	10U	10U	10U	10U	10U	ND
MW-38D	10U	10U	10U	10U	10U	10U	ND
MW-39	10U	10U	10U	10U	10U	10U	ND
MW-40	10U	10U	10U	10U	10U	10U	ND
MW-41D	10U	10U	10U	10U	10U	10U	ND
MW-42D	10U	1U	1U	1U	1U	1U	ND
FH-S	1U	1U	1U	1U	1U	1U	1U
FH-D	1U	1U	1U	1U	1U	1U	ND
BRN-S	1U	1U	1U	1U	1U	1U	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 FOURTH QUARTER 1993 MONITORING
VALIDATED VOLATILE ANALYSIS RESULTS (TCI)**

COMPOUND	MATRIX	LOCATION	DATE SAMPLED	DATE ANALYZED	ES ID	LAB ID	UNITS	WATER		WATER		WATER	
								ASH	ASH	ASH	ASH	ASH	ASH
CHLOROMETHANE	WATER	ASH	11/19/93	11/20/93			ug/L	10	10	10	10	10	10
BROMOMETHANE		ASH	11/24/93	11/29/93			ug/L	10	10	10	10	10	10
VINYL CHLORIDE		ASH	PT-10	PT-11			ug/L	10	10	10	10	10	10
CHLOROETHANE		ASH	38516-4	38533-1			ug/L	10	10	10	10	10	10
METHYLENE CHLORIDE		ASH					ug/L	10	10	10	10	10	10
ACETONE		ASH					ug/L	10	10	10	10	10	10
CARBON DISULFIDE		ASH					ug/L	10	10	10	10	10	10
1,1-DICHLOROETHENE		ASH					ug/L	10	10	10	10	10	10
1,1-DICHLOROETHANE		ASH					ug/L	10	10	10	10	10	10
1,2-DICHLOROETHENE		ASH					ug/L	10	10	10	10	10	10
CHLOROFORM		ASH					ug/L	10	10	10	10	10	10
1,2-DICHLOROETHANE		ASH					ug/L	10	10	10	10	10	10
2-BUTANONE		ASH					ug/L	10	10	10	10	10	10
1,1,1-TRICHLOROETHANE		ASH					ug/L	10	10	10	10	10	10
CARBON TETRACHLORIDE		ASH					ug/L	10	10	10	10	10	10
BROMODICHLOROMETHANE		ASH					ug/L	10	10	10	10	10	10
1,2-DICHLOROPROpane		ASH					ug/L	10	10	10	10	10	10
Cis-1,3-DICHLOROPROPENE		ASH					ug/L	10	10	10	10	10	10
TRICHLOROETHENE		ASH					ug/L	10	10	10	10	10	10
DIBROMOCHLOROMETHANE		ASH					ug/L	10	10	10	10	10	10
BENZENE		ASH					ug/L	10	10	10	10	10	10
TRANS-1,3-DICHLOROPROPENE		ASH					ug/L	10	10	10	10	10	10
BROMOFORM		ASH					ug/L	10	10	10	10	10	10
4-METHYL-2-PENTANONE		ASH					ug/L	10	10	10	10	10	10
2-HEXANONE		ASH					ug/L	10	10	10	10	10	10
TETRACHLOROETHENE		ASH					ug/L	10	10	10	10	10	10
1,1,2,2-TETRACHLOROETHANE		ASH					ug/L	10	10	10	10	10	10
TOLUENE		ASH					ug/L	10	10	10	10	10	10
CHLOROBENZENE		ASH					ug/L	10	10	10	10	10	10
ETHYLBENZENE		ASH					ug/L	10	10	10	10	10	10
STYRENE		ASH					ug/L	10	10	10	10	10	10
XYLENES(TOTAL)		ASH					ug/L	10	10	10	10	10	10

**ASH LANDFILL FOURTH QUARTER 1993 MONITORING
VALIDATED VOLATILE ANALYSIS RESULTS (TCI)**

COMPOUND	UNITS	MATRIX	LOCATION	DATE SAMPLED	DATE ANALYZED	ES ID	LAB ID	WATER		WATER		WATER	
								ASH	ASH	ASH	ASH	ASH	ASH
CHLOROMETHANE	ug/L	WATER	ASH	11/09/93	11/23/93			10	U	10	10	10	10
BROMOMETHANE	ug/L	ASH	ASH	11/16/93	11/30/93	PT-20	PT-21	12/05/93	12/08/93	11/23/93	11/16/93	11/10/93	11/29/93
VINYL CHLORIDE	ug/L	WATER	ASH	PT-19	38648-1	38635-1		10	U	10	10	10	10
CHLOROETHANE	ug/L	ASH	ASH	38384-47				10	U	10	10	10	10
METHYLENE CHLORIDE	ug/L	WATER	ASH					10	U	10	10	10	10
ACETONE	ug/L	ASH	ASH					10	U	10	10	10	10
CARBON DISULFIDE	ug/L	WATER	ASH					10	U	10	10	10	10
1,1-DICHLOROETHENE	ug/L	ASH	ASH					10	U	10	10	10	10
1,1-DICHLOROETHANE	ug/L	WATER	ASH					10	U	10	10	10	10
1,2-DICHLOROETHENE	ug/L	ASH	ASH					40	10	10	10	10	10
CHLOROFORM	ug/L	WATER	ASH					10	U	10	10	10	10
1,2-DICHLOROETHANE	ug/L	ASH	ASH					10	U	10	10	10	10
2-BUTANONE	ug/L	WATER	ASH					10	U	10	10	10	10
1,1,1-TRICHLOROETHANE	ug/L	ASH	ASH					10	U	10	10	10	10
CARBON TETRACHLORIDE	ug/L	WATER	ASH					10	U	10	10	10	10
BROMODICHLOROMETHANE	ug/L	ASH	ASH					10	U	10	10	10	10
1,2-DICHLOROPROPANE	ug/L	WATER	ASH					10	U	10	10	10	10
Cis-1,3-DICHLOROPROPENE	ug/L	ASH	ASH					10	U	10	10	10	10
TRICHLOROETHENE	ug/L	WATER	ASH					31	5	92	10	10	10
DIBROMOCHLOROMETHANE	ug/L	ASH	ASH					10	U	10	10	10	10
1,1,2-TRICHLOROETHANE	ug/L	WATER	ASH					10	U	10	10	10	10
BENZENE	ug/L	ASH	ASH					10	U	10	10	10	10
TRANS-1,3-DICHLOROPROPENE	ug/L	WATER	ASH					10	U	10	10	10	10
BROMOFORM	ug/L	ASH	ASH					10	U	10	10	10	10
4-METHYL-2-PENTANONE	ug/L	WATER	ASH					10	U	10	10	10	10
2-HEXANONE	ug/L	ASH	ASH					10	U	10	10	10	10
TETRACHLOROETHENE	ug/L	WATER	ASH					10	U	10	10	10	10
1,1,2,2-TETRACHLOROETHANE	ug/L	ASH	ASH					10	U	10	10	10	10
TOLUENE	ug/L	WATER	ASH					10	U	10	10	10	10
CHLOROBENZENE	ug/L	ASH	ASH					10	U	10	10	10	10
ETHYLBENZENE	ug/L	WATER	ASH					10	U	10	10	10	10
STYRENE	ug/L	ASH	ASH					10	U	10	10	10	10
XYLENES(TOTAL)	ug/L	ASH	ASH					10	U	10	10	10	10

**ASH LANDFILL FOURTH QUARTER 1993 MONITORING
VALIDATED VOLATILE ANALYSIS RESULTS (TCI)**

COMPOUND	UNITS	WATER		WATER		WATER	
		ASH	DATE SAMPLED	ASH	DATE SAMPLED	ASH	DATE SAMPLED
CHLOROMETHANE	ug/L	U	12/03/93	ASH	11/21/93	ASH	11/21/93
BROMOMETHANE	ug/L	10	12/06/93	ASH	12/05/93	ASH	12/01/93
VINYL CHLORIDE	ug/L	10	PT-26	ASH	12/13/93	ASH	12/07/93
CHLOROETHANE	ug/L	10	38635-6	ASH	MW-27	ASH	MW-28
METHYLENE CHLORIDE	ug/L	10	38635-3	ASH	MW-27	ASH	MW-29
ACETONE	ug/L	10	38635-7	ASH	38533-3	ASH	38533-6
CARBON DISULFIDE	ug/L	10	38635-8	ASH	38635-8	ASH	38635-8
1,1-DICHLOROETHENE	ug/L	10	38635-8	ASH	38635-8	ASH	38635-8
1,1-DICHLOROETHANE	ug/L	10	38635-8	ASH	38635-8	ASH	38635-8
1,2-DICHLOROETHENE	ug/L	10	38635-8	ASH	38635-8	ASH	38635-8
CHLOROFORM	ug/L	10	38635-8	ASH	38635-8	ASH	38635-8
1,2-DICHLOROETHANE	ug/L	10	38635-8	ASH	38635-8	ASH	38635-8
2-BUTANONE	ug/L	10	38635-8	ASH	38635-8	ASH	38635-8
1,1,1-TRICHLOROETHANE	ug/L	10	38635-8	ASH	38635-8	ASH	38635-8
CARBON TETRACHLORIDE	ug/L	10	38635-8	ASH	38635-8	ASH	38635-8
BROMODICHLOROMETHANE	ug/L	10	38635-8	ASH	38635-8	ASH	38635-8
1,2-DICHLOROPROPANE	ug/L	10	38635-8	ASH	38635-8	ASH	38635-8
Cis-1,3-DICHLOROPROPENE	ug/L	10	38635-8	ASH	38635-8	ASH	38635-8
TRICHLOROETHENE	ug/L	10	38635-8	ASH	38635-8	ASH	38635-8
DIBROMOCHLOROMETHANE	ug/L	10	38635-8	ASH	38635-8	ASH	38635-8
BENZENE	ug/L	10	38635-8	ASH	38635-8	ASH	38635-8
TRANS-1,3-DICHLOROPROPENE	ug/L	10	38635-8	ASH	38635-8	ASH	38635-8
BROMOFORM	ug/L	10	38635-8	ASH	38635-8	ASH	38635-8
4-METHYL-2-PENTANONE	ug/L	10	38635-8	ASH	38635-8	ASH	38635-8
2-HEXANONE	ug/L	10	38635-8	ASH	38635-8	ASH	38635-8
TETRACHLOROETHENE	ug/L	10	38635-8	ASH	38635-8	ASH	38635-8
1,1,2,2-TETRACHLOROETHANE	ug/L	10	38635-8	ASH	38635-8	ASH	38635-8
TOLUENE	ug/L	10	38635-8	ASH	38635-8	ASH	38635-8
CHLOROBENZENE	ug/L	10	38635-8	ASH	38635-8	ASH	38635-8
ETHYLBENZENE	ug/L	10	38635-8	ASH	38635-8	ASH	38635-8
STYRENE	ug/L	10	38635-8	ASH	38635-8	ASH	38635-8
XYLENES(TOTAL)	ug/L	10	38635-8	ASH	38635-8	ASH	38635-8

**ASHI LANDFILL FOURTH QUARTER 1993 MONITORING
VALIDATED VOLATILE ANALYSIS RESULTS (TC)**

WATER	WATER
ASH	ASH
12/01/93	12/03/93
12/07/93	12/08/93
MW -32	MW -36
38619-4	38635-5
	386384 - 44

WATER	WATER
ASH	ASH
11/22/93	12/03/93
11/30/93	12/08/93
MW -33	MW -37
38548-7	38635-4
	386384 - 44

WATER	WATER
ASH	ASH
12/01/93	12/03/93
12/07/93	12/08/93
MW -32	MW -36
38619-1	38635-5
	386384 - 44

WATER	WATER
ASH	ASH
12/01/93	12/03/93
12/07/93	12/08/93
MW -32	MW -36
38619-4	38635-4
	386384 - 44

WATER	WATER
ASH	ASH
12/01/93	12/03/93
12/07/93	12/08/93
MW -32	MW -36
38619-4	38635-4
	386384 - 44

WATER	WATER
ASH	ASH
12/01/93	12/03/93
12/07/93	12/08/93
MW -32	MW -36
38619-1	38635-5
	386384 - 44

WATER	WATER
ASH	ASH
12/01/93	12/03/93
12/07/93	12/08/93
MW -32	MW -36
38619-7	38635-5
	386384 - 44

COMPOUND	UNITS	LOCATION	DATE SAMPLED	ES ID	LAB ID
CHLOROMETHANE	ug/L				
BROMOMETHANE	ug/L				
VINYL CHLORIDE	ug/L				
CHLOROETHANE	ug/L				
METHYLENE CHLORIDE	ug/L				
ACETONE	ug/L				
CARBON DISULFIDE	ug/L				
1,1-DICHLOROETHENE	ug/L				
1,1,1-TRICHLOROETHANE	ug/L				
CARBON TETRACHLORIDE	ug/L				
BROMODICHLOROMETHANE	ug/L				
1,2-DICHLOROPROPANE	ug/L				
CHLOROFORM	ug/L				
1,2-DICHLOROETHANE	ug/L				
2-BUTANONE	ug/L				
TRICHLOROETHENE	ug/L				
DIBROMOCHLOROMETHANE	ug/L				
Cis-1,3-DICHLOROPROPENE	ug/L				
1,1,2-TRICHLOROETHANE	ug/L				
BENZENE	ug/L				
TRANS-1,3-DICHLOROPROPENE	ug/L				
BROMOFORM	ug/L				
4-METHYL-2-PENTANONE	ug/L				
2-HEXANONE	ug/L				
TETRACHLOROETHENE	ug/L				
1,1,2,2-TETRACHLOROETHANE	ug/L				
TOLUENE	ug/L				
CHLOROBENZENE	ug/L				
ETHYLBENZENE	ug/L				
STYRENE	ug/L				
XYLENES(TOTAL)	ug/L				

**ASH LANDFILL FOURTH QUARTER 1993 MONITORING
VALIDATED VOLATILE ANALYSIS RESULTS (TC)**

COMPOUND	MATRIX	LOCATION	DATE SAMPLED	ES ID	LAB ID	UNITS	WATER			WATER			WATER		
							ASH	ASH	ASH	ASH	ASH	ASH	ASH	ASH	
CHLOROMETHANE			11/09/93			ug/L	10	10	10	10	10	10	10	10	
BROMOMETHANE			11/09/93			ug/L	10	10	10	10	10	10	10	10	
VINYL CHLORIDE			11/09/93			ug/L	10	10	10	10	10	10	10	10	
CHLOROETHANE			11/17/93			ug/L	10	10	10	10	10	10	10	10	
METHYLENE CHLORIDE			MW-39			ug/L	10	10	10	10	10	10	10	10	
ACETONE			MW-40			ug/L	10	10	10	10	10	10	10	10	
CARBON DISULFIDE			38384-49			ug/L	10	10	10	10	10	10	10	10	
1,1-DICHLOROETHENE			38384-46			ug/L	10	10	10	10	10	10	10	10	
1,1-DICHLOROETHANE						ug/L	10	10	10	10	10	10	10	10	
1,2-DICHLOROETHENE						ug/L	10	10	10	10	10	10	10	10	
CHLOROFORM						ug/L	10	10	10	10	10	10	10	10	
1,2-DICHLOROETHANE						ug/L	10	10	10	10	10	10	10	10	
2-BUTANONE						ug/L	10	10	10	10	10	10	10	10	
1,1,1-TRICHLOROETHANE						ug/L	10	10	10	10	10	10	10	10	
CARBON TETRACHLORIDE						ug/L	10	10	10	10	10	10	10	10	
BROMODICHLOROMETHANE						ug/L	10	10	10	10	10	10	10	10	
1,2-DICHLOROPROPANE						ug/L	10	10	10	10	10	10	10	10	
Cis-1,3-DICHLOROPROPENE						ug/L	10	10	10	10	10	10	10	10	
TRICHLOROETHENE						ug/L	10	10	10	10	10	10	10	10	
DIBROMOCHLOROMETHANE						ug/L	10	10	10	10	10	10	10	10	
1,1,2-TRICHLOROETHANE						ug/L	10	10	10	10	10	10	10	10	
BENZENE						ug/L	10	10	10	10	10	10	10	10	
TRANS-1,3-DICHLOROPROPENE						ug/L	10	10	10	10	10	10	10	10	
BROMOFORM						ug/L	10	10	10	10	10	10	10	10	
4-METHYL-2-PENTANONE						ug/L	10	10	10	10	10	10	10	10	
2-HEXANONE						ug/L	10	10	10	10	10	10	10	10	
TETRACHLOROETHENE						ug/L	10	10	10	10	10	10	10	10	
1,1,2,2-TETRACHLOROETHANE						ug/L	10	10	10	10	10	10	10	10	
TOLUENE						ug/L	10	10	10	10	10	10	10	10	
CHLOROBENZENE						ug/L	10	10	10	10	10	10	10	10	
ETHYLBENZENE						ug/L	10	10	10	10	10	10	10	10	
STYRENE						ug/L	10	10	10	10	10	10	10	10	
XYLENES(TOTAL)						ug/L	10	10	10	10	10	10	10	10	

WATER	WATER	WATER
ASH	ASH	ASH
12/01/93	11/09/93	11/10/93
12/07/93	11/16/93	11/16/93
TB-121	TB-119	TB-119
38619-2	38384-48	(trip blank)

ASH LANDFILL FOURTH QUARTER 1993 MONITORING
ASH VALIDATED VOLATILE ANALYSIS RESULTS (TCL)

COMPOUND	MATRIX	LOCATION	DATE SAMPLED	DATE ANALYZED	ES ID	LAB ID	WATER ASH							
							UNITS	12/03/93	12/06/93	12/13/93	11/10/93	11/18/93	11/20/93	11/21/93
CHLOROMETHANE							ug/l	10	10	10	10	10	10	10
BROMOMETHANE							ug/l	10	10	10	10	10	10	10
VINYL CHLORIDE							ug/l	10	10	10	10	10	10	10
CHLOROETHANE							ug/l	10	10	10	10	10	10	10
METHYLENE CHLORIDE							ug/l	10	10	10	10	10	10	10
ACETONE							ug/l	10	10	10	10	10	10	10
CARBON DISULFIDE							ug/l	10	10	10	10	10	10	10
1,1-DICHLOROETHENE							ug/l	10	10	10	10	10	10	10
1,1,1-DICHLOROETHANE							ug/l	10	10	10	10	10	10	10
1,2-DICHLOROETHENE							ug/l	10	10	10	10	10	10	10
CHLOROFORM							ug/l	10	10	10	10	10	10	10
1,2-DICHLOROETHANE							ug/l	10	10	10	10	10	10	10
2-BUTANONE							ug/l	10	10	10	10	10	10	10
2,3														
1,1,1-TRICHLOROETHANE							ug/l	10	10	10	10	10	10	10
CARBON TETRACHLORIDE							ug/l	10	10	10	10	10	10	10
BROMODICHLOROMETHANE							ug/l	10	10	10	10	10	10	10
1,2-DICHLOROPROPANE							ug/l	10	10	10	10	10	10	10
Cis-1,3-DICHLOROPROPENE							ug/l	10	10	10	10	10	10	10
TRICHLOROETHENE							ug/l	10	10	10	10	10	10	10
1,1,2-TRICHLOROETHANE							ug/l	10	10	10	10	10	10	10
BENZENE							ug/l	10	10	10	10	10	10	10
TRANS-1,3-DICHLOROPROPENE							ug/l	10	10	10	10	10	10	10
BROMOFORM							ug/l	10	10	10	10	10	10	10
4-METHYL-2-PENTANONE							ug/l	10	10	10	10	10	10	10
2-HEXANONE							ug/l	10	10	10	10	10	10	10
TETRACHLOROETHENE							ug/l	10	10	10	10	10	10	10
1,1,2,2-TETRACHLOROETHANE							ug/l	10	10	10	10	10	10	10
TOLUENE							ug/l	10	10	10	10	10	10	10
CHLOROBENZENE							ug/l	10	10	10	10	10	10	10
ETHYLBENZENE							ug/l	10	10	10	10	10	10	10
STYRENE							ug/l	10	10	10	10	10	10	10
XYLENES(TOTAL)							ug/l	10	10	10	10	10	10	10
0-7														

0-7

**ASH LANDFILL FOURTH QUARTER 1993 MONITORING
VALIDATED VOLATILE ANALYSIS RESULTS (TC)**

COMPOUND	MATRIX	LOCATION	DATE SAMPLED	DATE ANALYZED	ES ID	LAB ID	UNITS	WATER	WATER	WATER	WATER	WATER
								ASH	ASH	ASH	ASH	ASH
CHLROMETHANE	AL4QMVOG.WK3		11/22/93	12/01/93			ug/L	10	10	10	10	10
BROMOMETHANE			11/30/93	12/07/93			ug/L	10	10	10	10	10
VINYL CHLORIDE			TB-1122	PT-18R			ug/L	10	10	10	10	10
CHLROETHANE			38548-12	38619-5			ug/L	10	10	10	10	10
METHYLENE CHLORIDE			(trip blank)	(trip blank)			ug/L	10	10	10	10	10
ACETONE							ug/L	10	10	10	10	10
CARBON DISULFIDE							ug/L	10	10	10	10	10
1,1-DICHLOROETHENE							ug/L	10	10	10	10	10
1,1-DICHLOROETHANE							ug/L	10	10	10	10	10
1,2-DICHLOROETHENE							ug/L	10	10	10	10	10
CHLOROFORM							ug/L	10	10	10	10	10
1,2-DICHLOROETHANE							ug/L	10	10	10	10	10
2-BUTANONE							ug/L	10	10	10	10	10
1,1,1-TRICHLOROETHANE							ug/L	10	10	10	10	10
CARBON TETRACHLORIDE							ug/L	10	10	10	10	10
BROMODICHLOROMETHANE							ug/L	10	10	10	10	10
1,2-DICHLOROPROPANE							ug/L	10	10	10	10	10
Cis-1,3-DICHLOROPROPENE							ug/L	10	10	10	10	10
TRICHLOROETHENE							ug/L	10	10	10	10	10
DIBROMOCHLOROMETHANE							ug/L	10	10	10	10	10
1,1,2-TRICHLOROETHANE							ug/L	10	10	10	10	10
BENZENE							ug/L	10	10	10	10	10
TRANS-1,3-DICHLOROPROPENE							ug/L	10	10	10	10	10
BROMOFORM							ug/L	10	10	10	10	10
4-METHYL-2-PENTANONE							ug/L	10	10	10	10	10
2-HEXANONE							ug/L	10	10	10	10	10
TETRACHLOROETHENE							ug/L	10	10	10	10	10
1,1,2,2-TETRACHLOROETHANE							ug/L	10	10	10	10	10
TOLUENE							ug/L	10	10	10	10	10
CHLROBENZENE							ug/L	10	10	10	10	10
ETHYLBENZENE							ug/L	10	10	10	10	10
STYRENE							ug/L	10	10	10	10	10
XYLENES(TOTAL)							ug/L	10	10	10	10	10

