



6601 Kirkville Road
E. Syracuse, NY 13057
Tel: (315) 432-0506
1-800-950-0506

RECEIVED
6-13-90
Mark T. Paprocki

452-28

June 11, 1990

Mr. Mark Paprocki
Seneca Army Depot
Bldg. 123
Romulus, NY 14541

RE: GTS# L9052

Dear Mr. Paprocki:

Enclosed are the results of the analyses performed on the samples we received on March 23, 1990. These results were originally omitted from our report sent to you on April 23, 1990.

If you have any questions concerning our results, please contact our Client Services Department at Extension 126.

Sincerely,

A handwritten signature in cursive script that reads "Ed Stuber".

Edward A. Stuber, CIH
Associate Laboratory Director
GALSON LABORATORIES

EAS/vw

Enclosure



6601 Kirkville Road
 E. Syracuse, NY 13057
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 1-800-950-0506

LABORATORY ANALYSIS REPORT

Client: SENECA ARMY DEPOT
 Task Number: 90032913
 Location: ROMULUS, NY

Job Number: L9052
 Date Sampled: 03/28-29/90

	Lab ID: J7466	J7467	J7468	J7469	
	Client ID: WELL 5	WELL 4	WELL 6	WELL 1	
TOTAL ORGANIC HALOGENS	MG/L	0.03	0.02	0.05	0.04

- (<) - Less Than
- (>) - Greater Than
- NA - Not Applicable
- ND - Not detectable
- NS - Not specified
- MG - Milligrams
- L - Liters
- M³ - Cubic Meter
- MG/M³ - Milligrams Per Cubic Meter
- PPM - Parts Per Million
- UG - Micrograms
- NG - Nanograms
- BL - Blank

Method(s): STANDARD METHODS 16TH EDITION

Footnotes:

Submitted by: NET

Approved by: *Ed*

Date: 5-JUN-1990





6601 Kirkville Road
E. Syracuse, NY 13057
Tel: (315) 432-0506
1-800-950-0506

June 15, 1990

Mr. Mark Paprocki
Seneca Army Depot
Bldg. 123
Romulus, NY 14541

RE: GTS# L9052

Dear Mr. Paprocki:

Enclosed are the revised results of the analyses performed on the samples we received on March 23, 1990. These results were originally omitted from our report sent to you on April 23, 1990.

If you have any questions concerning our results, please contact our Client Services Department at Extension 126.

Sincerely,

A handwritten signature in black ink, appearing to read "E. Stuber", is written over a light blue circular background.

Edward A. Stuber, CIH
Associate Laboratory Director
GALSON LABORATORIES

EAS/vw

Enclosure



LABORATORY ANALYSIS REPORT

6601 Kirkville Road
E. Syracuse, NY 13057
Tel: (315) 432-0506
1-800-950-0506

Client: SENECA ARMY DEPOT
Task Number: 90032913
Location: ROMULUS, NY

Job Number: L9052
Date Sampled: 03/28-29/90

TOTAL ORGANIC HALOGENS

Sample ID	Lab I.D.	MG/L
27405	J7466 W-5-5	0.03
27406	J7467 W-4-4	0.02
27407	J7468 W-6-6	0.05
27408	J7469 W-1-1	0.04
27409	J7470 W-3-3	0.06
27410	J7471 W-2-2	0.05
27411	J7472 W-7-7	0.08
27412	J7473 W-10-10	0.03
27413	J7474 W-8	0.07
27414	J7475 W-9	0.03
27415	J7476 W-11	0.02
27416	J7477 W-13	0.06
27417	J7478 W-14	0.04
27418	J7479 W-12	0.05
27419	J7480 W-17	0.03
27420	J7481 W-15	0.05
27421	J7482 W-16	0.03

Method(s): STANDARD METHODS 16TH EDITION
Footnotes:

($<$) - Less Than
 ($>$) - Greater Than
 NA - Not Applicable
 ND - Not detectable
 NS - Not specified
 MG - Milligrams
 L - Liters
 M³ - Cubic Meter
 MG/M³ - Milligrams Per Cubic Meter
 PPM - Parts Per Million
 UG - Micrograms
 NG - Nanograms
 BL - Blank

Submitted by: NET
 Approved by: *[Signature]*
 Date: 5-JUN-1990





Environmental
Science &
Engineering, Inc.

October 18, 1990
ESE No. 3904078-0100-3200

Mr. Mark Paprocki
Seneca Army Depot
Bldg. 123
Romulus, New York 14541

Dear Mr. Paprocki:

Enclosed are the results of analysis of 15 groundwater samples delivered to ESE for nitroaromatic explosives analysis. The samples were received at ESE on October 2, 1990. As previously discussed, samples W4 and W7 were broken in transit. We have received the resamples and are proceeding with the analysis.

The samples were analyzed in accordance with procedures specified in methods that are certified for use by USATHAMA in environmental water samples. The method used was Explosives in Water by HPLC, Method UW14. A summary of the Quality Control (QC) samples analyzed is also enclosed.

Your cost for this analysis is \$5,625.00 as previously agreed (as per P.O. # DAAC7190V0933). An itemized invoice in this amount will follow shortly. Payment is requested within 30 days of the invoice date to avoid 18% APR carrying charges.

Thank you for giving ESE this opportunity to be of service. Please call me if you have any questions or when you require our services.

Sincerely,

Joseph J. Vondrick
Project Coordinator

Enclosure

Environmental Science and Engineering DATE 10/18/90 STATUS : FINAL
 PROJECT NUMBER 3904078 0500 PROJECT NAME SENECA ARMY DEPOT
 FIELD GROUP SENECA PROJECT MANAGER J.J. VONDRICK
 ALL LAB COORDINATOR JOE VONDRICK

SAMPLE ID'S		W1	W2	W3	W5	W6	W8	W9
PARAMETERS	STORET	SENECA	SENECA	SENECA	SENECA	SENECA	SENECA	SENECA
UNITS	METHOD	19	20	21	23	24	26	27
DATE		09/28/90	09/28/90	09/28/90	09/28/90	09/28/90	09/28/90	09/28/90
TIME		12:30	13:00	12:45	11:30	12:14	14:15	14:18
1,3-DINITROBENZENE	99724	<0.519	<0.519	<0.519	<0.519	<0.519	<0.519	<0.519
UG/L	UW14							
2,4-DINITROTOLUENE	34611	<0.612	<0.612	<0.612	<0.612	<0.612	<0.612	<0.612
UG/L	UW14							
2,6-DINITROTOLUENE	34626	<1.15	<1.15	<1.15	<1.15	<1.15	<1.15	<1.15
UG/L	UW14							
HMX	99431	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65
UG/L	UW14							
NITROBENZENE	34447	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07
UG/L	UW14							
RDX	81364	<2.11	<2.11	<2.11	<2.11	<2.11	<2.11	<2.11
UG/L	UW14							
TETRYL, TOTAL	99733	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
UG/L	UW14							
1,3,5-TRINITROBENZENE	99735	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626
UG/L	UW14							
2,4,6-TRINITROTOLUENE	81360	<0.588	<0.588	<0.588	<0.588	<0.588	<0.588	<0.588
UG/L	UW14							

Environmental Science and Engineering DATE 10/18/90 STATUS : FINAL
 PROJECT NUMBER 3904078 0500 PROJECT NAME SENECA ARMY DEPOT
 FIELD GROUP SENECA PROJECT MANAGER J.J. VONDRICK
 ALL LAB COORDINATOR JOE VONDRICK

PAGE 2

SAMPLE ID'S		W10	W11	W12	W13	W14	W15	W16
PARAMETERS	STORET	SENECA	SENECA	SENECA	SENECA	SENECA	SENECA	SENECA
UNITS	METHOD	28	29	30	31	32	33	34
DATE		09/28/90	09/28/90	09/28/90	09/28/90	09/28/90	09/28/90	09/28/90
TIME		13:50	14:30	15:05	14:45	14:51	15:30	15:45
1,3-DINITROBENZENE	99724	<0.519	<0.519	<0.519	<0.519	<0.519	<0.519	<0.519
UG/L	UW14							
2,4-DINITROTOLUENE	34611	<0.612	<0.612	<0.612	<0.612	<0.612	<0.612	<0.612
UG/L	UW14							
2,6-DINITROTOLUENE	34626	<1.15	<1.15	<1.15	<1.15	<1.15	<1.15	<1.15
UG/L	UW14							
HMX	99431	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65
UG/L	UW14							
NITROBENZENE	34447	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07	<1.07
UG/L	UW14							
RDX	81364	<2.11	<2.11	<2.11	<2.11	<2.11	<2.11	<2.11
UG/L	UW14							
TETRYL, TOTAL	99733	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
UG/L	UW14							
1,3,5-TRINITROBENZENE	99735	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626	<0.626
UG/L	UW14							
2,4,6-TRINITROTOLUENE	81360	<0.588	<0.588	<0.588	<0.588	<0.588	<0.588	<0.588
UG/L	UW14							

Environmental Science and Engineering DATE 10/18/90 STATUS : FINAL
 PROJECT NUMBER 3904078 0500 PROJECT NAME SENECA ARMY DEPOT
 FIELD GROUP SENECA PROJECT MANAGER J.J. VONDRICK
 ALL LAB COORDINATOR JOE VONDRICK

SAMPLE ID'S	STORET	W17
PARAMETERS	SENeca	
UNITS	METHOD	35
DATE	09/28/90	
TIME	15:20	
1,3-DINITROBENZENE	99724	<0.519
UG/L	UW14	
2,4-DINITROTOLUENE	34611	<0.612
UG/L	UW14	
2,6-DINITROTOLUENE	34626	<1.15
UG/L	UW14	
HMX	99431	<1.65
UG/L	UW14	
NITROBENZENE	34447	<1.07
UG/L	UW14	
RDX	81364	<2.11
UG/L	UW14	
TETRYL, TOTAL	99733	<0.6
UG/L	UW14	
1,3,5-TRINITROBENZENE	99735	<0.626
UG/L	UW14	
2,4,6-TRINITROTOLUENE	81360	<0.588
UG/L	UW14	

ESE BATCH : G16169

QC TYPE : USATHAMA REPORT DATE/TIME : 10/18/90 14:20:26
ANALYST : SCOTT MCMILLEN ANALYSIS DATE : 10/10/90
EXTRACTOR : DOUG DABNEY EXTRACT DATE : 10/04/90
DATA ENTRY : SCOTT MCMILLEN

STATUS : FINAL

BATCH NOTES
EXPLOSIVES IN WATER BY UW14

FIELD GRP	PROJECT NUMBER	PROJECT NAME	LAB COORDINATOR
SENECA	3904078 0500	SENECA ARMY DEPOT	JOE VONDRICK

STORET: 99431 METHOD: UW14 HMX, UG/L LINE

METHOD BLANK(S)
SAMPLE ID CONCENTRATION
NONE*1 0.0

CONTINUING CALIBRATION STANDARD(S) *** Optional Quality Control Check ***

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE%
101090*1	1840000	1824480	1.1216
101090*2	1780000	1824480	2.6216

CONTINUING CALIBRATION VERIFICATION SAMPLE(S) *** Optional Quality Control Check ***

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE%
10890*1	2300	2220	3.43

STORET: 81364 METHOD: UW14 RDX, UG/L LINE

METHOD BLANK(S)
SAMPLE ID CONCENTRATION
NONE*1 0.0

CONTINUING CALIBRATION STANDARD(S) *** Optional Quality Control Check ***

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE%
101090*1	1910000	1890536	1.1838
101090*2	1850000	1890536	2.0971

CONTINUING CALIBRATION VERIFICATION SAMPLE(S) *** Optional Quality Control Check ***

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE%
10890*1	2070	2000	3.71

STANDARD MATRIX SPIKE(S)
SAMPLE ID UNSP CONC SPK CONC FOUND TARGET % RECV REL%DIFF.
SP1*NONE*1 0.0 3.4242 3.4242 3.5200 97.28
SP2*NONE*1 0.0 31.036 31.036 35.200 88.17
SP3*NONE*1 0.0 30.850 30.850 35.200 87.64

STORET: 99735 METHOD: UW14 1,3,5-TRINITROBENZENE, UG/L LINE

METHOD BLANK(S)
SAMPLE ID CONCENTRATION
NONE*1 0.0

CONTINUING CALIBRATION STANDARD(S) *** Optional Quality Control Check ***

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE%
101090*1	3590000	3561133	.8703
101090*2	3440000	3561133	3.3382

CONTINUING CALIBRATION VERIFICATION SAMPLE(S) *** Optional Quality Control Check ***

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE%
10890*1	2660	2540	4.66

STANDARD MATRIX SPIKE(S)
SAMPLE ID UNSP CONC SPK CONC FOUND TARGET % RECV REL%DIFF.
SP1*NONE*1 0.0 2.2986 2.2986 2.4200 94.98
SP2*NONE*1 0.0 21.781 21.781 24.200 90.00
SP3*NONE*1 0.0 21.969 21.969 24.200 90.78

STORET: 99724 METHOD: UW14 1,3-DINITROBENZENE, UG/L LINE

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0

CONTINUING CALIBRATION STANDARD(S) *** Optional Quality Control Check ***

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE%
101090*1	4500000	4497515	.0769
101090*2	4340000	4497515	3.5402

CONTINUING CALIBRATION VERIFICATION SAMPLE(S) *** Optional Quality Control Check ***

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE%
10890*1	2840	2800	1.56

STORET: 34447 METHOD: UW14 NITROBENZENE, UG/L LINE

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0

CONTINUING CALIBRATION STANDARD(S) *** Optional Quality Control Check ***

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE%
101090*1	5160000	5210160	.8784
101090*2	5010000	5210160	3.7717

CONTINUING CALIBRATION VERIFICATION SAMPLE(S) *** Optional Quality Control Check ***

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE%
10890*1	2990	2960	0.97

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	4.2463	4.2463	4.7000	90.35	
SP2*NONE*1	0.0	41.455	41.455	47.000	88.20	
SP3*NONE*1	0.0	40.993	40.993	47.000	87.22	

STORET: 99733 METHOD: UW14 TETRYL TOTAL, UG/L LINE

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0

CONTINUING CALIBRATION STANDARD(S) *** Optional Quality Control Check ***

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE%
101090*1	3120000	3143817	.8760
101090*2	2990000	3143817	4.9150

CONTINUING CALIBRATION VERIFICATION SAMPLE(S) *** Optional Quality Control Check ***

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE%
10890*1	2060	2010	2.40

STORET: 81360 METHOD: UW14 2,4,6-TRINITROTOLUENE, TOTAL, UG/L LINE

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0

CONTINUING CALIBRATION STANDARD(S) *** Optional Quality Control Check ***

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE%
101090*1	3200000	3217344	.4199
101090*2	3130000	3217344	2.6148

CONTINUING CALIBRATION VERIFICATION SAMPLE(S) *** Optional Quality Control Check ***

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE%
10890*1	2350	2320	1.39

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	1.8771	1.8771	2.1400	87.71	
SP2*NONE*1	0.0	18.387	18.387	21.400	85.92	
SP3*NONE*1	0.0	18.473	18.473	21.400	86.32	

STORET: 34626 METHOD: UW14 2,6-DINITROTOLUENE, UG/L LINE

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0

CONTINUING CALIBRATION STANDARD(S) *** Optional Quality Control Check ***

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE%
101090*1	3090000	3101652	.5054
101090*2	3020000	3101652	2.4861

CONTINUING CALIBRATION VERIFICATION SAMPLE(S) *** Optional Quality Control Check ***

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE%
10890*1	3230	3120	3.51

STORET: 34611 METHOD: UW14 2,4-DINITROTOLUENE, UG/L LINE

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0

CONTINUING CALIBRATION STANDARD(S) *** Optional Quality Control Check ***

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE%
101090*1	5060000	5043916	.2524
101090*2	4920000	5043916	2.4114

CONTINUING CALIBRATION VERIFICATION SAMPLE(S) *** Optional Quality Control Check ***

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE%
10890*1	3360	3240	3.61

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	2.9361	2.9361	3.3000	88.97	
SP2*NONE*1	0.0	28.881	28.881	33.000	87.52	
SP3*NONE*1	0.0	28.939	28.939	33.000	87.69	



Environmental
Science &
Engineering, Inc.

October 24, 1990
ESE No. 3904078-0100-3200

Mr. Mark R. Paprocki
Seneca Army Depot
Bldg. 123
Romulus, New York 14541

Dear Mr. Paprocki:

Enclosed are the results of analysis of 3 groundwater samples delivered to ESE for nitroaromatic explosives analysis. The samples were received at ESE on October 10, 1990. The Chain-of-Custody records received with this set and the previous set are enclosed for your review.

The samples were analyzed in accordance with procedures specified in methods that are certified for use by USATHAMA in environmental water samples. The method used was Explosives in Water by HPLC, Method UW14. A summary of the Quality Control (QC) samples analyzed is also enclosed.

Your cost for this analysis is \$1,125.00 as previously agreed (as per P.O. # DAAC7190V0933). An itemized invoice in this amount will follow shortly. Payment is requested within 30 days of the invoice date to avoid 18% APR carrying charges.

Thank you for giving ESE this opportunity to be of service. Please call me if you have any questions or when you again require our service.

