ASH-01-003

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GROUNDWATER MONITORING
ANALYTICAL RESULTS FOR THE SECOND QUARTER 1993
ASH LANDFILL, SENECA ARMY DEPOT

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

PREPARED BY:

Engineering-Science, Inc.
Boston, Massachusetts

July 1993
D#10

ENGINEERING-SCIENCE, INC.

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

July 14, 1993
770454-01008

Mr. Kevin Healy
U.S. Army Corps of Engineers,
Huntsville Division
ATTN: CEHND-ED-CS
P.O. Box 1600
Huntsville, AL 35807-4301

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

Dear Mr. Healy:

Enclosed are the analytical results for the second quarter groundwater monitoring for 1993. The analytical results are divided into two major groups, volatile organic compounds, and indicator parameters (Sections 1 and 2, respectively, in the enclosed document). Generally, the results of the second quarter 1993 analyses are consistent with historical results.

Please do not hesitate to call me if you have any questions.

Sincerely,

ENGINEERING-SCIENCE, INC.

Michael Duchesneau
Project Manager

MD/at/D#10

Enclosure

GROUNDWATER MONITORING
ANALYTICAL RESULTS FOR THE SECOND QUARTER 1993
ASH LANDFILL, SENECA ARMY DEPOT

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1.1 Summary of Volatile Analysis Results (TCL and 524.2)

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

TORING /ELL	COMPOUND					
	1,2–DCE (total) (ug/l)	TCE (ug/l)	Vinyl Chloride (ug/l)	Chloroform (ug/l)	1,2–DCA (ug/l)	TOTAL VOCs (ug/l)
0	10 U	10 U	10 U	10 U	10 U	ND
1	10 U	10 U	10 U	10 U	10 U	ND
2	36	45	10 U	10 U	10 U	81
5	10 U	10 U	10 U	10 U	10 U	ND
6	10 U	10 U	10 U	10 U	10 U	ND
7	3 J	27	10 U	10 U	10 U	30
8	450 J	16000	1000 U	300 J	1000 U	16750
9 (1)	NA	NA	NA	NA	NA	NA
20	7 J	6 J	10 U	10 U	10 U	13
21	10	10 U	10 U	10 U	10 U	10
22	140	79	10 U	10 U	3 J	222
23	10 U	10 U	10 U	10 U	10 U	ND
24	81	5 J	10 U	10 U	10 U	86
25	10 U	10 U	10 U	10 U	10 U	ND
26	10 U	10 U	10 U	10 U	10 U	ND
27	10 U	10 U	10 U	10 U	10 U	ND
28	41	22	10 U	10 U	10 U	63
29	76	10 U	10 U	10 U	10 U	76
30	10 U	10 U	10 U	10 U	10 U	ND
31	10 U	10 U	10 U	10 U	10 U	ND
32	10 U	10 U	10 U	10 U	10 U	ND
33	10 U	10 U	10 U	10 U	10 U	ND
34	10 U	10 U	10 U	10 U	10 U	ND
35D	10 U	10 U	10 U	10 U	10 U	ND
36	10 U	10 U	10 U	10 U	10 U	ND
37	10 U	10 U	10 U	10 U	10 U	ND
38D	10 U	10 U	10 U	10 U	10 U	ND
39	10 U	10 U	10 U	10 U	10 U	ND
40	10 U	10 U	10 U	10 U	10 U	ND
41D	10 U	10 U	10 U	10 U	10 U	ND
42D	10 U	10 U	10 U	10 U	10 U	ND
S	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	ND
D	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	ND
-S	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	ND

:

1,2–DCE = 1,2–Dichloroethene (total)
TCE = Trichloroethene
1,2–DCA = 1,2–Dichloroethane
(1) = Not part of sampling program

J = Estimated Value
U = Not detected above the limit shown
NA = Not Analyzed

P/

1.2 Volatile Analysis Results (TCL and 524.2)

ASH LANDFILL SECOND QUARTER 1993 MONITORING
VOLATILE ANALYSIS RESULTS (TCL)

	AL2QMVOC.WK3	MATRIX	WATER		WATER		WATER		WATER		WATER		WATER		
	ASH1, ASH2	LOCATION	ASH		ASH		ASH		ASH		ASH		ASH		
		DATE SAMPL'D	04/16/93		04/19/93		04/20/93		04/16/93		04/17/93		04/14/93		
		ES ID	PT-10		PT-11		PT-12		PT-15		PT-16		PT-17		
		LAB ID	35787-25		35815-22		35832-16		35792-21		35792-23		35864-34		
		UNITS													
O.	COMPOUND														
	CHLOROMETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1000
	BROMOMETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1000
	VINYL CHLORIDE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1000
	CHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1000
	METHYLENE CHLORIDE	ug/L	10	U	2	BJ	10	U	10	U	10	U	10	U	1000
	ACETONE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1000
	CARBON DISULFIDE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1000
	1,1-DICHLOROETHENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1000
	1,1-DICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1000
0	1,2-DICHLOROETHENE (total)	ug/L	10	U	10	U	36		10	U	10	U	3	J	450
	CHLOROFORM	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	300
2	1,2-DICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1000
	2-BUTANONE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1000
	1,1,1-TRICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1000
	CARBON TETRACHLORIDE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1000
	BROMODICHLOROMETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1000
	1,2-DICHLOROPROPANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1000
1-5	Cis-1,3-DICHLOROPROPENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1000
	TRICHLOROETHENE	ug/L	10	U	10	U	45		10	U	10	U	27		16000
1	DIBROMOCHLOROMETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1000
	1,1,2-TRICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1000
	BENZENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1000
2-6	TRANS-1,3-DICHLOROPROPENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1000
	BROMOFORM	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1000
1	4-METHYL-2-PENTANONE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1000
6	2-HEXANONE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1000
4	TETRACHLOROETHENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1000
	1,1,2,2-TETRACHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1000
3	TOLUENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1000
7	CHLOROBENZENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1000
4	ETHYLBENZENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1000
5	STYRENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1000
-7	XYLENES(TOTAL)	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	1000