**ASH LANDFILL FOURTH QUARTER 1993 MONITORING
VALIDATED VOLATILE ANALYSIS RESULTS (624.2)**

CAS No.	COMPOUND	VOLATILE ORGANIC COMPOUNDS \$			WATER ASH DATE SAMPLED DATE ANALYZED ES ID LAB ID UNITS	WATER ASH DATE SAMPLED DATE ANALYZED ES ID FH-D FH-S BRN-S LAB ID 204589 (tip blank)	WATER ASH DATE SAMPLED DATE ANALYZED ES ID FH-D FH-S BRN-S LAB ID 204587 (tip blank)
		WATER	ASH	WATER			
74-87-3	Chloromethane	ug/L	1 u	1 u	1 u	1 u	1 u
630-20-6	1,1,1,2-Tetrachloroethane	ug/L	1 u	1 u	1 u	1 u	1 u
74-83-9	Bromomethane	ug/L	1 u	1 u	1 u	1 u	1 u
78-34-5	1,1,2,2-Tetrachloroethane	ug/L	1 u	1 u	1 u	1 u	1 u
78-71-6	Dichlorodifluoromethane	ug/L	1 u	1 u	1 u	1 u	1 u
98-18-4	1,2,3-Trichloropropane	ug/L	1 u	1 u	1 u	1 u	1 u
78-01-4	Vinyl chloride	ug/L	1 u	1 u	1 u	1 u	1 u
127-18-4	Tetrachloroethene	ug/L	1 u	1 u	1 u	1 u	1 u
78-00-3	Chloroethane	ug/L	1 u	1 u	1 u	1 u	1 u
98-12-6	1,2-Dibromo-3-chloropropane	ug/L	1 u	1 u	1 u	1 u	1 u
76-09-2	Methylene chloride	ug/L	1 u	1 u	1 u	1 u	1 u
87-68-3	Heptachlorobutadiene	ug/L	1 u	1 u	1 u	1 u	1 u
78-69-4	Trichlorofluoromethane	ug/L	1 u	1 u	1 u	1 u	1 u
71-43-2	Benzene	ug/L	1 u	1 u	1 u	1 u	1 u
75-25-4	1,1-Dichloroethene	ug/L	1 u	1 u	1 u	1 u	1 u
108-98-3	Toluene	ug/L	1 u	1 u	1 u	1 u	1 u
74-97-5	Bromochromothane	ug/L	1 u	1 u	1 u	1 u	1 u
108-90-7	Chlorobenzene	ug/L	1 u	1 u	1 u	1 u	1 u
75-34-3	1,1-Dichloroethane	ug/L	1 u	1 u	1 u	1 u	1 u
100-41-4	Ethyldienebenzene	ug/L	1 u	1 u	1 u	1 u	1 u
158-58-4	1,2-Dichloroethene (cis)	ug/L	1 u	1 u	1 u	1 u	1 u
108-98-1	Bromobenzene	ug/L	1 u	1 u	1 u	1 u	1 u
158-80-6	1,2-Dichloroethene (trans)	ug/L	1 u	1 u	1 u	1 u	1 u
98-82-8	Isopropylbenzene	ug/L	1 u	1 u	1 u	1 u	1 u
67-68-3	Chlordform	ug/L	1 u	1 u	1 u	1 u	1 u
1330-20-7	Xylene (total)	ug/L	1 u	1 u	1 u	1 u	1 u
74-95-3	Dibromomethane	ug/L	1 u	1 u	1 u	1 u	1 u
100-42-6	Styrene	ug/L	1 u	1 u	1 u	1 u	1 u
107-06-2	1,2-Dichloroethane	ug/L	1 u	1 u	1 u	1 u	1 u
103-65-1	n-Propylbenzene	ug/L	1 u	1 u	1 u	1 u	1 u
580-20-7	2,2-Dichloropropane	ug/L	1 u	1 u	1 u	1 u	1 u
98-08-6	tert-Butylbenzene	ug/L	1 u	1 u	1 u	1 u	1 u
71-65-6	1,1,1-Trichloroethane	ug/L	1 u	1 u	1 u	1 u	1 u
95-49-5	2-Chlorotoluene	ug/L	1 u	1 u	1 u	1 u	1 u
58-23-5	Carbon Tetrachloride	ug/L	1 u	1 u	1 u	1 u	1 u
108-43-4	4-Chlorotoluene	ug/L	1 u	1 u	1 u	1 u	1 u
75-27-4	Bromodichloromethane	ug/L	1 u	1 u	1 u	1 u	1 u
138-98-8	sec-Butylbenzene	ug/L	1 u	1 u	1 u	1 u	1 u
78-07-5	1,2-Dichloropropane	ug/L	1 u	1 u	1 u	1 u	1 u
641-73-1	1,3-Dichlorobenzene	ug/L	1 u	1 u	1 u	1 u	1 u
663-58-6	1,1-Dichloroethane	ug/L	1 u	1 u	1 u	1 u	1 u
98-00-1	1,2,5-trichlorobenzene	ug/L	1 u	1 u	1 u	1 u	1 u
10081-01-5	cis-1,3-Dichloropropane	ug/L	1 u	1 u	1 u	1 u	1 u
10081-02-6	trans-1,3-Dichloropropane	ug/L	1 u	1 u	1 u	1 u	1 u
98-87-6	p-isopropylbenene	ug/L	1 u	1 u	1 u	1 u	1 u
79-01-6	Trichloroethene	ug/L	1 u	1 u	1 u	1 u	1 u
108-67-6	1,3,5-Trimethylbenzene	ug/L	1 u	1 u	1 u	1 u	1 u
124-48-1	Dibromochloromethane	ug/L	1 u	1 u	1 u	1 u	1 u
104-51-8	n-Buylbenzene	ug/L	1 u	1 u	1 u	1 u	1 u
79-00-5	1,1,2-Trichloroethane	ug/L	1 u	1 u	1 u	1 u	1 u
76-25-2	Bromodiform	ug/L	1 u	1 u	1 u	1 u	1 u
95-03-6	Naphthalene	ug/L	1 u	1 u	1 u	1 u	1 u
91-20-3	Acetone	ug/L	6 u	6 u	6 u	6 u	6 u
67-64-1	2-Butanone	ug/L	6 u	6 u	6 u	6 u	6 u
78-93-3	4-Methyl-2-Pentanone	ug/L	6 u	6 u	6 u	6 u	6 u
108-10-1	2-Hexanone	ug/L	6 u	6 u	6 u	6 u	6 u
591-78-6							

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:	Units	Gelson Aug 1987	Gelson Oct 1987	Gelson Mar 1989	Gelson Sept 1989	Galson Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NET Dec 1990
			Aug 1987	Oct 1987	Mar 1989	Sept 1989	Jan 1990	Mar 1990	June 1990	Sept 1990	Dec 1990
VOLATILE ORGANICS											
methane	ug/L	<5	<5	10U	50U	<1.0	<5.0	<5.0	51.0	<10	<10
form	ug/L	<5	<5	5U	50U	<1.0	<5.0	<5.0	<1.0	<10	<10
chloride	ug/L	<5	<5	10U	17	7	<2.0	<2.0	140	<10	<10
ethane	ug/L	<5	<5	10U	50U	<1.0	<5.0	<5.0	<1.0	<10	<10
ene Chloride	ug/L	<5	<5	5U	25U	<1.0	<5.0	<5.0	<1.0	<10	<10
Trichloroethane	ug/L	<5	<5	5U	25U	<1.0	<5.0	<5.0	<1.0	<10	<10
chloroethane	ug/L	<5	<5	5U	25U	<1.0	<5.0	<5.0	<1.0	<10	<10
1,1-dichloroethene	ug/L	<5	<5	5U	25U	1.5	<5.0	<5.0	<1.0	<10	<10
vinyl chloride	ug/L	1700	94	68	950	129	100	790	3100	870	<10
chloroethene	ug/L	<5	<5	5U	25U	<1.0	<5.0	<5.0	<1.0	<10	<10
1,1-difluoroethane	ug/L	<5	<5	5U	25U	<1.0	<5.0	<5.0	<1.0	<10	<10
1,1,2-Dichloroethene	ug/L	<5	95.0	5U	25U	<1.0	<5.0	<5.0	<1.0	<10	<10
1,2-Dichloroethene	ug/L	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethene (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:	Units	NET	NET	NET	GTC	ES	ES		
			June 1991	Sept 1991	Dec 1991	Mar 1992	Sept 1992	Dec 1992	Jan 1993	April 1993
VOLATILE ORGANICS										
methane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	5J	20J	10J	
form	ug/L	<10	<1.0	<1.0	<1.0	<1.0	5J	20J	10J	
chloride	ug/L	35	160	1.5	<1.0	14	5J	20J	9	
ethane	ug/L	30.0	<1.0	<1.0	<1.0	<1.0	5J	20J	10J	
ene Chloride	ug/L	<10	<1.0	<1.0	<1.0	<1.0	5J	20J	10J	
Trichloroethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	5J	20J	10J	
Chloroethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	5J	20J	10J	
Chloroethene	ug/L	<10	7.2	<1.0	<1.0	<1.0	5J	20J	10J	
croethene	ug/L	2100	1350	170	119	323	1800	260	45	
Chloroethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	5J	20J	10J	
rafluoromethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	5J	—	—	
1,2-Dichloroethene	ug/L	51.0	63.2	2.7	<1.0	5.8	54	—	—	
2-Dichloroethene	ug/L	—	—	—	—	—	2800	—	—	
Chloroethene (total)	ug/L	—	—	—	—	—	320	36	36	

Notes:

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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			Galson			Galson			NET			NET		
		Aug 1987	OCT 1987	Mar 1989	Sept 1989	Jan 1990	Mar 1990	June 1990	Sept 1990	Dec 1990	NET	NET	NET	NET	NET	NET
VOLATILE ORGANICS																
	Units															
Methane	ug/L	-	-	10U	<20	<1.0	<5.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Formic acid	ug/L	-	-	10U	<20	<1.0	<5.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloride	ug/L	-	-	10U	<20	<1.0	<2.0	<1.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethane	ug/L	-	-	5U	<20	<1.0	<5.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acne Chloride	ug/L	-	-	5U	<10	<1.0	<5.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethane	ug/L	-	-	5U	<10	<1.0	<5.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	ug/L	-	-	5U	<10	<1.0	<5.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethene	ug/L	-	-	5U	<10	<1.0	<5.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethene	ug/L	-	-	59	240	170	90	400	340	92	-	-	-	-	-	-
Chloroethene	ug/L	-	-	5U	<10	<1.0	<5.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Perfluoromethane	ug/L	-	-	5U	<10	<1.0	<5.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Dichloroethene	ug/L	-	-	5U	<10	<1.0	<5.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethene (total)	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
											46	-	-	-	-	-

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:	Units	June 1991	NET	NET	NET	NET	NET	GTC	ES	ES
			Sept 1991	Dec 1991	Mar 1992	June 1992	Sept 1992	Dec 1992	Jan 1993	April 1993	July 1993
VOLATILE ORGANICS											
methane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5J	10J	10J
form	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5J	10J	10J
chloride	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5J	10J	10J
ethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5J	10J	10J
pane Chloride	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5J	10J	10J
Trichloroethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5J	10J	10J
chloroethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5J	10J	10J
chloroethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5J	10J	10J
ethylene	ug/L	460	529	75.1	100	72.4	-	-	160	140	27
chloroethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5J	10J	10J
trans-1,2-Dichloroethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5J	-	-
1,2-Dichloroethene	ug/L	-	-	-	-	-	-	-	35	-	-
chloroethene (total)	ug/L	-	-	-	-	-	-	-	-	27	3J

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-18
ASH LANDFILL
SENECA ARMY DEPOT
ROMULUS, NEW YORK

Parameter	Source: Date:	Galson			Galson			Galson			Galson		
		Aug 1987	OCT 1987	Mar 1989	Mar 1989	Sept 1989	Jan 1990	NET	NET	NET	NET	NET	NET
VOLATILE ORGANICS	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Formaldehyde		-	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<10	-
Chloride		-	-	-	-	-	-	86	230	<5.0	610	700	-
methane		-	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<10	-
ethylene Chloride		-	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<10	-
Trichloroethane		-	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<10	-
Dichloroethane		-	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<10	-
Dichloroethene		-	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<10	-
chloroethene		-	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<10	-
1,1-dichloroethene		-	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<10	-
1,1,1-trifluoromethane		-	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<10	-
1,1,2,2-tetrachloroethene		-	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<10	-
1,1,2,2-tetrachloroethene (total)		-	-	-	-	-	-	-	-	-	-	-	-

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-18
ASH LANDFILL
SENECA ARMY DEPOT
ROMULUS, NEW YORK

Parameter	Source Date:	Units	June 1991	NET	NET	NET	NET	GTC	ES	ES	ES
			Sept 1991	Dec 1991	Mar 1992	June 1992	Sept 1992	Dec 1992	Jan 1993	April 1993	July 1993
VOLATILE ORGANICS											
methane	ug/L	<1.0	<1.0	<1.0	<100	<1.0	<100	-	5U	1000U	1000U
form	ug/L	490	457	157	11.7	175	-	270	200	300J	83
chloride	ug/L	<10	<1.0	<1.0	<100	<1.0	-	10	1000U	1000U	83
ethane	ug/L	<10	<1.0	<1.0	<100	<1.0	-	5U	1000U	1000U	83
ene Chloride	ug/L	<10	<1.0	<1.0	<100	<1.0	-	5U	1000U	1000U	83
Trichloroethane	ug/L	<10	<1.0	<1.0	<100	<1.0	-	5U	1000U	1000U	83
chloroethane	ug/L	<10	<1.0	<1.0	<100	<1.0	-	5U	1000U	1000U	83
chloroethene	ug/L	<10	<1.0	<1.0	<100	<1.0	-	5U	1000U	1000U	83
oethene	ug/L	12000	10000	3710	9840	7920	-	14000	10000	16000	130
chloroethene	ug/L	<10	<1.0	<1.0	<100	<1.0	-	5U	1000U	1000U	83
rofluoromethane	ug/L	<10	<1.0	<1.0	<100	<1.0	-	5U	-	-	-
1,1,2-Dichloroethene	ug/L	<10	<1.0	3.0	<1.0	<100	-	5U	-	-	-
1,2-Dichloroethene	ug/L	-	-	-	-	-	-	700	-	-	-
chloroethene (total)	ug/L	-	-	-	-	-	-	-	440	450	5

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-20
ASH LANDFILL
SENECA ARMY DEPOT
ROMULUS, NEW YORK

Parameter	Source/ Date:	Galson			Galson			Galson			NET			NET		
		Aug 1987	OCT 1987	Mar 1989	Sept 1989	Jan 1990	Mar 1990	June 1990	Sept 1990	Mar 1990	June 1990	Sept 1990	Dec 1990	NET	NET	NET
VOLATILE ORGANICS																
methane	ug/L	-	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
form	ug/L	-	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
chloride	ug/L	-	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ethane	ug/L	-	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ene Chloride	ug/L	-	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethane	ug/L	-	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	ug/L	-	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethene	ug/L	-	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
acetylene	ug/L	-	-	-	-	-	-	23	26	46	52	35	35	-	-	-
chloroethene	ug/L	-	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trifluoromethane	ug/L	-	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Dichloroethene	ug/L	-	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
chloroethene (total)	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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-20
ASH LANDFILL
SENECA ARMY DEPOT
ROMULUS, NEW YORK

Parameter	Source: Date:	NET			NET			NET			GTC			ES		
		June 1991	Sept 1991	Dec 1991	Mar 1992	June 1992	Sept 1992	Dec 1992	Jan 1993	April 1993	July					
VOLATILE ORGANICS																
methane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	10	10	10	10
formic acid	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	10	10	10	10
Chloride	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	10	10	10	10
ethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	10	10	10	10
ethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	10	10	10	10
ethane Chloride	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	10	10	10	10
- Trichloroethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	10	10	10	10
Dichloroethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	10	10	10	10
Dichloroethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	10	10	10	10
chloroethene	ug/L	36	30	34	21	18	-	-	-	-	-	24	23	6	-	-
chloroethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	10	10	-	-
chlorofluoromethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	10	-	-	-
1,2-Dichloroethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	10	-	-	-
,2-Dichloroethene (total)	ug/L	-	-	-	-	-	-	-	-	-	-	26	-	-	-	-
												26	-	-	-	-
												7	-	-	-	-

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-21

ASH LANDFILL
SENECA ARMY DEPOT
ROMULUS, NEW YORK

Parameter	Source: Date:	Galeon		Galeon		Galeon		Galeon		NET		NET
		Aug 1987	Oct 1987	Mar 1989	Sept 1989	Jan 1990	Mar 1990	June 1990	Sept 1990	Dec 1990	Dec 1990	
VOLATILE ORGANICS												
	ug/L	-	-	-	-	-	-	-	-	-	-	-
methane	ug/L	-	-	-	-	-	-	<1.0	<5.0	<1.0	<10	<10
form	ug/L	-	-	-	-	-	-	<1.0	<5.0	<1.0	<10	<10
Chloride	ug/L	-	-	-	-	-	-	<1.0	<5.0	<1.0	<10	<10
ethane	ug/L	-	-	-	-	-	-	<1.0	<5.0	<1.0	<10	<10
ethylene Chloride	ug/L	-	-	-	-	-	-	<1.0	<5.0	<1.0	<10	<10
1,1-Dichloroethane	ug/L	-	-	-	-	-	-	<1.0	<5.0	<1.0	<10	<10
1,2-Dichloroethane	ug/L	-	-	-	-	-	-	<1.0	<5.0	<1.0	<10	<10
propene	ug/L	-	-	-	-	-	-	<1.0	<5.0	<1.0	<10	<10
cne	ug/L	-	-	-	-	-	-	<1.0	<5.0	<1.0	<10	<10
chloroethene	ug/L	-	-	-	-	-	-	<1.0	<5.0	<1.0	<10	<10
profluoromethane	ug/L	-	-	-	-	-	-	<1.0	<5.0	<1.0	<10	<10
1,1,2,2-Tetrachloroethene	ug/L	-	-	-	-	-	-	<1.0	<5.0	<1.0	<10	<10
1,2-Dichloroethene	ug/L	-	-	-	-	-	-	<1.0	<5.0	<1.0	<10	<10
Dichloroethene (total)	ug/L	-	-	-	-	-	-	-	-	-	-	-

Notes:

Galeon = Galeon 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-21
ASH LANDFILL
SENECA ARMY DEPOT
ROMULUS, NEW YORK

Parameter	Source: Date:	NET June 1991	NET Sept 1991	NET Dec 1991	NET Mar 1992	NET June 1992	NET Sept 1992	GTC Dec 1992	ES Jan 1993	ES April 1993	ES July 1
VOLATILE ORGANICS	Units										
methane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	-
form	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	-
Chloride	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	-
oethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	-
ylene Chloride	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	-
- Trichloroethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	-
Dichloroethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	-
Dichloroethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	-
oroethene	ug/L	2.0	<1.0	2.5	2.4	2.3	-	-	-	-	-
chloroethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	-
orofluoromethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	-
- 1,2-Dichloroethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	-
2-Dichloroethene	ug/L	-	-	-	-	-	-	-	-	-	-
Dichloroethene (total)	ug/L	-	-	-	-	-	-	-	-	-	-

Notes:

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 GTC = General Testing Corporation
 ES = Engineering—Science, Inc. (PACE Laboratory)
 - = No Data

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

Parameter	Source: Date:	Galson			Galson			Galson			NET		
		Aug 1987	OCT 1987	Mar 1989	Sept 1989	Jan 1990	Mar 1990	June 1990	Sept 1990	Dec 1990	NET	NET	NET
VOLATILE ORGANICS													
methane	ug/L	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<10	<10	<10
ethane	ug/L	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<10	<10	<10
propane	ug/L	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<10	<10	<10
butane	ug/L	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<10	<10	<10
pentane	ug/L	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<10	<10	<10
hexane	ug/L	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<10	<10	<10
heptane	ug/L	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<10	<10	<10
octane	ug/L	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<10	<10	<10
nonane	ug/L	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<10	<10	<10
decane	ug/L	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<10	<10	<10
ethene	ug/L	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<10	<10	<10
propene	ug/L	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<10	<10	<10
butene	ug/L	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<10	<10	<10
pentene	ug/L	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<10	<10	<10
hexene	ug/L	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<10	<10	<10
heptene	ug/L	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<10	<10	<10
octene	ug/L	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<10	<10	<10
nonene	ug/L	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<10	<10	<10
decene	ug/L	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<10	<10	<10
ethene Chloride	ug/L	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<10	<10	<10
– Trichloroethane	ug/L	-	-	-	-	-	1.0	<5.0	<5.0	<1.0	<10	<10	<10
Dichloroethane	ug/L	-	-	-	-	-	7.0	6.0	10.0	8.0	7.0	7.0	7.0
Dichloroethene	ug/L	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<10	<10	<10
chloroethene	ug/L	-	-	-	-	-	87	100	200	87	93	93	93
chloroethane	ug/L	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<10	<10	<10
chloroethene	ug/L	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<10	<10	<10
chloroethane	ug/L	-	-	-	-	-	4.0	<5.0	<5.0	<1.0	4.0	4.0	4.0
1,2-Dichloroethene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethene (total)	ug/L	-	-	-	-	-	-	-	-	-	-	-	-

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-22
ASH LANDFILL
SENECA ARMY DEPOT
ROMULUS, NEW YORK

Parameter	Source: Date:	NET		NET		NET		NET		GTC		ES	
		June 1991	Sept 1991	Dec 1991	Mar 1992	June 1992	Sept 1992	Dec 1992	Jan 1993	April 1993	July		
VOLATILE ORGANICS													
methane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5U	10U	10U	10U
chloroform	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5U	10U	10U	10U
Chloride	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5U	10U	10U	10U
ethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5U	10U	10U	10U
ethylene Chloride	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5U	10U	10U	10U
- Trichloroethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5U	10U	10U	10U
Dichloroethane	ug/L	8.0	<1.0	3.0	4.4	<1.0	4.4	<1.0	4.4	5.2	5.0	3J	3J
Dichloroethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5U	10U	10U	10U
chloroethene	ug/L	100	74.9	69.3	73.9	98.9	—	89	89	89	89	79	79
chloroethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5U	10U	10U	10U
perfluoromethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5U	—	—	—
1,1,2-Dichloroethene	ug/L	3.0	<1.0	1.4	1.7	2.4	—	5U	—	150	—	—	—
1,2-Dichloroethene	ug/L	—	—	—	—	—	—	—	—	140	—	—	—
Dichloroethene (total)	ug/L	—	—	—	—	—	—	—	—	—	—	—	—