Sincerely,

Joseph J. Vondrick
Project Coordinator

JJV:sak
Enclosure

Environmental Science and Engineering DATE 10/23/90 STATUS : Final

PROJECT NUMBER 3904078 0500
FIELD GROUP SENECA
ALL

PROJECT NAME SENECA ARMY DEPOT
PROJECT MANAGER J.J. VONDRICK
LAB COORDINATOR JOE VONDRICK

SAMPLE ID'S		W-4	W-6	W-1
PARAMETERS	STORET	SENECA	SENECA	SENECA
UNITS	METHOD	36	37	38
DATE		10/09/90	10/09/90	10/09/90
TIME		09:40	09:50	10:00
1,3-DINITROBENZENE	99724	<0.519	<0.519	<0.519
UG/L	UW14			
2,4-DINITROTOLUENE	34611	<0.612	<0.612	<0.612
UG/L	UW14			
2,6-DINITROTOLUENE	34626	<1.15	<1.15	<1.15
UG/L	UW14			
HMX	99431	<1.65	<1.65	<1.65
UG/L	UW14			
NITROBENZENE	34447	<1.07	<1.07	<1.07
UG/L	UW14			
RDX	81364	<2.11	<2.11	<2.11
UG/L	UW14			
TETRYL, TOTAL	99733	<0.6	<0.6	<0.6
UG/L	UW14			
1,3,5-TRINITROBENZENE	99735	<0.626	<0.626	<0.626
UG/L	UW14			
2,4,6-TRINITROTOLUENE	81360	<0.588	<0.588	<0.588
UG/L	UW14			

ESE BATCH : G16327

QC TYPE : FDER/SW REPORT DATE/TIME : 10/23/90 14:42:48
ANALYST : SCOTT MCMILLEN ANALYSIS DATE : 10/20/90
EXTRACTOR : DOUG DABNEY EXTRACT DATE : 10/12/90
DATA ENTRY : SCOTT MCMILLEN

STATUS : FINAL

BATCH NOTES
EXPLOSIVES IN WATER BY UW14

FIELD GRP PROJECT NUMBER PROJECT NAME LAB COORDINATOR
SENECA 3904078 0500 SENECA ARMY DEPOT JOE VONDRICK

STORET: 99431 METHOD: UW14 HMX, UG/L LINE

METHOD BLANK(S)
SAMPLE ID CONCENTRATION
CLMB3*690 0.0

CONTINUING CALIBRATION STANDARD(S) *** Optional Quality Control Check ***
STANDARD ID CALC. CONC KNOWN CONC DIFFERENCE%
726091-B2*1 1970000 1824480 7.9729
726091-B2*2 1900000 1824480 4.1452

CONTINUING CALIBRATION VERIFICATION SAMPLE(S) *** Optional Quality Control Check ***
SAMPLE ID CALC. CONC KNOWN CONC DIFFERENCE%
10890*1 2300 2220 3.43

STORET: 81364 METHOD: UW14 RDX, UG/L LINE

METHOD BLANK(S)
SAMPLE ID CONCENTRATION
CLMB3*690 0.0

CONTINUING CALIBRATION STANDARD(S) *** Optional Quality Control Check ***
STANDARD ID CALC. CONC KNOWN CONC DIFFERENCE%
726091-B2*1 2040000 1890536 7.6876
726091-B2*2 1960000 1890536 3.8720

CONTINUING CALIBRATION VERIFICATION SAMPLE(S) *** Optional Quality Control Check ***
SAMPLE ID CALC. CONC KNOWN CONC DIFFERENCE%
10890*1 2070 2000 3.71

STANDARD MATRIX SPIKE(S)
SAMPLE ID UNSP CONC SPK CONC FOUND TARGET % RECV REL%DIFF.
SP1*CLMB3*690 0.0 3.1558 3.1558 3.5200 89.65
SP2*CLMB3*690 0.0 25.936 25.936 35.200 73.68
SP3*CLMB3*690 0.0 28.074 28.074 35.200 79.75

STORET: 99735 METHOD: UW14 1,3,5-TRINITROBENZENE, UG/L LINE

METHOD BLANK(S)
SAMPLE ID CONCENTRATION
CLMB3*690 0.0

CONTINUING CALIBRATION STANDARD(S) *** Optional Quality Control Check ***
STANDARD ID CALC. CONC KNOWN CONC DIFFERENCE%
726091-B2*1 3820000 3561133 7.2822
726091-B2*2 3690000 3561133 3.4855

CONTINUING CALIBRATION VERIFICATION SAMPLE(S) *** Optional Quality Control Check ***
SAMPLE ID CALC. CONC KNOWN CONC DIFFERENCE%
10890*1 2660 2540 4.66

STANDARD MATRIX SPIKE(S)
SAMPLE ID UNSP CONC SPK CONC FOUND TARGET % RECV REL%DIFF.
SP1*CLMB3*690 0.0 2.1100 2.1100 2.4200 87.19
SP2*CLMB3*690 0.0 18.330 18.330 24.200 75.74
SP3*CLMB3*690 0.0 19.679 19.679 24.200 81.32

STORET: 99724 METHOD: UW14 1,3-DINITROBENZENE, UG/L LINE

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
CLMB3*690	0.0

CONTINUING CALIBRATION STANDARD(S) *** Optional Quality Control Check ***

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE%
726091-B2*1	4800000	4497515	6.7963
726091-B2*2	4610000	4497515	2.5681

CONTINUING CALIBRATION VERIFICATION SAMPLE(S) *** Optional Quality Control Check ***

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE%
10890*1	2840	2800	1.56

STORET: 34447 METHOD: UW14 NITROBENZENE, UG/L LINE

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
CLMB3*690	0.0

CONTINUING CALIBRATION STANDARD(S) *** Optional Quality Control Check ***

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE%
726091-B2*1	4730000	5210160	9.2943
726091-B2*2	5240000	5210160	.6068

CONTINUING CALIBRATION VERIFICATION SAMPLE(S) *** Optional Quality Control Check ***

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE%
10890*1	2990	2960	0.97

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*CLMB3*690	0.0	3.8869	3.8869	4.7000	82.70	
SP2*CLMB3*690	0.0	32.834	32.834	47.000	69.86	
SP3*CLMB3*690	0.0	34.880	34.880	47.000	74.21	

STORET: 99733 METHOD: UW14 TETRYL TOTAL, UG/L LINE

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
CLMB3*690	0.0

CONTINUING CALIBRATION STANDARD(S) *** Optional Quality Control Check ***

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE%
726091-B2*1	3250000	3143817	3.4393
726091-B2*2	3130000	3143817	.3099

CONTINUING CALIBRATION VERIFICATION SAMPLE(S) *** Optional Quality Control Check ***

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE%
10890*1	2060	2010	2.40

STORET: 81360 METHOD: UW14 2,4,6-TRINITROTOLUENE, TOTAL, UG/L LINE

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
CLMB3*690	0.0

CONTINUING CALIBRATION STANDARD(S) *** Optional Quality Control Check ***

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE%
726091-B2*1	3420000	3217344	6.2227
726091-B2*2	3280000	3217344	1.8918

CONTINUING CALIBRATION VERIFICATION SAMPLE(S) *** Optional Quality Control Check ***

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE%
10890*1	2350	2320	1.39

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*CLMB3*690	0.0	1.7149	1.7149	2.1400	80.14	
SP2*CLMB3*690	0.0	14.970	14.970	21.400	69.95	
SP3*CLMB3*690	0.0	15.400	15.400	21.400	71.96	

STORET: 34626 METHOD: UW14 2,6-DINITROTOLUENE, UG/L LINE

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
CLMB3*690	0.0

CONTINUING CALIBRATION STANDARD(S) *** Optional Quality Control Check ***

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE%
726091-B2*1	3310000	3101652	6.6040
726091-B2*2	3030000	3101652	2.4337

CONTINUING CALIBRATION VERIFICATION SAMPLE(S) *** Optional Quality Control Check ***

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE%
10890*1	3230	3120	3.51

STORET: 34611 METHOD: UW14 2,4-DINITROTOLUENE, UG/L LINE

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
CLMB3*690	0.0

CONTINUING CALIBRATION STANDARD(S) *** Optional Quality Control Check ***

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE%
726091-B2*1	5450000	5043916	8.1039
726091-B2*2	5370000	5043916	6.4901


CONTINUING CALIBRATION VERIFICATION SAMPLE(S) *** Optional Quality Control Check ***

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE%
10890*1	3360	3240	3.61


STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*CLMB3*690	0.0	2.6904	2.6904	3.3000	81.53	
SP2*CLMB3*690	0.0	23.025	23.025	33.000	69.77	
SP3*CLMB3*690	0.0	23.742	23.742	33.000	71.94	

Chain of Custody Record

Company Name <i>Gilson Tech. Services</i>		Project Manager/Contact <i>Mareen Curtis</i>		 Galson Laboratories 6601 Kirkville Road East E. Syracuse, New York 13057 315-432-0506 or 800-950-0506										Special QA/QC Protocol (Circle) EPA CLP EPA SW 846 NYS DEC NYS DOH NJ TIER I CALIFORNIA NJ TIER II OTHER (Specify)		PARAMETERS FOR ANALYSIS																				
Project No. <i>L9052</i>		Project Name <i>Seneca</i>												Explosives																						
SAMPLE LOCATION / SAMPLE ID		Date	Time	TYPE					Laboratory ID Number																											
				Comp.	Grab	Aqueous	Soil	Other	A	B	C	D	E			F	G	H	I	J	K															
<i>W-1</i>		<i>10/9/8</i>	<i>10:00</i>			✓																				<i>J20716</i>	<i>2</i>									
<i>W-4</i>		<i>10/9/80</i>	<i>0940</i>			✓																		<i>J20714</i>	<i>2</i>											
<i>W-6</i>		<i>10/9/80</i>	<i>0950</i>			✓																		<i>J20715</i>	<i>2</i>											
REMARKS:																							Task No. <i>90100121</i>													
SAMPLERS NAME:											SIGNATURE:																									
SAMPLER RELINQUISHED BY:											SAMPLER RECEIVED BY:																									
NAME: <i>M. Stonephor</i>						DATE: <i>10/11/90</i>					NAME: <i>V. Prem Das</i>						DATE: <i>10-10</i>						Received For Laboratory By:		DATE: <i>10-10-90</i>											
SIGNATURE:						TIME: <i>4:30 PM</i>					SIGNATURE: <i>V. Prem Das</i>						TIME: <i>1500</i>						(Signature) <i>V. Prem Das</i>		TIME: <i>1500</i>											
NAME:						DATE:					NAME:						DATE:						Custody Seal Intact? Sample		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N.A.											
SIGNATURE:						TIME:					SIGNATURE:						TIME:						Shipment Complete?		<input type="checkbox"/> Yes <input type="checkbox"/> No											
NAME:						DATE:					NAME:						DATE:						LabStor. Location		A B C D E F G H I J K L											2/899
SIGNATURE:						TIME:					SIGNATURE:						TIME:						(Ref. #)													

Chain of Custody Record

Company Name <i>Mohawk</i>		Project Manager/Contact		 <b style="font-size: 1.5em;">Galson Laboratories 6601 Kirkville Road East E. Syracuse, New York 13057 315-432-0506 or 800-950-0506										Special QA/QC Protocol (Circle) EPA CLP EPA SW 846 NYS DEC NYS DOH NJ TIER I CALIFORNIA NJ TIER II OTHER (Specify)		PARAMETERS FOR ANALYSIS																		
Project No. <i>L9052</i>		Project Name <i>90100121</i>																																
SAMPLE LOCATION / SAMPLE ID	Date	Time	TYPE															Laboratory ID Number																
			Comp.	Grab	Aqueous	Soil	Other	A	B	C	D	E	F	G	H	I	J		K															
<i>W-12</i>	<i>7/23</i>				X																<i>520725</i>	<i>2</i>												
<i>W-14</i>					X																	<i>520726</i>	<i>2</i>											
<i>W-15</i>					X																	<i>520727</i>	<i>2</i>											
<i>W-16</i>					X																	<i>520728</i>	<i>2</i>											
REMARKS: <i>SAMPLES WERE NOT ICED</i>																		Task No.																
SAMPLERS NAME:										SIGNATURE:																								
SAMPLES RELINQUISHED BY:						SAMPLES RECEIVED BY:						Received For Laboratory By:						DATE: <i>10/2/90</i>																
NAME: <i>Rina B...</i>						NAME:						(Signature) <i>[Signature]</i>						TIME: <i>1300</i>																
SIGNATURE: <i>[Signature]</i>						SIGNATURE:																												
DATE: <i>11/90</i>						DATE:						Custody Seal Intact? Sample <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N.A.																						
TIME: <i>4PM</i>						TIME:																												
NAME:						NAME:						Shipment Complete? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																						
SIGNATURE:						SIGNATURE:																												
DATE:						DATE:						LabStor. Location (Ref. #)																						
SIGNATURE:						SIGNATURE:																												
DATE: <i>11/90</i>						DATE:						A B C D E F G H I J K L																						
TIME: <i>4PM</i>						TIME:																												
NAME:						NAME:						2/89																						
SIGNATURE:						SIGNATURE:																												



6601 Kirkville Road
E. Syracuse, NY 13057
Tel: (315) 432-0506
1-800-950-0506

November 6, 1990

Mr. Mark Paprocki
Seneca Army Depot
Building 125
Romulus, NY 14541

RE: GTS# L9052

Dear Mr. Paprocki:

Enclosed are the field notes and results of the analyses performed on the samples collected September 28, 1990 by GALSON employee Robert Heman. Wells #4 (W-4), #6 (W-6) and #1 (W-1) were resampled October 9, 1990 due to the breakage in transit to the laboratory of the original samples for explosives. All other analyses for these three wells were performed September 28, 1990, the day the samples were originally taken.

Explosive samples were sent to Joe Vondrick of Environmental Science and Engineering in Gainesville, Florida. Results and the invoice for those sample analysis will be sent directly to you.

If you have any questions concerning our results, please contact our Laboratory Client Services Department, Extension 126.

Sincerely,

A handwritten signature in cursive script that reads "Ed Stuber".

Edward A. Stuber, CIH
Associate Laboratory Director
GALSON LABORATORIES

EAS/dd

Enclosure

1970 - 1990 **20**th Anniversary

A division of Galson Technical Services, Inc.

6 AUG 24 1990 COPY 11-19-90



6601 Kirkville Road
 E. Syracuse, NY 13057
 Tel: (315) 432-0506
 1-800-950-0506

LABORATORY ANALYSIS REPORT

Client: SENECA ARMY DEPOT
 Task Number: 90100121
 Location: ROMULUS, NY

Job Number: L9052
 Date Sampled: 28-SEP-1990

Sample ID	Lab ID	TOTAL ORGANIC CARBON MG/L	TOTAL ORGANIC HALOGENS MG/L	SPECIFIC CONDUCTANCE UMHO/CM
W-5	J20713	4.3	0.02	1700
W-4	J20714	9.0	<0.01	1400
W-6	J20715	1.5	<0.01	1700
W-1	J20716	4.7	<0.01	1400
W-3	J20717	5.9	<0.01	1400
W-2	J20718	7.1	<0.01	1700
W-10	J20719	<1	<0.01	1400
W-8	J20720	1.6	<0.01	1100
W-9	J20721	1.5	<0.01	1500
W-11	J20722	<1	<0.01	1200
W-13	J20723	2.3	<0.01	1400
W-14	J20724	3.6	<0.01	1200
W-12	J20725	1.9	<0.01	1400
W-17	J20726	2.0	<0.01	580
W-15	J20727	5.9	<0.01	940
W-16	J20728	1.0	<0.01	840

- (<) - Less Than
- (>) - Greater Than
- NA - Not Applicable
- ND - Not Detectable
- NS - Not Specified
- MG/L - Milligrams Per Liter
- UMHO/CM - Micromhos Per Centimeter

Method(s): EPA 600/M4-82-020

Footnotes:

Submitted by: AES, NET, GG

Approved by: *S.B. Jakeman*

Date: 5-NOV-1990

Page 1 of 1

RECEIVED 4-12-90
MRP



Environmental
Science &
Engineering, Inc.

April 11, 1990
ESE No. 3904078-0100-3200

Mr. Mark R. Paprocki
Seneca Army Depot
Bldg. 123
Romulus, New York 14541

Dear Mr. Paprocki:

Enclosed are the results of analysis of 17 groundwater samples delivered to ESE for nitroaromatic explosives analysis. The samples were received at ESE on March 31, 1990.

The samples were analyzed in accordance with procedures specified in methods that are certified for use by USATHAMA in environmental water samples. The method used was Explosives in Water by HPLC, Method UW14. A summary of the Quality Control (QC) samples analyzed is also enclosed.

Your cost for this analysis is \$6,375.00 as previously agreed (as per P.O. # DAAC7190V0933). An itemized invoice in this amount will follow shortly. Payment is requested within 30 days of the invoice date to avoid 18% APR carrying charges.

Thank you for giving ESE this opportunity to be of service. Please call me if you have any questions or when you again require our service.

