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

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

PREPARED BY:

Engineering-Science, Inc.
Boston, Massachusetts

March 1993
D#10

ENGINEERING-SCIENCE, INC.

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March 17, 1993
770454-01005

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

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

Dear Mr. Healy:

Enclosed are the analytical results for the first quarter groundwater monitoring for 1993. The analytical results are divided into three major groups, volatile organic compounds, metals and miscellaneous parameters (Sections 1, 2 and 3, respectively, in the enclosed document). Generally, the results of the first 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/cmf/D#10

Enclosure

PARSONS

DEPARTMENT OF THE ARMY
SENECA army DEPOT
ROMULUS, NEW YORK 14541-5001

REPLY TO
ATTENTION OF

March 26, 1993

Office of Engineering/Environmental
Management Division

Ms. Joseph Nogle
RD East lake Road
Geneva, New York 14456

Dear Mr. Nogle:

Enclosed please find first quarter 1993 well analysis results at your property on Smith Vineyard Road.

If you have any questions or comments regarding this correspondence, please contact Mr. James Miller at (607) 869-1450.

Sincerely,

Stephen M. Absolom
Chief, Engineering/Environmental
Management Division

Enclosures

Copies Furnished:

Mr. Albert Updike, Box 139 Halls Corner Road, Interlaken, NY 14847

Mr. Allen Nivison, Town Supervisor, Town of Romulus, P.O. Box 177, 1507 Main Street, Willard, NY 14588

Mr. John Nicit, Attorney At Law, 20 West Main St., Waterloo, NY 13165

Mr. & Mrs. Thomas Shaw, Smith Vineyard Road, MacDougal, NY 14456

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1.1 Summary of Volatile Analysis Results (TCL and 524.2)

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

ORING LL	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)
	10 U	10 U	10 U	10 U	10 U	ND
	10 U	10 U	10 U	10 U	10 U	ND
	320	260	9 J	20 U	20 U	589
	10 U	10 U	10 U	10 U	10 U	ND
	10 U	10 U	10 U	10 U	10 U	ND
	27	140	10 U	10 U	10 U	167
	440 J	10000	1000 U	200 J	1000 U	10640
(1)	NA	NA	NA	NA	NA	NA
	26	23	10 U	10 U	10 U	49
(1)	NA	NA	NA	NA	10 U	ND
	140	89	10 U	10 U	5 J	234
	1 J	1 J	10 U	10 U	10 U	2
	7 J	100	10 U	10 U	10 U	107
	10 U	10 U	10 U	10 U	10 U	ND
	10 U	10 U	10 U	10 U	10 U	ND
7	10 U	10 U	10 U	10 U	10 U	ND
8	30	47	10 U	10 U	10 U	77
9	70	2	10 U	10 U	10 U	72
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	10 U	10 U	10 U	10 U	10 U	ND
3	10 U	10 U	10 U	10 U	10 U	ND
4	10 U	10 U	10 U	10 U	10 U	ND
5D	10 U	10 U	10 U	10 U	10 U	ND
6	10 U	10 U	10 U	10 U	10 U	ND
7	10 U	10 U	10 U	10 U	10 U	ND
8D	10 U	10 U	10 U	10 U	10 U	ND
9	10 U	10 U	10 U	10 U	10 U	ND
0	10 U	10 U	10 U	10 U	10 U	ND
1D	10 U	10 U	10 U	10 U	10 U	ND
2D	10 U	10 U	10 U	10 U	10 U	ND
	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	ND
(2)	NA	NA	NA	NA	NA	NA
5	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) = Well could not be sampled because of thick ice
(2) = Not sampled because farm house well pump was not operable
J = Estimated Value
U = Not detected above the limit shown
NA = Not Analyzed

1.2 Volatile Analysis Results (TCL and 524.2)

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

V35166.O1A V35129.O1A	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	SITE	ASH	ASH	ASH	ASH	ASH	ASH
	DATE SAMP'D	01/13/93	01/13/93	01/18/93	01/20/93	01/14/93	01/14/93
	ES ID	PT-10 (1)	PT-52 (1,2)	PT-11	PT-12	PT-15 (1)	PT-16
	LAB ID	177279	177281	177442	177591	177381	177348
COMPOUND	UNITS						
Chloromethane	ug/L	10 U	10 U	10 U	20 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	20 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	9 J	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	20 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U	20 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U	20 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U	20 U	10 U	10 U
,1-Dichloroethene	ug/L	10 U	10 U	10 U	20 U	10 U	10 U
,1-Dichloroethane	ug/L	10 U	10 U	10 U	20 U	10 U	10 U
,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U	320	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U	20 U	10 U	10 U
,2-Dichloroethane	ug/L	10 U	10 U	10 U	20 U	10 U	10 U
-Butanone	ug/L	10 U	10 U	10 U	20 U	10 U	10 U
,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	20 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	20 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U	20 U	10 U	10 U
,2-Dichloropropane	ug/L	10 U	10 U	10 U	20 U	10 U	10 U
is-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	20 U	10 U	10 U
richloroethene	ug/L	10 U	10 U	10 U	260	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	20 U	10 U	10 U
,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	20 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U	20 U	10 U	10 U
rans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	20 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U	20 U	10 U	10 U
-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	20 U	10 U	10 U
-Hexanone	ug/L	10 U	10 U	10 U	20 U	10 U	10 U
etrachloroethene	ug/L	10 U	10 U	10 U	20 U	10 U	10 U
,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	20 U	10 U	10 U
oluene	ug/L	10 U	10 U	10 U	20 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U	20 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	20 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U	20 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U	20 U	10 U	10 U

Notes:

(1) = Tentatively Identified Compound (TIC) - Methane, chlorodifluoro-

(2) = Duplicate of MW-10

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

V35166.O1A V35129.O1A	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	SITE	ASH	ASH	ASH	ASH	ASH	ASH
	DATE SAMP'D	01/20/93	01/19/93	01/20/93	01/20/93	01/19/93	01/19/93
	ES ID	PT-18	PT-20	PT-22	PT-23	PT-24	PT-51 (3)
	LAB ID	177592	177509	177593	177594	177510	177511
COMPOUND	UNITS						
hloromethane	ug/L	1000 U	10 U	10 U	10 U	10 U	10 U
romomethane	ug/L	1000 U	10 U	10 U	10 U	10 U	10 U
nyl Chloride	ug/L	1000 U	10 U	10 U	10 U	10 U	10 U
hloroethane	ug/L	1000 U	10 U	10 U	10 U	10 U	10 U
ethylene Chloride	ug/L	1000 U	10 U	10 U	10 U	10 U	10 U
cetone	ug/L	1000 U	10 U	10 U	10 U	10 U	10 U
arbon Disulfide	ug/L	1000 U	10 U	10 U	10 U	10 U	10 U
1-Dichloroethene	ug/L	1000 U	10 U	10 U	10 U	10 U	10 U
1-Dichloroethane	ug/L	1000 U	10 U	10 U	10 U	10 U	10 U
2-Dichloroethene (total)	ug/L	440 J	26	140	1 J	100	100
hloroform	ug/L	200 J	10 U	10 U	10 U	10 U	10 U
2-Dichloroethane	ug/L	1000 U	10 U	5 J	10 U	10 U	10 U
-Butanone	ug/L	1000 U	10 U	10 U	10 U	10 U	10 U
1,1-Trichloroethane	ug/L	1000 U	10 U	10 U	10 U	10 U	10 U
arbon Tetrachloride	ug/L	1000 U	10 U	10 U	10 U	10 U	10 U
romodichloromethane	ug/L	1000 U	10 U	10 U	10 U	10 U	10 U
2-Dichloropropane	ug/L	1000 U	10 U	10 U	10 U	10 U	10 U
s-1,3-Dichloropropene	ug/L	1000 U	10 U	10 U	10 U	10 U	10 U
ichloroethene	ug/L	10000	23	89	1 J	7 J	7 J
ibromochloromethane	ug/L	1000 U	10 U	10 U	10 U	10 U	10 U
1,2-Trichloroethane	ug/L	1000 U	10 U	10 U	10 U	10 U	10 U
enzene	ug/L	1000 U	10 U	10 U	10 U	10 U	10 U
ans-1,3-Dichloropropene	ug/L	1000 U	10 U	10 U	10 U	10 U	10 U
romoform	ug/L	1000 U	10 U	10 U	10 U	10 U	10 U
-Methyl-2-Pentanone	ug/L	1000 U	10 U	10 U	10 U	10 U	10 U
-Hexanone	ug/L	1000 U	10 U	10 U	10 U	10 U	10 U
etrachloroethene	ug/L	1000 U	10 U	10 U	10 U	10 U	10 U
1,2,2-Tetrachloroethane	ug/L	1000 U	10 U	10 U	10 U	10 U	10 U
oluene	ug/L	1000 U	10 U	10 U	10 U	10 U	10 U
hlorobenzene	ug/L	1000 U	10 U	10 U	10 U	10 U	10 U
thylbenzene	ug/L	1000 U	10 U	10 U	10 U	10 U	10 U
tyrene	ug/L	1000 U	10 U	10 U	10 U	10 U	10 U
ylene (total)	ug/L	1000 U	10 U	10 U	10 U	10 U	10 U

Notes:
(3) = Duplicate of MW-24

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

V35166.O1A V35129.O1A	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	SITE	ASH	ASH	ASH	ASH	ASH	ASH
	DATE SAMP'D	01/15/93	01/15/93	01/19/93	01/18/93	01/14/93	01/14/93
	ES ID	PT-26	MW-27	MW-28	MW-29	MW-30	MW-31
	LAB ID	177349	177343	177507	177444	177344	177345
COMPOUND	UNITS						
hloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
omomethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
nyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
hloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
ethylene Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
cetone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
arbon Disulfide	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1-Dichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
2-Dichloroethene (total)	ug/L	10 U	10 U	47	10 U	10 U	10 U
hloroform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
arbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
romodichloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
s-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
ichloroethene	ug/L	10 U	10 U	30	10 U	10 U	10 U
bromochloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
enzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
ans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
romoform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
etrachloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
oluene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
hlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
hylbenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
yrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
lene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U

Notes:
See sample TB-2 for the results of MW-29 (the sample for MW-29 was mislabeled as TB-2).

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

V35166.O1A V35129.O1A	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	SITE	ASH	ASH	ASH	ASH	ASH	ASH
	DATE SAMP'D	01/14/93	01/13/93	01/18/93	01/15/93	01/13/93	01/14/93
	ES ID	MW-33	MW-34	MW-35D	MW-36	MW-37	MW-38D
	LAB ID	177380	177275	177440	177346	177276	177347
COMPOUND	UNITS						
hloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
romomethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
nyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
hloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
ethylene Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
cetone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
arbon Disulfide	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1-Dichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
2-Dichloroethene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
hloroform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
arbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
romodichloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
s-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
richloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
ibromochloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
enzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
ans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
romoform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
etrachloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
oluene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
hlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
thylbenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
tyrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
ylene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U

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

V35166.O1A V35129.O1A	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	SITE	ASH	ASH	ASH	ASH	ASH	ASH
	DATE SAMP'D	01/18/93	01/12/93	01/13/93	01/12/93	01/13/93	01/14/93
	ES ID	MW-40 (1)	MW-41D	MW-42D	TB	TB1	TB1
	LAB ID	177441	177217	177278	177218	177282	177384
COMPOUND	UNITS						
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U	3 J	4 J	4 J
Carbon Disulfide	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U

Notes:

TB = Trip Blank

See sample MW-29 for the results of TB-2 (the sample for MW-29 was mislabeled as TB-2).