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-23
ASH LANDFILL
SENECA ARMY DEPOT
ROMULUS, NEW YORK

Parameter	Source: Date:	Galson		Galson		Galson		Galson		NET		NET	
		Aug 1987	OCT 1987	Mar 1989	Sept 1989	Jan 1990	Mar 1990	June 1990	Sept 1990	Mar 1990	NET	NET	Dec 1990
VOLATILE ORGANICS													
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	<1.0	<5.0	<1.0
methane		-	-	-	-	-	-	-	-	-	<1.0	<5.0	<1.0
form		-	-	-	-	-	-	-	-	-	<1.0	<5.0	<1.0
chloride		-	-	-	-	-	-	-	-	-	<1.0	<5.0	<1.0
ethane		-	-	-	-	-	-	-	-	-	<1.0	<5.0	<1.0
ene Chloride		-	-	-	-	-	-	-	-	-	<1.0	<5.0	<1.0
Trichloroethane		-	-	-	-	-	-	-	-	-	<1.0	<5.0	<1.0
chloroethane		-	-	-	-	-	-	-	-	-	<1.0	<5.0	<1.0
chloroethene		-	-	-	-	-	-	-	-	-	<1.0	<5.0	<1.0
chloroethene		-	-	-	-	-	-	-	-	-	<1.0	<5.0	<1.0
chloroethene		-	-	-	-	-	-	-	-	-	<1.0	<5.0	<1.0
chloroethene		-	-	-	-	-	-	-	-	-	<1.0	<5.0	<1.0
chloroethene		-	-	-	-	-	-	-	-	-	<1.0	<5.0	<1.0
1,1,2-Dichloroethene		-	-	-	-	-	-	-	-	-	<1.0	<5.0	<1.0
1,2-Dichloroethene		-	-	-	-	-	-	-	-	-	<1.0	<5.0	<1.0
chloroethene (total)		-	-	-	-	-	-	-	-	-	-	-	-

Notes:

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GTC = General Testing Corporation

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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:	NET June 1991	NET Sept 1991	NET Dec 1991	NET Mar 1992	NET June 1992	NET Sept 1992	GTC Dec 1992	ES Jan 1993	ES April 1993	ES July 1
VOLATILE ORGANICS											
methane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	5U	10U	10U
form	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	5U	10U	10U
Chloride	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	5U	10U	10U
cethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	5U	10U	10U
ene Chloride	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	5U	10U	10U
- Trichlorethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	5U	10U	10U
Dichlorethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	5U	10U	10U
Dichloroethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	5U	10U	10U
oroethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	5U	10U	10U
chloroethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	5U	10U	10U
rofluoromethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	5U	-	-
- 1,2-Dichloroethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	5U	-	-
,2-Dichloroethene	ug/L	-	-	-	-	-	-	-	1.0	-	-
Dichloroethene (total)	ug/L	-	-	-	-	-	-	-	-	1.0	10U

Notes:

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GTC = General Testing Corporation

ES = Engineering-Science, Inc. (PACE Laboratory)

- = No Data

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

Parameter	Source: Date:	Galson			Galeon			Galson			NET		
		Aug 1987	OCT 1987	Mar 1989	Jan 1989	Mar 1989	Sept 1989	NET	June 1990	NET	Sept 1990	NET	Dec 1990
VOLATILE ORGANICS													
methane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<5.0	<1.0	<1.0	<10
ethane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<5.0	<1.0	<1.0	<10
propane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<5.0	<1.0	<1.0	<10
chloroethane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<5.0	<1.0	<1.0	<10
1,1-dichloroethane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<5.0	<1.0	<1.0	<10
1,2-dichloroethene	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<5.0	<1.0	<1.0	<10
ethylene	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<5.0	<1.0	<1.0	<10
chloroethene	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<5.0	<1.0	<1.0	<10
perfluoromethane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<5.0	<1.0	<1.0	<10
1,1,2-trifluoroethane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<5.0	<1.0	<1.0	<10
1,1,2,2-tetrafluoroethane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<5.0	<1.0	<1.0	<10
1,1,2,2-tetrachloroethene (total)	ug/L	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
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SUMMARY OF HISTORICAL DATA FOR MONITORING WELL PT-24

ASH LANDFILL
SENECA ARMY DEPOT
ROMULUS, NEW YORK

Parameter	Source: Date:	NET		NET		NET		GTC		ES	
		June 1991	Sept 1991	Dec 1991	Mar 1992	June 1992	Sept 1992	Dec 1992	Jan 1993	April 1993	July 1
VOLATILE ORGANICS											
methane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	50	100	100
form	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	50	100	100
Chloride	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	50	100	100
ethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	50	100	100
ethylene Chloride	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	50	100	100
- Trichloroethane	ug/L	1.0	<1.0	126	<1.0	<1.0	<1.0	<1.0	50	100	100
Dichloroethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	50	100	100
Dichloroethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	50	100	100
oroethene	ug/L	8.0	8.6	2.8	4.4	6.2	—	6.7	7.0	50	50
chloroethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	50	100	100
chlorofluoromethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	50	—	—
-1,2-Dichloroethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	50	—	—
,2-Dichloroethene (total)	ug/L	—	—	—	—	—	—	110	—	100	81

Notes:

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GTC = General Testing Corporation

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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			Galson			Galson			Galson		
		Aug 1987	OCT 1987	Mar 1989	Sept 1989	Jan 1990	NET	NET	NET	NET	NET	NET	NET
VOLATILE ORGANICS	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Formaldehyde		-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<10	<10
Chloroform		-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<10	<10
Chloride		-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<10	<10
Dimethylchloroethane		-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<10	<10
1,1-Dichloroethane		-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<10	<10
1,1,1-Trichloroethane		-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<10	<10
1,1,2-Trichloroethene		-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<10	<10
1,1-Dichloroethene		-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<10	<10
1,1-Dichloroethane		-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<10	<10
1,1-Dichloroethene		-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<10	<10
1,1-Dichloroethane		-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<10	<10
1,1-Dichloroethene		-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<10	<10
1,1-Dichloroethane		-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<10	<10
1,1-Dichloroethene (total)		ug/L	ug/L	ug/L	ug/L	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			NET			NET			GTC			ES		
		June 1991	Sept 1991	Dec 1991	Mar 1992	June 1992	Sept 1992	Dec 1992	Jan 1993	April 1993	July 1993	Jan 1992	Dec 1992	Jan 1993	April 1993	July 1993
VOLATILE ORGANICS																
methane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	10	10	10	10
formic acid	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	10	10	10	10
Chloride	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	10	10	10	10
ethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	10	10	10	10
ethylene Chloride	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	10	10	10	10
1,1-Dichloroethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	10	10	10	10
Dichloroethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	10	10	10	10
Dichloroethene	ug/L	39.0	21.2	30.2	28.4	25.8	-	-	-	-	-	30	30	30	30	30
chloroethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	10	10	10	10
chloroethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	10	10	10	10
profluoromethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-
1,1,2-Trichloroethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	10	10	10	10
1,2-Dichloroethene	ug/L	-	-	-	-	-	-	-	-	-	-	51	51	51	51	51
Dichloroethene (total)	ug/L	-	-	-	-	-	-	-	-	-	-	47	47	47	47	47

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:	Galson			Galson			Galson			Galson		
		Aug 1987	OCT 1987	Mar 1989	Mar 1989	Sept 1989	Jan 1990	NET	NET	NET	NET	NET	NET
VOLATILE ORGANICS	Units												
methane	ug/L	-	-	-	-	-	-	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0
form	ug/L	-	-	-	-	-	-	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloride	ug/L	-	-	-	-	-	-	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0
cethane	ug/L	-	-	-	-	-	-	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0
ylene Chloride	ug/L	-	-	-	-	-	-	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0
- Trichloroethane	ug/L	-	-	-	-	-	-	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dichloroethane	ug/L	-	-	-	-	-	-	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dichloroethene	ug/L	-	-	-	-	-	-	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0
oethene	ug/L	-	-	-	-	-	-	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dichloroethane	ug/L	-	-	-	-	-	-	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dichloroethene	ug/L	-	-	-	-	-	-	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0
orfluoromethane	ug/L	-	-	-	-	-	-	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0
- 1,2-Dichloroethene	ug/L	-	-	-	-	-	-	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0
,2-Dichloroethene Dichloroethene (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			NET	NET	GTC	ES	
		June 1991	Sept 1991	Dec 1991					July
VOLATILE ORGANICS									
methane	ug/L	<10	-	-	<1.0	<1.0	-	5	10J
form	ug/L	<10	-	-	<1.0	<1.0	-	5	10J
Chloride	ug/L	<10	-	-	<1.0	<1.0	-	5	10J
ethane	ug/L	<10	-	-	<1.0	<1.0	-	5	10J
ethene	ug/L	<10	-	-	<1.0	<1.0	-	5	10J
ethane Chloride	ug/L	<10	-	-	<1.0	<1.0	-	5	10J
- Trichloroethane	ug/L	2.0	-	-	<1.0	<1.0	-	5	10J
Dichloroethane	ug/L	<10	-	-	<1.0	<1.0	-	5	10J
Dichloroethene	ug/L	<10	-	-	<1.0	<1.0	-	5	10J
propane	ug/L	1.0	-	-	1.2	<1.0	-	5	2
Dichloroethane	ug/L	1.0	-	-	<1.0	<1.0	-	5	10J
chloroethene	ug/L	<10	-	-	<1.0	<1.0	-	5	10J
trifluoromethane	ug/L	<10	-	-	<1.0	<1.0	-	-	-
-1,2-Dichloroethene	ug/L	<10	-	-	<1.0	<1.0	-	5	10J
,2-Dichloroethene (total)	ug/L	-	-	-	-	-	-	67	-
Dichloroethene	ug/L	-	-	-	-	-	-	-	-
								70	78

Notes:

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Section 2.0
Indicator Parameters

ASH LANDFILL FOURTH QUARTER 1993 MONITORING
INDICATOR ANALYSIS RESULTS

PARAMETER	MATRIX	WATER			WATER			WATER		
		SITE	ASH	ASH	SITE	ASH	ASH	SITE	ASH	ASH
	DATE SAMPLED	11/19/93	11/20/93	11/23/93	11/0/93	11/2/93	11/2/93	PT-16	PT-17	*
	ES ID	PT-10	PT-11	PT-12	PT-13	PT-15	PT-16	*	*	*
	LAB ID	*	*	*	*	*	*	*	*	*
	UNITS									
Total Organic Carbon	mg/L	6	3	2	1	1	1	1	1	1
pH	units	7.46	7.34	7.06	7.42	7.19	7.16	6.91	6.91	6.91
Chloride	mg/L	57	47	11	8	13	25	36	36	36
Sulfate	mg/L	20	47	170	59	24	45	240	240	240
Specific Conductance	umhos/cm	820	840	960	590	610	710	1400	1400	1400
Nitrate+ Nitrite	mg/L as N	0.05 U	0.39	1.1	0.4	0.05 U	0.28	0.1	0.1	0.1
Total Organic Halides	mg/L	0.02 U	0.05	0.06	0.02 U	0.03	0.02	1.5	1.5	1.5

Notes:
(1) * The Lab ID is different for each parameter

ASH LANDFILL FOURTH QUARTER 1993 MONITORING
INDICATOR ANALYSIS RESULTS

PARAMETER	MATRIX	WATER			WATER			WATER		
		SITE	ASH	ASH	SITE	ASH	ASH	SITE	ASH	ASH
	DATE SAMPL'D	11/19/93	11/23/93	12/05/93	11/23/93	11/10/93	11/23/93	11/21/93	PT-24	PT-24
	ES ID	PT-19	PT-20	PT-21	PT-22	PT-23	PT-23	PT-23	*	*
	LAB ID	*	*	*	*	*	*	*	*	*
	UNITS									
Total Organic Carbon	mg/L	2	2	3	2	1	2	2	2	2
pH	units	7.30	7.07	7.49	7.13	7.38	7.17	7.2	7.2	7.2
Chloride	mg/L	47	27	84	9	15	13	3	3	3
Sulfate	mg/L	64	130	140	180	33	47	3	3	3
Specific Conductance	umhos/cm	830	940	990	1300	630	650	560	560	560
Nitrate+Nitrite	mg/L as N	0.21	0.09	0.41	0.06	0.11	0.33	1	1	1
Total Organic Halides	mg/L	0.02	0.02	0.05	0.17	0.03	0.04	0.03	0.03	0.03

Notes:

(1) * The Lab ID is different for each parameter

ASH LANDFILL FOURTH QUARTER 1993 MONITORING
INDICATOR ANALYSIS RESULTS

PARAMETER	MATRIX	WATER			WATER			WATER		
		SITE	ASH							
	DATE SAMPLD	11/19/93	11/20/93	11/23/93	11/21/93	11/22/93	11/21/93	11/22/93	11/21/93	
	ES ID	PT-10	PT-11	PT-12	PT-13	PT-14	PT-15	PT-16	PT-17	
	LAB ID	*	*	*	*	*	*	*	*	
	UNITS									
Total Organic Carbon	mg/L	6	3	2	1	1	1	1	1	
pH	mg/L	7.46	7.34	7.06	7.42	7.19	7.16	6.9	6.9	
Chloride	mg/L	57	47	1 U	8	13	25	31	31	
Sulfate	mg/L	20	47	170	59	24	45	24	24	
Specific Conductance	umhos/cm	820	840	960	590	610	710	1400	1400	
Nitrate+Nitrite	mg/L as N	0.05 U	0.39	1.1	0.4	0.05 U	0.28	0.	0.	
Total Organic Halides	mg/L	0.02 U	0.05	0.06	0.02 U	0.03	0.02 U	0.02	0.02	

Notes:

(1) * The Lab ID is different for each parameter

ASH LANDFILL FOURTH QUARTER 1993 MONITORING
INDICATOR ANALYSIS RESULTS

PARAMETER	MATRIX	WATER			WATER			WATER		
		SITE	ASH	ASH	SITE	ASH	ASH	SITE	ASH	ASH
	DATE SAMPL'D	12/03/93	11/21/93	12/05/93	11/21/93	12/01/93	11/22/93	ASH	ASH	ASH
	ES ID	FT-26	MW-27	MW-27	MW-27	MW-28	MW-29	*	*	*
	LAB ID	*	*	*	*	*	*	*	*	*
	UNITS									
Total Organic Carbon	mg/L	5	3	4	2	1	2	1	2	1
pH	units	7.51	7.42	7.42	7.20	7.25	7.25	7.27	7.25	7.27
Chloride	mg/L	50	34	35	20	13	28	26	28	26
Sulfate	mg/L	95	72	62	29	61	57	31	57	31
Specific Conductance	umhos/cm	850	600	710	610	750	760	660	750	660
Nitrate + Nitrite	mg/L as N	0.6	0.15	0.05 U	0.3	0.51	0.26	0.55	0.26	0.55
Total Organic Halides	mg/L	0.02 U	0.08	0.05	0.09	0.02 U	0.02 U	0.02	0.02 U	0.02

Notes:
(1) * The Lab ID is different for each parameter

ASH LANDFILL FOURTH QUARTER 1993 MONITORING
INDICATOR ANALYSIS RESULTS

PARAMETER	MATRIX	WATER			WATER			WATER		
		SITE	ASH	ASH	ASH	ASH	ASH	ASH	ASH	ASH
	DATE SAMPLED	12/01/93	12/01/93	11/22/93	12/03/93	12/03/93	11/09/93	MW-36	MW-36	MW-37
	ES ID	MW-32	*	*	*	*	*	*	*	*
	LAB ID									
	UNITS									
Total Organic Carbon	mg/L	3	1	1 U	6	6	2			
pH	units	7.22	7.17	7.29	7.99	7.37	7.63			
Chloride	mg/L	95	42	45	15	27	56			
Sulfate	mg/L	50	41	40	100	30	41			
Specific Conductance	umhos/cm	850	580	720	820	550	780			
Nitrate+Nitrite	mg/L as N	0.55	0.31	0.17	0.05 U	0.62	0.2			
Total Organic Halides	mg/L	0.03	0.02 U							

Notes:
(1) * The Lab ID is different for each parameter

ASH LANDFILL FOURTH QUARTER 1993 MONITORING
INDICATOR ANALYSIS RESULTS

PARAMETER	MATRIX	SITE	WATER		WATER		WATER	
			ASH 11/09/93 MW-39	*	ASH 11/09/93 MW-40	*	ASH 11/09/93 MW-41D	*
Total Organic Carbon	mg/L		2		2		3	
pH	units	7.27	7.43	7.64	7.55	7.23	8.49	7.44
Chloride	mg/L	30	6	11	3	19	14	18
Sulfate	mg/L	42	59	43	22	31	34	110
Specific Conductance	umhos/cm	660	560	550	830	780	880	880
Nitrate+Nitrite	mg/L as N	0.42	0.13	0.05 U	0.08	1.3	0.05 U	13
Total Organic Halides	mg/L	0.02	0.02 U	0.03	0.02 U	0.02	0.02 U	0.02

Notes:
(1) * The Lab ID is different for each parameter

ASH LANDFILL FOURTH QUARTER 1993 MONITORING
INDICATOR ANALYSIS RESULTS

PARAMETER	MATRIX	WATER			WATER		
		SITE	ASH	ASH	SITE	ASH	ASH
	DATE SAMPL'D	12/01/93	12/01/93	11/23/93	11/23/93	11/23/93	11/23/93
	ES ID	PT-18R	MW-90	PT-20R	PT-20R	PT-9	*
	LAB ID	"	*	*	*	*	*
	UNITS	(PT 18 Rinsate)	(Duplicate of PT-18)	(PT-20 Rinsate)	(PT-20 Rinsate)	(Duplicate of PT-20)	(Duplicate of PT-20)
Total Organic Carbon	mg/L	5	5	1 U	1 U	8	8
pH	units	6.92	6.92	6.83	6.83	7.06	7.06
Chloride	mg/L	1 U	1 U	37	13	98	98
Sulfate	mg/L	1	1	260	1	140	140
Specific Conductance	umhos/cm	830	1400	95	95	960	960
Nitrate+Nitrite	mg/L as N	0.05 U	0.13	0.05 U	0.05 U	0.1	0.1
Total Organic Halides	mg/L	0.05	0.42	0.02 U	0.02 U	0.1	0.1

Notes:

(1) * The Lab ID is different for each parameter

Field Identification: PT15

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Nitrate + Nitrite (mg/L as N)	0.40	0.05	38384-001	11/17/93	526	353.2/1
pH (units)	7.42		38384-017	11/11/93	244	150.1/1
Chloride (mg/L)	8	1	38384-025	11/19/93	553	325.1/1
Sulfate (mg/L)	59	1	38384-025	11/18/93	541	300.0/1
Specific Conductance (umhos/cm)	590		38384-025	11/12/93	178	120.1/1
Total Organic Carbon (mg/L)	BDL	1	38384-033	11/17/93	806	415.1/1

Field Identification: MW42D

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Nitrate + Nitrite (mg/L as N)	0.08	0.05	38384-002	11/17/93	526	353.2/1
pH (units)	7.55		38384-018	11/11/93	244	150.1/1
Chloride (mg/L)	3	1	38384-026	11/19/93	553	325.1/1
Sulfate (mg/L)	22	1	38384-026	11/24/93	545	300.0/1
Specific Conductance (umhos/cm)	550		38384-026	11/12/93	178	120.1/1
Total Organic Carbon (mg/L)	3	1	38384-034	11/17/93	806	415.1/1

Field Identification: MW37

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Nitrate + Nitrite (mg/L as N)	0.20	0.05	38384-003	11/17/93	526	353.2/1
pH (units)	7.63		38384-019	11/11/93	244	150.1/1
Chloride (mg/L)	56	1	38384-027	11/19/93	553	325.1/1
Sulfate (mg/L)	41	1	38384-027	11/24/93	545	300.0/1
Specific Conductance (umhos/cm)	780		38384-027	11/12/93	178	120.1/1
Total Organic Carbon (mg/L)	2	1	38384-035	11/17/93	806	415.1/1

Field Identification: AMW41D

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Nitrate + Nitrite (mg/L as N)	BDL	0.05	38384-004	11/17/93	526	353.2/1
pH (units)	7.64		38384-020	11/11/93	244	150.1/1
Chloride (mg/L)	11	1	38384-028	11/19/93	553	325.1/1
Sulfate (mg/L)	43	1	38384-028	11/24/93	545	300.0/1
Specific Conductance (umhos/cm)	680		38384-028	11/12/93	178	120.1/1
Total Organic Carbon (mg/L)	2	1	38384-036	11/17/93	806	415.1/1

500001

Field Identification: AMW39

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Nitrate + Nitrite (mg/L as N)	0.42	0.05	38384-005	11/17/93	526	353.2/1
pH (units)	7.27		38384-022	11/11/93	244	150.1/1
Chloride (mg/L)	30	1	38384-029	11/19/93	553	325.1/1
Sulfate (mg/L)	42	1	38384-029	11/24/93	545	300.0/1
Specific Conductance (umhos/cm)	660		38384-029	11/12/93	178	120.1/1
Total Organic Carbon (mg/L)	2	1	38384-037	11/17/93	806	415.1/1

Field Identification: APT19

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Nitrate + Nitrite (mg/L as N)	0.21	0.05	38384-006	11/17/93	526	353.2/1
pH (units)	7.30		38384-021	11/11/93	244	150.1/1
Chloride (mg/L)	47	1	38384-030	11/19/93	553	325.1/1
Sulfate (mg/L)	64	1	38384-030	11/18/93	541	300.0/1
Specific Conductance (umhos/cm)	830		38384-030	11/12/93	178	120.1/1
Total Organic Carbon (mg/L)	2	1	38384-038	11/17/93	806	415.1/1

Field Identification: MW40

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Nitrate + Nitrite (mg/L as N)	0.13	0.05	38384-007	11/17/93	526	353.2/1
pH (units)	7.43		38384-023	11/11/93	244	150.1/1
Chloride (mg/L)	6	1	38384-031	11/19/93	553	325.1/1
Sulfate (mg/L)	59	1	38384-031	11/18/93	541	300.0/1
Specific Conductance (umhos/cm)	560		38384-031	11/12/93	178	120.1/1
Total Organic Carbon (mg/L)	BDL	1	38384-039	11/17/93	806	415.1/1

Field Identification: PT23

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Nitrate + Nitrite (mg/L as N)	0.11	0.05	38384-008	11/17/93	526	353.2/1
pH (units)	7.38		38384-024	11/11/93	244	150.1/1
Chloride (mg/L)	15	1	38384-032	11/19/93	553	325.1/1
Sulfate (mg/L)	33	1	38384-032	11/18/93	541	300.0/1
Specific Conductance (umhos/cm)	630		38384-032	11/12/93	178	120.1/1
Total Organic Carbon (mg/L)	1	1	38384-040	11/17/93	806	415.1/1

