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

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D#10

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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	10 U	10 U	10 U	10 U	10 U	10 U	ND
PT-11	10 U	10 U	10 U	10 U	10 U	10 U	ND
PT-12	81	95	10 U	10 U	10 U	10 U	176
PT-15	10 U	10 U	10 U	10 U	10 U	10 U	ND
PT-16	10 U	10 U	10 U	10 U	10 U	10 U	ND
PT-17	12	100	10 U	10 U	10 U	10 U	112
PT-18	1000 U	9500	1000 U	1000 U	1000 U	1000 U	9500
PT-19	10 U	10 U	10 U	10 U	10 U	10 U	ND
PT-20	40	31	10 U	10 U	10 U	10 U	71
PT-21	18	5 J	10 U	10 U	10 U	10 U	23
PT-22	140	92	10 U	10 U	10 U	5 J	237
PT-23	10 U	10 U	10 U	10 U	10 U	10 U	ND
PT-24	72	4 J	10 U	10 U	10 U	10 U	76
PT-25	10 U	10 U	10 U	10 U	10 U	10 U	ND
PT-26	10 U	10 U	10 U	10 U	10 U	10 U	ND
MW-27	10 U	10 U	10 U	10 U	10 U	10 U	ND
MW-28	43	28	10 U	10 U	10 U	10 U	71
MW-29	63	10 U	10 U	10 U	10 U	10 U	63
MW-30	10 U	10 U	10 U	10 U	10 U	10 U	ND
MW-31	10 U	10 U	10 U	10 U	10 U	10 U	ND
MW-32	10 U	10 U	10 U	10 U	10 U	10 U	ND
MW-33	10 U	10 U	10 U	10 U	10 U	10 U	ND
MW-34	10 U	10 U	10 U	10 U	10 U	10 U	ND
MW-35D	10 U	10 U	10 U	10 U	10 U	10 U	ND
MW-36	10 U	10 U	10 U	10 U	10 U	10 U	ND
MW-37	10 U	10 U	10 U	10 U	10 U	10 U	ND
MW-38D	10 U	10 U	10 U	10 U	10 U	10 U	ND
MW-39	10 U	10 U	10 U	10 U	10 U	10 U	ND
MW-40	10 U	10 U	10 U	10 U	10 U	10 U	ND
MW-41D	10 U	10 U	10 U	10 U	10 U	10 U	ND
MW-42D	10 U	10 U	10 U	10 U	10 U	10 U	ND
FH-S	1 U	1 U	1 U	1 U	1 U	1 U	1 U
FH-D	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BRN-S	1 U	1 U	1 U	1 U	1 U	1 U	1 U

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 (TCL)**

COMPOUND	UNITS	MATRIX	LOCATION	DATE SAMPLED	DATE ANALYZED	ES ID	LAB ID	WATER		WATER		WATER	
								ASH	ASH	ASH	ASH	ASH	ASH
CHLOROMETHANE	ug/L	AL4QMVOC.WK3		11/19/93	11/20/93			10	10	10	10	10	10
BROMOMETHANE	ug/L			11/24/93	11/25/93			10	10	10	10	10	10
VINYL CHLORIDE	ug/L					PT-10		10	10	10	10	10	10
CHLOROETHANE	ug/L					PT-11		10	10	10	10	10	10
METHYLENE CHLORIDE	ug/L					38518-1		10	10	10	10	10	10
ACETONE	ug/L					38518-4		10	10	10	10	10	10
CARBON DISULFIDE	ug/L					38518-4		10	10	10	10	10	10
1,1-DICHLOROETHENE	ug/L					38518-4		10	10	10	10	10	10
1,1-DICHLOROETHANE	ug/L					38518-4		10	10	10	10	10	10
1,2-DICHLOROETHENE	ug/L					38518-4		10	10	10	10	10	10
CHLOROFORM	ug/L					38518-4		10	10	10	10	10	10
1,2-DICHLOROETHANE	ug/L					38518-4		10	10	10	10	10	10
2-BUTANONE	ug/L					38518-4		10	10	10	10	10	10
1,1,1-TRICHLOROETHANE	ug/L					38518-4		10	10	10	10	10	10
CARBON TETRACHLORIDE	ug/L					38518-4		10	10	10	10	10	10
BROMODICHLOROMETHANE	ug/L					38518-4		10	10	10	10	10	10
1,2-DICHLOROPROPANE	ug/L					38518-4		10	10	10	10	10	10
Cis-1,3-DICHLOROPROPENE	ug/L					38518-4		10	10	10	10	10	10
TRICHLOROETHENE	ug/L					38518-4		10	10	10	10	10	10
DIBROMOCHLOROMETHANE	ug/L					38518-4		10	10	10	10	10	10
BENZENE	ug/L					38518-4		10	10	10	10	10	10
TRANS-1,3-DICHLOROPROPENE	ug/L					38518-4		10	10	10	10	10	10
BROMOFORM	ug/L					38518-4		10	10	10	10	10	10
4-METHYL-2-PENTANONE	ug/L					38518-4		10	10	10	10	10	10
2-HEXANOINE	ug/L					38518-4		10	10	10	10	10	10
TETRACHLOROETHENE	ug/L					38518-4		10	10	10	10	10	10
1,1,2,2-TETRACHLOROETHANE	ug/L					38518-4		10	10	10	10	10	10
TOLUENE	ug/L					38518-4		10	10	10	10	10	10
CHLOROBENZENE	ug/L					38518-4		10	10	10	10	10	10
XYLENE(S TOTAL)	ug/L					38518-4		10	10	10	10	10	10

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

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

**ASH LANDFILL FOURTH QUARTER 1863 MONITORING
VALIDATED VOLATILE ANALYSIS RESULTS (TCL)**

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

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

COMPOUND	UNITS	MATRIX	LOCATION	DATE SAMPLED	DATE ANALYZED	ES ID	LAB ID	WATER		WATER		WATER	
								ASH	ASH	ASH	ASH	ASH	ASH
CHLOROMETHANE	ug/L	AL4QM/VOC WK3		11/09/93	11/10/93			10	10	10	10	10	10
BROMOMETHANE	ug/L			11/17/93	11/16/93			10	10	10	10	10	10
VINYL CHLORIDE	ug/L			MW-39	MW-40			10	10	10	10	10	10
CHLOROETHANE	ug/L			38384-46	38384-49			10	10	10	10	10	10
METHYLENE CHLORIDE	ug/L							10	10	10	10	10	10
ACETONE	ug/L							10	10	10	10	10	10
CARBON DISULFIDE	ug/L							10	10	10	10	10	10
1,1-DICHLOROETHENE	ug/L							10	10	10	10	10	10
1,1-DICHLOROETHANE	ug/L							10	10	10	10	10	10
1,2-DICHLOROETHENE	ug/L							10	10	10	10	10	10
CHLOROFORM	ug/L							10	10	10	10	10	10
1,2-DICHLOROETHANE	ug/L							10	10	10	10	10	10
2-BUTANONE	ug/L							10	10	10	10	10	10
1,1,1-TRICHLOROETHANE	ug/L							10	10	10	10	10	10
CARBON TETRACHLORIDE	ug/L							10	10	10	10	10	10
BROMODICHLOROMETHANE	ug/L							10	10	10	10	10	10
1,2-DICHLOROPROPANE	ug/L							10	10	10	10	10	10
CIS-1,3-DICHLOROPROPENE	ug/L							10	10	10	10	10	10
TRICHLOROETHENE	ug/L							10	10	10	10	10	10
DIBROMOCHLOROMETHANE	ug/L							10	10	10	10	10	10
1,1,2-TRICHLOROETHANE	ug/L							10	10	10	10	10	10
BENZENE	ug/L							10	10	10	10	10	10
TRANS-1,3-DICHLOROPROPENE	ug/L							10	10	10	10	10	10
BROMOFORM	ug/L							10	10	10	10	10	10
4-METHYL-2-PENTANONE	ug/L							10	10	10	10	10	10
2-HEXANONE	ug/L							10	10	10	10	10	10
TETRACHLOROETHENE	ug/L							10	10	10	10	10	10
1,1,2,2-TETRACHLOROETHANE	ug/L							10	10	10	10	10	10
TOLUENE	ug/L							10	10	10	10	10	10
CHLOROBENZENE	ug/L							10	10	10	10	10	10
ETHYL BENZENE	ug/L							10	10	10	10	10	10
STYRENE	ug/L							10	10	10	10	10	10
XYLENES(TOTAL)	ug/L							10	10	10	10	10	10