ASH LANDFILL SECOND QUARTER 1993 MONITORING
VOLATILE ANALYSIS RESULTS (TCL)

	AL2QMVOC.WK3 ASH1, ASH2	MATRIX LOCATION DATE SAMPL'D ES ID LAB ID UNITS	WATER ASH 04/22/93 PT-100(#) 35875-21		WATER ASH 04/20/93 PT-20 35832-20		WATER ASH 04/20/93 PT-21 35832-18		WATER ASH 04/20/93 PT-22 35832-17		WATER ASH 04/22/93 PT-23 35875-24		WATER ASH 04/21/93 PT-24 35864-33		
O.	COMPOUND														
	CHLOROMETHANE	ug/L	830	U	10	U	10	U	10	U	10	U	10	U	10
	BROMOMETHANE	ug/L	830	U	10	U	10	U	10	U	10	U	10	U	10
	VINYL CHLORIDE	ug/L	830	U	10	U	10	U	10	U	10	U	10	U	10
	CHLOROETHANE	ug/L	830	U	10	U	10	U	10	U	10	U	10	U	10
	METHYLENE CHLORIDE	ug/L	830	U	10	U	10	U	10	U	10	U	10	U	10
	ACETONE	ug/L	830	U	10	U	10	U	10	U	10	U	10	U	10
	CARBON DISULFIDE	ug/L	830	U	10	U	10	U	10	U	10	U	10	U	10
	1,1-DICHLOROETHENE	ug/L	830	U	10	U	10	U	10	U	10	U	10	U	10
	1,1-DICHLOROETHANE	ug/L	830	U	10	U	10	U	10	U	10	U	10	U	10
0	1,2-DICHLOROETHENE (total)	ug/L	360	J	7	J	10		140		10	U	81		87
	CHLOROFORM	ug/L	240	J	10	U	10	U	10	U	10	U	10	U	10
2	1,2-DICHLOROETHANE	ug/L	830	U	10	U	10	U	3	J	10	U	10	U	10
	2-BUTANONE	ug/L	830	U	10	U	10	U	10	U	10	U	10	U	10
	1,1,1-TRICHLOROETHANE	ug/L	830	U	10	U	10	U	10	U	10	U	10	U	10
	CARBON TETRACHLORIDE	ug/L	830	U	10	U	10	U	10	U	10	U	10	U	10
	BROMODICHLOROMETHANE	ug/L	830	U	10	U	10	U	10	U	10	U	10	U	10
	1,2-DICHLOROPROPANE	ug/L	830	U	10	U	10	U	10	U	10	U	10	U	10
-5	Cis-1,3-DICHLOROPROPENE	ug/L	830	U	10	U	10	U	10	U	10	U	10	U	10
	TRICHLOROETHENE	ug/L	14000		6	J	10	U	79		10	U	5	J	5
1	DIBROMOCHLOROMETHANE	ug/L	830	U	10	U	10	U	10	U	10	U	10	U	10
	1,1,2-TRICHLOROETHANE	ug/L	830	U	10	U	10	U	10	U	10	U	10	U	10
	BENZENE	ug/L	830	U	10	U	10	U	10	U	10	U	10	U	10
2-6	TRANS-1,3-DICHLOROPROPENE	ug/L	830	U	10	U	10	U	10	U	10	U	10	U	10
	BROMOFORM	ug/L	830	U	10	U	10	U	10	U	10	U	10	U	10
1	4-METHYL-2-PENTANONE	ug/L	830	U	10	U	10	U	10	U	10	U	10	U	10
6	2-HEXANONE	ug/L	830	U	10	U	10	U	10	U	10	U	10	U	10
4	TETRACHLOROETHENE	ug/L	830	U	10	U	10	U	10	U	10	U	10	U	10
	1,1,2,2-TETRACHLOROETHANE	ug/L	830	U	10	U	10	U	10	U	10	U	10	U	10
3	TOLUENE	ug/L	830	U	10	U	10	U	10	U	10	U	10	U	10
7	CHLOROBENZENE	ug/L	830	U	10	U	10	U	10	U	10	U	10	U	10
4	ETHYLBENZENE	ug/L	830	U	10	U	10	U	10	U	10	U	10	U	10
5	STYRENE	ug/L	830	U	10	U	10	U	10	U	10	U	10	U	10
-7	XYLENES(TOTAL)	ug/L	830	U	10	U	10	U	10	U	10	U	10	U	10

Notes:

(1) (#) Duplicate of PT-18

(2) (=) Duplicate of PT-24

ASH LANDFILL SECOND QUARTER 1993 MONITORING
VOLATILE ANALYSIS RESULTS (TCL)

	AL2QMVOC.WK3 ASH1, ASH2	MATRIX LOCATION DATE SAMPL'D ES ID LAB ID UNITS	WATER ASH 04/16/93 PT-25 35787-24		WATER ASH 04/18/93 PT-26 35801-16		WATER ASH 04/19/93 MW-27 35815-21		WATER ASH 04/21/93 MW-28 35864-36		WATER ASH 04/21/93 MW-29 35864-35		WATER ASH 04/17/93 MW-30 35792-24		
O.	COMPOUND														
	CHLOROMETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	BROMOMETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	VINYL CHLORIDE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	CHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	METHYLENE CHLORIDE	ug/L	10	U	10	U	2	BJ	10	U	10	U	10	U	10
	ACETONE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	CARBON DISULFIDE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	1,1-DICHLOROETHENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	1,1-DICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
0	1,2-DICHLOROETHENE (total)	ug/L	10	U	10	U	10	U	41		76		10	U	10
	CHLOROFORM	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
2	1,2-DICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	2-BUTANONE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	1,1,1-TRICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	CARBON TETRACHLORIDE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	BROMODICHLOROMETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	1,2-DICHLOROPROPANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
1-5	Cis-1,3-DICHLOROPROPENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	TRICHLOROETHENE	ug/L	10	U	10	U	10	U	22		10	U	10	U	10
1	DIBROMOCHLOROMETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	1,1,2-TRICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	BENZENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
2-6	TRANS-1,3-DICHLOROPROPENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	BROMOFORM	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
1	4-METHYL-2-PENTANONE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
6	2-HEXANONE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
4	TETRACHLOROETHENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	1,1,2,2-TETRACHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
3	TOLUENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
7	CHLOROBENZENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
4	ETHYLBENZENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
5	STYRENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
-7	XYLENES(TOTAL)	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10