Sincerely,

Joseph J. Vondrick
Project Coordinator

JJV:sak
Enclosure

43 DEWELA - Groundwater

SAMPLE ID'S		W1	W2	W3	W4	W5	W6	W7
PARAMETERS	STORET	SENECA	SENECA	SENECA	SENECA	SENECA	SENECA	SENECA
UNITS	METHOD	1	2	3	4	5	6	7
DATE		03/28/90	03/28/90	03/28/90	03/28/90	03/28/90	03/28/90	03/28/90
TIME		11:00	11:45	11:30	10:15	10:00	10:45	12:00
2,4-DINITROTOLUENE	34611	<0.612	<0.612	<0.612	<0.612	<0.612	<0.612	<0.612
UG/L	UW14							
2,6-DINITROTOLUENE	34626	<1.15	<1.15	<1.15	<1.15	<1.15	<1.15	<1.15
UG/L	UW14							
HMX	99431	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65
UG/L	UW14							
RDX	81364	<2.11	<2.11	<2.11	<2.11	<2.11	<2.11	<2.11
UG/L	UW14							
TETRYL,TOTAL	99733	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
UG/L	UW14							
2,4,6-TRINITROTOLUEN	81360	<0.588	<0.588	<0.588	<0.588	<0.588	<0.588	<0.588
E,TOTAL	UG/L	UW14						

SAMPLE ID'S		W8	W9	W10	W11	W12	W13	W14
PARAMETERS	STORET	SENECA	SENECA	SENECA	SENECA	SENECA	SENECA	SENECA
UNITS	METHOD	8	9	10	11	12	13	14
DATE		03/28/90	03/28/90	03/28/90	03/28/90	03/28/90	03/28/90	03/28/90
TIME		13:20	13:30	13:00	13:45	14:30	14:00	14:15
2,4-DINITROTOLUENE	34611	<0.612	<0.612	<0.612	<0.612	<0.612	<0.612	<0.612
UG/L	UW14							
2,6-DINITROTOLUENE	34626	<1.15	<1.15	<1.15	<1.15	<1.15	<1.15	<1.15
UG/L	UW14							
HMX	99431	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65
UG/L	UW14							
RDX	81364	<2.11	<2.11	<2.11	<2.11	<2.11	<2.11	<2.11
UG/L	UW14							
TETRYL, TOTAL	99733	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
UG/L	UW14							
2,4,6-TRINITROTOLUEN	81360	<0.588	<0.588	<0.588	<0.588	<0.588	<0.588	<0.588
E, TOTAL	UG/L	UW14						

SAMPLE ID'S		W15	W16	W17
PARAMETERS	STORET	SENECA	SENECA	SENECA
UNITS	METHOD	15	16	17
DATE		03/28/90	03/28/90	03/29/90
TIME		14:45	15:00	10:00
2,4-DINITROTOLUENE	34611	<0.612	<0.612	<0.612
UG/L	UW14			
2,6-DINITROTOLUENE	34626	<1.15	<1.15	<1.15
UG/L	UW14			
HMX	99431	<1.65	<1.65	<1.65
UG/L	UW14			
RDX	81364	<2.11	<2.11	<2.11
UG/L	UW14			
TETRYL, TOTAL	99733	<0.6	<0.6	<0.6
UG/L	UW14			
2,4,6-TRINITROTOLUEN	81360	<0.588	<0.588	<0.588
E, TOTAL	UG/L	UW14		

ESE BATH : G12553

QC TYPE : USATHAMA REPORT DATE/TIME : 04/10/90 10:15:13
ANALYST : SCOTT McMILLEN ANALYSIS DATE : 04/04/90
EXTRACTOR : DOUG DABNEY EXTRACT DATE : 04/04/90
DATA ENTRY : SCOTT McMILLEN

STATUS : FINAL

STORET: 99431 METHOD: UW14 HMX, UG/L LINE

CALIBRATION CURVE # 1

CURVE DETECTION LIMIT= DATE: 26 MAR 1990 LARGEST RESPONSE=1273979(USER DEFINED) %RSD=6.2849
CONC : 0 27.75 55.5 111 555 2220
RESP : 0 14639 27319 56895 310631 1273979
CONC': 7.0333 32.486 54.533 105.96 547.13 2222.1

CONC = 7.0333+ 1.7387E-3*RESP+ *RESP**2+ *RESP**3
95% C.I.= 6.0254 1.1242E-5
CORRELATION COEFFICIENT = 1

METHOD BLANK(S)

SAMPLE ID CONCENTRATION
SENECA*81 0.0

CONTINUING CALIBRATION STANDARD(S) *** Quality Control Check ***

STANDARD ID INIT. RESP CALIB RESP DIFFERENCE%
4:90*1 1290000 1273979 1.2707
4:90*3 1310000 1273979 2.8563

CONTINUING CALIBRATION VERIFICATION SAMPLE(S) *** Quality Control Check ***

SAMPLE ID CALC. CONC KNOWN CONC DIFFERENCE%
4:90*1 2390 2400 .4167

STORET: 81364 METHOD: UW14 RDY, UG/L LINE

CALIBRATION CURVE # 1

CURVE DETECTION LIMIT= DATE: 26 MAR 1990 LARGEST RESPONSE=1422654 %RSD=11.2761
CONC : 0 25 50 100 500 2000
RESP : 0 22416 36775 69923 349028 1422654
CONC': 0.00480 31.551 51.758 98.408 491.19 2002.1

CONC = 4.8275E-3+ 1.4073E-3*RESP+ *RESP**2+ *RESP**3
95% C.I.= 5.3866 8.9932E-6
CORRELATION COEFFICIENT = 1

METHOD BLANK(S)

SAMPLE ID CONCENTRATION
SENECA*81 0.07843

CONTINUING CALIBRATION STANDARD(S) *** Quality Control Check ***

STANDARD ID INIT. RESP CALIB RESP DIFFERENCE%
4:90*1 1460000 1422654 2.522
4:90*3 1470000 1422654 3.6258

CONTINUING CALIBRATION VERIFICATION SAMPLE(S) *** Quality Control Check ***

SAMPLE ID CALC. CONC KNOWN CONC DIFFERENCE%
4:90*1 2290 2380 3.7815

STANDARD MATRIX SPIKE(S)

SAMPLE ID UNSP CONC SPK CONC FOUND TARGET % RECV REL%DIFF.
SP1*SENECA*81 0.07843 2.4237 2.3453 3.0400 77.14
SP2*SENECA*81 0.07843 24.196 24.118 30.400 79.33
SP3*SENECA*81 0.07843 24.180 24.101 30.400 79.27

• STORET: 99733 METHOD: UW14 TETRYL, TOTAL, UG/L LINE

CALIBRATION CURVE # 1

CURVE DETECTION LIMIT= DATE: 26 MAR 1990 LARGEST RESPONSE=2284194 %RSD=3.5284

CONC : 0 25.12 50.25 100.5 502.5 2010
RESP : 0 27508 54178 103816 557133 2284194
CONC* : 4.7266 28.901 52.339 95.961 494.34 2012.1

CONC = 4.7266+ 8.7881E-4*RESP+ *RESP**2+ *RESP**3
95% C.I.= 5.4122 5.6312E-6
CORRELATION COEFFICIENT = 1

METHOD BLANK(S)

SAMPLE ID CONCENTRATION
SENECA*81 0.0

CONTINUING CALIBRATION STANDARD(S) *** Quality Control Check ***

STANDARD ID INIT. RESP CALIB RESP DIFFERENCE%
4490*1 2320000 2284194 1.4941
4490*3 2320000 2284194 1.442

CONTINUING CALIBRATION VERIFICATION SAMPLE(S) *** Quality Control Check ***

SAMPLE ID CALC. CONC KNOWN CONC DIFFERENCE%
4490*1 2250 2270 .8811

STORET: 81360 METHOD: UW14 2,4,6-TRINITROTOLUENE, TOTAL, UG/L LINE

CALIBRATION CURVE # 1

CURVE DETECTION LIMIT= DATE: 26 MAR 1990 LARGEST RESPONSE=3195824 %RSD=4.0931

CONC : 0 29 58 116 580 2320
RESP : 0 40833 76252 146917 780771 3195824
CONC* : 4.5861 34.200 59.888 111.14 570.84 2322.4

CONC = 4.5861+ 7.2525E-4*RESP+ *RESP**2+ *RESP**3
95% C.I.= 6.0358 4.488E-6
CORRELATION COEFFICIENT = 1

METHOD BLANK(S)

SAMPLE ID CONCENTRATION
SENECA*81 0.0

CONTINUING CALIBRATION STANDARD(S) *** Quality Control Check ***

STANDARD ID INIT. RESP CALIB RESP DIFFERENCE%
4490*1 3230000 3195824 1.0370
4490*3 3260000 3195824 2.0204

CONTINUING CALIBRATION VERIFICATION SAMPLE(S) *** Quality Control Check ***

SAMPLE ID CALC. CONC KNOWN CONC DIFFERENCE%
4490*1 2150 2200 2.2727

STANDARD MATRIX SPIKE(S)

SAMPLE ID UNSPK CONC SPK CONC FOUND TARGET % RECVD REL% DIFF.
SP1*SENECA*81 0.0 2.3380 2.3380 2.6500 88.22
SP2*SENECA*81 0.0 24.266 24.266 26.500 91.57
SP3*SENECA*81 0.0 24.104 24.104 26.500 90.95

STORET: 34626 METHOD: UW14 2,6-DINITROTOLUENE, UG/L LINE

CALIBRATION CURVE # 1

CURVE DETECTION LIMIT= DATE: 26 MAR 1990 LARGEST RESPONSE=2912765 %RSD=3.603

CONC : 0 39 78 156 780 3120
RESP : 0 36716 68909 135101 719639 2912765
CONC* : 4.7544 44.041 78.487 149.40 774.77 3121.4

CONC = 4.7544+ 1.07E-3*RESP+ *RESP**2+ *RESP**3
95% C.I.= 5.1798 4.2231E-6
CORRELATION COEFFICIENT = 1

METHOD BLANK(S)

SAMPLE ID CONCENTRATION
SENECA*81 0.0

CONTINUING CALIBRATION STANDARD(S) *** Quality Control Check ***

STANDARD ID INIT. RESP CALIB RESP DIFFERENCE%
4490*1 2950000 2912765 1.175
4490*2 3010000 2912765 3.3469

CONTINUING CALIBRATION VERIFICATION SAMPLE(S) *** Quality Control Check ***

SAMPLE ID CALC. CONC KNOWN CONC DIFFERENCE%
4490*1 3080 3100 .6452

CALIBRATION CURVE # 1

CURVE DETECTION LIMIT= DATE: 26 MAR 1990 LARGEST RESPONSE=5755021 %RSD=4.4179

CONC :	0	40.5	81	162	810	3240
RESP :	0	71733	132874	261413	1403917	5755021
CONC' :	7.7660	48.096	82.470	154.74	797.08	3243.4

CONC = 7.766+ 5.6222E-4*RESP+ *RESP**2+ *RESP**3
 95% C.I.= 8.8079 3.6374E-6
 CORRELATION COEFFICIENT = 1

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
SENECA*81	0.0

CONTINUING CALIBRATION STANDARD(S) *** Quality Control Check ***

STANDARD ID	INIT. RESP	CALIB RESP	DIFFERENCE%
4490*1	5820000	5755021	1.1946
4490*3	5920000	5755021	2.9157

CONTINUING CALIBRATION VERIFICATION SAMPLE(S) *** Quality Control Check ***

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE%
4490*1	3080	3180	3.1447

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*SENECA*81	0.0	2.8877	2.8877	3.2200	89.68	
SP2*SENECA*81	0.0	29.058	29.058	32.200	90.24	
SP3*SENECA*81	0.0	28.852	28.852	32.200	89.60	



6601 Kirkville Road
E. Syracuse, NY 13057
Tel: (315) 432-0506
1-800-950-0506

April 23, 1990

Mr. Mark R. Paprocki
Seneca Army Depot
Building 123
Romulus, NY 14541

RE: GTS# L9052

Dear Mr. Paprocki:

Enclosed are the results of the analyses performed on the samples collected March 28 and 29, 1990 by Galson employee Paul Gottler.

Explosive samples were sent to Joe Vondrick of Environmental Science and Engineering in Gainesville, Florida. Results and the invoice will be sent directly to you.

If you have any questions concerning our results, please contact our Laboratory Client Services Department, Extension 126.

Sincerely,

Sharon K. Brakeman

Sharon K. Brakeman
Inorganic Department Manager
GALSON LABORATORIES

SKB/dd

Enclosure

#3 G E R A L T A - G r a n d m a s t e r



LABORATORY ANALYSIS REPORT

6601 Kirkville Road
E. Syracuse, NY 13057
Tel: (315) 432-0506
1-800-950-0506

Client: SENECA ARMY DEPOT
Task Number: 90032913
Location: ROMULUS, NY

Job Number: L9052
Date Sampled: 3/28-29/90

TOTAL ORGANIC CARBON

Sample ID	Lab ID	MG/L
WELL 5	J7466	6.2
WELL 4	J7467	5.0
WELL 6	J7468	8.7
WELL 1	J7469	5.0
WELL 3	J7470	6.2
WELL 2	J7471	6.4
WELL 7	J7472	6.0
WELL 10	J7473	5.2
WELL 8	J7474	10
WELL 9	J7475	4.6
WELL 11	J7476	5.5
WELL 13	J7477	7.1
WELL 14	J7478	3.0
WELL 12	J7479	5.0
WELL 17	J7480	2.1
WELL 15	J7481	9.8
WELL 16	J7482	4.0

Method(s): EPA 415.1

Footnotes:

- (<) - Less Than
- (>) - Greater Than
- NA - Not Applicable
- ND - Not Detectable
- NS - Not Specified
- MG - Milligrams
- L - Liters
- M³ - Cubic Meter
- MG/M³ - Milligrams Per Cubic Meter
- PPM - Parts Per Million
- UG - Micrograms
- NG - Nanograms
- BL - Blank

Submitted by: AE
Approved by: *Ed Stuber*
Date: 18-APR-1990





LABORATORY ANALYSIS REPORT

6601 Kirkville Road
 E. Syracuse, NY 13057
 Tel: (315) 432-0506
 1-800-950-0506

Client: SENECA ARMY DEPOT
 Task Number: 90032913
 Location: ROMULUS, NY

Job Number: L9052
 Date Sampled: 3/28-29/90

Sample ID	Lab ID	PHENOLS TOTAL MG/L	SPECIFIC CONDUCTANCE UMHO/CM	CHLORIDE MG/L	SULFATES MG/L
WELL 5	J7466	<0.02	3500	2.8	70
WELL 4	J7467	<0.02	890	3.5	220
WELL 6	J7468	<0.02	680	4.0	93
WELL 1	J7469	<0.02	860	3.4	280
WELL 3	J7470	<0.02	650	4.0	100
WELL 2	J7471	<0.02	520	2.6	73
WELL 7	J7472	<0.02	400	1.2	24
WELL 10	J7473	<0.02	940	13	270
WELL 8	J7474	<0.02	1500	26	640
WELL 9	J7475	<0.02	860	6.8	210
WELL 11	J7476	<0.02	1000	41	250
WELL 13	J7477	<0.02	820	11	250
WELL 14	J7478	<0.02	1100	16	140
WELL 12	J7479	<0.02	9900	11	110
WELL 17	J7480	<0.02	560	2.5	59
WELL 15	J7481	<0.02	1400	11	420
WELL 16	J7482	<0.02	730	1.9	190

Method(s): EPA 600/4-79-020

Footnotes:

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- MG - Milligrams
- L - Liters
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- MG/M³ - Milligrams Per Cubic Meter
- PPM - Parts Per Million
- UG - Micrograms
- NG - Nanograms
- BL - Blank
- CM - Centimeters
- UMHO - Micromohs

Submitted by: PP, AB, SM
 Approved by: *A. Rednik*
 Date: 18-APR-1990





LABORATORY ANALYSIS REPORT

6601 Kirkville Road
 E. Syracuse, NY 13057
 Tel: (315) 432-0506
 1-800-950-0506

Client: SENECA ARMY DEPOT
 Task Number: 90032913
 Location: ROMULUS, NY

Job Number: L9052
 Date Sampled: 3/28-29/90

Sample ID	Lab ID	IRON MG/L	SODIUM MG/L	MANGANESE MG/L
WELL 5	J7466	0.79	5.3	0.028
WELL 4	J7467	4.1	16	0.064
WELL 6	J7468	0.97	8.0	0.019
WELL 1	J7469	1.5	8.6	0.015
WELL 3	J7470	0.67	3.4	<0.008
WELL 2	J7471	1.4	3.5	0.011
WELL 7	J7472	1.6	1.6	0.019
WELL 10	J7473	0.14	10	0.020
WELL 8	J7474	0.68	32	0.029
WELL 9	J7475	0.80	10	0.035
WELL 11	J7476	0.50	17	0.022
WELL 13	J7477	0.14	14	<0.008
WELL 14	J7478	0.29	34	<0.008
WELL 12	J7479	0.89	20	0.019
WELL 17	J7480	4.0	4.8	0.20
WELL 15	J7481	1.1	22	0.044
WELL 16	J7482	1.5	4.9	0.020


Method(s): EPA 600/4-79-020
 Footnotes:

- (<) - Less Than
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- NA - Not Applicable
- ND - Not Detectable
- NS - Not Specified
- MG - Milligrams
- L - Liters
- M³ - Cubic Meter
- MG/M³ - Milligrams Per Cubic Meter
- PPM - Parts Per Million
- UG - Micrograms
- NG - Nanograms
- BL -- Blank

Submitted by: ML
 Approved by: *[Signature]*
 Date: 18-APR-1990



Chain of Custody Record

Company Name GTS		Project Manager/Contact Ed Stuber		 <b style="font-size: 1.5em;">Galson Laboratories 6601 Kirkville Road East E. Syracuse, New York 13057 315-432-0506 or 800-950-0506															Special QA/QC Protocol (Circle) EPA CLP EPA SW 846 NYS DEC NYS DOH NJ TIER I CALIFORNIA NJ TIER II OTHER (Specify)						PARAMETERS FOR ANALYSIS									
Project No. GZ-020		Project Name Seneca Army Depot																	EXPLOSIVITY P H E N O L S T O C S P. C O N T. S W 9 M E T H S F E M N N 4															
Date		Time																																TYPE
SAMPLE LOCATION / SAMPLE ID		Comp.	Grab	A	B	C	D	E	F	G	H	I	J	K	L	M	N																	
Well 14 W 14		3-28	1415	X	X																													
Well 12 W 12		1	1430	X	X																													
Well 17 W 17		3-29	10:00	X	X																													
Well 15 W 15		3-28	1445	X	X																													
Well 16 W 16		1	1500	X	X																													
REMARKS: Samples collected in order of increasing contaminant concentration, if any.																																		
Task No.																																		
SAMPLERS NAME: Paul F. Gottler										SIGNATURE: <i>Paul F. Gottler</i>																								
SAMPLES RELINQUISHED BY:					SAMPLES RECEIVED BY:					Received For Laboratory By: <i>Michelle Stonecipher</i> DATE: 3/29/90 TIME: 1:40 PM																								
NAME: Paul F. Gottler DATE: 3-29-90					NAME: _____ DATE: _____					Custody Seal Intact? Sample <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N.A.																								
SIGNATURE: <i>Paul F. Gottler</i> TIME: 1300					SIGNATURE: _____ TIME: _____					Shipment Complete? <input type="checkbox"/> Yes <input type="checkbox"/> No																								
NAME: _____ DATE: _____					NAME: _____ DATE: _____					Lab Stor. Location (Ref. #)																								
SIGNATURE: _____ TIME: _____					SIGNATURE: _____ TIME: _____					A B C D E F G H I J K L 2/89																								



GROUNDWATER SAMPLING LOG

PROJECT Seneca Army Depot

LOCATION _____

Romulus, N.Y.