**ASH LANDFILL FOURTH QUARTER 1983 MONITORING
VALIDATED VOLATILE ANALYSIS RESULTS (TCL)**

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

COMPOUND	UNITS	LAB ID	ES ID	DATE ANALYZED	LOCATION	MATRIX	WATER	ASH	WATER	ASH	WATER	ASH	WATER	ASH
							11/22/93	11/30/93	12/01/93	12/07/93	12/07/93	12/07/93	11/23/93	11/30/93
CHLOROMETHANE	ug/L						10	10	10	10	10	10	10	10
BROMOMETHANE	ug/L						10	10	10	10	10	10	10	10
VINYL CHLORIDE	ug/L						10	10	10	10	10	10	10	10
CHLOROETHANE	ug/L						10	10	10	10	10	10	10	10
METHYLENE CHLORIDE	ug/L						10	10	10	10	10	10	10	10
ACETONE	ug/L						10	10	10	10	10	10	10	10
CARBON DISULFIDE	ug/L						10	10	10	10	10	10	10	10
1,1-DICHLOROETHENE	ug/L						10	10	10	10	10	10	10	10
1,1,1-TRICHLOROETHANE	ug/L						10	10	10	10	10	10	10	10
1,1,2-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

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**ASH LANDFILL FOURTH QUARTER 1993 MONITORING
VALIDATED VOLATILE ANALYSIS RESULTS (824-2)**

CAS No.	COMPOUND	VOLATILE ORGANIC COMPOUNDS						
		MATRIX	SITE	DATE SAMPLED	DATE ANALYZED	ES ID	LAB ID	UNITS
74-97-3	Chloromethane	WATER	ASH	11/15/93	11/24/93	FH-S	204569	up/L
63-20-6	1,1,1,2-Tetrachloroethane	WATER	ASH	11/15/93	11/24/93	FH-D	204569	1 u
74-63-9	Bromomethane	WATER	ASH	11/15/93	11/24/93	BRN-S	204569	1 u
78-34-6	1,1,2,2-Tetrachloroethane	WATER	ASH	11/15/93	11/24/93	TB	204569	1 u
76-71-0	Dichlorofluoromethane	WATER	ASH	11/15/93	11/24/93			1 u
95-18-4	1,2,2-Trichloropropane	WATER	ASH	11/15/93	11/24/93			1 u
76-01-4	Vinyl chloride	WATER	ASH	11/15/93	11/24/93			1 u
127-18-4	Tetrachloroethene	WATER	ASH	11/15/93	11/24/93			1 u
76-00-3	Chloroethane	WATER	ASH	11/15/93	11/24/93			1 u
96-12-8	1,2-Dibromo-3-chloropropane	WATER	ASH	11/15/93	11/24/93			1 u
76-09-2	Methylene chloride	WATER	ASH	11/15/93	11/24/93			1 u
87-68-3	Hexachlorobutadiene	WATER	ASH	11/15/93	11/24/93			1 u
76-69-4	Trichlorofluoromethane	WATER	ASH	11/15/93	11/24/93			1 u
71-43-2	Benzene	WATER	ASH	11/15/93	11/24/93			1 u
76-38-4	1,1-Dichloroethene	WATER	ASH	11/15/93	11/24/93			1 u
108-88-3	Toluene	WATER	ASH	11/15/93	11/24/93			1 u
74-97-5	Bromochloromethane	WATER	ASH	11/15/93	11/24/93			1 u
108-90-7	Chlorobenzene	WATER	ASH	11/15/93	11/24/93			1 u
76-34-3	1,1-Dichloroethane	WATER	ASH	11/15/93	11/24/93			1 u
100-41-4	Ethylbenzene	WATER	ASH	11/15/93	11/24/93			1 u
108-59-4	1,2-Dichloroethene (cis)	WATER	ASH	11/15/93	11/24/93			1 u
108-85-1	Bromobenzene	WATER	ASH	11/15/93	11/24/93			1 u
168-00-6	1,2-Dichloroethene (trans)	WATER	ASH	11/15/93	11/24/93			1 u
98-62-8	Isopropylbenzene	WATER	ASH	11/15/93	11/24/93			1 u
67-65-3	Chloroform	WATER	ASH	11/15/93	11/24/93			1 u
1330-20-7	Xylene (tolu)	WATER	ASH	11/15/93	11/24/93			1 u
74-93-3	Dibromomethane	WATER	ASH	11/15/93	11/24/93			1 u
100-42-6	Styrene	WATER	ASH	11/15/93	11/24/93			1 u
107-08-2	1,2-Dichloroethane	WATER	ASH	11/15/93	11/24/93			1 u
108-43-4	Carban Tetraiodide	WATER	ASH	11/15/93	11/24/93			1 u
103-05-1	4-Chlorobutene	WATER	ASH	11/15/93	11/24/93			1 u
580-20-7	Bromodichloromethane	WATER	ASH	11/15/93	11/24/93			1 u
135-99-8	85-Buylbenzene	WATER	ASH	11/15/93	11/24/93			1 u
98-08-6	tert-Buylbenzene	WATER	ASH	11/15/93	11/24/93			1 u
71-55-6	1,1,1-Trifluoroethane	WATER	ASH	11/15/93	11/24/93			1 u
95-49-5	2-Chloroethane	WATER	ASH	11/15/93	11/24/93			1 u
68-23-6	Carbon Tetrachloride	WATER	ASH	11/15/93	11/24/93			1 u
108-43-4	4-Chlorobutene	WATER	ASH	11/15/93	11/24/93			1 u
76-27-4	Bromodichloromethane	WATER	ASH	11/15/93	11/24/93			1 u
135-99-8	85-Buylbenzene	WATER	ASH	11/15/93	11/24/93			1 u
78-67-6	1,2-Dichloropropane	WATER	ASH	11/15/93	11/24/93			1 u
641-73-1	1,3-Dichlorobenzene	WATER	ASH	11/15/93	11/24/93			1 u
583-56-6	1,1-Dichloropropane	WATER	ASH	11/15/93	11/24/93			1 u
95-50-1	1,2-Dichlorobenzene	WATER	ASH	11/15/93	11/24/93			1 u
10081-01-5	ca-1,3-Dichloropropane	WATER	ASH	11/15/93	11/24/93			1 u
108-48-7	1,4-Dichlorobenzene	WATER	ASH	11/15/93	11/24/93			1 u
10081-02-6	trans-1,3-Dichloropropane	WATER	ASH	11/15/93	11/24/93			1 u
99-07-6	1,4-Cyclohexadiene	WATER	ASH	11/15/93	11/24/93			1 u
79-01-6	Trichloroethene	WATER	ASH	11/15/93	11/24/93			1 u
120-82-1	1,2,4-Trichlorobenzene	WATER	ASH	11/15/93	11/24/93			1 u
108-93-4	1,2-Dibromoethane	WATER	ASH	11/15/93	11/24/93			1 u
67-61-6	1,2,3-Trichlorobenzene	WATER	ASH	11/15/93	11/24/93			1 u
75-26-2	Bromodorm	WATER	ASH	11/15/93	11/24/93			1 u
91-20-3	Naphthalene	WATER	ASH	11/15/93	11/24/93			1 u
67-64-1	Acetone	WATER	ASH	11/15/93	11/24/93			1 u
78-93-3	2-Butanone	WATER	ASH	11/15/93	11/24/93			1 u
108-10-1	4-Methyl-2-Pentanone	WATER	ASH	11/15/93	11/24/93			1 u
591-78-6	2-Hexanone	WATER	ASH	11/15/93	11/24/93			1 u