ASH LANDFILL SECOND QUARTER 1993 MONITORING
VOLATILE ANALYSIS RESULTS (TCL)

	AL2QMVOC.WK3	MATRIX	WATER		WATER		WATER		WATER		WATER		WATER		
	ASH1, ASH2	LOCATION	ASH		ASH		ASH		ASH		ASH		ASH		
		DATE SAMPL'D	04/15/93		04/16/93		04/21/93		04/18/93		04/18/93		04/14/93		
		ES ID	MW-32		MW-33		MW-34		MW-35D		MW-36		MW-37		
		LAB ID	35787-23		35787-21		35763-49		35801-17		35801-18		35763-52		
		UNITS													
O.	COMPOUND														
	CHLOROMETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	BROMOMETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	VINYL CHLORIDE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	CHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	METHYLENE CHLORIDE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	9
	ACETONE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	CARBON DISULFIDE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	1,1-DICHLOROETHENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	1,1-DICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
0	1,2-DICHLOROETHENE (total)	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	CHLOROFORM	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
2	1,2-DICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	2-BUTANONE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	1,1,1-TRICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	CARBON TETRACHLORIDE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	BROMODICHLOROMETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	1,2-DICHLOROPROPANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
-5	Cis-1,3-DICHLOROPROPENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	TRICHLOROETHENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
1	DIBROMOCHLOROMETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	1,1,2-TRICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	BENZENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
2-6	TRANS-1,3-DICHLOROPROPENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	BROMOFORM	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
1	4-METHYL-2-PENTANONE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
6	2-HEXANONE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
4	TETRACHLOROETHENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	1,1,2,2-TETRACHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
3	TOLUENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
7	CHLOROBENZENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
4	ETHYLBENZENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
5	STYRENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
-7	XYLENES(TOTAL)	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10

ASH LANDFILL SECOND QUARTER 1993 MONITORING
VOLATILE ANALYSIS RESULTS (TCL)

	AL2QMVOC.WK3	MATRIX	WATER		WATER		WATER		WATER		WATER		WATER		
	ASH1, ASH2	LOCATION	ASH		ASH		ASH		ASH		ASH		ASH		
		DATE SAMPL'D	04/14/93		04/14/93		04/19/93		04/14/93		04/15/93		04/22/93		
		ES ID	MW-39		PT-102(!)		MW-40		MW-41D		MW-42D		PT-18R		
		LAB ID	35763-50		35763-51		35815-24		35763-41		35763-47		35875-22		
		UNITS													
O.	COMPOUND														
	CHLOROMETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	BROMOMETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	VINYL CHLORIDE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	CHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	METHYLENE CHLORIDE	ug/L	10	U	10	U	2	BJ	10	U	10	U	10	U	10
	ACETONE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	CARBON DISULFIDE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	1,1-DICHLOROETHENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	1,1-DICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
0	1,2-DICHLOROETHENE (total)	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	CHLOROFORM	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
2	1,2-DICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	2-BUTANONE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	1,1,1-TRICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	CARBON TETRACHLORIDE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	BROMODICHLOROMETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	1,2-DICHLOROPROPANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
-5	Cis-1,3-DICHLOROPROPENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	TRICHLOROETHENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
1	DIBROMOCHLOROMETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	1,1,2-TRICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	BENZENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
2-6	TRANS-1,3-DICHLOROPROPENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	BROMOFORM	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
1	4-METHYL-2-PENTANONE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
6	2-HEXANONE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
4	TETRACHLOROETHENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	1,1,2,2-TETRACHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
3	TOLUENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
7	CHLOROBENZENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
4	ETHYLBENZENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
5	STYRENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
-7	XYLENES(TOTAL)	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10

Notes:

(1) (!) Duplicate of MW-39

ASH LANDFILL SECOND QUARTER 1993 MONITORING
VOLATILE ANALYSIS RESULTS (TCL)

	AL2QMVOC.WK3	MATRIX	WATER		WATER		WATER		WATER		WATER		WATER		
	ASH1, ASH2	LOCATION	ASH		ASH		ASH		ASH		ASH		ASH		
		DATE SAMPL'D	04/14/93		04/22/93		04/21/93		04/20/93		04/18/93		04/14/93		
		ES ID	MW-39R		TB_P-7		TB_P-8		TB_P9		TB100A		TB_ES1		
		LAB ID	35763-40		35875-25		35864-37		35832-19		35801-19		35763-42		
		UNITS													
O.	COMPOUND														
	CHLOROMETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	BROMOMETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	VINYL CHLORIDE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	CHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	METHYLENE CHLORIDE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	ACETONE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	CARBON DISULFIDE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	1,1-DICHLOROETHENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	1,1-DICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
0	1,2-DICHLOROETHENE (total)	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	CHLOROFORM	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
2	1,2-DICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	2-BUTANONE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	1,1,1-TRICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	CARBON TETRACHLORIDE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	BROMODICHLOROMETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	1,2-DICHLOROPROPANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
1-5	Cis-1,3-DICHLOROPROPENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	TRICHLOROETHENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
1	DIBROMOCHLOROMETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	1,1,2-TRICHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	BENZENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
2-6	TRANS-1,3-DICHLOROPROPENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	BROMOFORM	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
1	4-METHYL-2-PENTANONE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
6	2-HEXANONE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
4	TETRACHLOROETHENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
	1,1,2,2-TETRACHLOROETHANE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
3	TOLUENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
7	CHLOROBENZENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
4	ETHYLBENZENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
5	STYRENE	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10
-7	XYLENES(TOTAL)	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10

ASH LANDFILL SECOND QUARTER 1993 MONITORING
VOLATILE ANALYSIS RESULTS (TCL)