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

V35166.O1A V35129.O1A	MATRIX	WATER	WATER	WATER	WATER
	SITE	ASH	ASH	ASH	ASH
	DATE SAMP'D	01/19/93	01/20/93	01/13/93	01/19/93
	ES ID	TB3	TB4	PT-10R (4)	PT-24R (5)
	LAB ID	177512	177596	177280	177595
COMPOUND	UNITS				
hloromethane	ug/L	10 U	10 U	10 U	10 U
romomethane	ug/L	10 U	10 U	10 U	10 U
inyl Chloride	ug/L	10 U	10 U	10 U	10 U
hloroethane	ug/L	10 U	10 U	10 U	10 U
lethylene Chloride	ug/L	10 U	10 U	10 U	10 U
cetone	ug/L	10 U	10 U	4 J	10 U
arbon Disulfide	ug/L	10 U	10 U	10 U	10 U
,1-Dichloroethene	ug/L	10 U	10 U	10 U	10 U
,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U
,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U	10 U
hloroform	ug/L	10 U	10 U	10 U	10 U
,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U
-Butanone	ug/L	10 U	10 U	10 U	10 U
,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U
arbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U
romodichloromethane	ug/L	10 U	10 U	10 U	10 U
,2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U
s-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U
richloroethene	ug/L	10 U	10 U	10 U	10 U
ibromochloromethane	ug/L	10 U	10 U	10 U	10 U
,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U
enzene	ug/L	10 U	10 U	10 U	10 U
ans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U
romoform	ug/L	10 U	10 U	10 U	10 U
-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U
-Hexanone	ug/L	10 U	10 U	10 U	10 U
etrachloroethene	ug/L	10 U	10 U	10 U	10 U
,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U
oluene	ug/L	10 U	10 U	10 U	10 U
hlorobenzene	ug/L	10 U	10 U	10 U	10 U
thylbenzene	ug/L	10 U	10 U	10 U	10 U
tyrene	ug/L	10 U	10 U	10 U	10 U
ylene (total)	ug/L	10 U	10 U	10 U	10 U

Notes:

TB = Trip Blank
(4) = Rinsate for MW-10
(5) = Rinsate for MW-24

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

V35166.O1A V35129.O1A	MATRIX	WATER	WATER
	SITE	ASH	ASH
	DATE REC'D	01/21/93	01/21/93
	ES ID	FH–S	BRN–S
	LAB ID	177590	177589
COMPOUND	UNITS		
lorodifluoromethane	ug/L	0.5 U	0.5 U
romethane	ug/L	0.5 U	0.5 U
Chloride	ug/L	0.5 U	0.5 U
omethane	ug/L	0.5 U	0.5 U
roethane	ug/L	0.5 U	0.5 U
lorofluoromethane	ug/L	0.5 U	0.5 U
-Dichloroethene	ug/L	0.5 U	0.5 U
ylene Chloride	ug/L	0.5 U	0.5 U
-1,2-Dichloroethene	ug/L	0.5 U	0.5 U
Dichloroethane	ug/L	0.5 U	0.5 U
Dichloropropane	ug/L	0.5 U	0.5 U
1,2-Dichloroethene	ug/L	0.5 U	0.5 U
nochloromethane	ug/L	0.5 U	0.5 U
roform	ug/L	0.5 U	0.5 U
-Trichloroethane	ug/L	0.5 U	0.5 U
on Tetrachloride	ug/L	0.5 U	0.5 U
Dichloropropene	ug/L	0.5 U	0.5 U
zene	ug/L	0.5 U	0.5 U
-Dichloroethane	ug/L	0.5 U	0.5 U
loroethene	ug/L	0.5 U	0.5 U
Dichloropropane	ug/L	0.5 U	0.5 U
omomethane	ug/L	0.5 U	0.5 U
nodichloromethane	ug/L	0.5 U	0.5 U
1,3-Dichloropropene	ug/L	0.5 U	0.5 U
ene	ug/L	0.5 U	0.5 U
-1,3-Dichloropropene	ug/L	0.5 U	0.5 U
-Trichloroethane	ug/L	0.5 U	0.5 U
achloroethene	ug/L	0.5 U	0.5 U
-Dichloropropane	ug/L	0.5 U	0.5 U
omochloromethane	ug/L	0.5 U	0.5 U
-Dibromethane	ug/L	0.5 U	0.5 U
robenzene	ug/L	0.5 U	0.5 U
,2-Tetrachloroethane	ug/L	0.5 U	0.5 U
lbenzene	ug/L	0.5 U	0.5 U
ene	ug/L	0.5 U	0.5 U
noform	ug/L	0.5 U	0.5 U
ropylbenzene	ug/L	0.5 U	0.5 U
nobenzene	ug/L	0.5 U	0.5 U
2,2-Tetrachloroethane	ug/L	0.5 U	0.5 U
-Trichloropropane	ug/L	0.5 U	0.5 U
ropylbenzene	ug/L	0.5 U	0.5 U
hlorotoluene	ug/L	0.5 U	0.5 U
hlorotoluene	ug/L	0.5 U	0.5 U
-Trimethylbenzene	ug/L	0.5 U	0.5 U
-Butylbenzene	ug/L	0.5 U	0.5 U
-Trimethylbenzene	ug/L	0.5 U	0.5 U
-Butylbenzene	ug/L	0.5 U	0.5 U
-Dichlorobenzene	ug/L	0.5 U	0.5 U
-Dichlorobenzene	ug/L	0.5 U	0.5 U
opropyltoluene	ug/L	0.5 U	0.5 U
-Dichlorobenzene	ug/L	0.5 U	0.5 U
utylbenzene	ug/L	0.5 U	0.5 U
-Dibromo-3-Chloropropane	ug/L	0.5 U	0.5 U
-Trichlorobenzene	ug/L	0.5 U	0.5 U
achlorobutadiene	ug/L	0.5 U	0.5 U
nthlalene	ug/L	0.5 U	0.5 U
-Triclorobenzene	ug/L	0.5 U	0.5 U
ne (total)	ug/L	0.5 U	0.5 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