(tip blank)

**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:	Ganson		Ganson		Ganson		Ganson		NET		NET	
		Aug 1987	Oct 1987	Mar 1989	Sept 1989	Jan 1990	Mar 1990	June 1990	Sept 1990	Dec 1990	NET	NET	
DLATILE ORGANICS													
methane	ug/L	<5	<5	10U	50U	<1.0	<5.0	<5.0	<5.0	51.0	<10	<1.0	<10
ethane	ug/L	<5	<5	5U	50U	<1.0	<5.0	<5.0	<5.0	<1.0	<10	<1.0	<10
propane	ug/L	<5	<5	10U	17	7	<2.0	<2.0	<2.0	140	<10	<1.0	<10
butane	ug/L	<5	<5	10U	50U	<1.0	<5.0	<5.0	<5.0	<1.0	<10	<1.0	<10
chloride	ug/L	<5	<5	5U	25U	<1.0	<5.0	<5.0	<5.0	<1.0	<10	<1.0	<10
chloroethane	ug/L	<5	<5	5U	25U	<1.0	<5.0	<5.0	<5.0	<1.0	<10	<1.0	<10
chloroethene	ug/L	<5	<5	5U	25U	<1.0	<5.0	<5.0	<5.0	<1.0	<10	<1.0	<10
ethene	ug/L	<5	<5	5U	25U	<1.0	<5.0	<5.0	<5.0	<1.0	<10	<1.0	<10
ethane	ug/L	1700	94	68	950	129	100	790	3100	870	<1.0	<1.0	<1.0
ethene	ug/L	<5	<5	5U	25U	<1.0	<5.0	<5.0	<5.0	<1.0	<10	<1.0	<10
methane	ug/L	<5	<5	5U	25U	<1.0	<5.0	<5.0	<5.0	<1.0	<10	<1.0	<10
methane	ug/L	95.0	5U	25U	<1.0	<5.0	<5.0	<5.0	<5.0	<1.0	<10	<1.0	<10
Dichloroethene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene Dichloroethene Dichloroethene (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	NET	GTC	ES	ES	ES
			June 1991	Sept 1991	Dec 1991	Mar 1992	Dec 1992	Sept 1992	Dec 1992	July 1993
DLATILE ORGANICS										
methane		ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	5U	20U
ethane		ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	5U	20U
propane		ug/L	35	160	1.5	<1.0	14	<1.0	5U	9
butane		ug/L	30.0	<1.0	<1.0	<1.0	<1.0	<1.0	5U	20U
chloride		ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	5U	20U
chloroethane		ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	5U	20U
chloroethene		ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	5U	20U
1,1-dichloroethene		ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	5U	20U
1,1-dichloroethane		ug/L	<10	7.2	<1.0	<1.0	<1.0	<1.0	5U	20U
1,1-dichloroethene		ug/L	2100	1350	170	119	323	<1.0	5U	20U
1,1-dichloroethane		ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	5U	20U
1,1-dichloroethene		ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	5U	20U
1,1-dichloromethane		ug/L	51.0	63.2	2.7	<1.0	5.8	<1.0	54	<1.0
1,1-dichloroethene		ug/L	-	-	-	-	-	-	2800	-
Dichloroethene		ug/L	-	-	-	-	-	-	-	-
1,1-dichloroethene (total)		ug/L	-	-	-	-	-	-	320	36
										2000

Notes:

Galson = Galson Laboratories

NET = National Environmental Testing

GTC = General Testing Corporation

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

- = No Data

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

Parameter	Source: Date:	Galson		Galson		Galson		Galson		Galson		Galson	
		Aug 1987	OCT 1987	Mar 1989	Sept 1989	Mar 1990	June 1990	Sept 1990	Dec 1990	NET	NET	NET	NET
UNDETECTED VOLATILE ORGANICS													
methane	ug/L	-	-	10U	<20	<1.0	<5.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0
ethane	ug/L	-	-	10U	<20	<1.0	<5.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0
propane	ug/L	-	-	5U	<20	<1.0	<2.0	<2.0	<1.0	<1.0	<5.0	<1.0	<1.0
chloride	ug/L	-	-	5U	<10	<1.0	<5.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0
chloroethane	ug/L	-	-	5U	<10	<1.0	<5.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0
chloroethene	ug/L	-	-	5U	<10	<1.0	<5.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0
ethene	ug/L	-	-	59	240	170	90	400	340	400	340	92	92
ethane	ug/L	-	-	5U	<10	<1.0	<5.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0
methane	ug/L	-	-	5U	<10	<1.0	<5.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0
dichloromethane	ug/L	-	-	5U	<10	<1.0	<5.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0
dichloroethene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-
dichloroethene (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
PROMULUS, 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 1993
VOLATILE ORGANICS											
methane		<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	5U	10U	11U
ethane		<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	5U	10U	11U
propane		<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	5U	10U	11U
butane		<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	5U	10U	11U
chloroform		<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	5U	10U	11U
chloroethane		<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	5U	10U	11U
chloroethene		<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	5U	10U	11U
ethylene		<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	5U	10U	11U
ethene		<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	5U	10U	11U
1,1-dichloroethane		<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	5U	10U	11U
1,1-dichloroethene		<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	5U	10U	11U
1,2-dichloroethene		<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	5U	10U	11U
1,1,1-trichloroethene (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:	Galson		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	
VOLATILE ORGANICS													
ethane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
methane	ug/L	-	-	-	-	<1.0	86	230	<5.0	<5.0	610	700	<10
chloride	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<10
methane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<10
chloroethane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<10
chloroethene	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<10
ethylene	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<10
propane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<10
fluoromethane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<10
2-Dichloroethene	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<10
-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-18
ASH LANDFILL
SENECA ARMY DEPOT
ROMULUS, NEW YORK

Parameter	Source: Date:	Units	NET	NET	NET	NET	GTC	ES	ES	ES
			June 1991	Sept 1991	Dec 1991	Mar 1992	June 1992	Sept 1992	Dec 1992	Jan 1993
VOLATILE ORGANICS										
methane		ug/L	<10	<1.0	<1.0	<100	-	5U	1000U	1000U
nitrogen		ug/L	490	457	157	11.7	175	270	200	300U
chloride		ug/L	<10	<1.0	<1.0	<100	-	10	1000U	1000U
methane		ug/L	<10	<1.0	<1.0	<100	-	5U	1000U	830U
Chloride		ug/L	<10	<1.0	<1.0	<100	-	5U	1000U	830U
chloroethane		ug/L	<10	<1.0	<1.0	<100	-	5U	1000U	830U
chloroethene		ug/L	<10	<1.0	<1.0	<100	-	5U	1000U	830U
chloroethene		ug/L	<10	<1.0	<1.0	<100	-	5U	1000U	830U
chloroethene		ug/L	<10	<1.0	<1.0	<100	-	5U	1000U	830U
chloroethene		ug/L	12000	10000	3710	9840	7920	14000	10000	16000
ethylene		ug/L	<10	<1.0	<1.0	<100	-	5U	1000U	1000U
acetylene		ug/L	<10	<1.0	<1.0	<100	-	5U	-	-
acromethane		ug/L	<10	<1.0	<1.0	<100	-	5U	-	-
Dichloroethene		ug/L	<10	<1.0	3.0	<1.0	-	700	-	-
Dichloroethene (total)		ug/L	-	-	-	-	-	-	440	450
										590J