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

500002

Field Identification: PT10

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Nitrate + Nitrite (mg/L as N)	BDL	0.05	38516-001	11/23/93	529	353.2/1
pH (units)	7.46		38516-002	10/20/93	247	150.1/1
Total Organic Carbon (mg/L)	6	1	38516-005	11/29/93	812	415.1/1
Chloride (mg/L)	57	1	38516-006	11/24/93	556	325.1/1
Sulfate (mg/L)	20	1	38516-006	11/24/93	545	300.0/1
Specific Conductance ($\mu\text{hos}/\text{cm}$)	820		38516-006	11/22/93	179	120.1/1

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

500003

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Field Identification: PT11

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Sulfate (mg/L)	47	1	38533-001	11/24/93	545	300.0/1
Total Organic Carbon (mg/L)	3	1	38533-010	11/29/93	812	415.1/1
pH (units)	7.34		38533-022	11/23/93	250	150.1/1
Chloride (mg/L)	47	1	38533-028	11/24/93	556	325.1/1
Sulfate (mg/L)	140	10	38533-028	11/30/93	546	300.0/1
Specific Conductance (umhos/cm)	840		38533-028	11/24/93	180	120.1/1
Nitrate + Nitrite (mg/L as N)	0.39	0.05	38533-034	12/02/93	531	353.2/1

Field Identification: MW27

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	3	1	38533-011	11/29/93	812	415.1/1
pH (units)	7.42		38533-023	11/23/93	250	150.1/1
Chloride (mg/L)	34	1	38533-029	11/24/93	556	325.1/1
Sulfate (mg/L)	72	1	38533-029	11/24/93	545	300.0/1
Specific Conductance (umhos/cm)	600		38533-029	11/24/93	180	120.1/1
Nitrate + Nitrite (mg/L as N)	0.15	0.05	38533-035	12/02/93	531	353.2/1

Field Identification: APT16

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	.1	1	38533-012	11/29/93	812	415.1/1
pH (units)	7.19		38533-024	11/23/93	250	150.1/1
Chloride (mg/L)	13	1	38533-030	11/24/93	556	325.1/1
Sulfate (mg/L)	24	1	38533-030	11/24/93	545	300.0/1
Specific Conductance (umhos/cm)	610		38533-030	11/24/93	180	120.1/1
Nitrate + Nitrite (mg/L as N)	BDL	0.05	38533-036	12/02/93	531	353.2/1

Field Identification: APT24

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	2	1	38533-013	11/29/93	813	415.1/1
pH (units)	7.17		38533-025	11/23/93	250	150.1/1
Chloride (mg/L)	13	1	38533-031	11/24/93	556	325.1/1
Sulfate (mg/L)	47	1	38533-031	11/24/93	545	300.0/1
Specific Conductance (umhos/cm)	650		38533-031	11/24/93	180	120.1/1
Nitrate + Nitrite (mg/L as N)	0.33	0.05	38533-037	12/02/93	531	353.2/1

500004

Field Identification: AMW28

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	2	1	38533-014	11/29/93	812	415.1/1
pH (units)	7.20		38533-026	11/23/93	250	150.1/1
Chloride (mg/L)	20	1	38533-032	11/24/93	556	325.1/1
Sulfate (mg/L)	29	1	38533-032	11/24/93	545	300.0/1
Specific Conductance (umhos/cm)	610		38533-032	11/24/93	180	120.1/1
Nitrate + Nitrite (mg/L as N)	0.30	0.05	38533-038	12/02/93	531	353.2/1

Field Identification: AMW38D

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	1	1	38533-015	11/29/93	812	415.1/1
pH (units)	7.34		38533-027	11/23/93	250	150.1/1
Chloride (mg/L)	10	1	38533-033	11/24/93	556	325.1/1
Sulfate (mg/L)	33	1	38533-033	11/24/93	545	300.0/1
Specific Conductance (umhos/cm)	560		38533-033	11/24/93	180	120.1/1
Nitrate + Nitrite (mg/L as N)	BDL	0.05	38533-039	12/02/93	531	353.2/1

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

500005

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

December 09, 1993
 PACE Project Number: 131117500
 WPPLAB5277

Attn:

Client Reference: N31111524 SEN10

PACE Sample Number:

97 0105425

Date Collected:

11/10/93

Date Received:

11/16/93

38384-9

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>PT15</u>	<u>METHOD</u>	<u>DATE ANALYZED</u>
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INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	ND	SW846 9020	12/03/93
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PACE Sample Number:

97 0105433

Date Collected:

11/10/93

Date Received:

11/16/93

Client Sample ID:

38384-10

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>MW42D</u>	<u>METHOD</u>	<u>DATE ANALYZED</u>
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INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	ND	SW846 9020	12/03/93
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December 09, 1993
 PACE Project Number: 131117500

Client Reference: N31111524 SEN10

PACE Sample Number:	97 0105441
Date Collected:	11/10/93
Date Received:	11/16/93
Client Sample ID:	38384-11
<u>Parameter</u>	<u>Units</u> <u>MDL</u> <u>METHOD</u> <u>DATE ANALYZED</u>

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	ND	SW846 9020	12/03/93
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PACE Sample Number:	97 0105450
Date Collected:	11/09/93
Date Received:	11/16/93
Client Sample ID:	38384-12
<u>Parameter</u>	<u>Units</u> <u>MDL</u> <u>METHOD</u> <u>DATE ANALYZED</u>

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	0.03	SW846 9020	12/03/93
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PACE Sample Number:	97 0105468
Date Collected:	11/09/93
Date Received:	11/16/93
Client Sample ID:	38384-13
<u>Parameter</u>	<u>Units</u> <u>MDL</u> <u>METHOD</u> <u>DATE ANALYZED</u>

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	0.02	SW846 9020	12/03/93
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December 09, 1993
PACE Project Number: 131117500

Client Reference: N31111524 SEN10

PACE Sample Number:	97 0105476			
Date Collected:	11/09/93			
Date Received:	11/16/93			
Client Sample ID:	38384-14			
<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>METHOD</u>	<u>DATE ANALYZED</u>

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	0.02	SW846	9020	12/06/93
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PACE Sample Number:	97 0105484			
Date Collected:	11/10/93			
Date Received:	11/16/93			
Client Sample ID:	38384-15			
<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>METHOD</u>	<u>DATE ANALYZED</u>

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	ND	SW846	9020	12/06/93
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PACE Sample Number:	97 0105492			
Date Collected:	11/10/93			
Date Received:	11/16/93			
Client Sample ID:	38384-16			
<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>METHOD</u>	<u>DATE ANALYZED</u>

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	0.03	SW846	9020	12/06/93
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December 09, 1993
 PACE Project Number: 131117500

Client Reference: N31111524 SEN10

PACE Sample Number:	97 0110496			
Date Collected:	11/19/93			
Date Received:	11/24/93			
Client Sample ID:	PT-10			
Parameter	Units	MDL	METHOD	DATE ANALYZED
		38516-7		

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	ND	SW846 9020	12/06/93
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PACE Sample Number:	97 0110500			
Date Collected:	11/20/93			
Date Received:	11/24/93			
Client Sample ID:	PT-11			
Parameter	Units	MDL	METHOD	DATE ANALYZED
		38533-16		

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	0.05	SW846 9020	12/06/93
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PACE Sample Number:	97 0110518			
Date Collected:	11/22/93			
Date Received:	11/24/93			
Client Sample ID:	MW-27			
Parameter	Units	MDL	METHOD	DATE ANALYZED
		38533-17		

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	0.08	SW846 9020	12/06/93
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December 09, 1993
 PACE Project Number: 131117500

Client Reference: N31111524 SEN10

PACE Sample Number:	97 0110526
Date Collected:	11/21/93
Date Received:	11/24/93
Client Sample ID:	PT-16
Parameter	<u>Units</u> <u>MDL</u> <u>38533-18</u> <u>METHOD</u> <u>DATE ANALYZED</u>

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	0.03	SW846 9020	12/06/93
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PACE Sample Number:	97 0110534
Date Collected:	11/21/93
Date Received:	11/24/93
Client Sample ID:	PT-24
Parameter	<u>Units</u> <u>MDL</u> <u>38533-19</u> <u>METHOD</u> <u>DATE ANALYZED</u>

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	0.04	SW846 9020	12/06/93
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PACE Sample Number:	97 0110542
Date Collected:	11/21/93
Date Received:	11/24/93
Client Sample ID:	MW-28
Parameter	<u>Units</u> <u>MDL</u> <u>38533-20</u> <u>METHOD</u> <u>DATE ANALYZED</u>

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	0.09	SW846 9020	12/07/93
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December 09, 1993
 PACE Project Number: 131117500

Client Reference: N31111524 SEN10

PACE Sample Number:	97 0110550				
Date Collected:	11/21/93				
Date Received:	11/24/93				
Client Sample ID:	MW-38D				
Parameter	Units	MDL	38533-21	METHOD	DATE ANALYZED

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	ND	SW846 9020	12/07/93
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PACE Sample Number:	97 0110763				
Date Collected:	11/21/93				
Date Received:	11/24/93				
Client Sample ID:	PT-24				
Parameter	Units	MDL	MS	METHOD	DATE ANALYZED

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	0.14	SW846 9020	12/07/93
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PACE Sample Number:	97 0110771				
Date Collected:	11/21/93				
Date Received:	11/24/93				
Client Sample ID:	PT-24				
Parameter	Units	MDL	MSD	METHOD	DATE ANALYZED

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	0.04	SW846 9020	12/07/93
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These data have been reviewed and are approved for release.

Frances P. McConahy
 Project Manager

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FOOTNOTES
for pages 1 through 6

December 09, 1993
PACE Project Number: 131117500

Client Reference: N31111524 SEN10

MDL Method Detection Limit
ND Not detected at or above the MDL.

Field Identification: APT20

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	2	1	38548-013	11/29/93	812	415.1/1
pH (units)	7.07		38548-033	11/24/93	251	150.1/1
Chloride (mg/L)	27	1	38548-043	12/02/93	557	325.1/1
Sulfate (mg/L)	130	10	38548-043	12/01/93	548	300.0/1
Specific Conductance (umhos/cm)	940		38548-043	11/29/93	181	120.1/1
Nitrate + Nitrite (mg/L as N)	0.09	0.05	38548-053	12/02/93	531	353.2/1

Field Identification: APT9

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	8	1	38548-014	11/29/93	812	415.1/1
pH (units)	7.06		38548-034	11/24/93	251	150.1/1
Chloride (mg/L)	98	1	38548-044	12/02/93	557	325.1/1
Sulfate (mg/L)	140	10	38548-044	12/01/93	548	300.0/1
Specific Conductance (umhos/cm)	960		38548-044	11/29/93	181	120.1/1
Nitrate + Nitrite (mg/L as N)	0.1	0.05	38548-054	12/02/93	531	353.2/1

Field Identification: APT22

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	2	1	38548-015	12/06/93	814	415.1/1
pH (units)	7.13		38548-035	11/24/93	251	150.1/1
Chloride (mg/L)	9	1	38548-045	12/02/93	557	325.1/1
Sulfate (mg/L)	180	10	38548-045	12/01/93	548	300.0/1
Specific Conductance (umhos/cm)	1300		38548-045	11/29/93	181	120.1/1
Nitrate + Nitrite (mg/L as N)	0.06	0.05	38548-055	12/02/93	531	353.2/1

Field Identification: APT12

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	2	1	38548-016	12/06/93	814	415.1/1
pH (units)	7.06		38548-036	11/24/93	251	150.1/1
Chloride (mg/L)	BDL	1	38548-046	12/02/93	557	325.1/1
Sulfate (mg/L)	170	10	38548-046	12/01/93	548	300.0/1
Specific Conductance (umhos/cm)	960		38548-046	11/29/93	181	120.1/1
Nitrate + Nitrite (mg/L as N)	1.1	0.05	38548-056	12/02/93	531	353.2/1

500001

Field Identification: APT20R

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	BDL	1	38548-017	12/06/93	814	415.1/1
pH (units)	6.83		38548-037	11/24/93	251	150.1/1
Chloride (mg/L)	13	1	38548-047	12/02/93	557	325.1/1
Sulfate (mg/L)	1	1	38548-047	11/30/93	547	300.0/1
Specific Conductance (umhos/cm)	9.5		38548-047	11/29/93	181	120.1/1
Nitrate + Nitrite (mg/L as N)	BDL	0.05	38548-057	12/02/93	531	353.2/1

Field Identification: AMW34

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	BDL	1	38548-018	12/06/93	814	415.1/1
pH (units)	7.29		38548-038	11/24/93	251	150.1/1
Chloride (mg/L)	45	1	38548-048	12/02/93	557	325.1/1
Sulfate (mg/L)	40	1	38548-048	11/30/93	547	300.0/1
Specific Conductance (umhos/cm)	720		38548-048	11/29/93	181	120.1/1
Nitrate + Nitrite (mg/L as N)	0.17	0.05	38548-058	12/02/93	531	353.2/1

Field Identification: AMW30

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	1	1	38548-019	12/06/93	814	415.1/1
pH (units)	7.25		38548-039	11/24/93	251	150.1/1
Chloride (mg/L)	28	1	38548-049	12/02/93	557	325.1/1
Sulfate (mg/L)	57	1	38548-049	11/30/93	547	300.0/1
Specific Conductance (umhos/cm)	760		38548-049	11/29/93	181	120.1/1
Nitrate + Nitrite (mg/L as N)	0.26	0.05	38548-059	12/02/93	531	353.2/1

Field Identification: AMW31

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	BDL	1	38548-020	12/06/93	814	415.1/1
pH (units)	7.27		38548-040	11/24/93	251	150.1/1
Chloride (mg/L)	26	1	38548-050	12/02/93	557	325.1/1
Sulfate (mg/L)	31	1	38548-050	11/30/93	547	300.0/1
Specific Conductance (umhos/cm)	660		38548-050	11/29/93	181	120.1/1
Nitrate + Nitrite (mg/L as N)	0.55	0.05	38548-060	12/02/93	531	353.2/1

500000

Field Identification: APT25

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	BDL	1	38548-021	12/06/93	814	415.1/1
pH (units)	7.20		38548-041	11/24/93	251	150.1/1
Chloride (mg/L)	32	1	38548-051	12/02/93	557	325.1/1
Sulfate (mg/L)	32	1	38548-051	11/30/93	547	300.0/1
Specific Conductance (umhos/cm)	580		38548-051	11/29/93	181	120.1/1
Nitrate + Nitrite (mg/L as N)	1.1	0.05	38548-061	12/02/93	531	353.2/1

Field Identification: APT17

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	BDL	1	38548-022	12/06/93	814	415.1/1
pH (units)	7.16		38548-042	11/24/93	251	150.1/1
Chloride (mg/L)	25	1	38548-052	12/02/93	557	325.1/1
Sulfate (mg/L)	45	1	38548-052	11/30/93	547	300.0/1
Specific Conductance (umhos/cm)	710		38548-052	11/29/93	181	120.1/1
Nitrate + Nitrite (mg/L as N)	0.28	0.05	38548-062	12/02/93	531	353.2/1

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

500000

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Field Identification: MW33

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	1	1	38619-008	12/06/93	814	415.1/1
pH (units)	7.17		38619-020	12/03/93	255	150.1/1
Chloride (mg/L)	42	1	38619-026	12/06/93	560	325.1/1
Sulfate (mg/L)	41	1	38619-026	12/13/93	553	300.0/1
Specific Conductance (umhos/cm)	580		38619-026	12/07/93	182	120.1/1
Nitrate + Nitrite (mg/L as N)	0.31	0.05	38619-032	12/03/93	533	353.2/1

Field Identification: PT18

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	6	1	38619-009	12/06/93	814	415.1/1
pH (units)	6.91		38619-021	12/03/93	255	150.1/1
Chloride (mg/L)	36	1	38619-027	12/06/93	560	325.1/1
Sulfate (mg/L)	240	10	38619-027	12/13/93	553	300.0/1
Specific Conductance (umhos/cm)	1400		38619-027	12/07/93	182	120.1/1
Nitrate + Nitrite (mg/L as N)	0.10	0.05	38619-033	12/03/93	533	353.2/1

Field Identification: MW32

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	3	1	38619-010	12/06/93	814	415.1/1
pH (units)	7.22		38619-022	12/03/93	255	150.1/1
Chloride (mg/L)	95	1	38619-028	12/06/93	560	325.1/1
Sulfate (mg/L)	50	1	38619-028	12/08/93	551	300.0/1
Specific Conductance (umhos/cm)	850		38619-028	12/07/93	182	120.1/1
Nitrate + Nitrite (mg/L as N)	0.55	0.05	38619-034	12/03/93	533	353.2/1

Field Identification: PT18R

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	5	1	38619-011	12/06/93	814	415.1/1
pH (units)	6.92		38619-023	12/03/93	255	150.1/1
Chloride (mg/L)	BDL	1	38619-029	12/06/93	560	325.1/1
Sulfate (mg/L)	1	1	38619-029	12/08/93	551	300.0/1
Specific Conductance (umhos/cm)	830		38619-029	12/07/93	182	120.1/1
Nitrate + Nitrite (mg/L as N)	BDL	0.05	38619-035	12/03/93	533	353.2/1

500004

Field Identification: MW29

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	2	1	38619-012	12/06/93	814	415.1/1
pH (units)	7.20		38619-024	12/03/93	255	150.1/1
Chloride (mg/L)	13	1	38619-030	12/06/93	560	325.1/1
Sulfate (mg/L)	61	1	38619-030	12/08/93	551	300.0/1
Specific Conductance (umhos/cm)	750		38619-030	12/07/93	182	120.1/1
Nitrate + Nitrite (mg/L as N)	0.51	0.05	38619-036	12/03/93	533	353.2/1

Field Identification: MW90

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	5	1	38619-013	12/06/93	814	415.1/1
pH (units)	6.92		38619-025	12/03/93	255	150.1/1
Chloride (mg/L)	37	1	38619-031	12/06/93	560	325.1/1
Sulfate (mg/L)	260	10	38619-031	12/13/93	553	300.0/1
Specific Conductance (umhos/cm)	1400		38619-031	12/07/93	182	120.1/1
Nitrate + Nitrite (mg/L as N)	0.13	0.05	38619-037	12/03/93	533	353.2/1

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

500025

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

December 15, 1993
 PACE Project Number: 131206502
 WPPLAB5324

Attn:

Client Reference: Seneca Army Depot SDG-SEN11

PACE Sample Number:	1120	97 0112928
Date Collected:		11/23/93
Date Received:		12/04/93
		38548-23

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>METHOD</u>	<u>DATE ANALYZED</u>
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INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	0.02	SW846-9020	12/10/93
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PACE Sample Number:	1122	97 0112936
Date Collected:		11/23/93
Date Received:		12/04/93
Client Sample ID:		38548-25

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>METHOD</u>	<u>DATE ANALYZED</u>
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INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	0.17	SW846-9020	12/10/93
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REPORT OF LABORATORY ANALYSIS

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December 15, 1993
PACE Project Number: 131206502

Client Reference: Seneca Army Depot SDG-SEN11

PACE Sample Number:	12/12	97 0112944		
Date Collected:		11/23/93		
Date Received:		12/04/93		
Client Sample ID:		38548-26		
Parameter	Units	MDL	METHOD	DATE ANALYZED

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS		mg/L	0.02	0.06	SW846-9020	12/10/93
Total Organic Halogen						

PACE Sample Number:	12/12	97 0112952		
Date Collected:		11/23/93		
Date Received:		12/04/93		
Client Sample ID:		38548-27		
Parameter	Units	MDL	METHOD	DATE ANALYZED

NORGANIC ANALYSIS

INDIVIDUAL PARAMETERS		mg/L	0.02	ND	SW846-9020	12/10/93
Total Organic Halogen						

PACE Sample Number:	12/12	97 0112960		
Date Collected:		11/22/93		
Date Received:		12/04/93		
Client Sample ID:		38548-28		
Parameter	Units	MDL	METHOD	DATE ANALYZED

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS		mg/L	0.02	ND	SW846-9020	12/09/93
Total Organic Halogen						

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

December 15, 1993
 PACE Project Number: 131206502
 WPPLAB5324

Attn:

Client Reference: Seneca Army Depot SDG-SEN11

PACE Sample Number:	1120	97 0112928
Date Collected:		11/23/93
Date Received:		12/04/93
		38548-23

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>METHOD</u>	<u>DATE ANALYZED</u>
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INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	0.02	SW846-9020	12/10/93
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PACE Sample Number:	1122	97 0112936
Date Collected:		11/23/93
Date Received:		12/04/93
Client Sample ID:		38548-25

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>METHOD</u>	<u>DATE ANALYZED</u>
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INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	0.17	SW846-9020	12/10/93
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REPORT OF LABORATORY ANALYSIS

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December 15, 1993
PACE Project Number: 131206502

Client Reference: Seneca Army Depot SDG-SEN11

PACE Sample Number:	97 0112979			
Date Collected:	11/22/93			
Date Received:	12/04/93			
Client Sample ID:	38548-29			
Parameter	Units	MDL	METHOD	DATE ANALYZED

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS		mg/L	0.02	ND	SW846-9020	12/09/93
Total Organic Halogen						

PACE Sample Number:	97 0112987			
Date Collected:	11/22/93			
Date Received:	12/04/93			
Client Sample ID:	38548-30			
Parameter	Units	MDL	METHOD	DATE ANALYZED

ORGANIC ANALYSIS

INDIVIDUAL PARAMETERS		mg/L	0.02	ND	SW846-9020	12/09/93
Total Organic Halogen						

PACE Sample Number:	97 0112995			
Date Collected:	11/22/93			
Date Received:	12/04/93			
Client Sample ID:	38548-31			
Parameter	Units	MDL	METHOD	DATE ANALYZED

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS		mg/L	0.02	ND	SW846-9020	12/09/93
Total Organic Halogen						

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December 15, 1993
PACE Project Number: 131206502

Client Reference: Seneca Army Depot SDG-SEN11

PACE Sample Number:	97 0113002			
Date Collected:	11/22/93			
Date Received:	12/04/93			
Client Sample ID:	38548-32			
Parameter	Units	MDL	METHOD	DATE ANALYZED

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	ND	SW846-9020	12/09/93
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PACE Sample Number:	97 0113010			
Date Collected:	12/01/93			
Date Received:	12/04/93			
Client Sample ID:	38619-14			
Parameter	Units	MDL	METHOD	DATE ANALYZED

ORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	ND	SW846-9020	12/10/93
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PACE Sample Number:	97 0113029			
Date Collected:	12/01/93			
Date Received:	12/04/93			
Client Sample ID:	38619-15			
Parameter	Units	MDL	METHOD	DATE ANALYZED

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.20	1.5	SW846-9020	12/10/93
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December 15, 1993
PACE Project Number: 131206502

Client Reference: Seneca Army Depot SDG-SEN11

PACE Sample Number:	97 0113037			
Date Collected:	12/01/93			
Date Received:	12/04/93			
Client Sample ID:	38619-16			
Parameter	Units	MDL	METHOD	DATE ANALYZED

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	0.03	SW846-9020	12/10/93

PACE Sample Number:	97 0113045			
Date Collected:	PT 18 R	12/01/93		
Date Received:		12/04/93		
Client Sample ID:		38619-17		
Parameter	Units	MDL	METHOD	DATE ANALYZED

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	0.05	SW846-9020	12/10/93

PACE Sample Number:	97 0113053			
Date Collected:	-16-29	12/01/93		
Date Received:		12/04/93		
Client Sample ID:		38619-18		
Parameter	Units	MDL	METHOD	DATE ANALYZED

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS					
Total Organic Halogen	mg/L	0.02	ND	SW846-9020	12/10/93

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December 15, 1993
PACE Project Number: 131206502

Client Reference: Seneca Army Depot SDG-SEN11

PACE Sample Number:		97 0113061		
Date Collected:		12/01/93		
Date Received:		12/04/93		
Client Sample ID:		38619-19		
<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>METHOD</u>	<u>DATE ANALYZED</u>

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS				
Total Organic Halogen	mg/L	0.20	0.42	SW846-9020 12/10/93

PACE Sample Number:		97 0114289		
Date Collected:		11/23/93		
Date Received:		12/07/93		
Client Sample ID:		38548-34		
<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>METHOD</u>	<u>DATE ANALYZED</u>

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS				
Total Organic Halogen	mg/L	0.02	0.10	SW846-9020 12/10/93

These data have been reviewed and are approved for release.