rmeter	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	NET Mar 1991	NET June 1991	NET Sept 1991	NET Dec 1991	NET Mar 1992	NET June 1992	NET Sept 1992	C Dec 1
ORGANICS																		
	ug/L	<5	<5	10U	50U	<1.0	<5.0	<5.0	51.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
	ug/L	<5	<5	5U	50U	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
	ug/L	<5	<5	10U	17	7	<2.0	<2.0	140	<10	<1.0	35	160	1.5	<1.0	14	–	
	ug/L	<5	<5	10U	50U	<1.0	<5.0	<5.0	<1.0	<10	<1.0	30.0	<1.0	<1.0	<1.0	<1.0	–	
e	ug/L	<5	<5	5U	25U	<1.0	<5.0	<5.0	<1.0	<10	2.0	<10	<1.0	<1.0	<1.0	<1.0	–	
ne	ug/L	<5	<5	5U	25U	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
e	ug/L	<5	<5	5U	25U	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
e	ug/L	<5	<5	5U	25U	1.5	<5.0	<5.0	<1.0	<10	<1.0	<10	7.2	<1.0	<1.0	<1.0	–	
	ug/L	1700	94	68	950	129	100	790	3100	870	130	2100	1350	170	119	323	–	1
	ug/L	<5	<5	5U	25U	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
hane	ug/L	<5	<5	5U	25U	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
oethene	ug/L	<5	95.0	5U	25U	<1.0	<5.0	<5.0	<1.0	<10	1.0	51.0	63.2	2.7	<1.0	5.8	–	
thene	ug/L	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2
e (total)	ug/L	–	–	43.0	1000.0	–	–	–	–	–	–	–	–	–	–	–	–	

Notes:

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

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

neter	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	NET Mar 1991	NET June 1991	NET Sept 1991	NET Dec 1991	NET Mar 1992	NET June 1992	Sept 1992	G Dec 19
ORGANICS																		
	ug/L	–	–	10U	<20	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
	ug/L	–	–	10U	<20	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
	ug/L	–	–	10U	<20	<1.0	<2.0	<2.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
	ug/L	–	–	5U	<20	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
	ug/L	–	–	5U	<10	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
ne	ug/L	–	–	5U	<10	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
	ug/L	–	–	5U	<10	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
	ug/L	–	–	5U	<10	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
	ug/L	–	–	59	240	170	90	400	340	92	220	460	529	75.1	100	72.4	–	1
	ug/L	–	–	5U	<10	<1.0	<5.0	<5.0	<1.0	<10	18.0	<10	<1.0	<1.0	<1.0	<1.0	–	
ane	ug/L	–	–	5U	<10	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
ethene	ug/L	–	–	5U	<10	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
hene	ug/L	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
(total)	ug/L	–	–	–	46	–	–	–	–	–	–	–	–	–	–	–	–	

Notes:

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

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

meter	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	NET Mar 1991	NET June 1991	NET Sept 1991	NET Dec 1991	NET Mar 1992	NET June 1992	NET Sept 1992	G Dec 19
ORGANICS																		
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<100	–	
	ug/L	–	–	–	–	86	230	<5.0	610	700	490	490	457	157	11.7	175	–	2
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<100	–	1
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<100	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<100	–	
ane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<100	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<100	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	1.7	<1.0	<100	–	
	ug/L	–	–	–	–	2500	7600	5900	17000	22000	15000	12000	10000	3710	9840	7920	–	140
ane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	250	<10	<1.0	<1.0	<1.0	<100	–	
ethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<100	–	
hene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	3.0	<1.0	<100	–	
(total)	ug/L	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	7

Notes:

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

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

...meter	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	NET Mar 1991	NET June 1991	NET Sept 1991	NET Dec 1991	NET Mar 1992	NET June 1992	Sept 1992	G... Dec 19...
...ORGANICS																		
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
...ne	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
	ug/L	–	–	–	–	23	26	46	52	35	35	36	30	34	21	18	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
...ane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
...ethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
...hene	ug/L	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
... (total)	ug/L	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	

Notes:
- Gaslon = Gaslon Laboratories
- NET = National Environmental Testing
- GTC = General Testing Corporation
- ES = Engineering-Science, Inc. (Aquatec Laboratory)
- – = No Data

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

eter	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	NET Mar 1991	NET June 1991	NET Sept 1991	NET Dec 1991	NET Mar 1992	NET June 1992	Sept 1992	GT Dec 19
RGANICS																		
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	5
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	5
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	5
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	5
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	5
ne	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	2.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	5
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	1.0	<10	<1.0	<1.0	<1.0	<1.0	–	5
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	5
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	1.0	3.0	3.0	2.0	<1.0	2.5	2.4	2.3	–	5
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	5.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	5
ne	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	5.0	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	5
othene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	5
ene	ug/L	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	17
(total)	ug/L	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	

Notes:

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

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

…meter	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	NET Mar 1991	NET June 1991	NET Sept 1991	NET Dec 1991	NET Mar 1992	NET June 1992	Sept 1992	G… Dec 1…
…ORGANICS																		
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
	ug/L	–	–	–	–	<1.0	<5.0	6.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
…ane	ug/L	–	–	–	–	1.0	<5.0	<5.0	<1.0	<10	1.0	<10	<1.0	1.3	<1.0	<1.0	–	
…e	ug/L	–	–	–	–	7.0	6.0	10.0	8.0	7.0	8.0	8.0	<1.0	3.0	4.4	<1.0	–	
…e	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
	ug/L	–	–	–	–	87	100	200	87	93	110	100	74.9	69.3	73.9	98.9	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
…ane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
…oethene	ug/L	–	–	–	–	4.0	<5.0	<5.0	<1.0	4.0	4.0	3.0	<1.0	1.4	1.7	2.4	–	
…thene	ug/L	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1…
…e (total)	ug/L	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	

Notes:
- Gasion = Gasion Laboratories
- NET = National Environmental Testing
- GTC = General Testing Corporation
- ES = Engineering−Science, Inc. (Aquatec Laboratory)
- − = No Data

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

meter	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	NET Mar 1991	NET June 1991	NET Sept 1991	NET Dec 1991	NET Mar 1992	NET June 1992	Sept 1992	G Dec 19
ORGANICS																		
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
ne	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	7.9	<1.0	<1.0	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
ane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	3.0	<1.0	<1.0	–	
ethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	
hene	ug/L	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
(total)	ug/L	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	

Notes:
Gaslon = Gaslon Laboratories
NET = National Environmental Testing
GTC = General Testing Corporation
ES = Engineering-Science, Inc. (Aquatec Laboratory)
– = No Data

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

meter	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	NET Mar 1991	NET June 1991	NET Sept 1991	NET Dec 1991	NET Mar 1992	NET June 1992	Sept 1992	G Dec 1
ORGANICS																		
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	–	<10	<1.0	<1.0	<1.0	<1.0	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	–	<10	<1.0	<1.0	<1.0	<1.0	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	–	<10	<1.0	<1.0	<1.0	<1.0	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	–	<10	<1.0	<1.0	<1.0	<1.0	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	–	<10	<1.0	<1.0	<1.0	<1.0	–	
ane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	1.0	1.0	–	1.0	<1.0	126	<1.0	<1.0	–	
e	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	–	<10	<1.0	<1.0	<1.0	<1.0	–	
e	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	–	<10	<1.0	<1.0	<1.0	<1.0	–	
	ug/L	–	–	–	–	4.0	6.0	9.0	2.0	6.0	–	8.0	8.6	2.8	4.4	6.2	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	–	<10	<1.0	<1.0	<1.0	<1.0	–	
ane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	–	<10	<1.0	<1.0	<1.0	<1.0	–	
oethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	–	<10	<1.0	<1.0	<1.0	<1.0	–	
thene	ug/L	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
e (total)	ug/L	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	

Notes:
- Gasion = Gasion Laboratories
- NET = National Environmental Testing
- GTC = General Testing Corporation
- ES = Engineering-Science, Inc. (Aquatec Laboratory)
- – = No Data

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

Source:		Galson	Galson	Galson	Galson	NET	NET	NET	NET	NET	NET	NET	NET	NET	NET	NET		G
neter	Units	Aug 1987	OCT 1987	Mar 1989	Sept 1989	Jan 1990	Mar 1990	June 1990	Sept 1990	Dec 1990	Mar 1991	June 1991	Sept 1991	Dec 1991	Mar 1992	June 1992	Sept 1992	Dec 19
ORGANICS																		
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	[illegible]
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	5
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	5
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	5
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	5
ne	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	5
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	5
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	5
	ug/L	–	–	–	–	27.0	37.0	39.0	28.0	36.0	30.0	39.0	21.2	30.2	28.4	25.8	–	30
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	5
ne	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	5
ethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	<1.0	<10	<1.0	<10	<1.0	<1.0	<1.0	<1.0	–	5
nene	ug/L	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	51
(total)	ug/L	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	

Notes:

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

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

meter	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	NET Mar 1991	NET June 1991	NET Sept 1991	NET Dec 1991	NET Mar 1992	NET June 1992	Sept 1992	G Dec 19
ORGANICS																		
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10	<1.0	<10	–	<1.0	<1.0	<1.0	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10	<1.0	<10	–	<1.0	<1.0	<1.0	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10	<1.0	<10	–	<1.0	<1.0	<1.0	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10	<1.0	<10	–	<1.0	<1.0	<1.0	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10	<1.0	<10	–	<1.0	<1.0	<1.0	–	
ne	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	1.0	<1.0	2.0	–	<1.0	<1.0	<1.0	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10	<1.0	<10	–	<1.0	<1.0	<1.0	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10	<1.0	<10	–	<1.0	<1.0	<1.0	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10	<1.0	1.0	–	1.2	<1.0	<1.0	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10	<1.0	1.0	–	<1.0	<1.0	<1.0	–	
	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10	<1.0	<10	–	<1.0	<1.0	<1.0	–	
hane	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10	<1.0	<10	–	<1.0	<1.0	<1.0	–	
ethene	ug/L	–	–	–	–	<1.0	<5.0	<5.0	–	<10	<1.0	<10	–	<1.0	<1.0	<1.0	–	
hene	ug/L	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	6
(total)	ug/L	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	

Notes:
Gasion = Gasion Laboratories
NET = National Environmental Testing
GTC = General Testing Corporation
ES = Engineering–Science, Inc. (Aquatec Laboratory)
– = No Data