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		Galson		NET		NET	
		Aug 1987	OCT 1987	Mar 1989	Sept 1989	Jan 1990	Mar 1990	June 1990	Sept 1990	Dec 1990	NET	NET	
DLATILE ORGANICS													
methane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<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
propane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
butane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<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
chloroethane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<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
ethene	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<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
fluoromethane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Dichloroethene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-
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:	Units	NET	NET	NET	NET	GTC	ES	ES
			June 1991	Sept 1991	Dec 1991	Mar 1992	Dec 1992	Sept 1992	April 1993
DOLATILE ORGANICS									
methane		ug/L	<10	<1.0	<1.0	<1.0	-	5U	10U
m		ug/L	<10	<1.0	<1.0	<1.0	-	5U	10U
chloride		ug/L	<10	<1.0	<1.0	<1.0	-	5U	10U
ane		ug/L	<10	<1.0	<1.0	<1.0	-	5U	10U
Chloride		ug/L	<10	<1.0	<1.0	<1.0	-	5U	10U
chloroethane		ug/L	<10	<1.0	<1.0	<1.0	-	5U	10U
chloroethane		ug/L	<10	<1.0	<1.0	<1.0	-	5U	10U
chloroethane		ug/L	<10	<1.0	<1.0	<1.0	-	5U	10U
chloroethene		ug/L	<10	<1.0	<1.0	<1.0	-	5U	10U
ethene		ug/L	36	30	34	21	18	24	23
ethene		ug/L	<10	<1.0	<1.0	<1.0	-	5U	10U
fluoromethane		ug/L	<10	<1.0	<1.0	<1.0	-	5U	10U
+Dichloroethene		ug/L	<10	<1.0	<1.0	<1.0	-	5U	10U
Dichloroethene		ug/L	-	-	-	-	-	-	-
Dichloroethene (total)		ug/L	-	-	-	-	-	-	-

Notes:

Galsion = Galsion Laboratories

NET = National Environmental Testing

GTC = General Testing Corporation

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

- = No Data

ES

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

Parameter	Source Date:	Units	Garrison	Garrison	Garrison	NET	NET	NET
			Aug 1987	Oct 1987	Mar 1989	Jan 1990	Mar 1990	June 1990
DLATILE ORGANICS								
methane		ug/L	-	-	<1.0	<5.0	<5.0	<1.0
ethane		ug/L	-	-	<1.0	<5.0	<5.0	<1.0
propane		ug/L	-	-	<1.0	<5.0	<5.0	<1.0
butane		ug/L	-	-	<1.0	<5.0	<5.0	<1.0
chloride		ug/L	-	-	<1.0	<5.0	<5.0	<1.0
chloroethane		ug/L	-	-	<1.0	<5.0	<5.0	<1.0
chloroethene		ug/L	-	-	<1.0	<5.0	<5.0	<1.0
ethylene		ug/L	-	-	<1.0	<5.0	<5.0	<1.0
ethene		ug/L	-	-	<1.0	<5.0	<5.0	<1.0
ethene		ug/L	-	-	<1.0	<5.0	<5.0	<1.0
1,1-dichloroethane		ug/L	-	-	<1.0	<5.0	<5.0	<1.0
1,2-Dichloroethene		ug/L	-	-	-	-	-	-
Dichloroethene		ug/L	-	-	-	-	-	-
1,1,2-trichloroethene (total)		ug/L	-	-	-	-	-	-

Notes:

Garrison = Garrison 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:	Units	NET	NET	NET	NET	GTC	ES	ES
			June 1981	Sept 1991	Dec 1991	Mar 1992	Dec 1992	Jan 1993	April 1993
DOLATILE ORGANICS									
methane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	-	5.0	-
ethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	-	5.0	-
propane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	-	5.0	-
butane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	-	5.0	-
chloride	ug/L	<10	<1.0	<1.0	<1.0	<1.0	-	5.0	-
chloroethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	-	5.0	-
chloroethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	-	5.0	-
ethylene	ug/L	2.0	<1.0	2.5	2.4	2.3	-	5.0	-
propene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	-	5.0	-
isopropane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	-	5.0	-
fluoromethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	-	5.0	-
2-Dichloroethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	-	17	-
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-22
ASH LANDFILL
SENECA ARMY DEPOT
ROMULUS, NEW YORK

Parameter	Source: Date:	Gelson Aug 1987		Gelson OCT 1987		Gelson Mar 1989		Gelson Sept 1989		NET Mar 1990		NET Jan 1990		NET June 1990		NET Sept 1990		NET Dec 1990	
		Units																	
OLATILE ORGANICS																			
methane	ug/L	-	-	-	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<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	<1.0
propane	ug/L	-	-	-	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
butane	ug/L	-	-	-	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<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	<1.0
chloroethane	ug/L	-	-	-	-	-	-	-	-	7.0	6.0	10.0	8.0	7.0	7.0	7.0	7.0	7.0	7.0
chloroethene	ug/L	-	-	-	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ethylene	ug/L	-	-	-	-	-	-	-	-	87	100	200	87	93	93	93	93	93	93
acetylene	ug/L	-	-	-	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
fluoromethane	ug/L	-	-	-	-	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Dichloroethene	ug/L	-	-	-	-	-	-	-	-	4.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichloroethene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
chloroethene (total)	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

Gelson = Gelson 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:	Units	NET	NET	NET	GTC	ES	ES
			June 1991	Sept 1991	Dec 1991	Mar 1992	Sept 1992	Dec 1992
DILATILE ORGANICS								
methane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	5U	10U
ethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	5U	10U
propane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	5U	10U
butane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	5U	10U
chloride	ug/L	<10	<1.0	<1.0	<1.0	<1.0	5U	10U
chloroethane	ug/L	<10	<1.0	<1.0	1.3	<1.0	5U	10U
chloroethene	ug/L	8.0	<1.0	3.0	4.4	<1.0	5.2	5.0
chloroethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	5U	10U
chloroethene	ug/L	100	74.9	69.3	73.9	<1.0	89	79
ethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	5U	10U
ethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	-	-
isobutane	ug/L	3.0	<1.0	1.4	1.7	2.4	-	-
Dichloroethene	ug/L	-	-	-	-	150	-	-
Dichloroethene (total)	ug/L	-	-	-	-	-	140	140

Notes:

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- = No Data

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

Parameter	Source: Date:	Units	NET	NET	NET	NET	GTC	ES	ES
			June 1991	Sept 1991	Dec 1991	Mar 1992	June 1992	Sept 1992	July 1993
LATILE ORGANICS									
methane		ug/L	<10	<1.0	<1.0	<1.0	-	5U	10U
methylene		ug/L	<10	<1.0	<1.0	<1.0	-	5U	10U
chloride		ug/L	<10	<1.0	<1.0	<1.0	-	5U	10U
ethane		ug/L	<10	<1.0	<1.0	<1.0	-	5U	10U
chloroethane		ug/L	<10	<1.0	<1.0	<1.0	-	5U	10U
chloroethene		ug/L	<10	<1.0	<1.0	<1.0	-	5U	10U
ethene		ug/L	<10	<1.0	<1.0	<1.0	-	5U	10U
ethane		ug/L	<10	<1.0	<1.0	<1.0	-	5U	10U
fluoromethane		ug/L	<10	<1.0	<1.0	<1.0	-	5U	10U
2-Chloroethene		ug/L	-	-	-	-	-	-	-
Dichloroethene		ug/L	-	-	-	-	-	-	-
Iloroethene (total)		ug/L	-	-	-	-	-	1.0	10U

Notes:

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 - = No Data

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

Parameter	Source: Date:	Ganson		Ganson		NET		NET		NET	
		Aug 1987	OCT 1987	Mar 1989	Sept 1989	Jan 1990	Mar 1990	June 1990	Sept 1990	Dec 1990	Sept 1990
LATILE ORGANICS											
methane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<10
ethane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<10
propane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<10
Chloride	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<10
chloroethane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<10
1,1-dichloroethane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<10
1,1,1-trichloroethane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<10
1,1,2-trichloroethene	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<10
1,1,2,2-tetrachloroethene	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<10
1,1,2,2-tetrachloroethane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<10
1,1,2,2-tetrachloroethene	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<10
1,1,2,2-tetrachloroethane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<10
1,1,2,2-tetrachloroethene	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<10
1,1,2,2-tetrachloroethane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<10
1,1,2,2-tetrachloroethene	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<10
Dichloroethene	ug/L	-	-	-	-	-	-	-	-	-	-
Dichloroethene (total)	ug/L	-	-	-	-	-	-	-	-	-	-
1,1,2,2-tetrachloroethene (total)	ug/L	-	-	-	-	-	-	-	-	-	-