DATE(S) 3-28-90

CLIENT Galson Laboratories
(Seneca Army Depot)

JOB NUMBER GZ-020

TIME(S) 1000

WEATHER cloudy cool

WELL I.D. well 5 W5

WATER LEVEL MEASUREMENT (BEFORE PURGING)

TOP OF CASING _____ TOP OF PROTECTIVE CASING _____ TOP OF CURB BOX

A. DEPTH OF WATER FROM REFERENCE POINT: 11.26 FEET

B. HEIGHT OF REFERENCE POINT ABOVE GROUND SURFACE: _____ FEET

D. WELL ELEVATION _____

C. DEPTH OF WATER FROM GROUND SURFACE: 2.68 FEET

E. WATER ELEVATION _____

PURGING

BAILER TYPE: Voss disposable

PUMP TYPE: _____

INSIDE WELL DIAMETER: 4.0 INCHES

WELL VOLUME: $(\frac{11.26}{\text{TOTAL DEPTH OF WELL FROM REFERENCE POINT}}) \text{ FEET} - (\frac{2.68}{\text{DEPTH OF WATER FROM REFERENCE POINT}}) \text{ FEET} \times (\frac{.66}{\text{CONVERSION FACTOR}}) \text{ FEET} = \underline{.66} \text{ GAL}$

* CONVERSION FACTORS: 2 INCH WELL = .16 OR 4 INCH WELL = .65

AMOUNT PURGED: to bp 17.0 gal was 10 gallons - well dry

SAMPLING

BAILER TYPE: Voss disposable

PUMP TYPE: _____

COMPONENTS MATERIALS: _____

LIST OF CONTAINERS FILLED IN THE FIELD: 3 - 1 l bottles

3 250 ml "

All (6) labeled W5

SAMPLE DESCRIPTION: generally clear

COMMENTS: total volume not incrementally

cloudy with depth, very high water

needed dry

SAMPLED BY: Paul F. Gattler



GROUNDWATER SAMPLING LOG

PROJECT Seneca Army Depot

LOCATION _____

Romulus, NY

DATE(S) 3-28-90

CLIENT Galson Laboratories
(Seneca Army Depot)

JOB NUMBER GZ-020

TIME(S) 10:15

WEATHER Snowing

WELL I.D. well 4 W4

WATER LEVEL MEASUREMENT (BEFORE PURGING)

X TOP OF CASING _____ TOP OF PROTECTIVE CASING _____ TOP OF CURB BOX

A. DEPTH OF WATER FROM REFERENCE POINT: 12.32 FEET

B. HEIGHT OF REFERENCE POINT ABOVE GROUND SURFACE: _____ FEET

C. DEPTH OF WATER FROM GROUND SURFACE: 5.85 FEET

D. WELL ELEVATION _____

E. WATER ELEVATION _____

PURGING

BAILER TYPE: UOSS PUMP TYPE: _____

INSIDE WELL DIAMETER: 4 INCHES

WELL VOLUME: $(\frac{12.32}{\text{TOTAL DEPTH OF WELL FROM REFERENCE POINT}}) \text{ FEET} - (\frac{5.85}{\text{DEPTH OF WATER FROM REFERENCE POINT}}) \text{ FEET} \times (\frac{.66}{\text{CONVERSION FACTOR}}) \text{ FEET} = \underline{4.3} \text{ GALLONS}$

* CONVERSION FACTORS: 2 INCH WELL = .16 OR 4 INCH WELL = .65

AMOUNT PURGED: Should be 12.8 was 12.8

SAMPLING

BAILER TYPE: dedicated PUMP TYPE: _____

COMPONENTS MATERIALS: _____

LIST OF CONTAINERS FILLED IN THE FIELD: 13 1 l bottles
1 250 ml "
All (6) labeled W-4

SAMPLE DESCRIPTION: Slightly cloudy

COMMENTS: could not get water into well after
30 min. 7 gallons of water
only slightly cloudy after 12 gallons

SAMPLED BY: Paul F. Galtier

PAGE 2 OF 17



GROUNDWATER SAMPLING LOG

PROJECT Seneca Army Depot

LOCATION _____

Romulus NY

DATE(S) 3-28-90

CLIENT Galson Laboratories
(Seneca Army Depot)

TIME(S) 10:45

JOB NUMBER GZ-020

WEATHER Sunny - Cold

WELL I.D. Well G 116

WATER LEVEL MEASUREMENT (BEFORE PURGING)

TOP OF CASING TOP OF PROTECTIVE CASING TOP OF CURB BOX

A. DEPTH OF WATER FROM REFERENCE POINT: 11.05 FEET

B. HEIGHT OF REFERENCE POINT ABOVE GROUND SURFACE: _____ FEET

C. DEPTH OF WATER FROM GROUND SURFACE: 3.10 FEET

D. WELL ELEVATION _____

E. WATER ELEVATION _____

PURGING

BAILER TYPE: Voss PUMP TYPE: -

INSIDE WELL DIAMETER: 4.0 INCHES

WELL VOLUME: $(11.05) \text{ FEET} - (3.10) \text{ FEET} \times (.66) \text{ FEET} = 5.3 \text{ GALLONS}$

TOTAL DEPTH OF WELL FROM REFERENCE POINT DEPTH OF WATER FROM REFERENCE POINT CONVERSION FACTOR

* CONVERSION FACTORS: 2 INCH WELL = .16 OR 4 INCH WELL = .65

AMOUNT PURGED: should be 15.9 gal; was 7.5 well dry at 7.0

SAMPLING

BAILER TYPE: dedicated PUMP TYPE: -

COMPONENTS MATERIALS: -

LIST OF CONTAINERS FILLED IN THE FIELD: 3 - 1 l bottles
3 - 250 ml "
All (6) labeled w-6

SAMPLE DESCRIPTION: generally clear

COMMENTS: bailed volume contained high suspended sediment concentration after 50 gallons purged

SAMPLED BY: Paul F. Gattler



GROUNDWATER SAMPLING LOG

PROJECT Seneca Army Depot

LOCATION Romulus, NY.

CLIENT Galson Laboratories (Seneca Army Depot)

DATE(S) 3-28-90

JOB NUMBER GZ-020

TIME(S) 11:00

WEATHER sunny cold

WELL I. D. Well 1 W1

WATER LEVEL MEASUREMENT (BEFORE PURGING)

TOP OF CASING TOP OF PROTECTIVE CASING TOP OF CURB BOX

A. DEPTH OF WATER FROM REFERENCE POINT: 13.65 FEET

B. HEIGHT OF REFERENCE POINT ABOVE GROUND SURFACE: _____ FEET

C. DEPTH OF WATER FROM GROUND SURFACE: 7.05 FEET

D. WELL ELEVATION _____

E. WATER ELEVATION _____

PURGING

BAILER TYPE: Voss PUMP TYPE: _____

INSIDE WELL DIAMETER: 4 INCHES

WELL VOLUME: $(\frac{13.65}{\text{TOTAL DEPTH OF WELL FROM REFERENCE POINT}}) \text{ FEET} - (\frac{7.05}{\text{DEPTH OF WATER FROM REFERENCE POINT}}) \text{ FEET} \times (\frac{.66}{\text{CONVERSION FACTOR}}) \text{ FEET} = \underline{4.3} GALLONS$

* CONVERSION FACTORS: 2 INCH WELL = .16 OR 4 INCH WELL = .65

AMOUNT PURGED: should be 12.9 gallons, was 9, dry at 8.5 gal

SAMPLING

BAILER TYPE: dedicated PUMP TYPE: _____

COMPONENTS MATERIALS: _____

LIST OF CONTAINERS FILLED IN THE FIELD: 3 - 1 l bottles
3 - 250 ml "
All (6) labeled W-1

SAMPLE DESCRIPTION: clear

COMMENTS: casing height is ~ 4'6" off ground
 had no samples so no concentration
 at depths well was dry



6601 Kirkville Road
E. Syracuse, NY 13057
Tel: (315) 432-0506
1-800-950-0506

April 23, 1990

Mr. Mark R. Paprocki
Seneca Army Depot
Building 123
Romulus, NY 14541

RE: GTS# L9052

Dear Mr. Paprocki:

Enclosed are the results of the analyses performed on the samples collected March 28 and 29, 1990 by Galson employee Paul Gottler.

Explosive samples were sent to Joe Vondrick of Environmental Science and Engineering in Gainesville, Florida. Results and the invoice will be sent directly to you.

If you have any questions concerning our results, please contact our Laboratory Client Services Department, Extension 126.

Sincerely,

Sharon K. Brakeman

Sharon K. Brakeman
Inorganic Department Manager
GALSON LABORATORIES

SKB/dd

Enclosure



LABORATORY ANALYSIS REPORT

6601 Kirkville Road
E. Syracuse, NY 13057
Tel: (315) 432-0506
1-800-950-0506

Client: SENECA ARMY DEPOT
Task Number: 90032913
Location: ROMULUS, NY

Job Number: L9052
Date Sampled: 3/28-29/90

TOTAL ORGANIC CARBON

Sample ID	Lab ID	MG/L
WELL 5	J7466	6.2
WELL 4	J7467	5.0
WELL 6	J7468	8.7
WELL 1	J7469	5.0
WELL 3	J7470	6.2
WELL 2	J7471	6.4
WELL 7	J7472	6.0
WELL 10	J7473	5.2
WELL 8	J7474	10
WELL 9	J7475	4.6
WELL 11	J7476	5.5
WELL 13	J7477	7.1
WELL 14	J7478	3.0
WELL 12	J7479	5.0
WELL 17	J7480	2.1
WELL 15	J7481	9.8
WELL 16	J7482	4.0

Method(s): EPA 415.1

Footnotes:

- (<) - Less Than
- (>) - Greater Than
- NA - Not Applicable
- ND - Not Detectable
- NS - Not Specified
- MG - Milligrams
- L - Liters
- M³ - Cubic Meter
- MG/M³ - Milligrams Per Cubic Meter
- PPM - Parts Per Million
- UG - Micrograms
- NG - Nanograms
- BL - Blank

Submitted by: AE
Approved by: *Ed Stuber*
Date: 18-APR-1990



LABORATORY ANALYSIS REPORT

6601 Kirkville Road
E. Syracuse, NY 13057
Tel: (315) 432-0506
1-800-950-0506

Client: SENECA ARMY DEPOT
Task Number: 90032913
Location: ROMULUS, NY

Job Number: L9052
Date Sampled: 3/28-29/90

Table with 5 columns: Sample ID, Lab ID, IRON (MG/L), SODIUM (MG/L), MANGANESE (MG/L). Rows include WELL 5 through WELL 16 with corresponding values.


- (<) - Less Than
(>) - Greater Than
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NS - Not Specified
MG - Milligrams
L - Liters
M³ - Cubic Meter
MG/M³ - Milligrams Per Cubic Meter
PPM - Parts Per Million
UG - Micrograms
NG - Nanograms
BL - Blank

Method(s): EPA 600/4-79-020
Footnotes:

Submitted by: ML
Approved by: Mary Girthron
Date: 18-APR-1990



Chain of Custody Record

Company Name GTS		Project Manager/Contact Ed Stuber		 Galson Laboratories 6601 Kirkville Road East E. Syracuse, New York 13057 315-432-0506 or 800-950-0506		Special QA/QC Protocol (Circle) EPA CLP EPA SW 846 NYS DEC NYS DOH NJ TIER I CALIFORNIA NJ TIER II OTHER (Specify)		PARAMETERS FOR ANALYSIS											
Project No. GZ-020		Project Name Seneca Army Depot				EXPLOSIVITY PHENOLS TOC SPECIATED C, S O ₄ METALS Fe, Ni, Mn,													
SAMPLE LOCATION / SAMPLE ID	Date	Time	TYPE					Laboratory ID Number											
			Comp.	Grab	Aqueous	Soil	Other	A	B	C	D	E	F	G	H	I	J	K	
Well 5 W5	3/28	10:00	X	X															
Well 4 W4		10:15	X	X															
Well 6 W6		10:45	X	X															
Well 1 W1		11:00	X	X															
Well 3 W3		11:30	X	X															
Well 2 W2		11:45	X	X															
Well 7 W7		12:00	X	X															
Well 10 W10		12:15	X	X															
Well 8 W8		1300	X	X															
Well 9 W9		1315	X	X															
Well 11 W11		1330	X	X															
Well 13 W13		1400	X	X															
REMARKS: Samples collected in order of increasing contaminant concentration.												Task No.							
SAMPLERS NAME: Paul F. Gottler			SIGNATURE: <i>Paul F. Gottler</i>																
SAMPLES RELINQUISHED BY:						SAMPLES RECEIVED BY:						Received For Laboratory By: <i>Michelle Stone</i> DATE: 3/29/90							
NAME: Paul F. Gottler			DATE: 3/29/90			NAME:			DATE:			(Signature) <i>Michelle Stone</i> TIME: 1:40 PM							
SIGNATURE: <i>Paul F. Gottler</i>			TIME: 1300			SIGNATURE:			TIME:			Custody Seal Intact? Sample <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N.A.							
NAME:			DATE:			NAME:			DATE:			Shipment Complete? <input type="checkbox"/> Yes <input type="checkbox"/> No							
SIGNATURE:			TIME:			SIGNATURE:			TIME:			LabStor. Location (Ref. #)							
NAME:			DATE:			NAME:			DATE:			A B C D E F G H I J K L							
SIGNATURE:			TIME:			SIGNATURE:			TIME:			2/89							



LABORATORY ANALYSIS REPORT

6601 Kirkville Road
 E. Syracuse, NY 13057
 Tel: (315) 432-0506
 1-800-950-0506

Client: SENECA ARMY DEPOT
 Task Number: 90032913
 Location: ROMULUS, NY

Job Number: L9052
 Date Sampled: 3/28-29/90

Sample ID	Lab ID	PHENOLS TOTAL MG/L	SPECIFIC CONDUCTANCE UMHO/CM	CHLORIDE MG/L	SULFATES MG/L
WELL 5	J7466	<0.02	3500	2.8	70
WELL 4	J7467	<0.02	890	3.5	220
WELL 6	J7468	<0.02	680	4.0	93
WELL 1	J7469	<0.02	860	3.4	280
WELL 3	J7470	<0.02	650	4.0	100
WELL 2	J7471	<0.02	520	2.6	73
WELL 7	J7472	<0.02	400	1.2	24
WELL 10	J7473	<0.02	940	13	270
WELL 8	J7474	<0.02	1500	26	640
WELL 9	J7475	<0.02	860	6.8	210
WELL 11	J7476	<0.02	1000	41	250
WELL 13	J7477	<0.02	820	11	250
WELL 14	J7478	<0.02	1100	16	140
WELL 12	J7479	<0.02	9900	11	110
WELL 17	J7480	<0.02	560	2.5	59
WELL 15	J7481	<0.02	1400	11	420
WELL 16	J7482	<0.02	730	1.9	190

Method(s): EPA 600/4-79-020

Footnotes:

- (<) - Less Than
- (>) - Greater Than
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- ND - Not Detectable
- NS - Not Specified
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- L - Liters
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- PPM - Parts Per Million
- UG - Micrograms
- NG - Nanograms
- BL - Blank
- CM - Centimeters
- UMHO - Micromohs

Submitted by: PP, AE, SM

Approved by: *Q. Bederka*

Date: 18-APR-1990

Chain of Custody Record

Page _____ of _____

Company Name GTS		Project Manager/Contact Ed Stuber		 Galson Laboratories				Special QA/QC Protocol (Circle) EPA CLP EPA SW 846 NYS DEC NYS DOH NJ TIER I CALIFORNIA NJ TIER II OTHER (Specify)				PARAMETERS FOR ANALYSIS																							
Project No. GZ-020	Project Name Seneca Army Depot											Exp.	Solv.	P	H	L	S	T	O	C	Sp. Cond.	Cl ₂	SOA	Mn	Fe	NH ₄									

SAMPLE LOCATION / SAMPLE ID	Date	Time	TYPE					Laboratory ID Number																																	
			Comp.	Grab	Aqueous	Soil	Other	A	B	C	D	E	F	G	H	I	J	K																							
Well 14	W 14	3-28	1415	X	X																																				
Well 12	W 12	1	1430	X	X																																				
Well 17	W 17	3-29	10:00	X	X																																				
Well 15	W 15	3-28	1445	X	X																																				
Well 16	W 16	1	1500	X	X																																				

REMARKS: Task No.
Samples collected in order of increasing contaminant concentration, if any.