Section 2.0
Metals

ASH LANDFILL FIRST QUARTER 1993 MONITORING
INORGANICS ANALYSIS RESULTS

VK3								
	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	
	SITE	ASH	ASH	ASH	ASH	ASH	ASH	
	DATE SAMP'D	01/13/93	01/13/93	01/18/93	01/20/93	01/14/93	01/14/93	
	ES ID	PT–10	PT–52 (1)	PT–11	PT–12	PT–15	PT–16	
	LAB ID	177279	177281	177442	177591	177382	177348	
E	UNITS							
	ug/l	71.7 B	62 U	13700	6150	407	292	171
	ug/l	53.7 U	53.6 U	53.8 U	54 U	53.9 U	53.8 U	5
	ug/l	1.7 U	1.7 U	2.4 B	1.2 U	1.7 U	1.7 U	
	ug/l	201	197 B	333	100 B	97.6 B	52.7 B	1
	ug/l	0.3 U	0.3 U	1.3 B	0.64 B	0.3 U	0.3 U	0.
	ug/l	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3
	ug/l	86200	84600	334000	264000	70500	107000	1290
	ug/l	2 U	2 U	16.1	6.7 B	2 U	2 U	2
	ug/l	5 U	5 U	37.2 B	8.8 B	5 U	5 U	1
	ug/l	1.9 U	1.9 U	40.3	12.7 B	2.8 B	1.9 U	
	ug/l	245	228	17800	8570	988	225	241
	ug/l	0.9 U	0.9 U	17.7	9.4	1.9 B	0.89 U	6
	ug/l	34700	34000	69200	27000	17700	13800	169
	ug/l	112	110	3180	1080	191	46.4	6
	ug/l	0.06 U	0.06 U	0.15 B	0.06 U	0.06 U	0.06 U	0.
	ug/l	3.5 U	3.5 U	35.5 B	14.8 B	3.5 U	3.5 U	
	ug/l	2150 B	2090 B	5270	2180 B	1930 B	444 U	37
	ug/l	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2
	ug/l	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3
	ug/l	34100	33200	46600	24200	28800	4900 B	260
	ug/l	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2
	ug/l	2.1 U	2.1 U	15.6 B	6.5 B	2.1 U	2.1 U	22
	ug/l	2.4 B	2.2 B	136	133	14.8 B	2.5 B	74
	ug/l	10 U	10 U	10 U	10 U	10 U	10 U	

Note:
(1) Duplicate of MW–10

ASH LANDFILL FIRST QUARTER 1993 MONITORING
INORGANICS ANALYSIS RESULTS

WK3

MATRIX		WATER	WATER	WATER	WATER	WATER	WATER	
SITE		ASH	ASH	ASH	ASH	ASH	ASH	
DATE SAMP'D		01/20/93	01/19/93	01/20/93	01/20/93	01/19/93	01/19/93	
ES ID		PT–18	PT–20	PT–22	PT–23	PT–24	PT–51 (2)	
LAB ID		177592	177509	177593	177594	177510	177511	
E	UNITS							
	ug/l	11300	7010	21000	33800	13500	13200	21
	ug/l	53.9 U	53.7 U	54.1 U	53.6 U	54 U	53.8 U	5
	ug/l	1.2 U	1.2 U	3.7 B	2.7 B	1.6 B	1.2 B	
	ug/l	123 B	111 B	176 B	251	116 B	116 B	7
	ug/l	0.79 B	0.3 U	1.1 B	1.9 B	0.3 U	0.48 U	
	ug/l	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	
	ug/l	223000	144000	159000	191000	125000	124000	1090
	ug/l	12.7	8.6 B	28.3	46.2	17.6	16.4	
	ug/l	5 U	6.9 B	13.8 B	28.1 B	8.8 B	9 B	
	ug/l	24.6 B	5.5 B	26.4	26.9	11.1 B	10.1 B	
	ug/l	14000	8910	31000	49000	17800	17500	19
	ug/l	16.6	3	8.2	10.5	9.1	9.1	
	ug/l	30300	16100	23600	25900	17200	17100	123
	ug/l	1020	216	562	1290	375	342	3
	ug/l	0.36	0.06 U	0.06 U	0.06 U	0.06 U	0.33 U	0.
	ug/l	18.5 B	12 B	36.8 B	63.4	20.6 B	20.2 B	
	ug/l	3540 B	1900 B	4890 B	7040	3600 B	3340 B	10
	ug/l	1.1 U	1.1 U	1.1 U	5.5 U	1.2 B	1.1 B	
	ug/l	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	
	ug/l	100000	29700	52000	5610	16700	16700	170
	ug/l	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	
	ug/l	13 B	9.7 B	29.8 B	46.1 B	19.5 B	16.9 B	
	ug/l	511	31.5	107	118	78.1	72	
	ug/l	10 U	10 U	10 U	10 U	10 U	10 U	

Notes:
(2) = Duplicate of PT–24

ASH LANDFILL FIRST QUARTER 1993 MONITORING
INORGANICS ANALYSIS RESULTS

VK3

MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	
SITE	ASH	ASH	ASH	ASH	ASH	ASH	
DATE SAMP'D	01/15/93	01/15/93	01/19/93	01/18/93	01/14/93	01/14/93	
ES ID	PT-26	MW-27	MW-28	MW-29	MW-30	MW-31	
LAB ID	177349	177343	177507	177444	177344	177345	
E UNITS							
ug/l	4790	1400	37400	59600	1060	29900	10
ug/l	53.6 U	54.1 U	54 U	53.8 U	54.1 U	53.8 U	53
ug/l	5.6 B	2.9 B	1.2 U	1.5 B	1.9 B	2.6 B	1
ug/l	364	99.6 B	229	427	67.8 B	162 B	80
ug/l	1.2 B	0.43 B	2 B	3.2 B	0.43 B	1.4 B	0
ug/l	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3
ug/l	512000	153000	188000	278000	119000	136000	1330
ug/l	4.1 B	2 U	50.6	80.9	2 U	38.5	
ug/l	18.9 B	6.6 B	29 B	63.6	5 U	21.6 B	5
ug/l	14 B	4.8 B	43.3	85.1	4.1 B	40.4	2
ug/l	5410	2490	59700	92400	682	46500	11
ug/l	19.1	3.2	13.7	26.7	2.5 B	8	3
ug/l	65900	15500	27000	58000	17000	26800	180
ug/l	1950	759	1590	3700	356	967	5
ug/l	0.13 B	0.06 U	0.06 U	0.18 B	0.07 B	0.06 U	0.
ug/l	14.6 B	5.8 B	73.9	132	3.5 U	56	3
ug/l	2100 B	3510 B	6530	9060	1670 B	5860	17
ug/l	1.1 U	1.1 U	5.5 U	5.5 U	1.1 U	1.1 U	1
ug/l	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3
ug/l	22600	17400	8950	21900	18200	10900	185
ug/l	12.9 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2
ug/l	5.3 B	2.1 U	48 B	75.3	2.1 U	38.1 B	2
ug/l	62	17.1 B	168	325	18.9 B	151	
ug/l	10 U	10 U	10 U	10 U	10 U	10 U	