Notes:

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 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:	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
OLATILE ORGANICS											
methane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	5U	10U	10U
ethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	5U	10U	10U
propane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	5U	10U	10U
butane	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
chloroethane	ug/L	1.0	<1.0	126	<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
ethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	5U	10U	10U
ethene	ug/L	8.0	8.6	2.8	4.4	6.2	-	-	6.7	7.0	6J
propene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	5U	10U	10U
fluoromethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	-
2 - Dichloroethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	<1.0	-	110	-	-
Dichloroethene	ug/L	-	-	-	-	-	-	-	-	-	-
chloroethene (total)	ug/L	-	-	-	-	-	-	-	100	81	99

Notes:

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- = No Data

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

Parameter	Source: Date:	Galson		Galson		Galson		Galson		NET		NET	
		Aug 1987	OCT 1987	Mar 1989	Sept 1989	Mar 1990	June 1990	Sept 1990	Dec 1990	NET	NET	NET	NET
CHLORINE ORGANICS													
methane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<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
propane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<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
chloroethene	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
ethylene	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-dichloroethane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-dichloroethene	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-dichloroethane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-dichloroethene	ug/L	-	-	-	-	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-trichloroethane	ug/L	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-trichloroethene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-tetrachloroethane	ug/L	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-tetrachloroethene (total)	ug/L	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

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- = No Data

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

Parameter	Source; Date:	Units	NET	NET	NET	GTC	ES	ES
			June 1991	Sept 1991	Dec 1991	Mar 1992	Sept 1992	Dec 1992
DOLATILE ORGANICS								
methane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	5U	10U
ethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	5U	10U
propane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	5U	10U
chloride	ug/L	<10	<1.0	<1.0	<1.0	<1.0	5U	10U
chloroethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	5U	10U
1,1-dichloroethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	5U	10U
1,1-dichloroethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	5U	10U
1,1-difluoroethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	5U	10U
1,1-difluoroethene	ug/L	39.0	21.2	30.2	28.4	25.8	30	22
1,1-difluoromethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	5U	10U
1,1,1-trifluoroethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	5U	10U
1,1,2,2-tetrafluoroethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	5U	10U
1,1,2,2-tetrafluoroethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	5U	10U
1,1,2,2-tetrachloroethene	ug/L	-	-	-	-	-	-	-
1,1,2,2-tetrachloroethene (total)	ug/L	-	-	-	-	-	47	41
								54

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		NET		NET	
		Aug 1987	OCT 1987	Mar 1989	Sept 1989	Jan 1990	Mar 1990	June 1990	Sept 1990	Dec 1990	NET
DOLATILE ORGANICS											
methane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	-	<10	-
ethane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	-	<10	-
propane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	-	<10	-
butane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	-	<10	-
isobutane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	-	<10	-
chloroethane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	-	<10	-
chloroethene	ug/L	-	-	-	-	<1.0	<5.0	<5.0	-	<10	-
ethene	ug/L	-	-	-	-	<1.0	<5.0	<5.0	-	<10	-
ethene	ug/L	-	-	-	-	<1.0	<5.0	<5.0	-	<10	-
ethene	ug/L	-	-	-	-	<1.0	<5.0	<5.0	-	<10	-
fluoromethane	ug/L	-	-	-	-	<1.0	<5.0	<5.0	-	<10	-
2-Dichloroethene	ug/L	-	-	-	-	<1.0	<5.0	<5.0	-	<10	-
Dichloroethene	ug/L	-	-	-	-	-	-	-	-	-	-
chloroethene (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 MW-29
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
OLATILE ORGANICS								
methane		ug/L	<10	-	<1.0	<1.0	5U	10U
methylene		ug/L	<10	-	<1.0	<1.0	5U	10U
chloride		ug/L	<10	-	<1.0	<1.0	5U	10U
ethane		ug/L	<10	-	<1.0	<1.0	5U	10U
Chloroethane		ug/L	<10	-	<1.0	<1.0	5U	10U
chloroethene		ug/L	2.0	-	<1.0	<1.0	5U	10U
chloroethane		ug/L	<10	-	<1.0	<1.0	5U	10U
chloroethene		ug/L	<10	-	<1.0	<1.0	5U	10U
chloroethane		ug/L	<10	-	<1.0	<1.0	5U	10U
chloroethene		ug/L	<10	-	<1.0	<1.0	5U	10U
ethene		ug/L	1.0	-	<1.0	1.2	5U	2
chloroethane		ug/L	1.0	-	<1.0	<1.0	5U	10U
chloroethene		ug/L	<10	-	<1.0	<1.0	5U	10U
chloroethane		ug/L	<10	-	<1.0	<1.0	5U	10U
chloroethene		ug/L	<10	-	<1.0	<1.0	5U	10U
chloroform		ug/L	<10	-	<1.0	<1.0	5U	10U
1,1-dichloroethene		ug/L	<10	-	<1.0	<1.0	5U	10U
Dichloroethene		ug/L	-	-	-	-	67	-
Dichloroethene (total)		ug/L	-	-	-	-	-	-

Notes:

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Section 2.0
Indicator Parameters

ASH LANDFILL FOURTH QUARTER 1993 MONITORING
INDICATOR ANALYSIS RESULTS

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

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

WATER	WATER
ASH	ASH
11/22/93	11/22/93
PT-17	PT-16
*	*

ASH LANDFILL FOURTH QUARTER 1993 MONITORING INDICATOR ANALYSIS RESULTS

AL4QMMSC.WK3

PARAMETER	C.WK3	MATRIX	WATER	WATER	WATER	WATER	WATER
		DATE SAMPLED	11/19/93	11/23/93	12/05/93	11/23/93	11/10/93
		ES ID	PT-19	PT-20	PT-21	PT-22	PT-23
		LAB ID	*	*	*	*	*
		UNITS					
Total Organic Carbon		mg/L	2	2	3	2	1
pH		units	7.30	7.07	7.49	7.13	7.38
Chloride		mg/L	47	27	84	9	15
Sulfate		mg/L	64	130	140	180	33
Specific Conductance		umhos/cm	830	940	990	1300	630
Nitrate+Nitrite		mg/L as N	0.21	0.09	0.41	0.06	0.11
Total Organic Halides		mg/L	0.02	0.02	0.05	0.17	0.03

Notes:
(1) * This abID is different for each sum-motor

ASH LANDFILL FOURTH QUARTER 1993 MONITORING INDICATOR ANALYSIS RESULTS

AL4QMMSC.WK3	MATRIX SITE	WATER ASH	WATER ASH	WATER ASH	WATER ASH
	DATE SAMPL'D	12/03/93	11/21/93	12/01/93	11/22/93
	ES ID	PT-26	MW-27	MW-28	MW-30
	LAB ID	*	*	*	*
	UNITS	*	*	*	*
PARAMETER					
Total Organic Carbon	mg/L	5	3	4	2
pH	units	7.51	7.42	7.20	7.25
Chloride	mg/L	50	34	20	13
Sulfate	mg/L	95	72	62	28
Specific Conductance	umhos/cm	850	600	710	610
Nitrate+Nitrite	mg/L as N	0.6	0.15	0.05 U	0.3
Total Organic Halides	mg/L	0.02 U	0.08	0.09	0.02 U