	AL2QMVOC.WK3	MATRIX	WATER		WATER		WATER	
	ASH1, ASH2	LOCATION	ASH		ASH		ASH	
		DATE SAMPL'D	04/17/93		04/19/93		04/16/93	
		ES ID	TB_ES3		TB_ES8		TB_ES9	
		LAB ID	35792-22		35815-23		35787-22	
IO.	COMPOUND	UNITS						
	CHLOROMETHANE	ug/L	10	U	10	U	10	U
	BROMOMETHANE	ug/L	10	U	10	U	10	U
	VINYL CHLORIDE	ug/L	10	U	10	U	10	U
	CHLOROETHANE	ug/L	10	U	10	U	10	U
	METHYLENE CHLORIDE	ug/L	10	U	10	U	10	U
	ACETONE	ug/L	10	U	10	U	10	U
	CARBON DISULFIDE	ug/L	10	U	10	U	10	U
	1,1-DICHLOROETHENE	ug/L	10	U	10	U	10	U
	1,1-DICHLOROETHANE	ug/L	10	U	10	U	10	U
0	1,2-DICHLOROETHENE (total)	ug/L	10	U	10	U	10	U
	CHLOROFORM	ug/L	10	U	10	U	10	U
2	1,2-DICHLOROETHANE	ug/L	10	U	10	U	10	U
	2-BUTANONE	ug/L	10	U	10	U	10	U
	1,1,1-TRICHLOROETHANE	ug/L	10	U	10	U	10	U
	CARBON TETRACHLORIDE	ug/L	10	U	10	U	10	U
	BROMODICHLOROMETHANE	ug/L	10	U	10	U	10	U
	1,2-DICHLOROPROPANE	ug/L	10	U	10	U	10	U
1-5	Cis-1,3-DICHLOROPROPENE	ug/L	10	U	10	U	10	U
	TRICHLOROETHENE	ug/L	10	U	10	U	10	U
1	DIBROMOCHLOROMETHANE	ug/L	10	U	10	U	10	U
	1,1,2-TRICHLOROETHANE	ug/L	10	U	10	U	10	U
	BENZENE	ug/L	10	U	10	U	10	U
2-6	TRANS-1,3-DICHLOROPROPENE	ug/L	10	U	10	U	10	U
	BROMOFORM	ug/L	10	U	10	U	10	U
1	4-METHYL-2-PENTANONE	ug/L	10	U	10	U	10	U
6	2-HEXANONE	ug/L	10	U	10	U	10	U
4	TETRACHLOROETHENE	ug/L	10	U	10	U	10	U
	1,1,2,2-TETRACHLOROETHANE	ug/L	10	U	10	U	10	U
3	TOLUENE	ug/L	10	U	10	U	10	U
7	CHLOROBENZENE	ug/L	10	U	10	U	10	U
4	ETHYLBENZENE	ug/L	10	U	10	U	10	U
5	STYRENE	ug/L	10	U	10	U	10	U
-7	XYLENES(TOTAL)	ug/L	10	U	10	U	10	U

ASH LANDFILL SECOND QUARTER 1993 MONITORING
VOLATILE ANALYSIS RESULTS (524.2)

AL2QM524.WK3 ASH1		MATRIX SITE DATE ES ID LAB ID	WATER ASH 04/16/93 FH-S 35763-043	WATER ASH 04/16/93 FH-D 35763-044	WATER ASH 04/16/93 BRN-S 35763-045	WATER ASH 04/16/93 TB 135 35763-046
	COMPOUND	UNITS				
74-87-3	Chloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
630-20-6	1,1,1,2-Tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
74-83-9	Bromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
79-34-5	1,1,2,2-Tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
75-71-8	Dichlorodifluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
96-18-4	1,2,3-Trichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
75-01-4	Vinyl chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
127-18-4	Tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
75-00-3	Chloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
96-12-8	1,2-Dibromo-3-chloropropane	ug/L	2 U	2 U	2 U	2 U
75-09-2	Methylene chloride	ug/L	1	1	1	1
87-68-3	Hexachlorobutadiene	ug/L	1 U	1 U	1 U	1 U
75-69-4	Trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
71-43-2	Benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
75-35-4	1,1-Dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
108-88-3	Toluene	ug/L	2	1	1	0.5 U
74-97-5	Bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
108-90-7	Chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
75-34-3	1,1-Dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
100-41-4	Ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
156-59-4	1,2-Dichloroethene (cis)	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
108-86-1	Bromobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
156-60-5	1,2-Dichloroethene (trans)	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
98-82-8	Isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
67-66-3	Chloroform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
1330-20-7	Xylene (total)	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
74-95-3	Dibromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
100-42-5	Styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
107-06-2	1,2-Dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
103-65-1	n-Propylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
590-20-7	2,2-Dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
98-06-6	tert-Butylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
71-55-6	1,1,1-Trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
95-49-8	2-Chlorotoluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
56-23-5	Carbon Tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
106-43-4	4-Chlorotoluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
75-27-4	Bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
135-98-8	sec-Butylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
78-87-5	1,2-Dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
541-73-1	1,3-Dichlorobenzene	ug/L	1 U	1 U	1 U	1 U
563-58-6	1,1-Dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
95-50-1	1,2-Dichlorobenzene	ug/L	1 U	1 U	1 U	1 U
10061-01-5	cis-1,3-Dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
106-46-7	1,4-Dichlorobenzene	ug/L	1 U	1 U	1 U	1 U
10061-02-6	trans-1,3-Dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
99-87-6	p-Isopropyltoluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
79-01-6	Trichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
108-67-8	1,3,5-Trimethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
124-48-1	Dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
104-51-8	n-Butylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
79-00-5	1,1,2-Trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
95-63-6	1,2,4-Trimethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
142-28-9	1,3-Dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
120-82-1	1,2,4-Trichlorobenzene	ug/L	2 U	2 U	2 U	2 U
106-93-4	1,2-Dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
87-61-6	1,2,3-Trichlorobenzene	ug/L	2 U	2 U	2 U	2 U
75-25-2	Bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
91-20-3	Naphthalene	ug/L	2 U	2 U	2 U	2 U