ASH LANDFILL FIRST QUARTER 1993 MONITORING
INORGANICS ANALYSIS RESULTS

WK3

MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	
SITE	ASH	ASH	ASH	ASH	ASH	ASH	
DATE SAMP'D	01/14/93	01/13/93	01/18/93	01/15/93	01/13/93	01/14/93	
ES ID	MW-33	MW-34	MW-35D	MW-36	MW-37	MW-38D	
LAB ID	177380	177275	177440	177346	177276	177347	
E UNITS							
ug/l	2920	2660	4290	836	3440	1170	13
ug/l	54 U	53.9 U	53.8 U	53.8 U	53.6 U	54 U	5
ug/l	1.7 U	1.7 U	10	1.7 U	1.7 B	1.9 B	
ug/l	174 B	138 B	170 B	107 B	156 B	203	7
ug/l	0.7 B	0.3 B	0.3 B	0.3 U	0.48 B	0.3 U	
ug/l	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	
ug/l	143000	167000	12700	163000	151000	120000	1020
ug/l	2 U	3.1 B	6.8 B	2 U	2.2 B	2 U	
ug/l	9.5 B	8.7 B	5 U	7.6 B	13.7 B	5 U	
ug/l	6.5 B	7.8 B	2.1 B	2.9 B	10.3 B	6.1 B	
ug/l	717	4030	5960	772	4170	1940	20
ug/l	2.7 B	2.8 B	2.3 B	1.9 B	1.5 B	3.6	
ug/l	15200	22800	2970 B	23500	19300	16800	138
ug/l	881	689	217	517	767	652	1
ug/l	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.07 B	0.
ug/l	6.2 B	8.1 B	9.2 B	3.5 U	7.4 B	3.8 B	
ug/l	872 B	2930 B	2460 B	1790 B	1260 B	3810 B	20
ug/l	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	
ug/l	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	
ug/l	16800	15500	159000	21300	14300	5210	109
ug/l	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	
ug/l	2.1 U	5.2 B	7.2 B	2.1 U	2.1 U	2.1 U	
ug/l	34.7	23.9	15.3 B	13.7 B	17.5 B	12.9 B	15
ug/l	10 U	10 U	10 U	10 U	10 U	10 U	

ASH LANDFILL FIRST QUARTER 1993 MONITORING
INORGANICS ANALYSIS RESULTS

MATRIX		WATER	WATER	WATER	WATER	WATER	WATER	
SITE		ASH	ASH	ASH	ASH	ASH	ASH	
DATE SAMP'D		01/18/93	01/12/93	01/13/93	01/21/93	01/21/93	01/13/93	
ES ID		MW-40	MW-41D	MW-42D	BRN-S	FH-S	PT-10R (2)	
LAB ID		177441	177217	177278	177589	177590	177280	
E	UNITS							
	ug/l	13500	219	264	170 B	62.6 U	62.5 U	62
	ug/l	53.6 U	53.6 U	53.8 U	53.6 U	54.1 U	54 U	53
	ug/l	2.1 B	1.7 U	1.7 U	1.2 U	1.2 U	1.7 U	1
	ug/l	153 B	111 B	121 B	79.6 B	112 B	12 U	11
	ug/l	0.77 B	0.3 U	0.3 U	0.39 B	0.3 U	0.3 U	0
	ug/l	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3
	ug/l	160000	30300	81400	131000	98900	204 U	4
	ug/l	34.7	2 U	2 U	2 U	2 U	2 U	
	ug/l	9.9 B	5 U	5 U	5 U	5 U	5 U	
	ug/l	9 B	2.2 B	1.9 U	1.9 U	1.9 U	2.7 B	1
	ug/l	19800	696	846	250	36.5 B	21.9 U	1
	ug/l	5	0.99 B	1.3 B	0.89 U	0.89 U	0.89 U	0.
	ug/l	19000	10400	31000	24700	20500	264 U	2
	ug/l	905	163	349	3.8 B	1.1 B	0.7 U	2
	ug/l	0.09 B	0.63	0.06 U	0.06 U	0.06 U	0.06 U	0.
	ug/l	28.1 B	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3
	ug/l	4540 B	2440 B	7260	5720	12000	446 U	4
	ug/l	1.1 U	1.1 U	1.1 U	1.1 U	1.4 B	1.1 U	1
	ug/l	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3
	ug/l	23000	113000	18600	3570 B	30600	298 U	2
	ug/l	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2
	ug/l	18.4 B	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2
	ug/l	309	8.7 B	8 B	45.8	360	6.6 B	5
	ug/l	10 U	10 U	10 U	10 U	10 U	10 U	