Frances P. McConahy
Frances P. McConahy
Project Manager

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FOOTNOTES
for pages 1 through 6

December 15, 1993
PACE Project Number: 131206502

Client Reference: Seneca Army Depot SDG-SEN11

MDL Method Detection Limit
ND Not detected at or above the MDL.

Field Identification: APT21

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	3	1	38635-007	12/06/93	815	415.1/1
Chloride (mg/L)	84	1	38635-024	12/06/93	560	325.1/1
Sulfate (mg/L)	140	10	38635-024	12/13/93	553	300.0/1
Specific Conductance (umhos/cm)	990		38635-024	12/07/93	182	120.1/1

Field Identification: MW35D

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	6	1	38635-010	12/06/93	815	415.1/1
pH (units)	7.99		38635-021	12/04/93	256	150.1/1
Chloride (mg/L)	15	1	38635-027	12/06/93	560	325.1/1
Sulfate (mg/L)	100	1	38635-027	12/08/93	552	300.0/1
Specific Conductance (umhos/cm)	820		38635-027	12/07/93	182	120.1/1
Nitrate + Nitrite (mg/L as N)	BDL	0.05	38635-032	12/08/93	535	353.2/1

Field Identification: MW36

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	6	1	38635-011	12/06/93	815	415.1/1
pH (units)	7.37		38635-022	12/04/93	256	150.1/1
Chloride (mg/L)	27	1	38635-028	12/06/93	560	325.1/1
Sulfate (mg/L)	30	1	38635-028	12/08/93	552	300.0/1
Specific Conductance (umhos/cm)	550		38635-028	12/07/93	182	120.1/1
Nitrate + Nitrite (mg/L as N)	0.62	0.05	38635-033	12/08/93	535	353.2/1

Field Identification: PT26

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	5	1	38635-012	12/06/93	815	415.1/1
pH (units)	7.51		38635-023	12/04/93	256	150.1/1
Chloride (mg/L)	50	1	38635-029	12/06/93	560	325.1/1
Sulfate (mg/L)	95	1	38635-029	12/08/93	552	300.0/1
Specific Conductance (umhos/cm)	850		38635-029	12/07/93	182	120.1/1
Nitrate + Nitrite (mg/L as N)	0.60	0.05	38635-034	12/08/93	535	353.2/1

500001

Field Identification: OMW28

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	5	1	38635-008	12/06/93	815	415.1/1
pH (units)	11.40		38635-019	12/04/93	256	150.1/1
Chloride (mg/L)	10	1	38635-025	12/06/93	560	325.1/1
Sulfate (mg/L)	130	10	38635-025	12/13/93	553	300.0/1
Specific Conductance (umhos/cm)	560		38635-025	12/07/93	182	120.1/1
Nitrate + Nitrite (mg/L as N)	0.83	0.05	38635-030	12/08/93	535	353.2/1

Field Identification: OMW29

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	4	1	38635-009	12/06/93	815	415.1/1
pH (units)	7.32		38635-020	12/04/93	256	150.1/1
Chloride (mg/L)	10	1	38635-026	12/06/93	560	325.1/1
Sulfate (mg/L)	160	10	38635-026	12/13/93	553	300.0/1
Specific Conductance (umhos/cm)	870		38635-026	12/07/93	182	120.1/1
Nitrate + Nitrite (mg/L as N)	1.4	0.05	38635-031	12/08/93	535	353.2/1

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

500002

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Field Identification: FHS

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	3	1	38642-004	12/10/93	821	415.1/1
Chloride (mg/L)	19	1	38642-007	12/10/93	561	325.1/1
Sulfate (mg/L)	31	1	38642-007	12/08/93	552	300.0/1
Specific Conductance (umhos/cm)	830		38642-007	12/07/93	182	120.1/1
Nitrate + Nitrite (mg/L as N)	1.3	0.05	38642-010	12/08/93	535	353.2/1
pH (units)	7.23		38642-013	12/06/93	257	150.1/1

Field Identification: FHD

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	2	1	38642-005	12/10/93	821	415.1/1
Chloride (mg/L)	14	1	38642-008	12/10/93	561	325.1/1
Sulfate (mg/L)	34	1	38642-008	12/08/93	552	300.0/1
Specific Conductance (umhos/cm)	780		38642-008	12/07/93	182	120.1/1
Nitrate + Nitrite (mg/L as N)	BDL	0.05	38642-011	12/08/93	535	353.2/1
pH (units)	8.49		38642-014	12/06/93	257	150.1/1

Field Identification: BRN

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	4	1	38642-006	12/10/93	821	415.1/1
Chloride (mg/L)	18	1	38642-009	12/10/93	561	325.1/1
Sulfate (mg/L)	110	5	38642-009	12/13/93	553	300.0/1
Specific Conductance (umhos/cm)	880		38642-009	12/07/93	182	120.1/1
Nitrate + Nitrite (mg/L as N)	13	0.5	38642-012	12/08/93	535	353.2/1
pH (units)	7.44		38642-015	12/06/93	257	150.1/1

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

500003

pace
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THE ASSURANCE OF QUALITY

Field Identification: AMW27

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	4	1	38656-008	12/10/93	821	415.1/1
Chloride (mg/L)	35	1	38656-013	12/10/93	561	325.1/1
Sulfate (mg/L)	62	1	38656-013	12/08/93	552	300.0/1
Specific Conductance (umhos/cm)	710		38656-013	12/09/93	183	120.1/1
Nitrate + Nitrite (mg/L as N)	BDL	0.05	38656-018	12/08/93	535	353.2/1
pH (units)	7.42		38656-024	12/07/93	258	150.1/1

Field Identification: OMW16

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	4	1	38656-009	12/10/93	821	415.1/1
Chloride (mg/L)	3	1	38656-014	12/10/93	561	325.1/1
Sulfate (mg/L)	150	10	38656-014	12/13/93	553	300.0/1
Specific Conductance (umhos/cm)	720		38656-014	12/09/93	183	120.1/1
Nitrate + Nitrite (mg/L as N)	0.32	0.05	38656-019	12/08/93	535	353.2/1
pH (units)	7.26		38656-025	12/07/93	258	150.1/1

Field Identification: OMW23

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	3	1	38656-010	12/10/93	821	415.1/1
Chloride (mg/L)	17	1	38656-015	12/10/93	561	325.1/1
Sulfate (mg/L)	260	10	38656-015	12/13/93	553	300.0/1
Specific Conductance (umhos/cm)	990		38656-015	12/09/93	183	120.1/1
Nitrate + Nitrite (mg/L as N)	0.22	0.05	38656-020	12/08/93	535	353.2/1
pH (units)	7.21		38656-026	12/07/93	258	150.1/1

Field Identification: OMW7

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	2	1	38656-011	12/10/93	821	415.1/1
Chloride (mg/L)	2	1	38656-016	12/10/93	562	325.1/1
Sulfate (mg/L)	51	1	38656-016	12/13/93	553	300.0/1
Specific Conductance (umhos/cm)	530		38656-016	12/09/93	183	120.1/1
Nitrate + Nitrite (mg/L as N)	0.25	0.05	38656-021	12/08/93	535	353.2/1
pH (units)	7.35		38656-027	12/07/93	258	150.1/1

500004

Field Identification: OMW22

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	2	1	38656-012	12/10/93	821	415.1/1
Chloride (mg/L)	2	1	38656-017	12/10/93	562	325.1/1
Sulfate (mg/L)	140	10	38656-017	12/13/93	553	300.0/1
Specific Conductance (umhos/cm)	640		38656-017	12/09/93	183	120.1/1
Nitrate + Nitrite (mg/L as N)	0.18	0.05	38656-023	12/08/93	535	353.2/1
pH (units)	7.40		38656-029	12/07/93	258	150.1/1

Field Identification: APT21

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Nitrate + Nitrite (mg/L as N)	0.41	0.05	38656-022	12/08/93	535	353.2/1
pH (units)	7.49		38656-028	12/07/93	258	150.1/1

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

500005

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THE ASSURANCE OF QUALITY

Field Identification: AMW30

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	3	1	38668-006	12/13/93	821	415.1/1
Chloride (mg/L)	27	1	38668-011	12/10/93	561	325.1/1
Sulfate (mg/L)	25	1	38668-011	12/14/93	441	300.0/1
Specific Conductance (umhos/cm)	1000		38668-011	12/09/93	183	120.1/1
Nitrate + Nitrite (mg/L as N)	0.45	0.05	38668-016	12/08/93	535	353.2/1
pH (units)	7.02		38668-021	12/08/93	259	150.1/1

Field Identification: AMW1

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	4	1	38668-007	12/10/93	821	415.1/1
Chloride (mg/L)	4	1	38668-012	12/10/93	562	325.1/1
Sulfate (mg/L)	170	10	38668-012	12/14/93	441	300.0/1
Specific Conductance (umhos/cm)	700		38668-012	12/09/93	183	120.1/1
Nitrate + Nitrite (mg/L as N)	1.2	0.05	38668-017	12/08/93	535	353.2/1
pH (units)	7.16		38668-022	12/08/93	259	150.1/1

Field Identification: AMW13

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	3	1	38668-008	12/10/93	821	415.1/1
Chloride (mg/L)	11	1	38668-013	12/10/93	562	325.1/1
Sulfate (mg/L)	230	10	38668-013	12/14/93	441	300.0/1
Specific Conductance (umhos/cm)	990		38668-013	12/09/93	183	120.1/1
Nitrate + Nitrite (mg/L as N)	5.0	0.05	38668-018	12/08/93	535	353.2/1
pH (units)	7.04		38668-023	12/08/93	259	150.1/1

500006

Field Identification: AMW14

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	4	1	38668-009	12/10/93	821	415.1/1
Chloride (mg/L)	23	1	38668-014	12/10/93	562	325.1/1
Sulfate (mg/L)	240	10	38668-014	12/14/93	441	300.0/1
Specific Conductance (umhos/cm)	1100		38668-014	12/09/93	183	120.1/1
Nitrate + Nitrite (mg/L as N)	15	0.5	38668-019	12/08/93	535	353.2/1
pH (units)	7.17		38668-024	12/08/93	259	150.1/1

Field Identification: AMW15

Matrix: WATER

Parameter	Result	Reporting Limit	Lab No.	Date Analyzed	QC Batch	Method/Ref.
Total Organic Carbon (mg/L)	5	1	38668-010	12/10/93	821	415.1/1
Chloride (mg/L)	7	1	38668-015	12/10/93	562	325.1/1
Sulfate (mg/L)	400	10	38668-015	12/14/93	441	300.0/1
Specific Conductance (umhos/cm)	1400		38668-015	12/09/93	183	120.1/1
Nitrate + Nitrite (mg/L as N)	2.2	0.05	38668-020	12/08/93	535	353.2/1
pH (units)	7.18		38668-025	12/08/93	259	150.1/1

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

500007

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

December 17, 1993
 PACE Project Number: 131207502
 WPPLAB5337

Attn: Gretchen Franzheim

Client Reference: N31204502/N31206503

PACE Sample Number:
 Date Collected:
 Date Received:

11/21/93
 97 0114297
 12/02/93
 12/07/93
 38635-13

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>METHOD</u>	<u>DATE ANALYZED</u>
INORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
Total Organic Halogen	mg/L	0.02	0.05	SW846 9020 12/13/93

PACE Sample Number:
 Date Collected:
 Date Received:
 Client Sample ID:

11/21/93
 97 0114300
 12/02/93
 12/07/93
 38635-14

<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>METHOD</u>	<u>DATE ANALYZED</u>
INORGANIC ANALYSIS				
INDIVIDUAL PARAMETERS				
Total Organic Halogen	mg/L	0.02	ND	SW846 9020 12/13/93

Page 2

December 17, 1993
 PACE Project Number: 131207502

Client Reference: N31204502/N31206503

PACE Sample Number:

0114319

97 0114319

Date Collected:

12/02/93

Date Received:

12/07/93

Client Sample ID:

38635-15

Parameter

	Units	MDL	METHOD	DATE ANALYZED
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INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen

mg/L	0.02	0.02	SW846 9020	12/13/93
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PACE Sample Number:

ML-35

97 0114327

Date Collected:

12/03/93

Date Received:

12/07/93

Client Sample ID:

38635-16

Parameter

	Units	MDL	METHOD	DATE ANALYZED
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INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen

mg/L	0.02	ND	SW846 9020	12/13/93
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PACE Sample Number:

ML-36

97 0114335

Date Collected:

12/03/93

Date Received:

12/07/93

Client Sample ID:

38635-17

Parameter

	Units	MDL	METHOD	DATE ANALYZED
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INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen

mg/L	0.02	ND	SW846 9020	12/13/93
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December 17, 1993
 PACE Project Number: 131207502

Client Reference: N31204502/N31206503

PACE Sample Number:		97 0114343		
Date Collected:	12/03/93			
Date Received:	12/07/93			
Client Sample ID:	38635-18			
Parameter	Units	MDL	METHOD	DATE ANALYZED

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	ND	SW846 9020	12/13/93
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PACE Sample Number:		97 0114351		
Date Collected:	12/04/93			
Date Received:	12/07/93			
Client Sample ID:	38642-1			
Parameter	Units	MDL	METHOD	DATE ANALYZED

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	ND	SW846 9020	12/13/93
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PACE Sample Number:		97 0114360		
Date Collected:	12/04/93			
Date Received:	12/07/93			
Client Sample ID:	38642-2			
Parameter	Units	MDL	METHOD	DATE ANALYZED

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	ND	SW846 9020	12/13/93
-----------------------	------	------	----	------------	----------

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December 17, 1993
 PACE Project Number: 131207502

Client Reference: N31204502/N31206503

PACE Sample Number:

BRN

97 0114378

Date Collected:

12/04/93

Date Received:

12/07/93

Client Sample ID:

38642-3

Parameter

Units

MDL

METHOD

DATE ANALYZED

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen

mg/L

0.02

ND

SW846 9020

12/13/93

PACE Sample Number:

ALW27

97 0116176

Date Collected:

12/05/93

Date Received:

12/10/93

Client Sample ID:

38656-3

Parameter

Units

MDL

METHOD

DATE ANALYZED

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen

mg/L

0.02

0.05

SW846 9020

12/13/93

PACE Sample Number:

ALW16

97 0116184

Date Collected:

12/05/93

Date Received:

12/10/93

Client Sample ID:

38656-4

Parameter

Units

MDL

METHOD

DATE ANALYZED

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen

mg/L

0.02

ND

SW846 9020

12/14/93

Page 5

December 17, 1993
PACE Project Number: 131207502

Client Reference: N31204502/N31206503

PACE Sample Number:	OMW23		97 0116192
Date Collected:			12/05/93
Date Received:			12/10/93
Client Sample ID:			38656-5
<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>METHOD</u>

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	0.02	SW846 9020	12/14/93
-----------------------	------	------	------	------------	----------

PACE Sample Number:	OMW7		97 0116206
Date Collected:			12/05/93
Date Received:			12/10/93
Client Sample ID:			38656-6
<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>METHOD</u>

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	0.06	SW846 9020	12/14/93
-----------------------	------	------	------	------------	----------

PACE Sample Number:	OMW22		97 0116214
Date Collected:			12/05/93
Date Received:			12/10/93
Client Sample ID:			38656-7
<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>METHOD</u>

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	ND	SW846 9020	12/14/93
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December 17, 1993
 PACE Project Number: 131207502

Client Reference: N31204502/N31206503

PACE Sample Number:	Axile 30	97 0116222		
Date Collected:		12/06/93		
Date Received:		12/10/93		
Client Sample ID:		38668-1		
<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>METHOD</u>	<u>DATE ANALYZED</u>

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	0.02	SW846 9020	12/14/93
-----------------------	------	------	------	------------	----------

PACE Sample Number:	A MUL	97 0116230		
Date Collected:		12/06/93		
Date Received:		12/10/93		
Client Sample ID:		38668-2		
<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>METHOD</u>	<u>DATE ANALYZED</u>

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	ND	SW846 9020	12/14/93
-----------------------	------	------	----	------------	----------

PACE Sample Number:	Amu-13	97 0116249		
Date Collected:		12/06/93		
Date Received:		12/10/93		
Client Sample ID:		38668-3		
<u>Parameter</u>	<u>Units</u>	<u>MDL</u>	<u>METHOD</u>	<u>DATE ANALYZED</u>

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	0.04	SW846 9020	12/14/93
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December 17, 1993
PACE Project Number: 131207502

Client Reference: N31204502/N31206503

PACE Sample Number:

Date Collected:

Date Received:

Client Sample ID:

A MLU 14

97 0116257

12/06/93

12/10/93

38668-4

Parameter

Units

MDL

METHOD

DATE ANALYZED

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen

mg/L

0.02

0.04

SW846 9020

12/14/93

PACE Sample Number:

Date Collected:

Date Received:

Client Sample ID:

A MLU 15

97 0116265

12/06/93

12/10/93

38668-5

Parameter

Units

MDL

METHOD

DATE ANALYZED

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen

mg/L

0.02

ND

SW846 9020

12/14/93

These data have been reviewed and are approved for release.

Frances P. McConahy

Frances P. McConahy
Project Manager

Page 8

FOOTNOTES
for pages 1 through 7

December 17, 1993
PACE Project Number: 131207502

Client Reference: N31204502/N31206503

MDL Method Detection Limit
ND Not detected at or above the MDL.

**Section 3.0
QA/QC Data**

- 3.1 Surrogate Spike Recoveries**
- 3.2 Matrix Spike/Matrix Spike Duplicates**
- 3.3 Method Blanks**
- 3.4 Laboratory Control Samples and
Duplicates for Indicator Parameters**

3.1 Surrogate Spike Recoveries

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

> Name: PACE NEW ENGLA

Contract: NYASP

ab Code:

Case No.: SENEC

SAS No.:

SDG No.: SEN10

EPA	SMC1	SMC2	SMC3	OTHER	TOT
SAMPLE NO.	(TOL) #	(BFB) #	(DCE) #		OUT
01 AMW28	101	100	98	0	0
02 AMW38D	104	105	104	0	0
03 AMW39	99	102	122 *	0	1
04 AMW41D	97	101	104	0	0
05 APT16	104	97	106	0	0
06 APT19	98	102	105	0	0
07 APT24	99	100	103	0	0
08 MW27	103	105	106	0	0
09 MW37	99	100	101	0	0
10 MW40	97	100	105	0	0
11 MW42D	98	102	101	0	0
12 PT10	102	104	102	0	0
13 PT11	100	98	104	0	0
14 PT15	100	100	94	0	0
15 PT23	99	103	104	0	0
16 TB1110	96	101	105	0	0
17 TB1119	104	107	108	0	0
18 TB1120	104	99	114	0	0
19 TB1121	105	98	108	0	0
20 TB1122	99	101	102	0	0
21 TB119	97	101	110	0	0
22 APT24MS	102	100	108	0	0
23 APT24MSD	103	97	108	0	0
24 LCSV1MS	97	99	102	0	0
25 LCSV2MS	103	104	91	0	0
26 LCSV3MS	101	101	113	0	0
27 PT10MS	99	100	104	0	0
28 PT10MSD	100	106	104	0	0
29 VBLKCN	100	103	101	0	0
30 VBLKCO	99	103	104	0	0

QC LIMITS

SMC1 (TOL) = Toluene-d8 (88-110)
 SMC2 (BFB) = Bromofluorobenzene (86-115)
 SMC3 (DCE) = 1,2-Dichloroethane-d4(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

100001

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

> Name: PACE NEW ENGLA

Contract: NYASP

ab Code:

Case No.: SENEC

SAS No.:

SDG No.: SEN10

EPA	SMC1	SMC2	SMC3	OTHER	TOT
SAMPLE NO.	(TOL) #	(BFB) #	(DCE) #		OUT
01 VBLKED	97	99	102	0	0
02 VBLKEF	99	96	109	0	0

QC LIMITS

SMC1 (TOL) = Toluene-d8 (88-110)

SMC2 (BFB) = Bromofluorobenzene (86-115)

SMC3 (DCE) = 1,2-Dichloroethane-d4(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: PACE NEW ENGLA

Contract: NYASP

Lab Code:

Case No.: SENECA

SAS No.:

SDG No.: SEN11

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	AMW30	104	97	100	0	0
02	AMW31	98	95	101	0	0
03	AMW34	106	99	98	0	0
04	APT12	103	98	97	0	0
05	APT17	98	96	99	0	0
06	APT20	95	91	100	0	0
07	APT20R	99	90	93	0	0
08	APT22	104	102	93	0	0
09	APT25	95	90	99	0	0
10	APT9	102	98	90	0	0
11	MW29	95	93	104	0	0
12	MW32	102	101	99	0	0
13	MW33	98	102	102	0	0
14	MW90	100 D	98 D	96 D	0 D	0
15	PT18	103 D	92 D	103 D	0 D	0
16	PT18R	92	96	91	0	0
17	TB1122	100	96	109	0	0
18	TB1123	100	93	98	0	0
19	TB121	96	98	93	0	0
20	LCSV1MS	98	96	96	0	0
21	MW33MS	101	100	99	0	0
22	MW33MSD	94	100	97	0	0
23	VBLKEG	99	98	104	0	0
24	VBLKEJ	97	93	99	0	0