1.3 Summary of Volatile Historical Data for Selected Wells

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

Parameter	Source: Units	Gaslon Aug 1987	Gaslon Oct 1987	Gaslon Mar 1989	Gaslon Sept 1989	NET Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NET Dec 199
LATILE ORGANICS										
hane	ug/L	<5	<5	10U	50U	<1.0	<5.0	<5.0	51.0	<1
n	ug/L	<5	<5	5U	50U	<1.0	<5.0	<5.0	<1.0	<1
ide	ug/L	<5	<5	10U	17	7	<2.0	<2.0	140	<1
ane	ug/L	<5	<5	10U	50U	<1.0	<5.0	<5.0	<1.0	<1
Chloride	ug/L	<5	<5	5U	25U	<1.0	<5.0	<5.0	<1.0	<1
hlorethane	ug/L	<5	<5	5U	25U	<1.0	<5.0	<5.0	<1.0	<1
roethane	ug/L	<5	<5	5U	25U	<1.0	<5.0	<5.0	<1.0	<1
roethene	ug/L	<5	<5	5U	25U	1.5	<5.0	<5.0	<1.0	<1
hene	ug/L	1700	94	68	950	129	100	790	3100	87
oethene	ug/L	<5	<5	5U	25U	<1.0	<5.0	<5.0	<1.0	<1
uoromethane	ug/L	<5	<5	5U	25U	<1.0	<5.0	<5.0	<1.0	<1
-Dichloroethene	ug/L	<5	95.0	5U	25U	<1.0	<5.0	<5.0	<1.0	<1
Dichloroethene	ug/L	–	–	–	–	–	–	–	–	
roethene (total)	ug/L	–	–	43.0	1000.0	–	–	–	–	

Notes:

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

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

Parameter	Source: Units	NET June 1991	NET Sept 1991	NET Dec 1991	NET Mar 1992	NET June 1992	Sept 1992	GTC Dec 1992	ES Jan 1993	ES April 1993
LATILE ORGANICS										
hane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	20U	10U
n	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	20U	10U
ide	ug/L	35	160	1.5	<1.0	14	–	5U	9.0	10U
ane	ug/L	30.0	<1.0	<1.0	<1.0	<1.0	–	5U	20U	10U
Chloride	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	20U	10U
hloroethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	20U	10U
oroethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	20U	10U
oroethene	ug/L	<10	7.2	<1.0	<1.0	<1.0	–	5U	20U	10U
hene	ug/L	2100	1350	170	119	323	–	1800	260	45.0
oethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	20U	10U
uoromethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	20U	10U
-Dichloroethene	ug/L	51.0	63.2	2.7	<1.0	5.8	–	54	–	–
Dichloroethene	ug/L	–	–	–	–	–	–	2800	–	–
oroethene (total)	ug/L	–	–	–	–	–	–	–	320	36.0

Notes:

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

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

Parameter	Source: Units	Gaison Aug 1987	Gaison OCT 1987	Gaison Mar 1989	Gaison Sept 1989	NET Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NE Dec 199
OLATILE ORGANICS										
thane	ug/L	–	–	10U	<20	<1.0	<5.0	<5.0	<1.0	<1
n	ug/L	–	–	10U	<20	<1.0	<5.0	<5.0	<1.0	<1
ride	ug/L	–	–	10U	<20	<1.0	<2.0	<2.0	<1.0	<1
ane	ug/L	–	–	5U	<20	<1.0	<5.0	<5.0	<1.0	<1
Chloride	ug/L	–	–	5U	<10	<1.0	<5.0	<5.0	<1.0	<1
hloroethane	ug/L	–	–	5U	<10	<1.0	<5.0	<5.0	<1.0	<1
oroethane	ug/L	–	–	5U	<10	<1.0	<5.0	<5.0	<1.0	<1
oroethene	ug/L	–	–	5U	<10	<1.0	<5.0	<5.0	<1.0	<1
thene	ug/L	–	–	59	240	170	90	400	340	9
oethene	ug/L	–	–	5U	<10	<1.0	<5.0	<5.0	<1.0	<1
uoromethane	ug/L	–	–	5U	<10	<1.0	<5.0	<5.0	<1.0	<1
–Dichloroethene	ug/L	–	–	5U	<10	<1.0	<5.0	<5.0	<1.0	<1
Dichloroethene	ug/L	–	–	–	–	–	–	–	–	
oroethene (total)	ug/L	–	–	–	46	–	–	–	–	

Notes:

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

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

Parameter	Source: Units	NET June 1991	NET Sept 1991	NET Dec 1991	NET Mar 1992	NET June 1992	Sept 1992	GTC Dec 1992	ES Jan 1993	ES April 1993
LATILE ORGANICS										
hane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
n	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
ride	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
ane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
Chloride	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
hloroethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
oroethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
oroethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
thene	ug/L	460	529	75.1	100	72.4	–	160	140	27
oethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
uoromethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
–Dichloroethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	–	–
Dichloroethene	ug/L	–	–	–	–	–	–	35	–	–
oroethene (total)	ug/L	–	–	–	–	–	–	–	27	3J

Notes:

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– = No Data

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

Parameter	Source: Units	Galson Aug 1987	Galson OCT 1987	Galson Mar 1989	Galson Sept 1989	NET Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NE Dec 199
LATILE ORGANICS										
hane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
n	ug/L	–	–	–	–	86	230	<5.0	610	70
ride	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
ane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
Chloride	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
hloroethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
oroethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
oroethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
hene	ug/L	–	–	–	–	2500	7600	5900	17000	2200
oethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
uoromethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
–Dichloroethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
Dichloroethene	ug/L	–	–	–	–	–	–	–	–	
oroethene (total)	ug/L	–	–	–	–	–	–	–	–	

Notes:

Gaslon = Gaslon Laboratories
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– = No Data