Note:
(2) = is a rinsate for MW-10
(3) = is a rinsate for MW-24

Section 3.0
Miscellaneous Parameters

ASH LANDFILL FIRST QUARTER 1993 MONITORING
MISCELLANEOUS ANALYSIS RESULTS

/K3

ETER	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	SITE	ASH	ASH	ASH	ASH	ASH	ASH
	DATE SAMP'D	01/13/93	01/13/93	01/18/93	01/20/93	01/14/93	01/14/93
	ES ID	PT-10	PT-52 (1)	PT-11	PT-12	PT-15	PT-16
	LAB ID	177279	177281	177442	177591	177382	177348
	UNITS						
	mg/l	52	48	40	13.9	8.1	9.2
	mg/l	20	20	281	210	35	27
Nitrogen	mg/l	<0.01	<0.01	0.40	0.01	0.20	<0.01
	mg/l	<0.002	<0.002	<0.002	0.008	<0.002	<0.002
Calculation	mg/l	<0.01	<0.01	0.40	<0.01	0.20	<0.01
s, Total	mg/l	<0.02	<0.02	<0.02	0.31	<0.02	<0.02
	umhos/cm	777	805	1090	938	500	583
	std. units	7.58	7.63	7.40	7.16	8.02	7.17
n, Total	mg/l	2.7	1.7	3.2	3.0	0.7	1.4

Note:
(1) = Duplicate of PT-10

ASH LANDFILL FIRST QUARTER 1993 MONITORING
MISCELLANEOUS ANALYSIS RESULTS

/K3

	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	SITE	ASH	ASH	ASH	ASH	ASH	ASH
	DATE SAMP'D	01/20/93	01/19/93	01/20/93	01/20/93	01/19/93	01/19/93
	ES ID	PT-18	PT-20	PT-22	PT-23	PT-24	PT-51 (2)
	LAB ID	177592	177509	177593	177594	177510	177511
IETER	UNITS						
	mg/l	57	13.7	41	12.8	17.6	18.6
	mg/l	280	120	147	34	55	54
Nitrogen	mg/l	0.01	0.06	<0.01	0.05	0.18	0.18
	mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Calculation	mg/l	0.01	0.06	<0.01	0.05	0.18	0.18
s, Total	mg/l	4.5	0.02	0.14	<0.02	0.05	0.05
	umhos/cm	1440	796	933	628	663	669
	std. units	7.08	7.17	7.34	7.53	7.17	7.18
n, Total	mg/l	4.0	2.0	2.7	1.5	2.0	2.0

Note:
(2) = Duplicate of PT-24

ASH LANDFILL FIRST QUARTER 1993 MONITORING
MISCELLANEOUS ANALYSIS RESULTS

'K3

	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	SITE	ASH	ASH	ASH	ASH	ASH	ASH
	DATE SAMP'D	01/15/93	01/15/93	01/19/93	01/18/93	01/14/93	01/14/93
	ES ID	PT-26	MW-27	MW-28	MW-29	MW-30	MW-31
	LAB ID	177349	177343	177507	177444	177344	177345
IETER	UNITS						
	mg/l	10.2	24	16.5	15.2	28	11.3
	mg/l	107	41	27	87	57	30
Nitrogen	mg/l	0.35	0.06	0.05	0.24	0.13	0.20
	mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Calculation	mg/l	0.35	0.06	0.05	0.24	0.13	0.20
s, Total	mg/l	<0.02	<0.02	0.04	0.04	<0.02	<0.02
	umhos/cm	829	661	635	761	689	605
	std. units	7.23	7.23	7.11	7.13	7.29	7.33
n, Total	mg/l	1.9	1.4	1.8	2.1	1.9	1.1

ASH LANDFILL FIRST QUARTER 1993 MONITORING
MISCELLANEOUS ANALYSIS RESULTS

/K3

ETER	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	SITE	ASH	ASH	ASH	ASH	ASH	ASH
	DATE SAMP'D	01/14/93	01/13/93	01/18/93	01/15/93	01/13/93	01/14/93
	ES ID	MW-33	MW-34	MW-35D	MW-36	MW-37	MW-38D
	LAB ID	177380	177275	177440	177346	177276	177347
	UNITS						
	mg/l	24	23	21	35	22	9.9
	mg/l	54	41	36	63	37	38
Nitrogen	mg/l	0.41	0.14	3.8	3.4	0.08	0.03
	mg/l	<0.002	<0.002	0.191	<0.002	<0.002	0.004
Calculation	mg/l	0.41	0.14	3.6	3.4	0.08	0.026
s, Total	mg/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
	umhos/cm	728	721	639	8070	641	517
	std. units	7.42	7.55	8.34	7.30	7.64	7.39
n, Total	mg/l	1.9	1.1	1.0	1.1	1.1	1.4

ASH LANDFILL FIRST QUARTER 1993 MONITORING
MISCELLANEOUS ANALYSIS RESULTS

'K3

	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	SITE	ASH	ASH	ASH	ASH	ASH	ASH
	DATE SAMP'D	01/18/93	01/12/93	01/13/93	01/21/93	01/21/93	01/13/93
	ES ID	MW-40	MW-41D	MW-42D	BRN-S	FH-S	PT-10R (2)
	LAB ID	177441	177217	177278	177589	177590	177280
ETER	UNITS						
	mg/l	5.9	9.2	2.3	16.5	5.2	<.05
	mg/l	93	40	32	64	52	<2
Nitrogen	mg/l	0.11	0.15	1.24	8.0	3.3	<.01
	mg/l	0.004	0.019	0.195	<0.002	<0.002	<0.002
Calculation	mg/l	0.106	0.131	1.05	8.0	3.3	<.01
s, Total	mg/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
	umhos/cm	643	611	589	817	746	3.1
	std. units	7.49	7.40	7.76	7.38	7.30	6.53
n, Total	mg/l	1.3	1.2	1.5	NA	2.9	<0.5

Note:
NA = Not Available