SAMPLERS
 NAME: *Paul F. Götter* SIGNATURE: *Paul F. Götter*

SAMPLES RELINQUISHED BY:			SAMPLES RECEIVED BY:			Received For Laboratory By: <i>Michelle Monaghan</i> DATE: <i>3/29/90</i>					
NAME: <i>Paul F. Götter</i> DATE: <i>3-29-90</i>			NAME: _____ DATE: _____			(Signature) <i>Michelle Monaghan</i> TIME: <i>1:40 PM</i>					
SIGNATURE: <i>Paul F. Götter</i> TIME: <i>1300</i>			SIGNATURE: _____ TIME: _____			Custody Seal Intact? Sample <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N.A.					
NAME: _____ DATE: _____			NAME: _____ DATE: _____			Shipment Complete? <input type="checkbox"/> Yes <input type="checkbox"/> No					
SIGNATURE: _____ TIME: _____			SIGNATURE: _____ TIME: _____			Lab Stor. Location (Ref. #)					
NAME: _____ DATE: _____			NAME: _____ DATE: _____			A B C D E F G H I J K L					
SIGNATURE: _____ TIME: _____			SIGNATURE: _____ TIME: _____			2899					



GROUNDWATER SAMPLING LOG

PROJECT Seneca Army Depot

LOCATION _____

Romulus, NY.

CLIENT Galson Laboratories
(Seneca Army Depot)

DATE(S) 3-28-90

JOB NUMBER GZ-020

TIME(S) 1000

WEATHER cloudy cool

WELL I. D. well 5 W5

WATER LEVEL MEASUREMENT (BEFORE PURGING)

TOP OF CASING TOP OF PROTECTIVE CASING TOP OF CURB BOX

A. DEPTH OF WATER FROM REFERENCE POINT: 11.26 FEET

B. HEIGHT OF REFERENCE POINT ABOVE GROUND SURFACE: _____ FEET

D. WELL ELEVATION _____

C. DEPTH OF WATER FROM GROUND SURFACE: 2.68 FEET

E. WATER ELEVATION _____

PURGING

BAILER TYPE: Voss disposable

PUMP TYPE: _____

INSIDE WELL DIAMETER: 4.0 INCHES

WELL VOLUME: $(\underbrace{11.26}_{\text{TOTAL DEPTH OF WELL FROM REFERENCE POINT}}) \text{ FEET} - (\underbrace{2.68}_{\text{DEPTH OF WATER FROM REFERENCE POINT}}) \text{ FEET} \times (\underbrace{.66}_{\text{CONVERSION FACTOR}}) \text{ FEET} = \underline{5.66} \text{ GAL}$

* CONVERSION FACTORS: 2 INCH WELL = .16 OR 4 INCH WELL = .65

AMOUNT PURGED: to be 17.0 gal was 10 collars - well dry

SAMPLING

BAILER TYPE: Voss disposable

PUMP TYPE: _____

COMPONENTS MATERIALS: _____

LIST OF CONTAINERS FILLED IN THE FIELD: 3 - 1 l bottles
3 250 ml "
All (6) labeled w 5

SAMPLE DESCRIPTION: generally clear

COMMENTS: bailed volume not increasingly
cloudy with depth. Very high as we
erged dry

SAMPLED BY: Paul F. Gattler



GROUNDWATER SAMPLING LOG

PROJECT Seneca Army Depot

LOCATION _____

Romulus, NY

DATE(S) 3-28-90

TIME(S) 10:15

WELL I. D. well 4 W4

CLIENT Galson Laboratories
(Seneca Army Depot)

JOB NUMBER G7-020

WEATHER Snowing

WATER LEVEL MEASUREMENT (BEFORE PURGING)

X TOP OF CASING _____ TOP OF PROTECTIVE CASING _____ TOP OF CURB BOX

A. DEPTH OF WATER FROM REFERENCE POINT: 12.32 FEET

B. HEIGHT OF REFERENCE POINT ABOVE GROUND SURFACE: _____ FEET

D. WELL ELEVATION _____

C. DEPTH OF WATER FROM GROUND SURFACE: 5.85 FEET

E. WATER ELEVATION _____

PURGING

BAILER TYPE: UOSS

PUMP TYPE: _____

INSIDE WELL DIAMETER: 4 INCHES

WELL VOLUME: $(12.32) \text{ FEET} - (5.85) \text{ FEET} \times (.66) \text{ FEET} = 4.3 \text{ GALLONS}$
TOTAL DEPTH OF WELL FROM REFERENCE POINT DEPTH OF WATER FROM REFERENCE POINT CONVERSION FACTOR

* CONVERSION FACTORS: 2 INCH WELL = .18 OR 4 INCH WELL = .65

AMOUNT PURGED: Should be - 12.8 was - 12.8

SAMPLING

BAILER TYPE: dedicated

PUMP TYPE: _____

COMPONENTS MATERIALS: _____

LIST OF CONTAINERS FILLED IN THE FIELD: (3) 1 l bottles

(2) 250ml "

All (6) labeled W-4

SAMPLE DESCRIPTION: Slightly cloudy

COMMENTS: could see water entering well after

purging 7 gallons of water. Water

only slightly cloudy after 12 gallons

SAMPLED BY: Paul F. Götter



GROUNDWATER SAMPLING LOG

PROJECT Seneca Army Depot

LOCATION _____

Romulus, NY

DATE(S) 3-28-90

CLIENT Galson Laboratories
(Seneca Army Depot)

TIME(S) 10:45

JOB NUMBER G7-020

WEATHER Sunny - Cold

WELL I. D. Well 6 W6

WATER LEVEL MEASUREMENT (BEFORE PURGING)

TOP OF CASING TOP OF PROTECTIVE CASING TOP OF CURB BOX

A. DEPTH OF WATER FROM REFERENCE POINT: 11.05 FEET

B. HEIGHT OF REFERENCE POINT ABOVE GROUND SURFACE: _____ FEET

D. WELL ELEVATION _____

C. DEPTH OF WATER FROM GROUND SURFACE: 3.10 FEET

E. WATER ELEVATION _____

PURGING

BAILER TYPE: Voss PUMP TYPE: -

INSIDE WELL DIAMETER: 4.0 INCHES

WELL VOLUME: $(11.05) \text{ FEET} - (3.10) \text{ FEET} \times (.66) \text{ FEET} = 5.3 \text{ GALLONS}$
TOTAL DEPTH OF WELL FROM REFERENCE POINT DEPTH OF WATER FROM REFERENCE POINT CONVERSION FACTOR

* CONVERSION FACTORS: 2 INCH WELL = .16 OR 4 INCH WELL = .65

AMOUNT PURGED: should be 15.9 gal; was 7.5 well dry at 7.0

SAMPLING

BAILER TYPE: dedicated PUMP TYPE: -

COMPONENTS MATERIALS: -

LIST OF CONTAINERS FILLED IN THE FIELD: 3 - 1 l bottles
3 - 50 ml "
All (6) labeled W-6

SAMPLE DESCRIPTION: generally clear

COMMENTS: bailed volume contained high suspended sediment concentration after 5.0 gallons purged

SAMPLED BY: Paul F. Gattler



GROUNDWATER SAMPLING LOG

PROJECT Seneca Army Depot

LOCATION _____

Romulus, NY.

DATE(S) 3-28-90

TIME(S) 11:00

WELL I. D. Well 1 W1

CLIENT Galson Laboratories
(Seneca Army Depot)

JOB NUMBER GZ-020

WEATHER Sunny cold

WATER LEVEL MEASUREMENT (BEFORE PURGING)

TOP OF CASING TOP OF PROTECTIVE CASING TOP OF CURB BOX

A. DEPTH OF WATER FROM REFERENCE POINT: 13.65 FEET

B. HEIGHT OF REFERENCE POINT ABOVE GROUND SURFACE: _____ FEET

D. WELL ELEVATION _____

C. DEPTH OF WATER FROM GROUND SURFACE: 7.05 FEET

E. WATER ELEVATION _____

PURGING

BAILER TYPE: Voss PUMP TYPE: _____

INSIDE WELL DIAMETER: 4 INCHES

WELL VOLUME: $(\frac{13.65}{\text{TOTAL DEPTH OF WELL FROM REFERENCE POINT}}) \text{ FEET} - (\frac{7.05}{\text{DEPTH OF WATER FROM REFERENCE POINT}}) \text{ FEET} \times (\frac{.66}{\text{CONVERSION FACTOR}}) \text{ FEET} = \underline{4.3} \text{ GALLONS}$

* CONVERSION FACTORS: 2 INCH WELL = .18 OR 4 INCH WELL = .65

AMOUNT PURGED: should be 12.9 gallons, was 9, dry at 8.5 gal

SAMPLING

BAILER TYPE: dedicated PUMP TYPE: _____

COMPONENTS MATERIALS: _____

LIST OF CONTAINERS FILLED IN THE FIELD: 3 - 1 l bottles

3 - 250 ml "

All (6) labeled W-1

SAMPLE DESCRIPTION: clear

COMMENTS: casing height is ~ 4'6" off ground

High suspended sediment concentration at depths, well suggest dry

SAMPLED BY: Paul F Gattler



GROUNDWATER SAMPLING LOG

PROJECT Seneca Army Depot

LOCATION _____

Romulus, NY.

DATE(S) 3-28-90

CLIENT Galson Laboratories
(Seneca Army Depot)

JOB NUMBER GZ-020

TIME(S) 11:30

WEATHER Snowy & cold

WELL I.D. Well 3 W3

WATER LEVEL MEASUREMENT (BEFORE PURGING)

TOP OF CASING TOP OF PROTECTIVE CASING TOP OF CURB BOX

A. DEPTH OF WATER FROM REFERENCE POINT: 15.96 FEET

B. HEIGHT OF REFERENCE POINT ABOVE GROUND SURFACE: _____ FEET

C. DEPTH OF WATER FROM GROUND SURFACE: 7.26 FEET

D. WELL ELEVATION _____

E. WATER ELEVATION _____

PURGING

BAILER TYPE: Voc PUMP TYPE: _____

INSIDE WELL DIAMETER: 4.0 INCHES

WELL VOLUME: $(\frac{15.96}{\text{TOTAL DEPTH OF WELL FROM REFERENCE POINT}}) \text{ FEET} - (\frac{7.26}{\text{DEPTH OF WATER FROM REFERENCE POINT}}) \text{ FEET} \times (\frac{.66}{\text{CONVERSION FACTOR}}) \text{ FEET} = \underline{5.7} \text{ GALLONS}$

* CONVERSION FACTORS: 2 INCH WELL = .18 OR 4 INCH WELL = .65

AMOUNT PURGED: about 17.2, was 15.0 say it 14.5

SAMPLING

BAILER TYPE: dedicated PUMP TYPE: _____

COMPONENTS MATERIALS: _____

LIST OF CONTAINERS FILLED IN THE FIELD: (3) - 1 l bottles
(3) - 250ml "
All (6) labeled W-3

SAMPLE DESCRIPTION: _____

COMMENTS: Bailed volume had high suspended sediment volume after 7.0 gallons purged. Purged well dry

SAMPLED BY: Paul F. Götter

PAGE 5 OF 17



GROUNDWATER SAMPLING LOG

PROJECT Seneca Army Depot

LOCATION _____

Romulus, NY

DATE(S) 3-28-90

CLIENT Galson Laboratories
(Seneca Army Depot)

JOB NUMBER GZ-020

TIME(S) 1145

WEATHER Sunny-cold

WELL I. D. well 2 WZ

WATER LEVEL MEASUREMENT (BEFORE PURGING)

TOP OF CASING TOP OF PROTECTIVE CASING TOP OF CURB BOX

A. DEPTH OF WATER FROM REFERENCE POINT: 9.36 FEET

B. HEIGHT OF REFERENCE POINT ABOVE GROUND SURFACE: _____ FEET

D. WELL ELEVATION _____

C. DEPTH OF WATER FROM GROUND SURFACE: 6.10 FEET

E. WATER ELEVATION _____

PURGING

BAILER TYPE: JOSS PUMP TYPE: _____

INSIDE WELL DIAMETER: 4.0 INCHES

WELL VOLUME: $(9.36) \text{ FEET} - (6.10) \text{ FEET} \times (.56) \text{ FEET} = 2.1 \text{ GALLONS}$

* CONVERSION FACTORS: 2 INCH WELL = .16 OR 4 INCH WELL = .65

AMOUNT PURGED: should be 6.3 gal, was 4.0 dry at 3.0

SAMPLING

BAILER TYPE: dedicated PUMP TYPE: _____

COMPONENTS MATERIALS: _____

LIST OF CONTAINERS FILLED IN THE FIELD: 3 - 1 l bottles

3 - 250 ml "

All 16 labeled W-2

SAMPLE DESCRIPTION: cloudy

COMMENTS: _____

SAMPLED BY: Paul F. Gattler



GROUNDWATER SAMPLING LOG

PROJECT Seneca Army Depot

LOCATION _____

Romulus, NY

CLIENT Galson Laboratories
(Seneca Army Depot)

DATE(S) 3-28-90

JOB NUMBER G7-020

TIME(S) 1200

WEATHER Clear

WELL I. D. _____

WATER LEVEL MEASUREMENT (BEFORE PURGING)

TOP OF CASING TOP OF PROTECTIVE CASING TOP OF CURB BOX

A. DEPTH OF WATER FROM REFERENCE POINT: 7.62 FEET

B. HEIGHT OF REFERENCE POINT ABOVE GROUND SURFACE: _____ FEET

C. DEPTH OF WATER FROM GROUND SURFACE: 2.64 FEET

D. WELL ELEVATION _____

E. WATER ELEVATION _____

PURGING

BAILER TYPE: Voss PUMP TYPE: _____

INSIDE WELL DIAMETER: 4.0 INCHES

WELL VOLUME: $(\frac{7.62}{\text{TOTAL DEPTH OF WELL FROM REFERENCE POINT}}) \text{ FEET} - (\frac{2.64}{\text{DEPTH OF WATER FROM REFERENCE POINT}}) \text{ FEET} \times (\frac{150}{\text{CONVERSION FACTOR}}) \text{ FEET} = 3.3 \text{ GALLONS}$

* CONVERSION FACTORS: 2 INCH WELL = .18 OR 4 INCH WELL = .65

AMOUNT PURGED: should be 9.8 gal, was 6.5 dry at 5.5

SAMPLING

BAILER TYPE: dedicated PUMP TYPE: -

COMPONENTS MATERIALS: _____

LIST OF CONTAINERS FILLED IN THE FIELD: (3) - 1 l bottles

(3) - 250 ml "

All (6) labeled w-7

SAMPLE DESCRIPTION: slightly cloudy

COMMENTS: Bailed volume got increasingly

cloudy, high suspended sediment

after 5 gallons purged

SAMPLED BY: Paul F. Gattler



GROUNDWATER SAMPLING LOG

PROJECT Seneca Army Depot

LOCATION _____

Romulus, NY

DATE(S) 3-28-90

CLIENT Galson Laboratories
(Seneca Army Depot)

TIME(S) 1215

JOB NUMBER G7-020

WELL I. D. Well 0 W-10

WEATHER cloudy calm

WATER LEVEL MEASUREMENT (BEFORE PURGING)

TOP OF CASING TOP OF PROTECTIVE CASING TOP OF CURB BOX

A. DEPTH OF WATER FROM REFERENCE POINT: 10.97 FEET

B. HEIGHT OF REFERENCE POINT ABOVE GROUND SURFACE: _____ FEET

D. WELL ELEVATION _____

C. DEPTH OF WATER FROM GROUND SURFACE: 2.91 FEET

E. WATER ELEVATION _____

PURGING

BAILER TYPE: none dedicated

PUMP TYPE: _____

INSIDE WELL DIAMETER: 2.0 INCHES

WELL VOLUME: $(\frac{10.97}{\text{TOTAL DEPTH OF WELL FROM REFERENCE POINT}}) \text{ FEET} - (\frac{2.91}{\text{DEPTH OF WATER FROM REFERENCE POINT}}) \text{ FEET} \times (\frac{0.16}{\text{CONVERSION FACTOR}}) \text{ FEET} = 1.3 \text{ GALLONS}$

* CONVERSION FACTORS: 2 INCH WELL = .16 OR 4 INCH WELL = .65

AMOUNT PURGED: supposed to be 3.8 gallons was 3.8 gal

SAMPLING

BAILER TYPE: dedicated

PUMP TYPE: _____

COMPONENTS MATERIALS: _____

LIST OF CONTAINERS FILLED IN THE FIELD: (3) 1 l bottles

(3) 250 ml "

All (6) labeled W-10

SAMPLE DESCRIPTION: clear

COMMENTS: outcrop bailed volume was clear

SAMPLED BY: Paul F. Götter



GROUNDWATER SAMPLING LOG

PROJECT Seneca Army Depot

LOCATION _____

Romulus, NY.