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

Parameter	Source: Units	NET June 1991	NET Sept 1991	NET Dec 1991	NET Mar 1992	NET June 1992	Sept 1992	GTC Dec 1992	ES Jan 1993	ES April 1993
OLATILE ORGANICS										
hane	ug/L	<10	<1.0	<1.0	<1.0	<100	–	5U	1000U	1000U
n	ug/L	490	457	157	11.7	175	–	270	200	300J
ride	ug/L	<10	<1.0	<1.0	<1.0	<100	–	10.0	1000U	1000U
ane	ug/L	<10	<1.0	<1.0	<1.0	<100	–	5U	1000U	1000U
Chloride	ug/L	<10	<1.0	<1.0	<1.0	<100	–	5U	1000U	1000U
hloroethane	ug/L	<10	<1.0	<1.0	<1.0	<100	–	5U	1000U	1000U
oroethane	ug/L	<10	<1.0	<1.0	<1.0	<100	–	5U	1000U	1000U
oroethene	ug/L	<10	<1.0	1.7	<1.0	<100	–	5U	1000U	1000U
thene	ug/L	12000	10000	3710	9840	7920	–	14000	10000	16000
oethene	ug/L	<10	<1.0	<1.0	<1.0	<100	–	5U	1000U	1000U
uoromethane	ug/L	<10	<1.0	<1.0	<1.0	<100	–	5U	1000U	1000U
–Dichloroethene	ug/L	<10	<1.0	3.0	<1.0	<100	–	5U	–	–
Dichloroethene	ug/L	–	–	–	–	–	–	700	–	–
oroethene (total)	ug/L	–	–	–	–	–	–	–	440	450

Notes:

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– = No Data

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

Parameter	Source: Units	Gaison Aug 1987	Gaison OCT 1987	Gaison Mar 1989	Gaison Sept 1989	NET Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NE Dec 199
LATILE ORGANICS										
hane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
n	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
ride	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
ane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
Chloride	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
hloroethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
oroethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
oroethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
thene	ug/L	–	–	–	–	23	26	46	52	3
oethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
uoromethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
–Dichloroethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
Dichloroethene	ug/L	–	–	–	–	–	–	–	–	
oroethene (total)	ug/L	–	–	–	–	–	–	–	–	

Notes:

Gaslon = Gaslon Laboratories
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– = No Data

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

Parameter	Source: Units	NET June 1991	NET Sept 1991	NET Dec 1991	NET Mar 1992	NET June 1992	Sept 1992	GTC Dec 1992	ES Jan 1993	ES April 1993
LATILE ORGANICS										
hane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
ide	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
ne	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
Chloride	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
hloroethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
roethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
roethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
hene	ug/L	36	30	34	21	18	–	24	23	6J
ethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
oromethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
-Dichloroethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	–	–
ichloroethene	ug/L	–	–	–	–	–	–	26	–	–
roethene (total)	ug/L	–	–	–	–	–	–	–	26	7J

Notes:

Gaslon = Gaslon Laboratories
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– = No Data

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

Parameter	Source: Units	Galson Aug 1987	Galson Oct 1987	Galson Mar 1989	Galson Sept 1989	NET Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NET Dec 199
LATILE ORGANICS										
hane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
ide	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
ne	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
Chloride	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
hloroethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	2.(
roethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
roethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
hene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	1.0	3.(
ethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	5.(
oromethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	5.(
-Dichloroethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
ichloroethene	ug/L	–	–	–	–	–	–	–	–	.
roethene (total)	ug/L	–	–	–	–	–	–	–	–	-

Notes:

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

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

Parameter	Source: Units	NET June 1991	NET Sept 1991	NET Dec 1991	NET Mar 1992	NET June 1992	Sept 1992	GTC Dec 1992	ES Jan 1993	ES April 1993
LATILE ORGANICS										
hane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	–	10U
	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	–	10U
ide	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	–	10U
ne	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
hloroethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	–	10U
roethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	–	10U
roethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	–	10U
hene	ug/L	2.0	<1.0	2.5	2.4	2.3	–	5U	–	10U
ethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	–	10U
oromethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	–	10U
-Dichloroethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	–	–
ichloroethene	ug/L	–	–	–	–	–	–	17.0	–	–
roethene (total)	ug/L	–	–	–	–	–	–	–	–	10.0

Notes:

Gaslon = Gaslon Laboratories
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– = No Data

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

Parameter	Source: Units	Gaison Aug 1987	Gaison OCT 1987	Gaison Mar 1989	Gaison Sept 1989	NET Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NET Dec 199
LATILE ORGANICS										
hane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
ide	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
ne	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
Chloride	ug/L	–	–	–	–	<1.0	<5.0	6.0	<1.0	<1
hloroethane	ug/L	–	–	–	–	1.0	<5.0	<5.0	<1.0	<1
roethane	ug/L	–	–	–	–	7.0	6.0	10.0	8.0	7.0
roethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
hene	ug/L	–	–	–	–	87	100	200	87	93
oethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
oromethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1
-Dichloroethene	ug/L	–	–	–	–	4.0	<5.0	<5.0	<1.0	4.0
ichloroethene	ug/L	–	–	–	–	–	–	–	–	
roethene (total)	ug/L	–	–	–	–	–	–	–	–	

Notes:

Gaslon = Gaslon Laboratories
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– = No Data

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

Parameter	Source: Units	NET June 1991	NET Sept 1991	NET Dec 1991	NET Mar 1992	NET June 1992	Sept 1992	GTC Dec 1992	ES Jan 1993	ES April 1993
LATILE ORGANICS										
hane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
de	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
ne	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
Chloride	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
hloroethane	ug/L	<10	<1.0	1.3	<1.0	<1.0	–	5U	10U	10U
roethane	ug/L	8.0	<1.0	3.0	4.4	<1.0	–	5.2	5.0	3J
roethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
hene	ug/L	100	74.9	69.3	73.9	98.9	–	89	89	79
ethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
oromethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
-Dichloroethene	ug/L	3.0	<1.0	1.4	1.7	2.4	–	5U	–	–
ichloroethene	ug/L	–	–	–	–	–	–	150	–	–
roethene (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: Units	Galson Aug 1987	Galson OCT 1987	Galson Mar 1989	Galson Sept 1989	NET Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NET Dec 1990
LATILE ORGANICS										
hane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1(
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1(
de	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1(
ne	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1(
Chloride	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1(
hloroethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1(
roethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1(
roethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1(
hene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1(
ethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1(
oromethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1(
-Dichloroethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1(
ichloroethene	ug/L	–	–	–	–	–	–	–	–	–
roethene (total)	ug/L	–	–	–	–	–	–	–	–	–