QC LIMITS

SMC1 (TOL) = Toluene-d8 (88-110)

SMC2 (BFB) = Bromofluorobenzene (86-115)

SMC3 (DCE) = 1,2-Dichloroethane-d4 (76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

h Name: PACE NEW ENGLA

Contract: NYASP

v Code:

Case No.: SENEC

SAS No.:

SDG No.: SEN12

EPA	SMC1	SMC2	SMC3	OTHER	TOT
SAMPLE NO.	(TOL) #	(BFB) #	(DCE) #		OUT
01 AMW27	102	100	101	0	0
02 APT21	101	103	100	0	0
03 MW35D	98	103	105	0	0
04 MW36	100	102	100	0	0
05 PT26	99	104	105	0	0
06 TB122	98	104	98	0	0
07 TB123	99	102	102	0	0
08 TB125	101	101	100	0	0
09 AMW27MS	100	100	102	0	0
10 AMW27MSD	99	100	102	0	0
11 LCSV1MS	100	101	110	0	0
12 LCSV1MSD	98	100	102	0	0
13 VBLKCD	99	101	96	0	0
14 VBLKCF	102	101	97	0	0

QC LIMITS

SMC1 (TOL) = Toluene-d8 (88-110)

SMC2 (BFB) = Bromofluorobenzene (86-115)

SMC3 (DCE) = 1,2-Dichloroethane-d4(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

3.2 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.: SEN10

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	51.79	104	61-145
Trichloroethene	50.00	0	48.97	98	71-120
Benzene	50.00	0	51.09	102	76-127
Toluene	50.00	0	48.00	96	76-125
Chlorobenzene	50.00	0	49.82	100	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: Matrix Spike Blank LCSV1

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.: SEN10

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	44.98	90	61-145
Trichloroethene	50.00	0	50.96	102	71-120
Benzene	50.00	0	48.18	96	76-127
Toluene	50.00	0	48.85	98	76-125
Chlorobenzene	50.00	0	54.20	108	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: Matrix Spike Blank LCSV3

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.: SEN10

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	63.45	127	61-145
Trichloroethene	50.00	0	56.76	114	71-120
Benzene	50.00	0	60.83	122	76-127
Toluene	50.00	0	57.31	115	76-125
Chlorobenzene	50.00	0	52.78	106	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: Matrix Spike Blank LCSV2

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Name: PACE NEW ENGLA

Contract: NYASP

ab Code:

Case No.: SENECA

SAS No.:

SDG No.: SEN10

Matrix Spike - EPA Sample No.: APT24

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.00	0	47.48	95	61-145
Trichloroethene	50.00	4.249	56.04	104	71-120
Benzene	50.00	0	48.08	96	76-127
Toluene	50.00	0	48.70	97	76-125
Chlorobenzene	50.00	0	53.57	107	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	MSD % RPD #	QC LIMTS RPD REC.
1,1-Dichloroethene	50.00	46.05	92	3	14 61-145
Trichloroethene	50.00	60.80	113	8	14 71-120
Benzene	50.00	50.22	100	4	11 76-127
Toluene	50.00	47.71	95	2	13 76-125
Chlorobenzene	50.00	55.35	111	4	13 75-130

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

Values outside of QC limits

0 out of 5 outside limits

Recovery: 0 out of 10 outside limits

MENTS:

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Name: PACE NEW ENGLA

Contract: NYASP

Lab Code:

Case No.: SENEC

SAS No.:

SDG No.: SEN10

Matrix Spike - EPA Sample No.: PT10

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.00	0	57.86	116	61-145
Trichloroethene	50.00	0	50.86	102	71-120
Benzene	50.00	0	54.16	108	76-127
Toluene	50.00	0	54.11	108	76-125
Chlorobenzene	50.00	0	49.64	99	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	MSD % RPD #	QC LIMITS RPD REC.
1,1-Dichloroethene	50.00	52.75	106	9	14 61-145
Trichloroethene	50.00	55.92	112	9	14 71-120
Benzene	50.00	54.62	109	1	11 76-127
Toluene	50.00	55.81	112	4	13 76-125
Chlorobenzene	50.00	52.41	105	6	13 75-130

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

Values outside of QC limits

0: 0 out of 5 outside limits

Like Recovery: 0 out of 10 outside limits

AMENTS:

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.: SEN11

Matrix Spike - EPA Sample No.: LCSV1MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.00	0	51.31	103	61-145
Trichloroethene	50.00	0	52.13	104	71-120
Benzene	50.00	0	50.76	102	76-127
Toluene	50.00	0	48.65	97	76-125
Chlorobenzene	50.00	0	55.54	111	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: Matrix Spike Blank is LCSV1MS

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Name: PACE NEW ENGLA

Contract: NYASP

Job Code:

Case No.: SENECA

SAS No.:

SDG No.: SEN11

Matrix Spike - EPA Sample No.: MW33

COMPOUND	SPIKE	SAMPLE	MS	MS	QC
	ADDED (ug/L)	CONCENTRATION (ug/L)	CONCENTRATION (ug/L)	% REC #	LIMITS REC.
,1-Dichloroethene	50.00	0	57.49	115	61-145
Trichloroethene	50.00	0	51.65	103	71-120
Benzene	50.00	0	51.31	103	76-127
Clorene	50.00	0	50.22	100	76-125
Chlorobenzene	50.00	0	56.58	113	75-130

COMPOUND	SPIKE	MSD	MSD	%	%	QC LIMTS
	ADDED (ug/L)	CONCENTRATION (ug/L)	REC #	RPD #	RPD	REC.
,1-Dichloroethene	50.00	51.58	103	11	14	61-145
Trichloroethene	50.00	51.23	102	1	14	71-120
Benzene	50.00	54.10	108	5	11	76-127
Clorene	50.00	48.11	96	4	13	76-125
Chlorobenzene	50.00	56.35	113	0	13	75-130

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

values outside of QC limits

FAIL: 0 out of 5 outside limits

FAKE Recovery: 0 out of 10 outside limits

COMMENTS:

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: PACE NEW ENGLA

Contract: NYASP

Lab Code:

Case No.: SENEC

SAS No.:

SDG No.: SEN12

Matrix Spike - EPA Sample No.: AMW27

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
,1-Dichloroethene	50.00	0	47.47	95	61-145
Trichloroethene	50.00	0	49.33	99	71-120
Benzene	50.00	0	50.07	100	76-127
Toluene	50.00	0	48.70	97	76-125
Chlorobenzene	50.00	0	52.36	105	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	MSD % RPD #	QC LIMITS RPD REC.
,1-Dichloroethene	50.00	46.34	93	2	14 61-145
Trichloroethene	50.00	50.93	102	3	14 71-120
Benzene	50.00	51.75	104	4	11 76-127
Toluene	50.00	50.06	100	3	13 76-125
Chlorobenzene	50.00	53.19	106	1	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

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.: SENECA

SAS No.:

SDG No.: SEN12

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	32.13	64	61-145
Trichloroethene _____	50.00	0	50.57	101	71-120
Benzene _____	50.00	0	50.76	102	76-127
Toluene _____	50.00	0	49.93	100	76-125
Chlorobenzene _____	50.00	0	54.25	108	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
1,1-Dichloroethene _____	50.00	45.79	92	36 *	14	61-145
Trichloroethene _____	50.00	49.24	98	3	14	71-120
Benzene _____	50.00	49.90	100	2	11	76-127
Toluene _____	50.00	47.96	96	4	13	76-125
Chlorobenzene _____	50.00	52.42	105	3	13	75-130

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

- Values outside of QC limits

RPD: 1 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: MSB DUPLICATES LCSV1MS/MSD

3.3 Method Blanks

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKCN

Name: PACE NEW ENGLA Contract: NYASP

Code: Case No.: SENECA SAS No.: SDG No.: SEN10

Lab File ID: C9575 Lab Sample ID: BC111693A

Sample Analyzed: 11/16/93 Time Analyzed: 1139

Column: SP1000 ID: 2.00(mm) Heated Purge: (Y/N) N

Instrument ID: CMS-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	38384-45	C9580	1454
02 APT19	38384-47	C9584	1735
03 MW37	38384-44	C9589	2031
04 MW40	38384-49	C9586	1846
05 MW42D	38384-42	C9577	1309
06 PT15	38384-41	C9576	1234
07 PT23	38384-50	C9587	1921
08 TB1110	38384-43	C9578	1344
09 TB119	38384-48	C9585	1810
10 LCSV1MS	LCC111693D	C9583	1700

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKCO

Name: PACE NEW ENGLA Contract: NYASP

Code: Case No.: SENECA SAS No.: SDG No.: SEN10

ab File ID: C9595 Lab Sample ID: BC111793A

e Analyzed: 11/17/93 Time Analyzed: 1126

Column: SP1000 ID: 2.00(mm) Heated Purge: (Y/N) N

Instrument ID: CMS-HP

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	AMW39	38384-46	C9596	1201

COMMENTS:

100009

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKED

Name: PACE NEW ENGLA Contract: NYASP

Code: Case No.: SENECA SAS No.: SDG No.: SEN10

ab File ID: E5244 Lab Sample ID: BE112493A

Date Analyzed: 11/24/93 Time Analyzed: 1202

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

Instrument ID: EMS-HP

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

EPA	LAB	LAB	TIME
SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
01 PT10	38516-4	E5247	1353
02 TB1119	38516-3	E5246	1320
03 LCSV2MS	LCE112493D	E5253	1709
04 PT10MS	38516-4MS	E5248	1426
05 PT10MSD	38516-4MSD	E5249	1458

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKEF

Name: PACE NEW ENGLA Contract: NYASP

Code: Case No.: SENECA SAS No.: SDG No.: SEN10

File ID: E5268 Lab Sample ID: BE112993A

Analyzed: 11/29/93 Time Analyzed: 1102

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

Instrument ID: EMS-HP

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01 AMW28	38533-7	E5279	1717
02 AMW38D	38533-8	E5280	1749
03 APT16	38533-5	E5273	1359
04 APT24	38533-6	E5274	1432
05 MW27	38533-3	E5271	1253
06 PT11	38533-1	E5269	1147
07 TB1120	38533-2	E5270	1221
08 TB1121	38533-9	E5281	1822
09 TB1122	38533-4	E5272	1327
10 APT24MS	38533-6MS	E5275	1505
11 APT24MSD	38533-6MSD	E5277	1611
12 LCSV3MS	LCE112993D	E5278	1643

COMMENTS:

100011

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKCN

Name: PACE NEW ENGLA	Contract: NYASP		
Sample Code:	Case No.: SENECA	SAS No.:	SDG No.: SEN10
Matrix: (soil/water) WATER		Lab Sample ID:	BC111693A
Sample wt/vol:	5.00 (g/mL) ML	Lab File ID:	C9575
Level: (low/med)	LOW	Date Received:	
Moisture: not dec.		Date Analyzed:	11/16/93
Column: SP1000	ID: 2.00 (mm)	Dilution Factor:	1.0
Cell 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	U
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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKCO

Name: PACE NEW ENGLA	Contract: NYASP		
Job Code:	Case No.: SENECA	SAS No.:	SDG No.: SEN10
Matrix: (soil/water) WATER		Lab Sample ID: BC111793A	
Sample wt/vol: 5.00 (g/mL) ML		Lab File ID: C9595	
Level: (low/med) LOW		Date Received:	
Moisture: not dec.		Date Analyzed: 11/17/93	
GC Column: SP1000	ID: 2.00 (mm)	Dilution Factor: 1.0	
Oil 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	7	J
67-64-1-----	Acetone	10	U
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

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKED

Name: PACE NEW ENGLA	Contract: NYASP		
Lab Code:	Case No.: SENECA	SAS No.:	SDG No.: SEN10
Matrix: (soil/water) WATER	Lab Sample ID: BE112493A		
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: E5244		
Level: (low/med) LOW	Date Received:		
Moisture: not dec.	Date Analyzed: 11/24/93		
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	10	U
67-64-1-----	Acetone	10	U
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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKEF

Name: PACE NEW ENGLA	Contract: NYASP		
Code: Case No.: SENECA	SAS No.:	SDG No.: SEN10	
Matrix: (soil/water) WATER		Lab Sample ID: BE112993A	
Sample wt/vol: 5.00 (g/mL) ML		Lab File ID: E5268	
Level: (low/med) LOW		Date Received:	
Moisture: not dec.		Date Analyzed: 11/29/93	
Column: 502.2 ID: 0.530 (mm)		Dilution Factor: 1.0	
Oil 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	10	U
67-64-1-----	Acetone	10	U
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

VOLATILE ORGANICS ANALYSIS DATA SHEET

LCSV1MS

Name:	PACE NEW ENGLA	Contract:	NYASP
Code:	Case No.: SENECA	SAS No.:	SDG No.: SEN10
matrix: (soil/water) WATER		Lab Sample ID: LCC111693D	
sample wt/vol: 5.00 (g/mL) ML		Lab File ID: C9583	
level: (low/med) LOW		Date Received:	
Moisture: not dec.		Date Analyzed: 11/16/93	
Column:	SP1000 ID: 2.00 (mm)	Dilution Factor:	1.0
oil 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	BJ
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	52	
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	49	
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	51	
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	48	
108-90-7-----	Chlorobenzene	50	
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (total)	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

LCSV3MS

(1) Name: PACE NEW ENGLA		Contract: NYASP		
(2) Code:	Case No.: SENECA	SAS No.:	SDG No.: SEN10	
Matrix: (soil/water) WATER		Lab Sample ID: LCE112993D		
Sample wt/vol: 5.00 (g/mL) ML		Lab File ID: E5278		
Level: (low/med) LOW		Date Received:		
Moisture: not dec.		Date Analyzed: 11/29/93		
Column: 502.2 ID: 0.530 (mm)		Dilution Factor: 1.0		
Oil 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	10		U
67-64-1	Acetone	10		U
75-15-0	Carbon Disulfide	10		U
75-35-4	1,1-Dichloroethene	45		
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	51		
124-48-1	Dibromochloromethane	10		U
79-00-5	1,1,2-Trichloroethane	10		U
71-43-2	Benzene	48		
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	49		
108-90-7	Chlorobenzene	54		
100-41-4	Ethylbenzene	10		U
100-42-5	Styrene	10		U
1330-20-7	Xylene (total)	10		U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PT10MS

Name:	PACE NEW ENGLA	Contract:	NYASP	
Code:	Case No.: SENECA	SAS No.:	SDG No.: SEN10	
Matrix: (soil/water)	WATER	Lab Sample ID:	38516-4MS	
Sample wt/vol:	5.00 (g/mL) ML	Lab File ID:	E5248	
Level: (low/med)	LOW	Date Received:	11/20/93	
Moisture: not dec.		Date Analyzed:	11/24/93	
Column: 502.2	ID: 0.530 (mm)	Dilution Factor:	1.0	
Oil 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	10	U	
67-64-1-----	Acetone	10	U	
75-15-0-----	Carbon Disulfide	10	U	
75-35-4-----	1,1-Dichloroethene	58		
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	51		
124-48-1-----	Dibromochloromethane	10	U	
79-00-5-----	1,1,2-Trichloroethane	10	U	
71-43-2-----	Benzene	54		
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	54		
108-90-7-----	Chlorobenzene	50		
100-41-4-----	Ethylbenzene	10	U	
100-42-5-----	Styrene	10	U	
1330-20-7-----	Xylene (total)	10	U	

VOLATILE ORGANICS ANALYSIS DATA SHEET

PT10MSD

Name:	PACE NEW ENGLA	Contract:	NYASPC
Code:	Case No.: SENECA	SAS No.:	SDG No.: SEN10
Matrix: (soil/water) WATER		Lab Sample ID:	38516-4MSD
Sample wt/vol:	5.00 (g/mL) ML	Lab File ID:	E5249
Level: (low/med)	LOW	Date Received:	11/20/93
Picture:	not dec.	Date Analyzed:	11/24/93
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	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	53	
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	56	
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	55	
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	56	
108-90-7-----	Chlorobenzene	52	
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (total)	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: PACE NEW ENGLA

Contract: NYASP

APT24MS

Lab Code:	Case No.: SENECA	SAS No.:	SDG No.: SEN10
matrix: (soil/water) WATER		Lab Sample ID:	38533-6MS
Sample wt/vol:	5.00 (g/mL) ML	Lab File ID:	E5275
Level:	(low/med) LOW	Date Received:	11/23/93
Moisture: not dec.		Date Analyzed:	11/29/93
GC Column: 502.2	ID: 0.530 (mm)	Dilution Factor:	1.0
oil 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	10	U	
67-64-1-----	Acetone	10	U	
75-15-0-----	Carbon Disulfide	10	U	
75-35-4-----	1,1-Dichloroethene	47		
75-34-3-----	1,1-Dichloroethane	10	U	
540-59-0-----	1,2-Dichloroethene (total)	71		
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	56		
124-48-1-----	Dibromochloromethane	10	U	
79-00-5-----	1,1,2-Trichloroethane	10	U	
71-43-2-----	Benzene	48		
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	49		
108-90-7-----	Chlorobenzene	54		
100-41-4-----	Ethylbenzene	10	U	
100-42-5-----	Styrene	10	U	
1330-20-7-----	Xylene (total)	10	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: PACE NEW ENGLA

Contract: NYASP

APT24MSD

Lab Code:	Case No.: SENECA	SAS No.:	SDG No.: SEN10
matrix: (soil/water) WATER		Lab Sample ID: 38533-6MSD	
Sample wt/vol:	5.00 (g/mL) ML	Lab File ID:	E5277
Level:	(low/med) LOW	Date Received:	11/23/93
Moisture:	not dec.	Date Analyzed:	11/29/93
GC Column:	502.2	ID:	0.530 (mm)
Dilution Factor: 1.0			
oil 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	10	U	
67-64-1-----	Acetone	10	U	
75-15-0-----	Carbon Disulfide	10	U	
75-35-4-----	1,1-Dichloroethene	46		
75-34-3-----	1,1-Dichloroethane	10	U	
540-59-0-----	1,2-Dichloroethene (total)	67		
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	61		
124-48-1-----	Dibromochloromethane	10	U	
79-00-5-----	1,1,2-Trichloroethane	10	U	
71-43-2-----	Benzene	50		
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	48		
108-90-7-----	Chlorobenzene	55		
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.

VBLKCD

> Name: PACE NEW ENGLA Contract: NYASP

ab Code: Case No.: SENECA SAS No.: SDG No.: SEN12

> File ID: C9895 Lab Sample ID: BC120893A

> Date Analyzed: 12/08/93 Time Analyzed: 1059

C Column: SP1000 ID: 2.00(mm) Heated Purge: (Y/N) N

> Instrument ID: CMS-HP

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01 APT21	38635-1	C9899	1325
02 MW35D	38635-4	C9902	1511
03 MW36	38635-5	C9908	1857
04 PT26	38635-6	C9906	1746
05 TB122	38635-2	C9907	1822
06 TB123	38635-3	C9901	1436

MENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKCF

a Name: PACE NEW ENGLA Contract: NYASP

ab Code: Case No.: SENECA SDG No.: SEN12

a File ID: C9941 Lab Sample ID: BC121393A

a e Analyzed: 12/13/93 Time Analyzed: 1207

C Column: SP1000 ID: 2.00(mm) Heated Purge: (Y/N) N

r trument ID: CMS-HP

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01 AMW27	38656-2	C9942	1242
02 TB125	38656-1	C9944	1352
03 AMW27MS	38656-2MS	C9943	1317
04 AMW27MSD	38656-2MSD	C9945	1427
05 LCSV1MS	LCC121393	C9946	1503
06 LCSV1MSD	LCC121393D	C9948	1613

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKCD

Name: PACE NEW ENGLA	Contract: NYASP		
Lab Code:	Case No.: SENECA	SAS No.:	SDG No.: SEN12
Matrix: (soil/water) WATER	Lab Sample ID: BC120893A		
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: C9895		
Level: (low/med) LOW	Date Received:		
Moisture: not dec.	Date Analyzed: 12/08/93		
Column: SP1000 ID: 2.00 (mm)	Dilution Factor: 1.0		
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	7	J	
67-64-1	Acetone	10	U	
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	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Name: PACE NEW ENGLA	Contract: NYASP	VBLKCF	
ab Code:	Case No.: SENECA	SAS No.:	SDG No.: SEN12
Matrix: (soil/water) WATER	Lab Sample ID: BC121393A		
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: C9941		
Level: (low/med) LOW	Date Received:		
Moisture: not dec.	Date Analyzed: 12/13/93		
Column: SP1000 ID: 2.00 (mm)	Dilution Factor: 1.0		
0.1 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	U
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

VOLATILE ORGANICS ANALYSIS DATA SHEET

AMW27MS

Name: PACE NEW ENGLA	Contract: NYASP		
ab Code:	Case No.: SENECA	SAS No.:	SDG No.: SEN12
Matrix: (soil/water) WATER	Lab Sample ID: 38656-2MS		
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: C9943		
Level: (low/med) LOW	Date Received: 12/07/93		
Moisture: not dec.	Date Analyzed: 12/13/93		
C Column: SP1000 ID: 2.00 (mm)	Dilution Factor: 1.0		
0.1 Extract Volume: (uL)	Soil Aliquot Volume: (uL)		
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q	
		10	U
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	7	BJ	
67-64-1-----Acetone	10	U	
75-15-0-----Carbon Disulfide	10	U	
75-35-4-----1,1-Dichloroethene	47		
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	49		
124-48-1-----Dibromochloromethane	10	U	
79-00-5-----1,1,2-Trichloroethane	10	U	
71-43-2-----Benzene	50		
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	49		
108-90-7-----Chlorobenzene	52		
100-41-4-----Ethylbenzene	10	U	
100-42-5-----Styrene	10	U	
1330-20-7-----Xylene (total)	10	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Name: PACE NEW ENGLA

Contract: NYASP

AMW27MSD

Lab Code:	Case No.: SENECA	SAS No.:	SDG No.: SEN12
Matrix: (soil/water) WATER		Lab Sample ID:	38656-2MSD
Sample wt/vol:	5.00 (g/mL) ML	Lab File ID:	C9945
Level: (low/med)	LOW	Date Received:	12/07/93
Moisture:	not dec.	Date Analyzed:	12/13/93
Column: SP1000	ID: 2.00 (mm)	Dilution Factor:	1.0
Initial Extract Volume:	(uL)	Soil Aliquot Volume:	(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
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	7	BJ
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	46	
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	51	
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	52	
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	50	
108-90-7	Chlorobenzene	53	
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

LCSV1MS

Name: PACE NEW ENGLA Contract: NYASP

Lab Sample ID: LCC121393

Lab File ID: C9946

Date Received:

Date Analyzed: 12/13/93

Dilution Factor: 1.0

Soil Aliquot Volume: (uL)

Sample wt/vol: 5.00 (g/mL) ML

Moisture: (low/med) LOW

Column: SP1000 ID: 2.00 (mm)

1 Extract 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	7	BJ	
67-64-1	Acetone	10	U	
75-15-0	Carbon Disulfide	10	U	
75-35-4	1,1-Dichloroethene	32		
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	51		
124-48-1	Dibromochloromethane	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
71-43-2	Benzene	51		
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	50		
108-90-7	Chlorobenzene	54		
100-41-4	Ethylbenzene	10	U	
100-42-5	Styrene	10	U	
1330-20-7	Xylene (total)	10	U	

LCSV1MSD

Name: PACE NEW ENGLA	Contract: NYASP		
ab Code:	Case No.: SENECA	SAS No.:	SDG No.: SEN12
Matrix: (soil/water) WATER	Lab Sample ID: LCC121393D		
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: C9948		
Level: (low/med) LOW	Date Received:		
Moisture: not dec.	Date Analyzed: 12/13/93		
C Column: SP1000 ID: 2.00 (mm)	Dilution Factor: 1.0		
11 Extract Volume: (uL)	Soil Aliquot Volume: (uL)		
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q	
		10	U
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	BJ	
67-64-1-----Acetone	10	U	
75-15-0-----Carbon Disulfide	10	U	
75-35-4-----1,1-Dichloroethene	46		
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	49		
124-48-1-----Dibromochloromethane	10	U	
79-00-5-----1,1,2-Trichloroethane	10	U	
71-43-2-----Benzene	50		
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	48		
108-90-7-----Chlorobenzene	52		
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.