CLIENT Galson Laboratories
(Seneca Army Depot)

DATE(S) 3-28-90

JOB NUMBER GZ-020

TIME(S) 1300

WEATHER clear + cool

WELL I. D. Well #

WATER LEVEL MEASUREMENT (BEFORE PURGING)

TOP OF CASING * TOP OF PROTECTIVE CASING * TOP OF CURB BOX *
A. DEPTH OF WATER FROM REFERENCE POINT: 11.07 FEET
B. HEIGHT OF REFERENCE POINT ABOVE GROUND SURFACE: _____ FEET D. WELL ELEVATION _____
C. DEPTH OF WATER FROM GROUND SURFACE: 2.92 FEET E. WATER ELEVATION _____

PURGING

BAILER TYPE: None. A.S. concrete - clouds of sl water PUMP TYPE: _____
INSIDE WELL DIAMETER: 2.0 INCHES
WELL VOLUME: $(11.07) \text{ FEET} - (2.92) \text{ FEET} \times (0.16) \text{ FEET} = 1.0$ GALLONS
TOTAL DEPTH OF WELL FROM REFERENCE POINT DEPTH OF WATER FROM REFERENCE POINT CONVERSION FACTOR
* CONVERSION FACTORS: 2 INCH WELL = .18 OR 4 INCH WELL = .65
AMOUNT PURGED: should be 2.8 gal, was 2.8 gallons

SAMPLING

BAILER TYPE: dedicated PUMP TYPE: _____

COMPONENTS MATERIALS: _____

LIST OF CONTAINERS FILLED IN THE FIELD: (3) 12 bottles
(3) 250ml "
All (6) labeled w-8

SAMPLE DESCRIPTION: clear

COMMENTS: All clear, no suspended sediment



GROUNDWATER SAMPLING LOG

PROJECT Seneca Army Depot

LOCATION _____

Romulus, NY.

DATE(S) 3-28-90

CLIENT Galson Laboratories
(Seneca Army Depot)

TIME(S) 1315

JOB NUMBER G7-020

WELL I. D. Well 9 W 9

WEATHER Cold + cloudy

WATER LEVEL MEASUREMENT (BEFORE PURGING)

TOP OF CASING TOP OF PROTECTIVE CASING TOP OF CURB BOX

A. DEPTH OF WATER FROM REFERENCE POINT: 8.20 FEET

B. HEIGHT OF REFERENCE POINT ABOVE GROUND SURFACE: _____ FEET

D. WELL ELEVATION _____

C. DEPTH OF WATER FROM GROUND SURFACE: 1.79 FEET

E. WATER ELEVATION _____

PURGING

BAILER TYPE: None

PUMP TYPE: _____

INSIDE WELL DIAMETER: 2.0 INCHES

WELL VOLUME: (2.0) FEET \times (0.09) FEET \times (0.785) FEET = 1.1 GALLONS

* CONVERSION FACTORS: 2 INCH WELL = .16 OR 4 INCH WELL = .65

AMOUNT PURGED: should be 3.3 gallons, was 3.3 gallons

SAMPLING

BAILER TYPE: dedicated PUMP TYPE: _____

COMPONENTS MATERIALS: _____

LIST OF CONTAINERS FILLED IN THE FIELD: (3) 1 L bottles

(3) 250ml "

All (6) labeled W-9

SAMPLE DESCRIPTION: clear

COMMENTS: Purged volume contained no suspended sediment

SAMPLED BY: Paul F. Gattler

PAGE 10 OF 17



GROUNDWATER SAMPLING LOG

PROJECT Seneca Army Depot

LOCATION _____

Romulus, NY

CLIENT Galson Laboratories
(Seneca Army Depot)

DATE(S) 3-28-90

3-29-90

JOB NUMBER G7-020

TIME(S) 13.45

WEATHER cold, cloudy

WELL I. D. W-11 W-11

WATER LEVEL MEASUREMENT (BEFORE PURGING)

TOP OF CASING TOP OF PROTECTIVE CASING TOP OF CURB BOX

A. DEPTH OF WATER FROM REFERENCE POINT: 10.94 FEET
B. HEIGHT OF REFERENCE POINT ABOVE GROUND SURFACE: _____ FEET
C. DEPTH OF WATER FROM GROUND SURFACE: 2.77 FEET
D. WELL ELEVATION _____
E. WATER ELEVATION _____

PURGING

BAILER TYPE: VOSS dedicated PUMP TYPE: _____
INSIDE WELL DIAMETER: 2.0 INCHES

WELL VOLUME: $(\frac{10.94}{\text{TOTAL DEPTH OF WELL FROM REFERENCE POINT}}) \text{ FEET} - (\frac{2.77}{\text{DEPTH OF WATER FROM REFERENCE POINT}}) \text{ FEET} \times (\frac{0.16}{\text{CONVERSION FACTOR}}) \text{ FEET} = 1.3 \text{ GALLONS}$

* CONVERSION FACTORS: 2 INCH WELL = .16 OR 4 INCH WELL = .65

AMOUNT PURGED: should purge 3.9 gallons, 3.9 gallons done

SAMPLING

BAILER TYPE: dedicated PUMP TYPE: _____

COMPONENTS MATERIALS: _____

LIST OF CONTAINERS FILLED IN THE FIELD: (3) 1 liter bottles
(3) 250 ml "
All (6) labeled w-11

SAMPLE DESCRIPTION: clear

COMMENTS: Entire volume bailed was clear
Ice at top of well

SAMPLED BY: Paul F. Gottler



GROUNDWATER SAMPLING LOG

PROJECT Seneca Army Depot

LOCATION _____

Romulus, NY.

DATE(S) 3-28-90

CLIENT Galson Laboratories
(Seneca Army Depot)

TIME(S) 1900

JOB NUMBER GZ-020
WEATHER Clear + Cool

WELL I. D. Well 13 W 13

WATER LEVEL MEASUREMENT (BEFORE PURGING)

TOP OF CASING TOP OF PROTECTIVE CASING TOP OF CURB BOX

A. DEPTH OF WATER FROM REFERENCE POINT: 9.92 FEET

B. HEIGHT OF REFERENCE POINT ABOVE GROUND SURFACE: _____ FEET

C. DEPTH OF WATER FROM GROUND SURFACE: 2.43 FEET

D. WELL ELEVATION _____

E. WATER ELEVATION _____

PURGING

BAILER TYPE: nose - now dedicated PUMP TYPE: _____

INSIDE WELL DIAMETER: 2.0 INCHES

WELL VOLUME: $(\frac{9.92}{\text{TOTAL DEPTH OF WELL FROM REFERENCE POINT}}) \text{ FEET} - (\frac{2.43}{\text{DEPTH OF WATER FROM REFERENCE POINT}}) \text{ FEET} \times (\frac{0.16}{\text{CONVERSION FACTOR}}) \text{ FEET} = \underline{1.2} \text{ GALLONS}$

* CONVERSION FACTORS 2 INCH WELL = .16 OR 4 INCH WELL = .65

AMOUNT PURGED: was 3.6 gallons, all clear

SAMPLING

BAILER TYPE: dedicated PUMP TYPE: -

COMPONENTS MATERIALS: -

LIST OF CONTAINERS FILLED IN THE FIELD: (3) 1 liter bottles
(3) 250 ml "
All (6) labeled W-13

SAMPLE DESCRIPTION: clear

COMMENTS: Entire bailed volume was clear
Ice at top of well

SAMPLED BY: _____



GROUNDWATER SAMPLING LOG

PROJECT Seneca Army Depot

LOCATION _____

Romulus, NY.

DATE(S) 3-28-90

CLIENT Galson Laboratories
(Seneca Army Depot)

JOB NUMBER GZ-020

TIME(S) 1415

WEATHER Clear + Cool

WELL I.D. well 14 w14

WATER LEVEL MEASUREMENT (BEFORE PURGING)

TOP OF CASING TOP OF PROTECTIVE CASING TOP OF CURB BOX

A. DEPTH OF WATER FROM REFERENCE POINT: 10.40 FEET

B. HEIGHT OF REFERENCE POINT ABOVE GROUND SURFACE: _____ FEET

C. DEPTH OF WATER FROM GROUND SURFACE: 2.37 FEET

D. WELL ELEVATION _____

E. WATER ELEVATION _____

PURGING

BAILER TYPE: dedicated Voss PUMP TYPE: _____

INSIDE WELL DIAMETER: 2.0 INCHES

WELL VOLUME: $(\frac{10.40}{\text{TOTAL DEPTH OF WELL FROM REFERENCE POINT}}) \text{ FEET} - (\frac{2.37}{\text{DEPTH OF WATER FROM REFERENCE POINT}}) \text{ FEET} \times (\frac{0.16}{\text{CONVERSION FACTOR}}) \text{ FEET} = \underline{1.3}$ GALLONS

* CONVERSION FACTORS: 2 INCH WELL = .16 OR 4 INCH WELL = .65

AMOUNT PURGED: Bailed 3.8 gallons all clear

SAMPLING

BAILER TYPE: dedicated PUMP TYPE: _____

COMPONENTS MATERIALS: _____

LIST OF CONTAINERS FILLED IN THE FIELD: (3) 1 liter bottles
3 250 ml "
All (6) labeled w-14

SAMPLE DESCRIPTION: clear

COMMENTS: clear for entire bailed volume
Ice at top of well

SAMPLED BY: Paul E. Götter

PAGE 13 OF 17



GROUNDWATER SAMPLING LOG

PROJECT Seneca Army Depot

LOCATION _____

Romulus, NY.

CLIENT Galson Laboratories
(Seneca Army Depot)

DATE(S) 3-28-90

JOB NUMBER GZ-020

TIME(S) 1430

WEATHER clear + cool

WELL I. D. well 12 W12

WATER LEVEL MEASUREMENT (BEFORE PURGING)

X TOP OF CASING _____ TOP OF PROTECTIVE CASING _____ TOP OF CURB BOX

A. DEPTH OF WATER FROM REFERENCE POINT: 8.94 FEET

B. HEIGHT OF REFERENCE POINT ABOVE GROUND SURFACE: _____ FEET

D. WELL ELEVATION _____

C. DEPTH OF WATER FROM GROUND SURFACE: 1.97 FEET

E. WATER ELEVATION _____

PURGING

BAILER TYPE: voss - dedicated

PUMP TYPE: _____

INSIDE WELL DIAMETER: 2.0 INCHES

WELL VOLUME: $(\frac{8.94}{\text{TOTAL DEPTH OF WELL FROM REFERENCE POINT}}) \text{ FEET} - (\frac{1.97}{\text{DEPTH OF WATER FROM REFERENCE POINT}}) \text{ FEET} \times (\frac{0.16}{\text{CONVERSION FACTOR}}) \text{ FEET} = 1.1 \text{ GALLONS}$

* CONVERSION FACTORS: 2 INCH WELL = .16 OR 4 INCH WELL = .65

AMOUNT PURGED: 3.3 gallons, all clear

SAMPLING

BAILER TYPE: dedicated PUMP TYPE: _____

COMPONENTS MATERIALS: _____

LIST OF CONTAINERS FILLED IN THE FIELD: 3 1 Liter bottles

3 250 ml "

All (6) labeled W-12

SAMPLE DESCRIPTION: clear

COMMENTS: Thick ice, had to wait till noon

to bail,

bailed volume all clear

SAMPLED BY: Paul F. Götter

PAGE 14 OF 17



GROUNDWATER SAMPLING LOG

PROJECT Seneca Army Depot

LOCATION _____

Romulus, NY.

CLIENT Galson Laboratories
(Seneca Army Depot)

DATE(S) 3-29-90

JOB NUMBER G7-020

TIME(S) 10:00 AM

WEATHER clear + cool

WELL I. D. Well 17 W17

WATER LEVEL MEASUREMENT (BEFORE PURGING)

TOP OF CASING TOP OF PROTECTIVE CASING TOP OF CURB BOX

A. DEPTH OF WATER FROM REFERENCE POINT: 10.33 FEET
B. HEIGHT OF REFERENCE POINT ABOVE GROUND SURFACE: _____ FEET D. WELL ELEVATION _____
C. DEPTH OF WATER FROM GROUND SURFACE: 1.41 FEET E. WATER ELEVATION _____

PURGING

BAILER TYPE: Voss - dedicated PUMP TYPE: _____
INSIDE WELL DIAMETER: 2.0 INCHES

WELL VOLUME: $(\frac{10.33}{\text{TOTAL DEPTH OF WELL FROM REFERENCE POINT}}) \text{ FEET} - (\frac{1.41}{\text{DEPTH OF WATER FROM REFERENCE POINT}}) \text{ FEET} \times (\frac{0.16}{\text{CONVERSION FACTOR}}) \text{ FEET} = \underline{1.0} \text{ GALLONS}$

* CONVERSION FACTORS: 2 INCH WELL = .16 OR 4 INCH WELL = .65
AMOUNT PURGED: 3.1 gallons

SAMPLING

BAILER TYPE: Voss dedicated PUMP TYPE: _____

COMPONENTS MATERIALS: _____

LIST OF CONTAINERS FILLED IN THE FIELD: (3) 1 liters - explosivity
(1) - 1 Liter Phenols, (1) 250ml TOC
(1) - 250ml metals (1) 250ml sp Cond.

SAMPLE DESCRIPTION: slightly cloudy

(high recharge of well)

COMMENTS: Ice too thick to break, lost bailer
in well retrieved + 3-29-90.
sampled + bailed 3-29-90 at 10:AM
Bailed sample a little cloudy

SAMPLED BY: Paul F. Gottler



GROUNDWATER SAMPLING LOG

PROJECT Seneca Army Depot

LOCATION _____

Romulus, NY.

CLIENT Galson Laboratories
(Seneca Army Depot)

DATE(S) 3-28-90

JOB NUMBER GZ-020
WEATHER clear + cool

TIME(S) 1445
WELL I. D. well 15 W 15

WATER LEVEL MEASUREMENT (BEFORE PURGING)

X TOP OF CASING _____ TOP OF PROTECTIVE CASING _____ TOP OF CURB BOX

A. DEPTH OF WATER FROM REFERENCE POINT: 8.57 FEET

B. HEIGHT OF REFERENCE POINT ABOVE GROUND SURFACE: _____ FEET

D. WELL ELEVATION _____

C. DEPTH OF WATER FROM GROUND SURFACE: 1.95 FEET

E. WATER ELEVATION _____

PURGING

BAILER TYPE: voss dedicated

PUMP TYPE: _____

INSIDE WELL DIAMETER: 2.0 INCHES

WELL VOLUME: $(\frac{8.57}{\text{TOTAL DEPTH OF WELL FROM REFERENCE POINT}}) \text{ FEET} - (\frac{1.95}{\text{DEPTH OF WATER FROM REFERENCE POINT}}) \text{ FEET} \times (\frac{0.16}{\text{CONVERSION FACTOR}}) \text{ FEET} = 1.4 \text{ GALLONS}$

* CONVERSION FACTORS: 2 INCH WELL = .16 OR 4 INCH WELL = .65

AMOUNT PURGED: 4.3 gallons, all clear

SAMPLING

BAILER TYPE: dedicated PUMP TYPE: _____

COMPONENTS MATERIALS: _____

LIST OF CONTAINERS FILLED IN THE FIELD: (3) - 1 Liters

(3) - 250 ml

All (6) Labeled - W-15

SAMPLE DESCRIPTION: clear

COMMENTS: Thick ice at well prevented early bailing
bailed at 12:30, sampled at 1500
Bailed volume all clear

SAMPLED BY: Paul F. Gattler



GROUNDWATER SAMPLING LOG

PROJECT Seneca Army Depot

LOCATION _____

Romulus, NY.

DATE(S) 3-28-90

CLIENT Galson Laboratories
(Seneca Army Depot)

TIME(S) 1500

JOB NUMBER GZ-020
WEATHER clear + cool

WELL I.D. well 16 w 16

WATER LEVEL MEASUREMENT (BEFORE PURGING)

TOP OF CASING TOP OF PROTECTIVE CASING TOP OF CURB BOX

A. DEPTH OF WATER FROM REFERENCE POINT: 8.51 FEET
B. HEIGHT OF REFERENCE POINT ABOVE GROUND SURFACE: _____ FEET
C. DEPTH OF WATER FROM GROUND SURFACE: 2.00 FEET
D. WELL ELEVATION _____
E. WATER ELEVATION _____

PURGING

BAILER TYPE: vac - dedicated PUMP TYPE: _____
INSIDE WELL DIAMETER: 2.0 INCHES
WELL VOLUME: $(\overset{\text{TOTAL DEPTH OF WELL FROM REFERENCE POINT}}{8.51}) \text{ FEET} - (\overset{\text{DEPTH OF WATER FROM REFERENCE POINT}}{2.00}) \text{ FEET} \times (\overset{\text{CONVERSION FACTOR}}{0.16}) \text{ FEET} = \underline{1.0} \text{ GALLONS}$

* CONVERSION FACTORS: 2 INCH WELL = .16 OR 4 INCH WELL = .65

AMOUNT PURGED: 3.1 gallons, all clear

SAMPLING

BAILER TYPE: dedicated PUMP TYPE: _____

COMPONENTS MATERIALS: _____

LIST OF CONTAINERS FILLED IN THE FIELD: (3) - 1 liter
(3) - 250 ml
All (6) labeled w-16

SAMPLE DESCRIPTION: clear

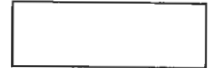
COMMENTS: Bailed volume clear
ice thin at top of well

SAMPLED BY: Paul F. Gottler



6601 Kirkville Road
 E. Syracuse, N.Y. 13057
 Tel. (315) 432-0506

38209



Invoice No.