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: Units	NET June 1991	NET Sept 1991	NET Dec 1991	NET Mar 1992	NET June 1992	Sept 1992	GTC Dec 1992	ES Jan 1993	ES April 1993
LATILE ORGANICS										
hane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
ide	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
ne	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
Chloride	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
hloroethane	ug/L	<10	<1.0	7.9	<1.0	<1.0	–	5U	10U	10U
roethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
roethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
hene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	1.0	10U
ethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
oromethane	ug/L	<10	<1.0	3.0	<1.0	<1.0	–	5U	10U	10U
-Dichloroethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	–	–
ichloroethene	ug/L	–	–	–	–	–	–	5U	–	–
roethene (total)	ug/L	–	–	–	–	–	–	–	1.0	10U

Notes:

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GTC = General Testing Corporation
ES = Engineering–Science, Inc. (AQUATEC and PACE Laboratories)
– = No Data

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

Parameter	Source: Units	Gaison Aug 1987	Gaison OCT 1987	Gaison Mar 1989	Gaison Sept 1989	NET Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NET Dec 1990
LATILE ORGANICS										
hane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10
de	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10
ne	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10
Chloride	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10
loroethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	1.0	1.0
roethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10
roethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10
nene	ug/L	–	–	–	–	4.0	6.0	9.0	2.0	6.0
ethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10
oromethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10
-Dichloroethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10
ichloroethene	ug/L	–	–	–	–	–	–	–	–	–
roethene (total)	ug/L	–	–	–	–	–	–	–	–	–

Notes:

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

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

Parameter	Source: Units	NET June 1991	NET Sept 1991	NET Dec 1991	NET Mar 1992	NET June 1992	Sept 1992	GTC Dec 1992	ES Jan 1993	ES April 1993
LATILE ORGANICS										
hane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
de	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
ne	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
Chloride	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
hloroethane	ug/L	1.0	<1.0	126	<1.0	<1.0	–	5U	10U	10U
roethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
roethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
hene	ug/L	8.0	8.6	2.8	4.4	6.2	–	6.7	7.0	5J
ethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
oromethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
-Dichloroethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	–	–
ichloroethene	ug/L	–	–	–	–	–	–	110	–	–
roethene (total)	ug/L	–	–	–	–	–	–	–	100	81

Notes:

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– = No Data

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

Parameter	Source: Units	Gaison Aug 1987	Gaison OCT 1987	Gaison Mar 1989	Gaison Sept 1989	NET Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NET Dec 1990
LATILE ORGANICS										
hane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1(
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1(
ide	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1(
ne	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1(
Chloride	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1(
loroethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1(
oethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1(
roethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1(
nene	ug/L	–	–	–	–	27.0	37.0	39.0	28.0	36.(
ethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1(
romethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1(
-Dichloroethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<1(
ichloroethene	ug/L	–	–	–	–	–	–	–	–	–
roethene (total)	ug/L	–	–	–	–	–	–	–	–	–

Notes:

Gaslon = Gaslon Laboratories
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– = No Data

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

Parameter	Source: Units	NET June 1991	NET Sept 1991	NET Dec 1991	NET Mar 1992	NET June 1992	Sept 1992	GTC Dec 1992	ES Jan 1993	ES April 1993
LATILE ORGANICS										
hane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
de	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
ne	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
Chloride	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
loroethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
ethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
roethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
hene	ug/L	39.0	21.2	30.2	28.4	25.8	–	30.0	30.0	22.0
ethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
romethane	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	10U	10U
-Dichloroethene	ug/L	<10	<1.0	<1.0	<1.0	<1.0	–	5U	–	–
ichloroethene	ug/L	–	–	–	–	–	–	51.0	–	–
roethene (total)	ug/L	–	–	–	–	–	–	–	47.0	41.0

Notes:

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– = No Data

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

Parameter	Source: Units	Galson Aug 1987	Galson OCT 1987	Galson Mar 1989	Galson Sept 1989	NET Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NET Dec 1990
LATILE ORGANICS										
hane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10
de	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10
ne	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10
Chloride	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10
hloroethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	1.0
roethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10
roethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10
hene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10
oethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10
ethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10
uoromethane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10
-Dichloroethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10
ichloroethene	ug/L	–	–	–	–	–	–	–	–	–
roethene (total)	ug/L	–	–	–	–	–	–	–	–	–

Notes:

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

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

Parameter	Source: Units	NET June 1991	NET Sept 1991	NET Dec 1991	NET Mar 1992	NET June 1992	Sept 1992	GTC Dec 1992	ES Jan 1993	ES April 1993
LATILE ORGANICS										
hane	ug/L	<10	–	<1.0	<1.0	<1.0	–	5U	10U	10U
	ug/L	<10	–	<1.0	<1.0	<1.0	–	5U	10U	10U
de	ug/L	<10	–	<1.0	<1.0	<1.0	–	5U	10U	10U
ne	ug/L	<10	–	<1.0	<1.0	<1.0	–	5U	10U	10U
Chloride	ug/L	<10	–	<1.0	<1.0	<1.0	–	5U	10U	10U
hloroethane	ug/L	2.0	–	<1.0	<1.0	<1.0	–	5U	10U	10U
roethane	ug/L	<10	–	<1.0	<1.0	<1.0	–	5U	10U	10U
roethene	ug/L	<10	–	<1.0	<1.0	<1.0	–	5U	10U	10U
hene	ug/L	1.0	–	1.2	<1.0	<1.0	–	5U	2.0	10U
oethane	ug/L	1.0	–	<1.0	<1.0	<1.0	–	5U	10U	10U
ethene	ug/L	<10	–	<1.0	<1.0	<1.0	–	5U	10U	10U
uoromethane	ug/L	<10	–	<1.0	<1.0	<1.0	–	5U	10U	10U
-Dichloroethene	ug/L	<10	–	<1.0	<1.0	<1.0	–	5U	–	–
ichloroethene	ug/L	–	–	–	–	–	–	67.0	–	–
roethene (total)	ug/L	–	–	–	–	–	–	–	70.0	78.0