Name: PACE NEW ENGLA

Contract: NYASP

VBLKEG

ab Code: Case No.: SENECA SAS No.: SDG No.: SEN11

File ID: E5296 Lab Sample ID: BE113093A

Analyzed: 11/30/93 Time Analyzed: 1218

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

Instrument ID: EMS-HP

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01 AMW30	38548-8	E5309	1910
02 AMW31	38548-9	E5310	1943
03 AMW34	38548-7	E5308	1837
04 APT12	38548-4	E5301	1448
05 APT17	38548-11	E5312	2048
06 APT20	38548-1	E5298	1309
07 APT20R	38548-5	E5302	1521
08 APT22	38548-3	E5300	1415
09 APT25	38548-10	E5311	2016
10 APT9	38548-2	E5299	1342
11 TB1122	38548-12	E5313	2121
12 TB1123	38548-6	E5307	1805

COMMENTS:

10000-3

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKEJ

Name: PACE NEW ENGLA

Contract: NYASP

Lab Code: Case No.: SENECA SAS No.: SDG No.: SEN11

File ID: E5377 Lab Sample ID: BE120793A

Date Analyzed: 12/07/93 Time Analyzed: 1147

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

Instrument ID: EMS-HP

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01 MW29	38619-6	E5386	1702
02 MW32	38619-4	E5384	1552
03 MW33	38619-1	E5380	1340
04 MW90	38619-7	E5387	1735
05 PT18	38619-3	E5379	1307
06 PT18R	38619-5	E5385	1629
07 TB121	38619-2	E5383	1519
08 LCSV1MS	LCE120793	E5392	2019
09 MW33MS	38619-1MS	E5381	1413
10 MW33MSD	38619-1MSD	E5382	1446

COMMENTS:

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKEG

Name: PACE NEW ENGLA	Contract: NYASP		
Lab Code:	Case No.: SENECA	SAS No.:	
		SDG No.: SEN11	
Matrix: (soil/water) WATER	Lab Sample ID: BE113093A		
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: E5296		
Level: (low/med) LOW	Date Received:		
Moisture: not dec.	Date Analyzed: 11/30/93		
Column: 502.2 ID: 0.530 (mm)	Dilution Factor: 1.0		
All 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	10	U
67-64-1-----	Acetone	10	U
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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKEJ

Name: PACE NEW ENGLA

Contract: NYASP

Lab Code:

Case No.: SENECA

SAS No.:

SDG No.: SEN11

Matrix: (soil/water) WATER

Lab Sample ID: BE120793A

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: E5377

Level: (low/med) LOW

Date Received:

Moisture: not dec.

Date Analyzed: 12/07/93

GC Column: 502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

All Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	
		Q	U
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	10	U
67-64-1	Acetone	10	U
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

LCSV1MS

Name: PACE NEW ENGLA	Contract: NYASP		
Lab Code:	Case No.: SENECA	SAS No.:	SDG No.: SEN11
Matrix: (soil/water) WATER	Lab Sample ID: LCE120793		
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: E5392		
Level: (low/med) LOW	Date Received: 12/02/93		
Moisture: not dec.	Date Analyzed: 12/07/93		
Column: 502.2 ID: 0.530 (mm)	Dilution Factor: 1.0		
1 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	7	J
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	51	
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	52	
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	51	
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	49	
108-90-7-----	Chlorobenzene	56	
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (total)	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW33MS

Name: PACE NEW ENGLA Contract: NYASP

ab Code: Case No.: SENECA SAS No.: SDG No.: SEN11

Matrix: (soil/water) WATER Lab Sample ID: 38619-1MS

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: E5381

Level: (low/med) LOW Date Received: 12/02/93

Moisture: not dec. Date Analyzed: 12/07/93

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

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	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	57	
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	52	
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	51	
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	50	
108-90-7-----	Chlorobenzene	57	
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (total)	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW33MSD

Name: PACE NEW ENGLA	Contract: NYASP		
Lab Code:	Case No.: SENECA	SAS No.:	SDG No.: SEN11
Matrix: (soil/water) WATER	Lab Sample ID: 38619-1MSD		
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: E5382		
Level: (low/med) LOW	Date Received: 12/02/93		
Moisture: not dec.	Date Analyzed: 12/07/93		
Column: 502.2 ID: 0.530 (mm)	Dilution Factor: 1.0		
1.1 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	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	52	
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	51	
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	54	
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	48	
108-90-7	Chlorobenzene	56	
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

**3.4 Laboratory Control Samples and
Duplicates for Indicator Parameters**

NOTE: Laboratory Control Samples for Volatile
Organic Analysis are Listed with the
Matrix Spike Summary Sheets (Form 3A)

QUALITY CONTROL

Total Organic Carbon

Method: 415.1 EPA-600/4-84-017

QC Batch: 806 For: 38384
Matrix: WATER**METHOD BLANK:**

	Result
	mg/L
<	1.00

LABORATORY CONTROL SAMPLES:

	True Value mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %
LCS1	5.0	4.590	91.8	3.0
LCS2	5.0	4.730	94.6	

FIELD SAMPLE:

Precision	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
Lab No.				
38397-11	8.22	8.12	8.17	1.2

FIELD SAMPLE:

Accuracy	Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
Lab No.				
38397-11 MS	8.22	5	12.88	93.2
38397-11 MSD	8.22	5	13.18	99.2
			RPD=	6.237

500107

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

QC Batch: 526 For: 38384
Matrix: WATER

METHOD BLANK: Result
 mg/L

 < 0.05

LABORATORY CONTROL SAMPLES: Accuracy Precision
 True Observed Recovery Relative Percent
 Value Value % Difference
 mg/L mg/L % %

LCS1 2.0 1.932 96.6 0.8
LCS2 2.0 1.916 95.8

FIELD SAMPLE:

Precision Replicate 1 Replicate 2 Average Relative Percent
Lab No. mg/L mg/L mg/L Difference

38421 0.45 0.45 0.45 0.9

FIELD SAMPLE:

Accuracy Spike Spike Recovery
Lab No. Replicate 1 Added Found %
 mg/L mg/L mg/L %

38421 MS 0.45 1 1.46 101.4
38421 MSD 0.45 1 1.46 101.1
 RPD= 0.296

QUALITY CONTROL

Total Organic Carbon

Method: 415.1 EPA-600/4-84-017

QC Batch: 812 For: 38516
Matrix: WATER

METHOD BLANK:	Result
	mg/L

	< 1.00

LABORATORY CONTROL SAMPLES:		Accuracy	Precision	
	True Value mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %
	-----	-----	-----	-----
LCS1	5.0	4.410	88.2	5.7
LCS2	5.0	4.670	93.4	

FIELD SAMPLE:

Precision	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
Lab No.	-----	-----	-----	-----
-----	-----	-----	-----	-----
38467-9	20.60	20.90	20.75	1.4

FIELD SAMPLE:

Accuracy	Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
Lab No.	-----	-----	-----	-----
-----	-----	-----	-----	-----
38467-9 MS	20.60	50	76.20	111.2
38467-9 MSD	20.60	50	76.50	111.8
			RPD=	0.538

500103

QUALITY CONTROL

Total Organic Carbon

Method: 415.1 EPA-600/4-84-017

QC Batch: 813

Matrix: WATERS

METHOD BLANK:

Result

mg/L

< 1.00

LABORATORY CONTROL SAMPLES:

Accuracy

Precision

	True Value mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %
LCS1	5.0	4.880	97.6	0.8
LCS2	5.0	4.840	96.8	

FIELD SAMPLE:

Precision

Relative Percent

Lab No.	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
38533-13	1.94	2.12	2.03	8.9

FIELD SAMPLE:

Accuracy

Spike

Recovery

Lab No.	Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
38533-13 MS	1.94	5	6.54	92.0
38533-13 MSD	1.94	5	6.67	94.6
			RPD=	2.787

500109

QUALITY CONTROL

PH

Method: 150.1 EPA-600/4-84-017

QC Batch: 244

Matrix: WATER

LABORATORY CONTROL SAMPLES:

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

FIELD SAMPLE:

Precision	Replicate 1 Units	Replicate 2 Units
Lab No.	-----	-----

38384-17 7.42 7.50

500033

QUALITY CONTROL

pH

Method: 150.1 EPA-600/4-84-017

QC Batch: 247

Matrix: WATER

LABORATORY CONTROL SAMPLES:

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

FIELD SAMPLE:

Precision	Replicate 1 Units	Replicate 2 Units
Lab No.	-----	-----

38516-2 7.46 7.45

500040

QUALITY CONTROL

pH

Method: 150.1 EPA-600/4-84-017

QC Batch: 250

Matrix: WATER

LABORATORY CONTROL SAMPLES:

	True Value Units	Observed Value Units
LCS1	7.0	6.98
LCS2	7.0	6.99

FIELD SAMPLE:

Precision	Replicate 1 Units	Replicate 2 Units
Lab No.	-----	-----

38533-25 7.17 7.18

500041

QUALITY CONTROL

Chloride

Method: 325.1 EPA-600/4-84-017

QC Batch: 553

Matrix: WATER

METHOD BLANK:

Result
mg/L

< 1.00

LABORATORY CONTROL SAMPLES:

	True Value mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %
LCS1	200.0	196.871	98.4	0.5
LCS2	200.0	197.930	99.0	

FIELD SAMPLE:

Precision	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
Lab No.	-----	-----	-----	-----
38384-25	7.79	7.97	7.88	2.3

FIELD SAMPLE:

Accuracy	Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
Lab No.	-----	-----	-----	-----
38384-25 MS	7.79	50	57.91	100.2
38384-25 MSD	7.79	50	58.32	101.1
			RPD=	0.815

500045

QUALITY CONTROL

Chloride

Method: 325.1 EPA-600/4-84-017

QC Batch: 556

Matrix: WATER

METHOD BLANK:

	Result mg/L
<	1.00

LABORATORY CONTROL SAMPLES:

	True Value mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %
LCS1	200.0	197.449	98.7	0.2
LCS2	200.0	197.870	98.9	

FIELD SAMPLE:

Precision	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
Lab No.				
38533-31	13.33	13.03	13.18	2.3

FIELD SAMPLE:

Accuracy	Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
Lab No.				
38533-31 MS	13.33	50	67.46	108.3
38533-31 MSD	13.33	50	66.70	106.8
			RPD=	1.412

500050

QUALITY CONTROL

Chloride

Method: 325.1 EPA-600/4-84-017

QC Batch: 557 For: 38533
Matrix: WATER

METHOD BLANK:	Result mg/L

	< 1.00

LABORATORY CONTROL SAMPLES:		Accuracy	Precision	
	True Value mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %
LCS1	200.0	197.782	98.9	0.5
LCS2	200.0	198.794	99.4	

FIELD SAMPLE:

Precision		Relative Percent Difference		
Lab No.	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	%
38591-1	3.79	3.80	3.79	0.2

FIELD SAMPLE:

Accuracy		Spike Added mg/L	Spike Found mg/L	Recovery %
Lab No.	Replicate 1 mg/L			
38591-1 MS	3.79	50	54.56	101.5
38591-1 MSD	3.79	50	57.17	106.8
			RPD=	5.018

QUALITY CONTROL

Sulfate

Method: EPA-600 300.0 / SW846 9056

QC Batch: 545

Matrix: WATER

METHOD BLANK:

	Result mg/L
<	1.00

LABORATORY CONTROL SAMPLES:

	True Value mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %
LCS1	50.0	48.400	96.8	0.2
LCS2	50.0	48.300	96.6	

FIELD SAMPLE:

Precision	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
Lab No.				
38533-31	46.80	46.70	46.75	0.2

FIELD SAMPLE:

Accuracy	Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
Lab No.				
38533-31 MS	46.80	20	66.00	96.0
38533-31 MSD	46.80	20	65.30	92.5
			RPD=	3.714

500063

QUALITY CONTROL**Sulfate**

Method: EPA-600 300.0 / SW846 9056

QC Batch: 546 For: 38533

Matrix: WATER

METHOD BLANK:**Result**

mg/L

< 1.00

LABORATORY CONTROL SAMPLES:**Accuracy****Precision**

	True Value mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %
LCS1	50.0	49.200	98.4	0.4
LCS2	50.0	49.000	98.0	

FIELD SAMPLE:**Precision**

Lab No.	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
38513-2	1720.00	1680.00	1700.00	2.4

Accuracy

Lab No.	Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
38513-2	1720.00	1000	2780.00	106.0

500064

QUALITY CONTROL

Specific Conductance

Method: 120.1 EPA-600/4-84-017

QC Batch: 178 For: 38384

Matrix: Water

METHOD BLANK:**Result**

mg/L

1.73**LABORATORY CONTROL SAMPLES:****Accuracy****Precision**

	True Value mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %
LCS1	141.3	154.600	109.4	1.5
LCS2	141.3	152.300	107.8	

FIELD SAMPLE:

Precision	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
38351-16	799.00	794.00	796.50	0.6

QUALITY CONTROL**Specific Conductance**

Method: 120.1 EPA-600/4-84-017

QC Batch: 179

Matrix: WATER

METHOD BLANK:**Result**

mg/L

1.06**LABORATORY CONTROL SAMPLES:****Accuracy****Precision**

	True Value mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %
LCS1	141.3	152.400	107.9	0.5
LCS2	141.3	151.700	107.4	

FIELD SAMPLE:**Precision**

Lab No.

	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
38516-6	821.00	815.00	818.00	0.7

QUALITY CONTROL

Specific Conductance

Method: 120.1 EPA-600/4-84-017

QC Batch: 180

Matrix: WATER

METHOD BLANK:**Result**

mg/L

0.69**LABORATORY CONTROL SAMPLES:****Accuracy****Precision**

	True Value mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %
LCS1	141.3	142.100	100.6	1.4
LCS2	141.3	140.100	99.2	

FIELD SAMPLE:**Precision****Replicate 1 Replicate 2 Average Relative Percent**

Lab No.	mg/L	mg/L	mg/L	Difference %
38533-31	648.00	653.00	650.50	0.8

500101

QUALITY CONTROL

Nitrate plus Nitrite Nitrogen (combined)

Method: 353.2 EPA-600/4-84-017

QC Batch: 529
Matrix: WATER

METHOD BLANK:	Result
	mg/L

	< 0.05

LABORATORY CONTROL SAMPLES:		Accuracy	Precision
	True Value mg/L	Observed Value mg/L	Relative Percent Difference %
	-----	-----	-----
LCS1	2.0	2.015	100.8
LCS2	2.0	1.970	98.5

FIELD SAMPLE:

Precision	Replicate 1	Replicate 2	Average	Relative Percent Difference
Lab No.	mg/L	mg/L	mg/L	%
-----	-----	-----	-----	-----
38516-1	< 0.05	< 0.05	NC	NC

FIELD SAMPLE:

Accuracy	Replicate 1	Spike Added mg/L	Spike Found mg/L	Recovery %
Lab No.	mg/L	mg/L	mg/L	%
-----	-----	-----	-----	-----
38516-1 MS	< 0.05	1.45	1.49	102.8
38516-1 MSD	< 0.05	1.45	1.40	96.2
			RPD=	6.586

NC = Not calculable due to result below detection limit.

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

QC Batch: 531
Matrix: WATER

METHOD BLANK: Result
 mg/L

 < 0.05

LABORATORY CONTROL SAMPLES:		Accuracy	Precision	
	True Value mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %
LCS1	2.0	1.927	96.4	1.0
LCS2	2.0	1.908	95.4	

FIELD SAMPLE:

Precision	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
Lab No.				
38533-37	0.33	0.34	0.33	2.1

FIELD SAMPLE:

Accuracy	Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
Lab No.				
38533-37 MS	0.33	1	1.31	98.4
38533-37 MSD	0.33	1	1.30	97.4
			RPD=	1.021

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QUALITY CONTROL DATA

December 09, 1993

PACE Project Number: 131117500

Client Reference: N31111524 SEN10

Total Organic Halogen

Batch: 97 33684

Samples: 97 0105433, 97 0105450

METHOD BLANK AND SAMPLE DUPLICATE:

Parameter	Units	MDL	Method	970105433	Duplicate	
	mg/L	0.01	Blank	38384-10	of	
		ND	MW42D	ND	97 0105433	ND
Total Organic Halogen						RPD

SPIKE:

Parameter	Units	MDL	970105433	38384-10	Spike	
	mg/L	0.02	MW42D	ND	Recv	
		0.10			80%	
Total Organic Halogen						

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

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

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QUALITY CONTROL DATA

December 09, 1993

PACE Project Number: 131117500

Client Reference: N31111524 SEN10

Total Organic Halogen

Batch: 97 33686

Samples: 97 0105425, 97 0105441, 97 0105468

METHOD BLANK AND SAMPLE DUPLICATE:

Parameter	Units	MDL	Method	970105441	Duplicate	
	mg/L		Blank	38384-11	of	
				MW37	97	0105441
Total Organic Halogen		0.01	ND	ND	ND	ND

SPIKE:

Parameter	Units	MDL	970105441	Spike
	mg/L		38384-11	Recv
			MW37	
Total Organic Halogen		0.02	ND	0.10

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

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

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QUALITY CONTROL DATA

December 09, 1993

PACE Project Number: 131117500

Client Reference: N31111524 SEN10

Total Organic Halogen

Batch: 97 33723

Samples: 97 0105484, 97 0110496, 97 0110518, 97 0110534

METHOD BLANK AND SAMPLE DUPLICATE:

Parameter	Units	MDL	Method Blank	970105484	Duplicate of	RPD
Total Organic Halogen	mg/L	0.01	ND	38384-15 MW40 ND	97 0105484 ND	NC

SPIKE:

Parameter	Units	MDL	970105484	38384-15	Spike Recv
Total Organic Halogen	mg/L	0.02	ND	MW40 0.10	80%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

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

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QUALITY CONTROL DATA

December 09, 1993

PACE Project Number: 131117500

Client Reference: N31111524 SEN10

Total Organic Halogen

Batch: 97 33724

Samples: 97 0105476, 97 0105492, 97 0110500, 97 0110526

METHOD BLANK AND SAMPLE DUPLICATE:

Parameter	Units	MDL	Method	970105476	Duplicate of	
Total Organic Halogen	mg/L	0.01	Blank	38384-14	97 0105476	RPD
		ND	MW39 ASH	0.02	ND	NC

SPIKE:

Parameter	Units	MDL	970105476	38384-14	Spike
Total Organic Halogen	mg/L	0.02	MW39 ASH	0.02	Recv
		0.10	0.10	80%	

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Dupl Recv	Dupl Recv	RPD %
Total Organic Halogen	mg/L	0.01	0.05	80%	80%	0%

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QUALITY CONTROL DATA

December 09, 1993
 PACE Project Number: 131117500

Client Reference: N31111524 SEN10

Total Organic Halogen

Batch: 97 33770

Samples: 97 0110542, 97 0110550, 97 0110763, 97 0110771

METHOD BLANK AND SAMPLE DUPLICATE:

Parameter	Units	MDL	Method	970110534	Duplicate of	
Total Organic Halogen	mg/L	0.01	Blank	38533-19	97 0110534	0.04

SPIKE:

Parameter	Units	MDL	970110534	PT-24	Spike	Recv
Total Organic Halogen	mg/L	0.02	38533-19	0.04	0.10	100%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Dupl Recv	Dupl Recv	RPD
Total Organic Halogen	mg/L	0.01	0.05	120%	120%	0%

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FOOTNOTES
for pages 8 through 12

December 09, 1993
PACE Project Number: 131117500

Client Reference: N31111524 SEN10

MDL Method Detection Limit
NC No calculation due to value below detection limit.
ND Not detected at or above the MDL.
RPD Relative Percent Difference

QUALITY CONTROL

Total Organic Carbon

Method: 415.1 EPA-600/4-84-017

QC Batch: 812 For: 38548

Matrix: WATER

METHOD BLANK:

	Result mg/L
<	1.00

LABORATORY CONTROL SAMPLES:

	True Value mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %
LCS1	5.0	4.410	88.2	5.7
LCS2	5.0	4.670	93.4	

FIELD SAMPLE:

Precision	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
Lab No.				
38467-9	20.60	20.90	20.75	1.4

FIELD SAMPLE:

Accuracy	Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
Lab No.				
38467-9 MS	20.60	50	76.20	111.2
38467-9 MSD	20.60	50	76.50	111.8
			RPD=	0.538

500018

QUALITY CONTROL

Total Organic Carbon

Method: 415.1 EPA-600/4-84-017

QC Batch: 814
Matrix: WATER

METHOD BLANK:	Result
	mg/L

	< 1.00

LABORATORY CONTROL SAMPLES:		Accuracy	Precision	
	True Value mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %
	-----	-----	-----	-----
LCS1	5.0	4.470	89.4	3.1
LCS2	5.0	4.610	92.2	

FIELD SAMPLE:

Precision		Relative Percent Difference		
Precision	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	%
Lab No.	-----	-----	-----	-----
38619-8	1.47	1.12	1.30	27.0

FIELD SAMPLE:

Accuracy		Spike Added mg/L	Spike Found mg/L	Recovery %
Lab No.	Replicate 1 mg/L	-----	-----	-----
38619-8 MS	1.47	5	6.51	100.8
38619-8 MSD	1.47	5	6.23	95.2
			RPD=	5.714

500014

QUALITY CONTROL

pH

Method: 150.1 EPA-600/4-84-017

QC Batch: 255

Matrix: WATER

LABORATORY CONTROL SAMPLES:

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

FIELD SAMPLE:

Precision	Replicate 1 Units	Replicate 2 Units
Lab No.	7.17	7.24

500080

QUALITY CONTROL

pH

Method: 150.1 EPA-600/4-84-017

QC Batch: 251

Matrix: Water

LABORATORY CONTROL SAMPLES:

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

FIELD SAMPLE:

Precision	Replicate 1 Units	Replicate 2 Units
Lab No.		