Notes:
(1) * The | ab|D is different for each parameter

**ASH LANDFILL FOURTH QUARTER 1993 MONITORING
INDICATOR ANALYSIS RESULTS**

AL4QMMSC.WK3		MATRIX	WATER	WATER	WATER
SITE	ASH	ASH	ASH	ASH	ASH
DATE SAMPL'D	12/01/93	12/01/93	11/22/93	12/03/93	12/03/93
ESID	MW-32	MW-33	MW-34	MW-35D	MW-36
LAB ID	*	*	*	*	*
UNITS					
PARAMETER					
Total Organic Carbon	3	1	1 U	6	2
pH	7.22	7.17	7.29	7.99	7.63
Chloride	95	42	45	15	34
Sulfate	50	41	40	100	10
Specific Conductance	850	580	720	550	33
Nitrate+Nitrite	0.35	0.31	0.17	0.05 U	560
Total Organic Halides	0.03	0.02 U	0.02 U	0.62	0.05
				0.02 U	0.02 U

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

WATER
ASH
11/10/93
MW-37
*

WATER
ASH
12/03/93
MW-36
*

WATER
ASH
12/03/93
MW-36
*

ASH LANDFILL FOURTH QUARTER 1993 MONITORING INDICATOR ANALYSIS RESULTS

Notes:

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

**ASH LANDFILL FOURTH QUARTER 1993 MONITORING
INDICATOR ANALYSIS RESULTS**

PARAMETER	MATRIX	SITE	DATE SAMPLED	LAB ID	UNITS	WATER	WATER	WATER	WATER
						ASH	ASH	MW-90	ASH
Total Organic Carbon			12/01/93		mg/L	5	5	1 U	8
pH			PT-18R		units	6.92	6.92	6.83	7.06
Chloride					mg/L	1 U	37	13	98
Sulfate					mg/L	1	260	1	140
Specific Conductance					umhos/cm	830	1400	9.5	960
Nitrate+Nitrite					mg/L as N	0.05 U	0.13	0.05 U	0.1
Total Organic Halides					mg/L	0.05	0.42	0.02 U	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

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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

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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 (umhos/cm)	820		38516-006	11/22/93	179	120.1/1

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

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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:
 Date Collected:
 Date Received:

97 0105425
 11/10/93
 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:
 Date Collected:
 Date Received:
 Client Sample ID:

97 0105433
 11/10/93
 11/16/93
 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>PT19 ASH</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
<u>Parameter</u>	<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
<u>Parameter</u>	<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
<u>Parameter</u>	<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
	38533-19

Parameter	Units	MDL	MS	METHOD	DATE ANALYZED
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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
	38533-19

Parameter	Units	MDL	MSD	METHOD	DATE ANALYZED
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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

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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

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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

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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

500005

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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December 15, 1993
PACE Project Number: 131206502

Client Reference: Seneca Army Depot SDG-SEN11

PACE Sample Number:	11112	97 0112944
Date Collected:		11/23/93
Date Received:		12/04/93
Client Sample ID:		38548-26

<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	0.06	SW846-9020	12/10/93
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PACE Sample Number:	1112952	97 0112952
Date Collected:		11/23/93
Date Received:		12/04/93
Client Sample ID:		38548-27

<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	ND	SW846-9020	12/10/93
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PACE Sample Number:	1112960	97 0112960
Date Collected:		11/22/93
Date Received:		12/04/93
Client Sample ID:		38548-28

<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	ND	SW846-9020	12/09/93
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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
 Total Organic Halogen

mg/L	0.02	ND	SW846-9020	12/09/93
------	------	----	------------	----------

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

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 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
 Total Organic Halogen

mg/L	0.02	ND	SW846-9020	12/09/93
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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

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

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen

mg/L

0.02

ND

SW846-9020 12/10/93

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		
<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	12/10/93

PACE Sample Number:		97 0113045		
Date Collected:		12/01/93		
Date Received:		12/04/93		
Client Sample ID:		38619-17		
<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	12/10/93

PACE Sample Number:		97 0113053		
Date Collected:		12/01/93		
Date Received:		12/04/93		
Client Sample ID:		38619-18		
<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	12/10/93

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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

Parameter

Units

MDL

METHOD

DATE ANALYZED

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

Parameter

Units

MDL

METHOD

DATE ANALYZED

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 ($\mu\text{hos}/\text{cm}$)	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 ($\mu\text{hos}/\text{cm}$)	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 ($\mu\text{hos}/\text{cm}$)	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 ($\mu\text{hos}/\text{cm}$)	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

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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

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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

pace
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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

pace
INCORPORATED
THE ASSURANCE OF QUALITY

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
INCORPORATED
THE ASSURANCE OF QUALITY

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:

1993 2/
 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>
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INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	0.05	SW846 9020	12/13/93
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PACE Sample Number:

Date Collected:

Date Received:

Client Sample ID:

Parameter

0114298
 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>
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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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Page 2

December 17, 1993
PACE Project Number: 131207502

Client Reference: N31204502/N31206503

PACE Sample Number:

Date Collected:

Date Received:

Client Sample ID:

Parameter

011439

97 0114319

12/02/93

12/07/93

38635-15

Units

MDL

METHOD

DATE ANALYZED

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen

mg/L

0.02

0.02

SW846 9020 12/13/93

PACE Sample Number:

Date Collected:

Date Received:

Client Sample ID:

Parameter

114-35

97 0114327

12/03/93

12/07/93

38635-16

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:

Date Collected:

Date Received:

Client Sample ID:

Parameter

114-36

97 0114335

12/03/93

12/07/93

38635-17

Units

MDL

METHOD

DATE ANALYZED

INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen

mg/L

0.02

ND

SW846 9020 12/13/93

Page 3

December 17, 1993
 PACE Project Number: 131207502

Client Reference: N31204502/N31206503

PACE Sample Number:

Date Collected:

Date Received:

Client Sample ID:

Parameter

17-26

97 0114343

12/03/93

12/07/93

38635-18

<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	ND	SW846 9020	12/13/93
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PACE Sample Number:

Date Collected:

Date Received:

Client Sample ID:

Parameter

RHS

97 0114351

12/04/93

12/07/93

38642-1

<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	ND	SW846 9020	12/13/93
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PACE Sample Number:

Date Collected:

Date Received:

Client Sample ID:

Parameter

FHD

97 0114360

12/04/93

12/07/93

38642-2

<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	ND	SW846 9020	12/13/93
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REPORT OF LABORATORY ANALYSIS

Page 4

December 17, 1993
PACE Project Number: 131207502

Client Reference: N31204502/N31206503

PACE Sample Number:	BRW	97 0114378		
Date Collected:		12/04/93		
Date Received:		12/07/93		
Client Sample ID:		38642-3		
<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	ND	SW846 9020	12/13/93
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PACE Sample Number:	144627	97 0116176		
Date Collected:		12/05/93		
Date Received:		12/10/93		
Client Sample ID:		38656-3		
<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	0.05	SW846 9020	12/13/93
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PACE Sample Number:	144616	97 0116184		
Date Collected:		12/05/93		
Date Received:		12/10/93		
Client Sample ID:		38656-4		
<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
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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>	<u>DATE ANALYZED</u>
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INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	0.02	SW846 9020	12/14/93
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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>	<u>DATE ANALYZED</u>
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INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	0.06	SW846 9020	12/14/93
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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>	<u>DATE ANALYZED</u>
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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:	A 116 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>
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INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	0.02	SW846 9020	12/14/93
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PACE Sample Number:	A 116 31	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>
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INORGANIC ANALYSIS

INDIVIDUAL PARAMETERS

Total Organic Halogen	mg/L	0.02	ND	SW846 9020	12/14/93
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PACE Sample Number:	A 116 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>
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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:

Parameter

A MSL 14/

97 0116257

12/06/93

12/10/93

38668-4

<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

0.04

SW846 9020 12/14/93

PACE Sample Number:

Date Collected:

Date Received:

Client Sample ID:

Parameter

A MSL 15/

97 0116265

12/06/93

12/10/93

38668-5

<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

ND

SW846 9020 12/14/93

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 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

b Name: PACE NEW ENGLA

Contract: NYASP

Lab Code:

Case No.: SENECA

SAS No.:

SDG No.: SEN10

EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT	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

L b Name: PACE NEW ENGLA

Contract: NYASP

Lab Code:

Case No.: SENECA

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.: SENEC

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

b Name: PACE NEW ENGLA

Contract: NYASP

Lab Code:

Case No.: SENEC

SAS No.:

SDG No.: SEN12

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT	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.: SENECA

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.: SENECA

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

Lab Name: PACE NEW ENGLA

Contract: NYASP

Lab 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 %	QC 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 %	MSD REC #	RPD #	QC LIMITS 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

RPD: 0 out of 5 outside limits

Spike 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.: SENECA

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

ID: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

3A
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: PACE NEW ENGLA

Contract: NYASP

Lab Code:

Case No.: SENECA

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

Lab Name: PACE NEW ENGLA

Contract: NYASP

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

SDG No.: SEN11

Matrix Spike - EPA Sample No.: MW33

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

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	MSD % RPD #	QC LIMITS RPD REC.
1,1-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
Toluene_____	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

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

()MMENTS:

3A
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

b Name: PACE NEW ENGLA

Contract: NYASP

Lab Code:

Case No.: SENECA

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.
1,1-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.
1,1-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

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

3A
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: PACE NEW ENGLA

Contract: NYASP

Lab Code:

Case No.: SENEC

SAS No.:

SDG No.: 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

Lab Name: PACE NEW ENGLA

Contract: NYASPP

Lab Code: Case No.: SENEC SAS No.: SDG No.: SEN10

Lab File ID: C9575 Lab Sample ID: BC111693A

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

GC 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 TB1119	38384-48	C9585	1810
10 LCSV1MS	LCC111693D	C9583	1700

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKCO

Lab Name: PACE NEW ENGLA

Contract: NYASP

Lab Code: Case No.: SENEC SAS No.: SDG No.: SEN10

Lab File ID: C9595 Lab Sample ID: BC111793A

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

GC 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

Lab Name: PACE NEW ENGLA

Contract: NYASP

Lab Code:

Case No.: SENEC

SAS No.:

SDG No.: SEN10

Lab 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 SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME 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

Lab Name: PACE NEW ENGLA

Contract: NYASP

Lab Code:

Case No.: SENEC

SAS No.:

SDG No.: SEN10

Lab File ID: E5268

Lab Sample ID: BE112993A

Date Analyzed: 11/29/93

Time Analyzed: 1102

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 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.

Lab Name: PACE NEW ENGLA

Contract: NYASPC

VBLKCN

Lab 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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
74-87-3-----	Chloromethane	10	U	
74-83-9-----	Bromomethane	10	U	
75-01-4-----	Vinyl Chloride	10	U	
75-00-3-----	Chloroethane	10	U	
75-09-2-----	Methylene Chloride	5	J	
67-64-1-----	Acetone	10	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

Lab Name: PACE NEW ENGLA Contract: NYASP

.b 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

Column: SP1000 ID: 2.00 (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	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.

Lab Name: PACE NEW ENGLA

Contract: NYASP

VBLKED

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	
GC Column: 502.2 ID: 0.530 (mm)		Dilution Factor: 1.0	
Soil Extract Volume: (uL)		Soil Aliquot Volume: (uL)	

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKEF

Lab Name: PACE NEW ENGLA

Contract: NYASP

Lab 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

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	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.

LCSV1MS

Lab Name: PACE NEW ENGLA

Contract: NYASP

Lab Code: Case No.: SENE C 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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	5	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: PACE NEW ENGLA

Contract: NYASP

LCSV3MS

Lab 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

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		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.

Lab Name: PACE NEW ENGLA

Contract: NYASP

PT10MS

Lab 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
GC Column: 502.2	ID: 0.530 (mm)	Dilution Factor:	1.0
Soil Extract Volume:	(uL)	Soil Aliquot Volume:	(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q	
74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PT10MSD

ab Name: PACE NEW ENGLA

Contract: NYASP

b 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

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	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)
Soil Extract Volume:	(uL)	Dilution Factor:	1.0
		Soil Aliquot Volume:	(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q	
		10	U
74-87-3-----	Chloromethane		
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
Soil 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			
74-83-9-----	Bromomethane			
75-01-4-----	Vinyl Chloride			
75-00-3-----	Chloroethane			
75-09-2-----	Methylene Chloride			
67-64-1-----	Acetone			
75-15-0-----	Carbon Disulfide			
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

Lab Name: PACE NEW ENGLA

Contract: NYASP

Lab Code:

Case No.: SENECA

SAS No.:

SDG No.: SEN12

Lab File ID: C9895

Lab Sample ID: BC120893A

Date Analyzed: 12/08/93

Time Analyzed: 1059

GC 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

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKCF

b Name: PACE NEW ENGLA

Contract: NYASP

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

.ab File ID: C9941 Lab Sample ID: BC121393A

ite Analyzed: 12/13/93 Time Analyzed: 1207

GC 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	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.

b Name: PACE NEW ENGLA

Contract: NYASP

VBLKCD

a b 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

GC Column: SP1000 ID: 2.00 (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	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.

VBLKCF

Lab Name: PACE NEW ENGLA

Contract: NYASP

Lab 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

GC Column: SP1000 ID: 2.00 (mm)

Dilution Factor: 1.0

Soil Extract Volume:

(uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3-----	Chloromethane	10 U	
74-83-9-----	Bromomethane	10 U	
75-01-4-----	Vinyl Chloride	10 U	
75-00-3-----	Chloroethane	10 U	
75-09-2-----	Methylene Chloride	4 J	
67-64-1-----	Acetone	10 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.

b Name: PACE NEW ENGLA

Contract: NYASP

AMW27MS

b 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

GC Column: SP1000 ID: 2.00 (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		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.

Lab 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

GC Column: SP1000 ID: 2.00 (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
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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCSV1MS

b Name: PACE NEW ENGLA

Contract: NYASP

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

Matrix: (soil/water) WATER Lab Sample ID: LCC121393

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: C9946

Level: (low/med) LOW Date Received:

Moisture: not dec. Date Analyzed: 12/13/93

GC Column: SP1000 ID: 2.00 (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	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCSV1MSD

Lab Name: PACE NEW ENGLA

Contract: NYASP

Lab 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

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
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.

Lab Name: PACE NEW ENGLA

Contract: NYASP

VBLKEG

Lab Code: Case No.: SENE C SAS No.: SDG No.: SEN11

Lab File ID: E5296 Lab Sample ID: BE113093A

Date Analyzed: 11/30/93 Time Analyzed: 1218

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 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:

100005

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKEJ

Lab Name: PACE NEW ENGLA

Contract: NYASP

Lab Code:

Case No.: SENEC

SAS No.:

SDG No.: SEN11

Lab File ID: E5377

Lab Sample ID: BE120793A

Date Analyzed: 12/07/93

Time Analyzed: 1147

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 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:

100005

VOLATILE ORGANICS ANALYSIS DATA SHEET

b Name: PACE NEW ENGLA

Contract: NYASP

VBLKEG

b 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

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
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

Lab Name: PACE NEW ENGLA

Contract: NYASP

VBLKEJ

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

Soil 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	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.