4/23/90

Client: SENECA ARMY DEPOT
 BUILDING 123
 ROMULUS, NY 14541 Attn:MARK PAPROCKI

Date: L9052

Job No: DAAC7189M2651

Client's No: W16G1A91517012

Terms: Net 30 Days. 1 1/2% service charge per month on unpaid balance.

Sample List And Pricing

Task:90032913 Date Received:29-MAR-1990 Location:ROMULUS, NY

Sample(s) Type:WATER

J7466	.J7467	.J7468	.J7469	.J7470
J7471	.J7472	.J7473	.J7474	.J7475
J7476	.J7477	.J7478	.J7479	.J7480
J7481	.J7482			

W-PN :PHENOLS-TOTAL	\$	35.00
W-TOC :TOTAL ORGANIC CARBON	\$	20.00
W-SPCD:SPECIFIC CONDUCTANCE	\$	10.00
W-CL :CHLORIDE	\$	20.00
W-SO4 :SULFATES	\$	20.00
MW-Fe:IRON	\$	10.00
MW-NA:SODIUM	\$	12.00
MW-MN:MANGANESE	\$	10.00
M-DIGN:SAMPLE DIGESTION FEE	\$	35.00

Sample cost :	\$	172.00
For 17 sample(s)	\$	2924.00
T-MISC: SAMPLING CHARGE	\$	1000.00

Cost of Task: \$ 3924.00

RECEIVED 4-27-90 Mark R. Paprocki



**NATIONAL
ENVIRONMENTAL
TESTING, INC.**

NET Atlantic, Inc.
Syracuse Division
5854 Butternut Drive
East Syracuse, NY 13057
Tel: (315) 446-8795
Fax: (315) 449-1611

Formerly: NET Northeast, Inc.

To: SENECA ARMY DEPOT
BUILDING 323 MAT MGT BR
ROMULUS, NY 14541

Date: Nov 19 1990

Attention: COMMANDER

SAMPLE #27402

PAGE 1 OF 2

LABORATORY ANALYSIS REPORT

SAMPLE SUMMARY

CLIENT	: SENECA ARMY DEPOT	DATE RECEIVED	: 09/26/90
JOB #	: 179.005.00	DATE COLLECTED	: 09/26/90
LOCATION	: MW-27	TIME COLLECTED	: 1425
METHOD	: GRAB		

PARAMETER	RESULTS	UNITS
CHLOROMETHANE	<1.0	ug/l
BROMOMETHANE	<1.0	ug/l
VINYL CHLORIDE	<1.0	ug/l
CHLOROETHANE	<1.0	ug/l
METHYLENE CHLORIDE	<1.0	ug/l
CHLOROBENZENE	<1.0	ug/l
1,1-DICHLOROETHYLENE	<1.0	ug/l
1,1-DICHLOROETHANE	<1.0	ug/l
TRANS-1,2-DICHLOROETHYLENE	<1.0	ug/l
ETHYLBENZENE	<1.0	ug/l
CHLOROFORM	<1.0	ug/l
1,2-DICHLOROETHANE	<1.0	ug/l
1,1,1-TRICHLOROETHANE	<1.0	ug/l
CARBON TETRACHLORIDE	<1.0	ug/l



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SAMPLE #27402

PAGE 2 OF 2

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
BROMODICHLOROMETHANE	<1.0	ug/l
1,2-DICHLOROPROPANE	<1.0	ug/l
TRANS-1,3-DICHLOROPROPENE	<1.0	ug/l
TRICHLOROETHYLENE	<1.0	ug/l
DIBROMOCHLOROMETHANE	<1.0	ug/l
CIS-1,3-DICHLOROPROPENE	<1.0	ug/l
1,1,2-TRICHLOROETHANE	<1.0	ug/l
BENZENE	<1.0	ug/l
2-CHLOROETHYL VINYL ETHER	<1.0	ug/l
BROMOFORM	<1.0	ug/l
TETRACHLOROETHYLENE	<1.0	ug/l
1,1,2,2-TETRACHLOROETHANE	<1.0	ug/l
TOLUENE	<1.0	ug/l
1,2 DICHLOROBENZENE	<1.0	ug/l
1,3 DICHLOROBENZENE	<1.0	ug/l
1,4 DICHLOROBENZENE	<1.0	ug/l
TRICHLOROFLUOROMETHANE	<1.0	ug/l

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NYSDOH - ELAP #10067

APPROVED BY: *Paul W. Baleant* DATE: NOV 19 1990



5854 Butternut Drive
East Syracuse, NY
13057

(315) 446-8795

**MONITORING WELL
SAMPLE CHARACTERIZATION AND
CHAIN OF CUSTODY SHEET**

LAB SAMPLE LOG NO. 27402 JOB NO. 179,005.00

SOURCE	
CLIENT <u>Seneca Army Depot</u>	WELL NO. <u>MW-27</u>
LOCATION <u>LF</u>	WELL TYPE/SIZE <u>2" PVC</u>

EVACUATION		DATE <u>9/26/90</u>
WELL DEPTH <u>10.5'</u>	ITEM	START
DEPTH TO WATER <u>9.05'</u>	TIME	FINISH
WELL VOLUME <u>.23</u>	PH	<u>1425</u>
METHOD <u>Manual</u>	TEMP.	<u>7</u>
NO. OF VOLUMES <u>3</u>	DEPTH	<u>16°C</u>
TOTAL VOLUME <u>.75 gal</u>	COLOR	<u>9.05'</u>
	APPEAR	<u>-</u>
		<u>DK 6Y DK 6Y</u>
		<u>High turb</u>

SAMPLING		DATE <u>9/26/90</u>	pH <u>7.45</u>
TIME <u>1425</u>	TEMP.	<u>16°C</u>	
METHOD <u>PVC Bailor</u>	COLOR	<u>DK 6Y</u>	
CONTAINER <u>2-vials</u>	TURB	<u>High</u>	
SAMPLED BY <u>R. Rodman, J. Santilippo</u>	REDOX	<u>-</u>	COND <u>560</u>

PRESERVATION		DATE <u>9/26/90</u>
FILTERED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	TIME	BY
PRESERVED YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	TIME <u>1425</u>	BY <u>R.R., J.S.</u>
PRESERVATIVE	<input checked="" type="checkbox"/> H ₂ SO ₄ <input checked="" type="checkbox"/> HNO ₃ <input type="checkbox"/> NaOH <input type="checkbox"/> H ₃ PO ₄ +C ₂ SO ₄ <input type="checkbox"/> Zn(C ₂ H ₃ O ₂) ₂ <input checked="" type="checkbox"/> HCL <input type="checkbox"/> SOD. THIO. <input checked="" type="checkbox"/> COOLED TO 4 C <input type="checkbox"/> OTHER _____	

CUSTODY	
SAMPLERS SIGNATURE <u>R. Rodman</u>	
TRANSFERED TO #1	
RECIEVED BY <u>K. Spierl</u>	DATE <u>9/26/90</u> TIME _____
#2	
RECIEVED BY _____	DATE _____ TIME _____

FIELD NOTES:	



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NET Atlantic, Inc.
Syracuse Division
5854 Butternut Drive
East Syracuse, NY 13057
Tel: (315) 446-8795
Fax: (315) 449-1611

Formerly: NET Northeast, Inc.

To: SENECA ARMY DEPOT
BUILDING 323 MAT MGT BR
ROMULUS, NY 14541

Date: Nov 19 1990

Attention: COMMANDER

SAMPLE #27403

PAGE 1 OF 2

LABORATORY ANALYSIS REPORT

SAMPLE SUMMARY

CLIENT	: SENECA ARMY DEPOT	DATE RECEIVED	: 09/26/90
JOB #	: 179.005.00	DATE COLLECTED	: 09/26/90
LOCATION	: MW-28	TIME COLLECTED	: 1430
METHOD	: GRAB		

PARAMETER	RESULTS	UNITS
CHLOROMETHANE	<1.0	ug/l
BROMOMETHANE	<1.0	ug/l
VINYL CHLORIDE	<1.0	ug/l
CHLOROETHANE	<1.0	ug/l
METHYLENE CHLORIDE	<1.0	ug/l
CHLOROBENZENE	<1.0	ug/l
1,1-DICHLOROETHYLENE	<1.0	ug/l
1,1-DICHLOROETHANE	<1.0	ug/l
TRANS-1,2-DICHLOROETHYLENE	<1.0	ug/l
ETHYLBENZENE	<1.0	ug/l
CHLOROFORM	<1.0	ug/l
1,2-DICHLOROETHANE	<1.0	ug/l
1,1,1-TRICHLOROETHANE	<1.0	ug/l
CARBON TETRACHLORIDE	<1.0	ug/l



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SAMPLE #27403

PAGE 2 OF 2

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
BROMODICHLOROMETHANE	<1.0	ug/l
1,2-DICHLOROPROPANE	<1.0	ug/l
TRANS-1,3-DICHLOROPROPENE	<1.0	ug/l
TRICHLOROETHYLENE	28.	ug/l
DIBROMOCHLOROMETHANE	<1.0	ug/l
CIS-1,3-DICHLOROPROPENE	<1.0	ug/l
1,1,2-TRICHLOROETHANE	<1.0	ug/l
BENZENE	<1.0	ug/l
2-CHLOROETHYL VINYL ETHER	<1.0	ug/l
BROMOFORM	<1.0	ug/l
TETRACHLOROETHYLENE	<1.0	ug/l
1,1,2,2-TETRACHLOROETHANE	<1.0	ug/l
TOLUENE	<1.0	ug/l
1,2 DICHLOROBENZENE	<1.0	ug/l
1,3 DICHLOROBENZENE	<1.0	ug/l
1,4 DICHLOROBENZENE	<1.0	ug/l
TRICHLOROFLUOROMETHANE	<1.0	ug/l

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NYSDOH - ELAP #10067

APPROVED BY: *Fred W. Balant* DATE: NOV 19 1990



5854 Butternut Drive
 East Syracuse, NY
 13057
 (315) 446-8795

**MONITORING WELL
 SAMPLE CHARACTERIZATION AND
 CHAIN OF CUSTODY SHEET**

LAB SAMPLE LOG NO. 27403 JOB NO. 179,005,00

SOURCE

CLIENT Seneca Army Depot WELL NO. MW-28
 LOCATION 2F WELL TYPE/SIZE 2" PVC

EVACUATION DATE 9/26/90

	ITEM	START	FINISH
WELL DEPTH <u>10.5'</u>	TIME		<u>1430</u>
DEPTH TO WATER <u>9.15'</u>	pH	<u>7</u>	<u>7.35</u>
WELL VOLUME <u>.22</u>	TEMP.	<u>16°C</u>	
METHOD <u>Manual</u>	DEPTH	<u>9.15'</u>	<u>-</u>
NO. OF VOLUMES <u>3</u>	COLOR	<u>DK 6Y</u>	<u>DK 6Y</u>
TOTAL VOLUME <u>.75 gal.</u>	APPEAR	<u>High Turb</u>	

SAMPLING DATE 9/26/90 pH 7.35

TIME 1430 TEMP. 16°C
 METHOD PVC Bailer COLOR DK 6Y
 CONTAINER 2-vials TURB High
 SAMPLED BY R. Rodman, J. Santilippo REDOX - | COND 460

PRESERVATION DATE 9/26/90

FILTERED YES NO TIME _____ BY _____
 PRESERVED YES NO TIME 1430 BY R. Rodman, J.S.
 PRESERVATIVE H₂SO₄ HNO₃ NaOH H₃PO₄+C₂SO₄ Zn(C₂H₃O₂)₂
 HCL SOD. THIO.
 COOLED TO 4 C OTHER _____

CUSTODY

SAMPLERS SIGNATURE Rodman
 TRANSFERRED TO #1 _____
 RECEIVED BY K. Speck DATE 9/26/90 TIME _____
 #2 _____
 RECEIVED BY _____ DATE _____ TIME _____

FIELD NOTES:



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5854 Butternut Drive
East Syracuse, NY 13057
Tel: (315) 446-8795
Fax: (315) 449-1611

Formerly: NET Northeast, Inc.

To: SENECA ARMY DEPOT
BUILDING 323 MAT MGT BR
ROMULUS, NY 14541

Date: Nov 19 1990

Attention: COMMANDER

SAMPLE #27404

PAGE 1 OF 2

LABORATORY ANALYSIS REPORT

SAMPLE SUMMARY

CLIENT : SENECA ARMY DEPOT DATE RECEIVED : 09/26/90
JOB # : 179.005.00 DATE COLLECTED : 09/26/90
LOCATION : MW-31 TIME COLLECTED : 1420
METHOD : GRAB

PARAMETER	RESULTS	UNITS
CHLOROMETHANE	<1.0	ug/l
BROMOMETHANE	<1.0	ug/l
VINYL CHLORIDE	<1.0	ug/l
CHLOROETHANE	<1.0	ug/l
METHYLENE CHLORIDE	<1.0	ug/l
CHLOROBENZENE	<1.0	ug/l
1,1-DICHLOROETHYLENE	<1.0	ug/l
1,1-DICHLOROETHANE	<1.0	ug/l
TRANS-1,2-DICHLOROETHYLENE	<1.0	ug/l
ETHYLBENZENE	<1.0	ug/l
CHLOROFORM	<1.0	ug/l
1,2-DICHLOROETHANE	<1.0	ug/l
1,1,1-TRICHLOROETHANE	<1.0	ug/l
CARBON TETRACHLORIDE	<1.0	ug/l



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Formerly: NET Northeast, Inc.

SAMPLE #27404

PAGE 2 OF 2

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
BROMODICHLOROMETHANE	<1.0	ug/l
1,2-DICHLOROPROPANE	<1.0	ug/l
TRANS-1,3-DICHLOROPROPENE	<1.0	ug/l
TRICHLOROETHYLENE	<1.0	ug/l
DIBROMOCHLOROMETHANE	<1.0	ug/l
CIS-1,3-DICHLOROPROPENE	<1.0	ug/l
1,1,2-TRICHLOROETHANE	<1.0	ug/l
BENZENE	<1.0	ug/l
2-CHLOROETHYL VINYL ETHER	<1.0	ug/l
BROMOFORM	<1.0	ug/l
TETRACHLOROETHYLENE	<1.0	ug/l
1,1,2,2-TETRACHLOROETHANE	<1.0	ug/l
TOLUENE	<1.0	ug/l
1,2 DICHLOROBENZENE	<1.0	ug/l
1,3 DICHLOROBENZENE	<1.0	ug/l
1,4 DICHLOROBENZENE	<1.0	ug/l
TRICHLOROFLUOROMETHANE	<1.0	ug/l

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**MONITORING WELL
 SAMPLE CHARACTERIZATION AND
 CHAIN OF CUSTODY SHEET**

LAB SAMPLE LOG NO. 27404

JOB NO. 179,005.00

SOURCE

27404

CLIENT Seneca Army Depot

WELL NO. MW-31

LOCATION LF

WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 9/26/90

WELL DEPTH 10.5'

DEPTH TO WATER 9.2'

WELL VOLUME .21

METHOD Manual

NO. OF VOLUMES 3

TOTAL VOLUME 175 gal

ITEM	START	FINISH
TIME		1420
pH	7	7.40
TEMP.	16°C	
DEPTH	9.2'	-
COLOR	DK GY	DK GY
APPEAR	High turb	

SAMPLING

DATE 9/26/90

pH 7.40

TIME 1420

TEMP. 16°C

METHOD PVC Bailer

COLOR DK GY

CONTAINER 2-vials

TURB High

SAMPLED BY R. Rodman, J. Santilippo REDOX - | COND 480

PRESERVATION

DATE 9/26/90

FILTERED YES NO TIME _____ BY _____

PRESERVED YES NO TIME 1420 BY R.R., J.S.

PRESERVATIVE H₂SO₄ HNO₃ NaOH H₃PO₄+C₂SO₄ Zn(C₂H₃O₂)₂
 HCL SOD. THIO.
 COOLED TO 4 C OTHER _____

CUSTODY

SAMPLERS SIGNATURE Rodman

TRANSFERED TO #1 _____

RECEIVED BY K. Speck DATE 9/26/90 TIME _____

#2 _____

RECEIVED BY _____ DATE _____ TIME _____

FIELD NOTES:



NATIONAL ENVIRONMENTAL TESTING, INC.

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Syracuse Division
5854 Butternut Drive
East Syracuse, NY 13057
Tel: (315) 446-8795
Fax: (315) 449-1611

Formerly: NET Northeast, Inc.

To: SENECA ARMY DEPOT
BUILDING 323 MAT MGT BR
ROMULUS, NY 14541

Date: Nov 19 1990

Attention: COMMANDER

SAMPLE #27405

PAGE 1 OF 2

LABORATORY ANALYSIS REPORT

SAMPLE SUMMARY

CLIENT	: SENECA ARMY DEPOT	DATE RECEIVED	: 09/26/90
JOB #	: 179.005.00	DATE COLLECTED	: 09/26/90
LOCATION	: MW-32	TIME COLLECTED	: 1415
METHOD	: GRAB		

PARAMETER	RESULTS	UNITS
CHLOROMETHANE	<1.0	ug/l
BROMOMETHANE	<1.0	ug/l
VINYL CHLORIDE	<1.0	ug/l
CHLOROETHANE	<1.0	ug/l
METHYLENE CHLORIDE	<1.0	ug/l
CHLOROBENZENE	<1.0	ug/l
1,1-DICHLOROETHYLENE	<1.0	ug/l
1,1-DICHLOROETHANE	<1.0	ug/l
TRANS-1,2-DICHLOROETHYLENE	<1.0	ug/l
ETHYLBENZENE	<1.0	ug/l
CHLOROFORM	<1.0	ug/l
1,2-DICHLOROETHANE	<1.0	ug/l
1,1,1-TRICHLOROETHANE	<1.0	ug/l
CARBON TETRACHLORIDE	<1.0	ug/l



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Formerly: NET Northeast, Inc.