Notes:

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

Section 2.0

Indicator Parameters

ASH LANDFILL SECOND QUARTER 1993 MONITORING
INDICATOR ANALYSIS RESULTS

WK3

	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	SITE	ASH	ASH	ASH	ASH	ASH	ASH
	DATE SAMPL'D	04/16/93	04/19/93	04/20/93	04/16/93	04/17/93	04/21/93
	ES ID	PT-10	PT-11	PT-12	PT-15	PT-16	PT-17
	LAB ID	*	*	*	*	*	*
METER	UNITS						
	mg/L	62	43	5	7	9	25
	mg/L	21	170	110	42	26	24
ductance	umhos/cm	810	1100	770	530	570	500
	units	7.34	7.31	6.89	7.58	7.14	7.19
ite	mg/L as N	0.05 U	1 U	1 U	0.20	0.05 U	0.39
Carbon	mg/L	4	3	2	1 U	3	1 U
Halides	mg/L	0.02 U	0.02 U	0.05	0.02 U	0.02 U	(#)

Notes:

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

(2) (#) Not enough sample for analysis

ASH LANDFILL SECOND QUARTER 1993 MONITORING
INDICATOR ANALYSIS RESULTS

WK3

	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	SITE	ASH	ASH	ASH	ASH	ASH	ASH
	DATE SAMPL'D	04/22/93	04/20/93	04/20/93	04/22/93	04/21/93	04/21/93
	ES ID	PT−100(+)	PT−20	PT−22	PT−23	PT−24	PT−101(−)
	LAB ID	*	*	*	*	*	*
METER	UNITS						
	mg/L	55	9	44	10	16	15
	mg/L	190	70	88	18	44	35
ductance	umhos/cm	1200	690	840	590	620	620
	units	7.00	7.04	6.95	7.37	7.16	7.1
ite	mg/L as N	0.05 U	1 U	1 U	0.06	0.28	0.3
c Carbon	mg/L	4	2	3	1 U	2	1 U
c Halides	mg/L	4.5	0.02 U	0.12	0.03	0.05	0.04

Notes:

(1) * The Lab ID is different for each parameter
(2) (+) Duplicate of PT−18
(3) (−) Duplicate of PT−24

ASH LANDFILL SECOND QUARTER 1993 MONITORING
INDICATOR ANALYSIS RESULTS

WK3

	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	SITE	ASH	ASH	ASH	ASH	ASH	ASH
	DATE SAMPL'D	04/18/93	04/19/93	04/21/93	04/21/93	04/17/93	04/17/93
	ES ID	PT−26	MW−27	MW−28	MW−29	MW−30	MW−31
	LAB ID	*	*	*	*	*	*
METER	UNITS						
	mg/L	12	36	23	14	28	15
	mg/L	110	47	27	71	39	22
ductance	umhos/cm	820	700	600	770	630	520
	units	7.29	7.17	7.17	7.11	7.24	7.14
ite	mg/L as N	0.31	1 U	0.13	0.38	0.35	0.13
Carbon	mg/L	2	2	1 U	1 U	2	4
Halides	mg/L	0.02 U	0.02 U	0.03	0.06	0.02 U	0.02 U

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

ASH LANDFILL SECOND QUARTER 1993 MONITORING
INDICATOR ANALYSIS RESULTS

WK3

METER	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	SITE	ASH	ASH	ASH	ASH	ASH	ASH
	DATE SAMPL'D	04/16/93	04/15/93	04/18/93	04/18/93	04/14/93	04/19/93
	ES ID	MW-33	MW-34	MW-35D	MW-36	MW-37	MW-38D
	LAB ID	*	*	*	*	*	*
	UNITS						
	mg/L	10	21	24	29	52	10
	mg/L	29	36	26	78	42	36
ductance	umhos/cm	480	700	530	760	750	540
	units	6.89	7.14	7.85	7.70	7.13	7.4
ite	mg/L as N	1.1	0.14	1 U	2.5	0.1	1 U
c Carbon	mg/L	2	1 U	5	1	1	1 U
c Halides	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.04	0.02 U

Notes:

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

ASH LANDFILL SECOND QUARTER 1993 MONITORING
INDICATOR ANALYSIS RESULTS

WK3

	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	SITE	ASH	ASH	ASH	ASH	ASH	ASH
	DATE SAMPL'D	04/14/93	04/19/93	04/14/93	04/15/93	04/15/93	04/15/93
	ES ID	PT−102(=)	MW−40	MW−41D	MW−42D	FH−S	FH−D
	LAB ID	*	*	*	*	*	*
METER	UNITS						
	mg/L	21	4	9	3	8	18
	mg/L	22	95	42	22	49	62
ductance	umhos/cm	530	610	670	570	770	820
	units	7.22	7.29	7.51	7.44	7.16	8.16
rite	mg/L as N	0.09	1 U	0.14	0.05	2.5	0.05 U
c Carbon	mg/L	2	1 U	1 U	1	2	2
c Halides	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U

Notes:
(1) * The Lab ID is different for each parameter
(2) (=) Duplicate of MW−39

ASH LANDFILL SECOND QUARTER 1993 MONITORING
INDICATOR ANALYSIS RESULTS

WK3

	MATRIX	WATER	WATER	WATER
	SITE	ASH	ASH	ASH
	DATE SAMPL'D	04/22/93	04/21/93	04/14/93
	ES ID	PT-18R	PT-24R	MW-39R
	LAB ID	*	*	*
METER	UNITS			
	mg/L	1 U	1 U	1 U
	mg/L	1 U	1 U	1 U
ductance	umhos/cm	2.8	2.7	3.1
	units	6.03	6.02	5.56
ite	mg/L as N	0.05 U	0.05 U	0.05 U
Carbon	mg/L	1	1 U	1 U
Halides	mg/L	0.02 U	0.02 U	0.02 U

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