LCSV1MS

b 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		
GC Column: 502.2 ID: 0.530 (mm)	Dilution Factor: 1.0		
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)		
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3-----Chloromethane	10	U	
74-83-9-----Bromomethane	10	U	
75-01-4-----Vinyl Chloride	10	U	
75-00-3-----Chloroethane	10	U	
75-09-2-----Methylene Chloride	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

MW33MS

Lab Name: PACE NEW ENGLA

Contract: NYASP

Lab 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

GC Column: 502.2 ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
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

b Name: PACE NEW ENGLA

Contract: NYASP

-b 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

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
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 Value mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %
LCS1	2.0	1.932	96.6	0.8
LCS2	2.0	1.916	95.8	

FIELD SAMPLE:

Precision		Relative Percent		
Lab No.	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Difference %
38421	0.45	0.45	0.45	0.9

FIELD SAMPLE:

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

	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

500105

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:

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

FIELD SAMPLE:

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

560033

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

FIELD SAMPLE:

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

500049

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:

	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

500051

QUALITY CONTROLSulfate
Method: EPA-600 300.0 / SW846 9056QC Batch: 545
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	50.0	48.400	96.8
LCS2	50.0	48.300	96.6

FIELD SAMPLE:

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

FIELD SAMPLE:

Accuracy	Replicate 1	Spike Added	Spike Found	Recovery %
Lab No.	mg/L	mg/L	mg/L	%
-----	-----	-----	-----	-----
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
LCS2	141.3	152.300	107.8

FIELD SAMPLE:

Precision Lab No.	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
38351-16	799.00	794.00	796.50	0.6

50009J

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	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
Lab No.	-----	-----	-----	-----
38516-6	821.00	815.00	818.00	0.7

500100

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 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
Lab No.	-----	-----	-----	-----
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
	<hr/> < 0.05

LABORATORY CONTROL SAMPLES:		Accuracy	Precision	
	True Value mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %
LCS1	2.0	2.015	100.8	2.3
LCS2	2.0	1.970	98.5	

FIELD SAMPLE:

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

FIELD SAMPLE:

Accuracy		Spike Added mg/L	Spike Found mg/L	Recovery %
Lab No.	Replicate 1 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 CONTROLNitrate plus Nitrite Nitrogen (combined)
Method: 353.2 EPA-600/4-84-017QC Batch: 531
Matrix: WATER

METHOD BLANK:	Result
	mg/L

	< 0.05

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

FIELD SAMPLE:

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

FIELD SAMPLE:

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

500015

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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		Blank	38384-10	of
			ND	MW42D	97 0105433
Total Organic Halogen		0.01	ND	ND	ND

SPIKE:

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

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

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

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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 of	
	mg/L		Blank	38384-11	97 0105441	RPD
Total Organic Halogen	mg/L	0.01	ND	MW37	ND	NC

SPIKE:

Parameter	Units	MDL	Method	970105441	Spike	
	mg/L		Blank	38384-11	Recv	
Total Organic Halogen	mg/L	0.02	ND	MW37	0.10	110%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Method	Reference Value	Dupl Recv	
	mg/L		Blank	0.05	100%	RPD
Total Organic Halogen	mg/L	0.01	ND	0.05	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 33723

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

METHOD BLANK AND SAMPLE DUPLICATE:

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

SPIKE:

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

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

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

SPIKE:

Parameter	Units	MDL	Method Blank	970105476	Duplicate of	RPD
	mg/L	0.02	ND	38384-14	97 0105476	NC
Total Organic Halogen			ND	MW39 ASH 0.02	Spike 0.10	80%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Method Blank	970105476	Duplicate of	RPD
	mg/L	0.01	ND	38384-14	97 0105476	NC
Total Organic Halogen			ND	MW39 ASH 0.05	Reference Value 80%	80%

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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	
	mg/L		Blank	PT-24	97 0110534	RPD
Total Organic Halogen		0.01	ND	38533-19	0.04	0%
				0.04	0.04	

SPIKE:

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

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

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

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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

FIELD SAMPLE:

Accuracy	Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
Lab No.	38467-9 MS	20.60	50	111.2
	38467-9 MSD	20.60	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:

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

FIELD SAMPLE:

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

5000.14

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.	-----	-----
38619-20	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 %
Lab No.				
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 %
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

500038

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	

500048

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:

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

FIELD SAMPLE:

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

500000

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

FIELD SAMPLE:

Accuracy	Replicate 1	Spike Added ug/g	Spike Found ug/g	Recovery %
Lab No.	ug/g	ug/g	ug/g	%
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.

50000A

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	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
Lab No.	-----	-----	-----	-----
38548-43	944.00	946.00	945.00	0.2

5000g

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
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

50000

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

38533-37	0.33	0.34	0.33	2.1

FIELD SAMPLE:

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

38533-37 MS	0.33	1	1.31	98.4
38533-37 MSD	0.33	1	1.30	97.4
			RPD=	1.021

500096

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

FIELD SAMPLE:

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

500095

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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	
Total Organic Halogen	mg/L	0.01	ND	38548-29	97 0112979	NC

SPIKE:

Parameter	Units	MDL	970112979	Spike Recv
Total Organic Halogen	mg/L	0.02	38548-29	ND 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	120%	120%	0%

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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	
Total Organic Halogen	mg/L	0.01	Blank	38619-14	97 0113010	RPD
		ND	ND	ND	ND	NC

SPIKE:

Parameter	Units	MDL	970113010	Spike	Spike Recv
Total Organic Halogen	mg/L	0.02	38619-14	0.10	80%
		ND	ND	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%
		ND	ND	0.05	80%	0%

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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 Blank	970112952	Duplicate of	RPD
Total Organic Halogen	mg/L	0.01	ND	38548-27	97 0112952	ND

SPIKE:

Parameter	Units	MDL	970112952	Spike Recv
Total Organic Halogen	mg/L	0.02	38548-27	ND 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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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 mg/L	Observed Value mg/L	Recovery %	Relative Percent Difference %
LCS1	5.0	4.650	93.0	7.5
LCS2	5.0	5.010	100.2	

FIELD SAMPLE:

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

FIELD SAMPLE:

Accuracy		Spike Added mg/L	Spike Found mg/L	Recovery %
Lab No.	Replicate 1 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	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	Relative Percent Difference %
Lab No.				
38668-6	2.99	2.51	2.75	17.5

FIELD SAMPLE:

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

	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.				
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 %
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:**Accuracy****Precision**

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

FIELD SAMPLE:**Precision****Relative Percent**

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

FIELD SAMPLE:**Accuracy****Spike****Spike****Recovery**

Lab No.	Replicate 1 mg/L	Added mg/L	Found mg/L	Recovery %
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:		Accuracy	Precision
	True Value mg/L	Observed Value mg/L	Relative Percent Difference %
	-----	-----	-----
LCS1	200.0	201.844	100.9
LCS2	200.0	197.370	98.7

FIELD SAMPLE:

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

FIELD SAMPLE:

Accuracy	Replicate 1	Spike Added mg/L	Spike Found mg/L	Recovery %
Lab No.	mg/L	mg/L	mg/L	%
-----	-----	-----	-----	-----
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	Recovery %	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	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:		Accuracy	Precision	
	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		Relative Percent Difference		
Lab No.	Replicate 1 mg/L	Replicate 2 mg/L	Average mg/L	%
38619-26	40.90	42.10	41.50	2.9

FIELD SAMPLE:

Accuracy		Spike Added mg/L	Spike Found mg/L	Recovery %
Lab No.	Replicate 1 mg/L			
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 %
Lab No.	-----	-----	-----	-----
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 %
Lab No.	-----	-----	-----	-----
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
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
LCS2	141.3	145.600	103.0

FIELD SAMPLE:

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

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

FIELD SAMPLE:

Accuracy	Replicate 1 mg/L	Spike Added mg/L	Spike Found mg/L	Recovery %
Lab No.				
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	
Total Organic Halogen	mg/L	0.01	Blank	38635-16	97 0114327	RPD
		ND	ND	ND	ND	NC

SPIKE:

Parameter	Units	MDL	970114327	Spike	Spike
Total Organic Halogen	mg/L	0.02	38635-16	0.10	100%
		ND	ND	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	100%	100%	0%
		0.01	0.05	100%	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 33957

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

METHOD BLANK AND SAMPLE DUPLICATE:

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

SPIKE:

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

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%
		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 33993

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

METHOD BLANK AND SAMPLE DUPLICATE:

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

SPIKE:

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

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Dupl Recv
Total Organic Halogen	mg/L	0.01	0.05	80% RPD
		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 Blank	970116214	Duplicate of	
Total Organic Halogen	mg/L	0.01	ND	38656-7	97 0116214	NC

SPIKE:

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

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%

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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