	-----	-----
38548-33	7.07	7.12

500031

QUALITY CONTROL

Chloride

Method: 325.1 EPA-600/4-84-017

QC Batch: 557 For: 38548

Matrix: WATER

METHOD BLANK:

	Result mg/L
<	1.00

LABORATORY CONTROL SAMPLES:

	True Value mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %
LCS1	200.0	197.782	98.9	0.5
LCS2	200.0	198.794	99.4	

FIELD SAMPLE:

Precision	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
Lab No.				
-----	-----	-----	-----	-----
38591-1	3.79	3.80	3.79	0.2

FIELD SAMPLE:

Accuracy	Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
Lab No.				
-----	-----	-----	-----	-----
38591-1 MS	3.79	50	54.56	101.5
38591-1 MSD	3.79	50	57.17	106.8
			RPD= 5.018	

500037

QUALITY CONTROL

Chloride

Method: 325.1 EPA-600/4-84-017

QC Batch: 560

Matrix: WATER

METHOD BLANK:

Result
mg/L

< 1.00

LABORATORY CONTROL SAMPLES:

	True Value mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %
-----	-----	-----	-----	-----
LCS1	200.0	197.994	99.0	0.5
LCS2	200.0	198.948	99.5	

FIELD SAMPLE:

Precision	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
-----	-----	-----	-----	-----
38619-26	42.10	42.48	42.29	0.9

FIELD SAMPLE:

Accuracy	Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
-----	-----	-----	-----	-----
38619-26 MS	42.10	50	95.89	107.6
38619-26 MSD	42.10	50	93.86	103.5
			RPD= 3.843	

500036

QUALITY CONTROL

Sulfate

Method: EPA-600 300.0 / SW846 9056

QC Batch: 547 **For:** 38548

Matrix: WATER

METHOD BLANK:

Result

mg/L

< 1.00

LABORATORY CONTROL SAMPLES:

Accuracy

Precision

	True Value mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %
LCS1	50.0	47.500	95.0	0.4
LCS2	50.0	47.300	94.6	

500046

QUALITY CONTROL

Sulfate

Method: EPA-600 300.0 / SW846 9056

QC Batch: 548 For: 38548
Matrix: WATER

METHOD BLANK:	Result mg/L
	< 1.00

LABORATORY CONTROL SAMPLES:		Accuracy	Precision	
	True Value mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %
LCS1	50.0	48.100	96.2	2.3
LCS2	50.0	49.200	98.4	

FIELD SAMPLE:

Precision	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
Lab No.				
38467-15	190.00	173.00	181.50	9.4

FIELD SAMPLE:

Accuracy	Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
Lab No.				
38467-15 MS	190.00	100	304.00	114.0
38467-15 MSD	190.00	100	334.00	144.0
			RPD= 23.256	

500086

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

QC Batch: 551 For: 38619
Matrix: SOLID

METHOD BLANK: Result
ug/g

< 10.00

LABORATORY CONTROL SAMPLES:		Accuracy	Precision	
	True Value ug/g	Observed Value ug/g	Recovery %	Relative Percent Difference %
LCS1	500.0	493.000	98.6	0.8
LCS2	500.0	489.000	97.8	

FIELD SAMPLE:

Precision	Replicate 1 ug/g	Replicate 2 ug/g	Average ug/g	Relative Percent Difference %
Lab No.				
38562-1	6536.01	6675.29	6605.65	2.1

FIELD SAMPLE:

Accuracy	Replicate 1 ug/g	Spike Added ug/g	Spike Found ug/g	Recovery %
Lab No.				
38562-1 MS SNR	6536.01	1000	7570.63	103.5
38562-1 MSD SNR	6536.01	1000	7520.89	98.5
			RPD= 4.926	

QUALITY CONTROL QUALIFIER STATEMENT

The sample results used to generate quality control information for solid samples are uncorrected for dry weight. This does not affect the results reported for percent of spike recovery and relative percent difference.

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

500051

QUALITY CONTROL

Sulfate

Method: EPA-600 300.0 / SW846 9056

QC Batch: 553

Matrix: WATER

METHOD BLANK:

	Result mg/L
<	1.00

LABORATORY CONTROL SAMPLES:

	True Value mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %
LCS1	50.0	51.800	103.6	3.1
LCS2	50.0	50.200	100.4	

FIELD SAMPLE:

Precision	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
Lab No.				
38619-26	40.90	42.10	41.50	2.9

FIELD SAMPLE:

Accuracy	Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
Lab No.				
38619-26 MS SNR	40.90	10	50.60	97.0
38619-26 MSD SNR	40.90	10	50.00	91.0
			RPD=	6.383

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

50000

QUALITY CONTROL

Specific Conductance

Method: 120.1 EPA-600/4-84-017

QC Batch: 181

Matrix: WATER

METHOD BLANK:**Result**

mg/L

1.72**LABORATORY CONTROL SAMPLES:****Accuracy****Precision**

	True Value mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %
LCS1	141.3	146.000	103.3	0.7
LCS2	141.3	145.000	102.6	

FIELD SAMPLE:**Precision**

Lab No.

Replicate 1
mg/LReplicate 2
mg/LAverage
mg/L**Relative Percent**Difference
%

38548-43

944.00

946.00

945.00

0.2

50000

QUALITY CONTROL

Specific Conductance

Method: 120.1 EPA-600/4-84-017

QC Batch: 182

Matrix: WATER

METHOD BLANK:**Result**

mg/L

1.18**LABORATORY CONTROL SAMPLES:****Accuracy****Precision**

	True Value mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %
LCS1	141.3	144.7	102.4	1.7
LCS2	141.3	147.2	104.2	

FIELD SAMPLE:**Precision**

Lab No.

	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
38619-26	583.00	575.00	579.00	1.4

5000g

QUALITY CONTROL

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

QC Batch: 531 For: 38548
 Matrix: WATER

METHOD BLANK:	Result mg/L

	< 0.05

LABORATORY CONTROL SAMPLES:		Accuracy	Precision	
	True Value mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %
LCS1	2.0	1.927	96.4	1.0
LCS2	2.0	1.908	95.4	

FIELD SAMPLE:

Precision	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
Lab No.				
38533-37	0.33	0.34	0.33	2.1

FIELD SAMPLE:

Accuracy	Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
Lab No.				
38533-37 MS	0.33	1	1.31	98.4
38533-37 MSD	0.33	1	1.30	97.4
			RPD=	1.021

500098

QUALITY CONTROL

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

QC Batch: 533
 Matrix: WATER

METHOD BLANK:	Result mg/L

	< 0.05

LABORATORY CONTROL SAMPLES:		Accuracy	Precision	
	True Value mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %
LCS1	2.0	2.172	108.6	0.6
LCS2	2.0	2.160	108.0	

FIELD SAMPLE:

Precision	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
Lab No.				
38619-32	0.31	0.32	0.32	4.4

FIELD SAMPLE:

Accuracy	Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
Lab No.				
38619-32 MS	0.31	1	1.33	102.2
38619-32 MSD	0.31	1	1.34	102.6
			RPD=	0.391

500098

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QUALITY CONTROL DATA

December 15, 1993

PACE Project Number: 131206502

Client Reference: Seneca Army Depot SDG-SEN11

Total Organic Halogen

Batch: 97 33879

Samples: 97 0112960, 97 0112979, 97 0112987, 97 0112995, 97 0113002

METHOD BLANK AND SAMPLE DUPLICATE:

Parameter	Units	MDL	Method Blank	970112979	Duplicate of	RPD
	mg/L	0.01	ND	38548-29	97 0112979	NC
Total Organic Halogen					ND	

SPIKE:

Parameter	Units	MDL	970112979	Spike Recv
	mg/L	0.02	38548-29	80%
Total Organic Halogen			ND	0.10

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Dupl Recv	Dupl Recv	RPD
	mg/L	0.01	0.05	120%	120%	0%
Total Organic Halogen						

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QUALITY CONTROL DATA

December 15, 1993

PACE Project Number: 131206502

Client Reference: Seneca Army Depot SDG-SEN11

Total Organic Halogen

Batch: 97 33911

Samples: 97 0112928, 97 0112944, 97 0113010, 97 0113037, 97 0113053

METHOD BLANK AND SAMPLE DUPLICATE:

Parameter	Units	MDL	Method	970113010	Duplicate of	RPD
Total Organic Halogen	mg/L	0.01	Blank	38619-14	97 0113010	NC
		ND	ND		ND	

SPIKE:

Parameter	Units	MDL	970113010	Spike Recv
Total Organic Halogen	mg/L	0.02	38619-14	0.10 80%
		ND		

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Dupl Recv	Dupl Recv	RPD
Total Organic Halogen	mg/L	0.01	0.05	80%	80%	0%
		ND				

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QUALITY CONTROL DATA

December 15, 1993

PACE Project Number: 131206502

Client Reference: Seneca Army Depot SDG-SEN11

Total Organic Halogen

Batch: 97 33912

Samples: 97 0112936, 97 0112952, 97 0113029, 97 0113045, 97 0113061
 97 0114289

METHOD BLANK AND SAMPLE DUPLICATE:

Parameter	Units	MDL	Method	970112952	Duplicate of	RPD
	mg/L		Blank	38548-27	97 0112952	NC
Total Organic Halogen		0.01	ND	ND	ND	

SPIKE:

Parameter	Units	MDL	970112952	Spike	Spike Recv
	mg/L		38548-27	ND	80%
Total Organic Halogen		0.02	0.10		

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Dupl Recv	Dupl Recv	RPD
	mg/L		0.05	80%	80%	0%
Total Organic Halogen		0.01				

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FOOTNOTES
for pages 8 through 10

December 15, 1993
PACE Project Number: 131206502

Client Reference: Seneca Army Depot SDG-SEN11

MDL Method Detection Limit
NC No calculation due to value below detection limit.
ND Not detected at or above the MDL.
RPD Relative Percent Difference

QUALITY CONTROL

Total Organic Carbon

Method: 415.1 EPA-600/4-84-017

QC Batch: 815 For: 38635
Matrix: WATER

METHOD BLANK:	Result
	mg/L

	< 1.00

LABORATORY CONTROL SAMPLES:		Accuracy	Precision
True Value	Observed Value	Recovery %	Relative Percent Difference %
mg/L	mg/L	%	%
-----	-----	-----	-----
LCS1	5.0	4.650	93.0
LCS2	5.0	5.010	100.2
			7.5

FIELD SAMPLE:

Precision	Replicate 1	Replicate 2	Average	Relative Percent Difference
Lab No.	mg/L	mg/L	mg/L	%
-----	-----	-----	-----	-----
38638-17	< 1.00	< 1.00	NC	NC

FIELD SAMPLE:

Accuracy	Replicate 1	Spike Added	Spike Found	Recovery
Lab No.	mg/L	mg/L	mg/L	%
-----	-----	-----	-----	-----
38638-17 MS	< 1.00	5	6.64	114.4
38638-17 MSD	< 1.00	5	6.84	118.4
			RPD=	3.436

NC = Not calculable due to result below detection limit.

500016

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

QC Batch: 821
Matrix: WATER

METHOD BLANK: Result
mg/L

< 1.00

LABORATORY CONTROL SAMPLES:		Accuracy	Precision	
	True Value mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %
LCS1	5.0	4.800	96.0	0.8
LCS2	5.0	4.840	96.8	

FIELD SAMPLE:

Precision		Relative Percent Difference		
Lab No.	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	%
38668-6	2.99	2.51	2.75	17.5

FIELD SAMPLE:

Accuracy		Spike Added mg/L	Spike Found mg/L	Recovery %
Lab No.	Replicate 1 mg/L			
38668-6 MS	2.99	5	7.10	82.2
38668-6 MSD	2.99	5	7.45	89.2
			RPD=	8.168

500017

QUALITY CONTROL

pH

Method: 150.1 EPA-600/4-84-017

QC Batch: 257 For: 38642

Matrix: WATER

LABORATORY CONTROL SAMPLES:

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

500118

QUALITY CONTROL

PH

Method: 150.1 EPA-600/4-84-017

QC Batch: 258 For: 38656

Matrix: WATER

LABORATORY CONTROL SAMPLES:

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

500119

QUALITY CONTROL

pH

Method: 150.1 EPA-600/4-84-017

QC Batch: 259

Matrix: WATER

LABORATORY CONTROL SAMPLES:

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

FIELD SAMPLE:

Precision	Replicate 1 Units	Replicate 2 Units
Lab No.		

	-----	-----
38668-21	7.02	7.05

500120

QUALITY CONTROL

Chloride

Method: 325.1 EPA-600/4-84-017

QC Batch: 560 For: 38635
Matrix: WATER**METHOD BLANK:****Result**

mg/L

< 1.00

LABORATORY CONTROL SAMPLES:

	Accuracy		Precision	
	True Value mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %
LCS1	200.0	197.994	99.0	0.5
LCS2	200.0	198.948	99.5	

FIELD SAMPLE:

Precision	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
Lab No.	42.10	42.48	42.29	0.9

FIELD SAMPLE:

Accuracy	Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
Lab No.				
38619-26 MS	42.10	50	95.89	107.6
38619-26 MSD	42.10	50	93.86	103.5

RPD= 3.843

500039

QUALITY CONTROL

Chloride

Method: 325.1 EPA-600/4-84-017

QC Batch: 561

Matrix: WATER

METHOD BLANK:

	Result
	mg/L
<	1.00

LABORATORY CONTROL SAMPLES:

	True Value mg/L	Observed Value mg/L	Recovery %	Accuracy	Precision
	-----	-----	-----	Relative Percent Difference	-----
LCS1	200.0	197.953	99.0		0.5
LCS2	200.0	197.024	98.5		

FIELD SAMPLE:

Precision	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
Lab No.	-----	-----	-----	-----
38668-11	26.55	26.45	26.50	0.4

FIELD SAMPLE:

Accuracy	Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
Lab No.	-----	-----	-----	-----
38668-11 MS	26.55	50	77.42	101.7
38668-11 MSD	26.55	50	76.84	100.6

RPD= 1.157

500040

QUALITY CONTROL

Chloride

Method: 325.1 EPA-600/4-84-017

QC Batch: 562
Matrix: WATER

METHOD BLANK:

	Result mg/L
<	1.00

LABORATORY CONTROL SAMPLES:

	True Value mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %
LCS1	200.0	201.844	100.9	2.2
LCS2	200.0	197.370	98.7	

FIELD SAMPLE:

Precision	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
Lab No.				
38668-12	3.80	3.51	3.66	8.2

FIELD SAMPLE:

Accuracy	Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
Lab No.				
38668-12 MS	3.80	50	53.50	99.4
38668-12 MSD	3.80	50	54.08	100.5
			RPD=	1.152

500041

QUALITY CONTROL

Sulfate

Method: EPA-600 300.0 / SW846 9056

QC Batch: 552 For: 38635
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	47.100	94.2	0.6
LCS2	50.0	46.800	93.6	

FIELD SAMPLE:

Precision	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
Lab No.				
38619-26	40.90	42.10	41.50	2.9

FIELD SAMPLE:

Accuracy	Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Precision Recovery %
Lab No.				
38619-26 MS SNR	40.90	10	50.60	97.0
38619-26 MSD SNR	40.90	10	50.00	91.0
			RPD=	6.383

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

500055

QUALITY CONTROL

Sulfate

Method: EPA-600 300.0 / SW846 9056

QC Batch: 553 For: 38642

Matrix: WATER

METHOD BLANK:

	Result mg/L
<	1.00

LABORATORY CONTROL SAMPLES:

	True Value mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %
LCS1	50.0	51.800	103.6	3.1
LCS2	50.0	50.200	100.4	

FIELD SAMPLE:

Precision	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
Lab No.				
38619-26	40.90	42.10	41.50	2.9

FIELD SAMPLE:

Accuracy	Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
Lab No.				
38619-26 MS SNR	40.90	10	50.60	97.0
38619-26 MSD SNR	40.90	10	50.00	91.0
			RPD=	6.383

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

500056

QUALITY CONTROL

Sulfate

Method: EPA-600 300.0 / SW846 9056

QC Batch: 554

Matrix: WATER

METHOD BLANK:

Result
mg/L

< 1.00

LABORATORY CONTROL SAMPLES:

	True Value mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %
-----	-----	-----	-----	-----
LCS1	50.0	51.100	102.2	1.0
LCS2	50.0	50.600	101.2	

FIELD SAMPLE:

Precision	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
-----	-----	-----	-----	-----
38668-11	247.00	247.00	247.00	0.0

FIELD SAMPLE:

Accuracy	Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
-----	-----	-----	-----	-----
38668-11 MS	247.00	100	336.00	89.0
38668-11 MSD	247.00	100	338.00	91.0
			RPD= 2.222	

NC = Not calculable due to result below detection limit.

500057

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

QC Batch: 182 For: 38635
Matrix: WATER

METHOD BLANK: Result
mg/L

1.18

LABORATORY CONTROL SAMPLES:		Accuracy		Precision
True Value mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %	
LCS1 141.3	144.7	102.4	1.7	
LCS2 141.3	147.2	104.2		

FIELD SAMPLE:

Precision	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
Lab No.				
38619-26	583.00	575.00	579.00	1.4

500098

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

QC Batch: 183
Matrix: WATER

METHOD BLANK:	Result
	mg/L

	1.59

LABORATORY CONTROL SAMPLES:		Accuracy	Precision	
	True Value mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %
	-----	-----	-----	-----
LCS1	141.3	145.400	102.9	0.1
LCS2	141.3	145.600	103.0	

FIELD SAMPLE:

Precision	Replicate 1	Replicate 2	Average	Relative Percent Difference
Lab No.	mg/L	mg/L	mg/L	%
-----	-----	-----	-----	-----
38668-11	1025.00	1027.00	1026.00	0.2

500099

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

QC Batch: 535
Matrix: WATER

METHOD BLANK: Result
 mg/L

 < 0.05

LABORATORY CONTROL SAMPLES:		Accuracy	Precision	
	True Value mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %
LCS1	2.0	2.253	112.7	0.5
LCS2	2.0	2.241	112.1	

FIELD SAMPLE:

Precision		Relative Percent Difference		
Lab No.	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	%
38668-16	0.45	0.46	0.46	1.8

FIELD SAMPLE:

Accuracy		Spike Added mg/L	Spike Found mg/L	Recovery %
Lab No.	Replicate 1 mg/L			
38668-16 MS	0.45	1	1.62	117.0
38668-16 MSD	0.45	1	1.61	115.4
			RPD=	1.377

500104

QUALITY CONTROL

pH

Method: 150.1 EPA-600/4-84-017

QC Batch: 256 For: 38635

Matrix: WATER

LABORATORY CONTROL SAMPLES:

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

500117

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QUALITY CONTROL DATA

December 17, 1993

PACE Project Number: 131207502

Client Reference: N31204502/N31206503

Total Organic Halogen

Batch: 97 33956

Samples: 97 0114300, 97 0114327, 97 0114343, 97 0114360, 97 0116176

METHOD BLANK AND SAMPLE DUPLICATE:

Parameter	Units	MDL	Method	970114327	of	RPD
	mg/L		Blank	38635-16	97 0114327	
Total Organic Halogen		0.01	ND	ND	ND	NC

SPIKE:

Parameter	Units	MDL	970114327	Spike	Spike	Recv
	mg/L		38635-16	ND	0.10	100%
Total Organic Halogen		0.02				

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

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

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QUALITY CONTROL DATA

December 17, 1993
 PACE Project Number: 131207502

Client Reference: N31204502/N31206503

Total Organic Halogen

Batch: 97 33957

Samples: 97 0114297, 97 0114319, 97 0114335, 97 0114351, 97 0114378

METHOD BLANK AND SAMPLE DUPLICATE:

Parameter	Units	MDL	Method Blank	970114319	Duplicate of	RPD
	mg/L		ND	38635-15	97 0114319	NC
Total Organic Halogen		0.01	ND	0.02	ND	NC

SPIKE:

Parameter	Units	MDL	970114319	Spike Recv
	mg/L		38635-15	90%
Total Organic Halogen		0.02	0.02	0.10

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

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

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QUALITY CONTROL DATA

December 17, 1993
 PACE Project Number: 131207502

Client Reference: N31204502/N31206503

Total Organic Halogen

Batch: 97 33993

Samples: 97 0116184, 97 0116206, 97 0116222, 97 0116249, 97 0116265

METHOD BLANK AND SAMPLE DUPLICATE:

Parameter	Units	MDL	Method	970116222	Duplicate of	RPD
Total Organic Halogen	mg/L	0.01	Blank	38668-1	97 0116222	NC
		ND		0.02	ND	

SPIKE:

Parameter	Units	MDL	970116222	Spike	Recv
Total Organic Halogen	mg/L	0.02	38668-1	0.10	100%
		0.02	0.02	0.10	100%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Dupl Recv	RPD
Total Organic Halogen	mg/L	0.01	0.05	80%	0%
		0.01	0.05	80%	0%

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QUALITY CONTROL DATA

December 17, 1993

PACE Project Number: 131207502

Client Reference: N31204502/N31206503

Total Organic Halogen

Batch: 97 33994

Samples: 97 0116192, 97 0116214, 97 0116230, 97 0116257

METHOD BLANK AND SAMPLE DUPLICATE:

Parameter	Units	MDL	Method	970116214	Duplicate of		RPD
	mg/L		Blank	38656-7	97 0116214		
Total Organic Halogen		0.01	ND	ND	ND		NC

SPIKE:

Parameter	Units	MDL	970116214	Spike	Spike Recv
	mg/L		38656-7	0.10	90%
Total Organic Halogen		0.02	ND	0.10	90%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Dupl Recv	Dupl Recv	RPD
	mg/L		0.05	80%	80%	0%
Total Organic Halogen		0.01	0.05	80%	80%	0%

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FOOTNOTES
for pages 9 through 12

December 17, 1993
PACE Project Number: 131207502

Client Reference: N31204502/N31206503

MDL Method Detection Limit
NC No calculation due to value below detection limit.
ND Not detected at or above the MDL.
RPD Relative Percent Difference