SAMPLE #27405

PAGE 2 OF 2

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
BROMODICHLOROMETHANE	<1.0	ug/l
1,2-DICHLOROPROPANE	<1.0	ug/l
TRANS-1,3-DICHLOROPROPENE	<1.0	ug/l
TRICHLOROETHYLENE	<1.0	ug/l
DIBROMOCHLOROMETHANE	<1.0	ug/l
CIS-1,3-DICHLOROPROPENE	<1.0	ug/l
1,1,2-TRICHLOROETHANE	<1.0	ug/l
BENZENE	<1.0	ug/l
2-CHLOROETHYL VINYL ETHER	<1.0	ug/l
BROMOFORM	<1.0	ug/l
TETRACHLOROETHYLENE	<1.0	ug/l
1,1,2,2-TETRACHLOROETHANE	<1.0	ug/l
TOLUENE	<1.0	ug/l
1,2 DICHLOROBENZENE	<1.0	ug/l
1,3 DICHLOROBENZENE	<1.0	ug/l
1,4 DICHLOROBENZENE	<1.0	ug/l
TRICHLOROFLUOROMETHANE	<1.0	ug/l

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**MONITORING WELL
 SAMPLE CHARACTERIZATION AND
 CHAIN OF CUSTODY SHEET**

LAB SAMPLE LOG NO. 21405 JOB NO. 179,005,00

SOURCE

CLIENT Seneca Army Depot WELL NO. MW-32
 LOCATION LF WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 9/26/90

WELL DEPTH 10.5'
 DEPTH TO WATER 9.1'
 WELL VOLUME .22
 METHOD Manual
 NO. OF VOLUMES 3
 TOTAL VOLUME .75 gal

ITEM	START	FINISH
TIME		1415
pH	7	7.35
TEMP.	15°C	
DEPTH	9.1'	-
COLOR	LT 6Y	LT 6Y
APPEAR	High Turb	

SAMPLING

DATE 9/26/90 pH 7.35

TIME 1415 TEMP. 15°C
 METHOD PVC Bailer COLOR LT 6Y
 CONTAINER 2-vials TURB High Turb
 SAMPLED BY R. Rodman, J. Santilippo REDOX - | COND 560

PRESERVATION

DATE 9/26/90

FILTERED YES NO TIME BY
 PRESERVED YES NO TIME 1415 BY R.R., J.S.
 PRESERVATIVE H₂SO₄ HNO₃ NaOH H₃PO₄+C₂SO₄ Zn(C₂H₃O₂)₂
 HCL SOD. THIO.
 COOLED TO 4 C OTHER

CUSTODY

SAMPLERS SIGNATURE Rodman
 TRANSFERED TO #1 R. Speck
 RECEIVED BY R. Speck DATE 9/26/90 TIME
 #2
 RECEIVED BY DATE TIME

FIELD NOTES:



NATIONAL ENVIRONMENTAL TESTING, INC.

NET Atlantic, Inc.
Syracuse Division
5854 Butternut Drive
East Syracuse, NY 13057
Tel: (315) 446-8795
Fax: (315) 449-1611

Formerly: NET Northeast, Inc.

To: SENECA ARMY DEPOT
BUILDING 323 MAT MGT BR
ROMULUS, NY 14541

Date: Nov 19 1990

Attention: COMMANDER

SAMPLE #27450
LABORATORY ANALYSIS REPORT

SAMPLE SUMMARY

CLIENT : SENECA ARMY DEPOT DATE RECEIVED : 09/27/90
JOB # : 179.005.00 DATE COLLECTED : 09/27/90
LOCATION : MW-29 TIME COLLECTED : NA
METHOD : GRAB

PARAMETER RESULTS UNITS
NO SAMPLE * Not Available

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East Syracuse, NY
13057

(315) 446-8795

MONITORING WELL SAMPLE CHARACTERIZATION AND CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. 27450 JOB NO. 179.005.00

SOURCE

CLIENT Seneca Army Depot

WELL NO. MW-29

LOCATION LF

WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 9/27/90

WELL DEPTH 10.5'

DEPTH TO WATER Dry

WELL VOLUME _____

METHOD N/A

NO. OF VOLUMES _____

TOTAL VOLUME _____

ITEM	START	FINISH
TIME		
pH		
TEMP.	<u>N/A</u>	
DEPTH		
COLOR		
APPEAR		

SAMPLING

DATE * pH _____

TIME _____ TEMP. _____

METHOD N/A COLOR _____

CONTAINER _____ TURB _____

SAMPLED BY _____ REDOX _____ | COND _____

PRESERVATION

DATE _____

FILTERED YES _____ NO _____ TIME _____ BY N/A

PRESERVED YES _____ NO _____ TIME _____ BY _____

PRESERVATIVE H₂SO₄ HNO₃ NaOH H₃PO₄+C₂SO₄ Zn(C₂H₃O₂)₂

HCL SOD. THIO.

COOLED TO 4 C OTHER _____

CUSTODY

SAMPLERS SIGNATURE [Signature]

TRANSFERED TO #1 _____
RECEIVED BY K. Speck DATE 9/27/90 TIME _____

#2 _____
RECEIVED BY _____ DATE _____ TIME _____

FIELD NOTES:

* Unable to collect sample, well was dry



NATIONAL ENVIRONMENTAL TESTING, INC.

NET Atlantic, Inc.
Syracuse Division
5854 Butternut Drive
East Syracuse, NY 13057
Tel: (315) 446-8795
Fax: (315) 449-1611

Formerly: NET Northeast, Inc.

To: SENECA ARMY DEPOT
BUILDING 323 MAT MGT BR
ROMULUS, NY 14541

Date: Nov 19 1990

Attention: COMMANDER

SAMPLE #27451

PAGE 1 OF 2

LABORATORY ANALYSIS REPORT

SAMPLE SUMMARY

CLIENT	: SENECA ARMY DEPOT	DATE RECEIVED	: 09/27/90
JOB #	: 179.005.00	DATE COLLECTED	: 09/27/90
LOCATION	: MW-30	TIME COLLECTED	: 1210
METHOD	: GRAB		

PARAMETER	RESULTS	UNITS
CHLOROMETHANE	<1.0	ug/l
BROMOMETHANE	<1.0	ug/l
VINYL CHLORIDE	<1.0	ug/l
CHLOROETHANE	<1.0	ug/l
METHYLENE CHLORIDE	<1.0	ug/l
CHLOROBENZENE	<1.0	ug/l
1,1-DICHLOROETHYLENE	<1.0	ug/l
1,1-DICHLOROETHANE	<1.0	ug/l
TRANS-1,2-DICHLOROETHYLENE	<1.0	ug/l
ETHYLBENZENE	<1.0	ug/l
CHLOROFORM	<1.0	ug/l
1,2-DICHLOROETHANE	<1.0	ug/l
1,1,1-TRICHLOROETHANE	<1.0	ug/l
CARBON TETRACHLORIDE	<1.0	ug/l



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SAMPLE #27451

PAGE 2 OF 2

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
BROMODICHLOROMETHANE	<1.0	ug/l
1,2-DICHLOROPROPANE	<1.0	ug/l
TRANS-1,3-DICHLOROPROPENE	<1.0	ug/l
TRICHLOROETHYLENE	1.0	ug/l
DIBROMOCHLOROMETHANE	<1.0	ug/l
CIS-1,3-DICHLOROPROPENE	<1.0	ug/l
1,1,2-TRICHLOROETHANE	<1.0	ug/l
BENZENE	<1.0	ug/l
2-CHLOROETHYL VINYL ETHER	<1.0	ug/l
BROMOFORM	<1.0	ug/l
TETRACHLOROETHYLENE	<1.0	ug/l
1,1,2,2-TETRACHLOROETHANE	<1.0	ug/l
TOLUENE	<1.0	ug/l
1,2 DICHLOROBENZENE	<1.0	ug/l
1,3 DICHLOROBENZENE	<1.0	ug/l
1,4 DICHLOROBENZENE	<1.0	ug/l
TRICHLOROFLUOROMETHANE	<1.0	ug/l

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NYSDOH - ELAP #10067

APPROVED BY: Frank W. Balent DATE: NOV 19 1990



5854 Butternut Drive
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 13057
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**MONITORING WELL
 SAMPLE CHARACTERIZATION AND
 CHAIN OF CUSTODY SHEET**

LAB SAMPLE LOG NO. 27451 JOB NO. 179.005.00

SOURCE

CLIENT Seneca Army Depot WELL NO. MW-30
 LOCATION LF WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 9/26/90

WELL DEPTH 1015'
 DEPTH TO WATER 915'
 WELL VOLUME .16
 METHOD Manual
 NO. OF VOLUMES 3
 TOTAL VOLUME .50 gal

ITEM	START	FINISH
TIME		1210
pH	7	7.30
TEMP.	15°C	-
DEPTH	9.5'	-
COLOR	LT GY	LT GY
APPEAR	High Turb	

SAMPLING

DATE 9/27/90 pH 7.30

TIME 1210 TEMP. 15°C
 METHOD PVC Bailer COLOR LT GY
 CONTAINER 2-vials TURB High
 SAMPLED BY R. Rodman, J. Santilippo REDOX - | COND 660

PRESERVATION

DATE 9/27/90

FILTERED YES NO TIME BY
 PRESERVED YES NO TIME 1210 BY R.R. J.S.
 PRESERVATIVE H₂SO₄ HNO₃ NaOH H₃PO₄+C₂SO₄ Zn(C₂H₃O₂)₂
 HCL SOD. THIO.
 COOLED TO 4 C OTHER

CUSTODY

SAMPLERS SIGNATURE R. Rodman
 TRANSFERED TO #1
 RECIEVED BY X. Speer DATE 9/27/90 TIME
 #2
 RECIEVED BY DATE TIME

FIELD NOTES:



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Fax: (315) 449-1611

Formerly: NET Northeast, Inc.

To: SENECA ARMY DEPOT
BUILDING 323 MAT MGT BR
ROMULUS, NY 14541

Date: Nov 19 1990

Attention: COMMANDER

SAMPLE #27452

PAGE 1 OF 2

LABORATORY ANALYSIS REPORT

SAMPLE SUMMARY

CLIENT	: SENECA ARMY DEPOT	DATE RECEIVED	: 09/27/90
JOB #	: 179.005.00	DATE COLLECTED	: 09/27/90
LOCATION	: MW-33	TIME COLLECTED	: 1135
METHOD	: GRAB		

PARAMETER	RESULTS	UNITS
CHLOROMETHANE	<1.0	ug/l
BROMOMETHANE	<1.0	ug/l
VINYL CHLORIDE	<1.0	ug/l
CHLOROETHANE	<1.0	ug/l
METHYLENE CHLORIDE	<1.0	ug/l
CHLOROBENZENE	<1.0	ug/l
1,1-DICHLOROETHYLENE	<1.0	ug/l
1,1-DICHLOROETHANE	<1.0	ug/l
TRANS-1,2-DICHLOROETHYLENE	<1.0	ug/l
ETHYLBENZENE	<1.0	ug/l
CHLOROFORM	<1.0	ug/l
1,2-DICHLOROETHANE	<1.0	ug/l
1,1,1-TRICHLOROETHANE	<1.0	ug/l
CARBON TETRACHLORIDE	<1.0	ug/l



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SAMPLE #27452

PAGE 2 OF 2

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
BROMODICHLOROMETHANE	<1.0	ug/l
1,2-DICHLOROPROPANE	<1.0	ug/l
TRANS-1,3-DICHLOROPROPENE	<1.0	ug/l
TRICHLOROETHYLENE	<1.0	ug/l
DIBROMOCHLOROMETHANE	<1.0	ug/l
CIS-1,3-DICHLOROPROPENE	<1.0	ug/l
1,1,2-TRICHLOROETHANE	<1.0	ug/l
BENZENE	<1.0	ug/l
2-CHLOROETHYL VINYL ETHER	<1.0	ug/l
BROMOFORM	<1.0	ug/l
TETRACHLOROETHYLENE	<1.0	ug/l
1,1,2,2-TETRACHLOROETHANE	<1.0	ug/l
TOLUENE	<1.0	ug/l
1,2 DICHLOROBENZENE	<1.0	ug/l
1,3 DICHLOROBENZENE	<1.0	ug/l
1,4 DICHLOROBENZENE	1.0	ug/l
TRICHLOROFLUOROMETHANE	<1.0	ug/l

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NYSDOH - ELAP #10067

APPROVED BY: *Fred W. Boland* DATE: NOV 19 1990



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**MONITORING WELL
 SAMPLE CHARACTERIZATION AND
 CHAIN OF CUSTODY SHEET**

LAB SAMPLE LOG NO. 37457 JOB NO. 179,005,00

SOURCE

CLIENT Seneca Army Depot WELL NO. MW-33
 LOCATION LF WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 9/26/90

WELL DEPTH 10.5'
 DEPTH TO WATER 9.5'
 WELL VOLUME .16
 METHOD Manual
 NO. OF VOLUMES 3
 TOTAL VOLUME 150 gal

ITEM	START	FINISH
TIME		1135
pH	7	7.25
TEMP.	14°C	—
DEPTH	9.5'	—
COLOR	DK GY	DK GY
APPEAR	High Turb	

SAMPLING

DATE 9/27/90 pH 7.25

TIME 1135 TEMP. 14°C
 METHOD PVC Bailer COLOR DK GY
 CONTAINER 2-Vials TURB High
 SAMPLED BY R. Radman, J. Santilippo REDOX — | COND 580

PRESERVATION

DATE 9/27/90

FILTERED YES NO TIME BY
 PRESERVED YES NO TIME 1135 BY R.R., J.S.
 PRESERVATIVE H₂SO₄ HNO₃ NaOH H₃PO₄+C₂SO₄ Zn(C₂H₃O₂)₂
 HCL SOD. THIO.
 COOLED TO 4 C OTHER

CUSTODY

SAMPLERS SIGNATURE R. Radman
 TRANSFERED TO #1
 RECEIVED BY L. SPOON DATE 9/27/90 TIME
 #2
 RECEIVED BY DATE TIME

FIELD NOTES:



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Formerly: NET Northeast, Inc.

To: SENECA ARMY DEPOT
BUILDING 323 MAT MGT BR
ROMULUS, NY 14541

Date: Nov 19 1990

Attention: COMMANDER

SAMPLE #27453

PAGE 1 OF 2

LABORATORY ANALYSIS REPORT

SAMPLE SUMMARY

CLIENT	: SENECA ARMY DEPOT	DATE RECEIVED	: 09/27/90
JOB #	: 179.005.00	DATE COLLECTED	: 09/27/90
LOCATION	: BLANK	TIME COLLECTED	: 0800
METHOD	: GRAB		

PARAMETER	RESULTS	UNITS
CHLOROMETHANE	<1.0	ug/l
BROMOMETHANE	<1.0	ug/l
VINYL CHLORIDE	<1.0	ug/l
CHLOROETHANE	<1.0	ug/l
METHYLENE CHLORIDE	<1.0	ug/l
CHLOROBENZENE	<1.0	ug/l
1,1-DICHLOROETHYLENE	<1.0	ug/l
1,1-DICHLOROETHANE	<1.0	ug/l
TRANS-1,2-DICHLOROETHYLENE	<1.0	ug/l
ETHYLBENZENE	<1.0	ug/l
CHLOROFORM	<1.0	ug/l
1,2-DICHLOROETHANE	<1.0	ug/l
1,1,1-TRICHLOROETHANE	<1.0	ug/l
CARBON TETRACHLORIDE	<1.0	ug/l



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SAMPLE #27453

PAGE 2 OF 2

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
BROMODICHLOROMETHANE	<1.0	ug/l
1,2-DICHLOROPROPANE	<1.0	ug/l
TRANS-1,3-DICHLOROPROPENE	<1.0	ug/l
TRICHLOROETHYLENE	1.0	ug/l
DIBROMOCHLOROMETHANE	<1.0	ug/l
CIS-1,3-DICHLOROPROPENE	<1.0	ug/l
1,1,2-TRICHLOROETHANE	<1.0	ug/l
BENZENE	<1.0	ug/l
2-CHLOROETHYL VINYL ETHER	<1.0	ug/l
BROMOFORM	<1.0	ug/l
TETRACHLOROETHYLENE	<1.0	ug/l
1,1,2,2-TETRACHLOROETHANE	<1.0	ug/l
TOLUENE	<1.0	ug/l
1,2 DICHLOROBENZENE	<1.0	ug/l
1,3 DICHLOROBENZENE	<1.0	ug/l
1,4 DICHLOROBENZENE	<1.0	ug/l
TRICHLOROFLUOROMETHANE	<1.0	ug/l

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NYSDOH - ELAP #10067

APPROVED BY: *Paul W. Buhart* DATE: NOV 19 1990



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Formerly NET Northeast, Inc

SAMPLE CHARACTERIZATION/CHAIN OF CUSTODY INFORMATION

CLIENT Seneca Army Depot CLIENT # 179,005,00
 CLIENT CONTACT M. Paprocki PHONE () _____
 P.O. # _____ LOG # 2-7453

SAMPLING:

SAMPLE ID: BLANK LOCATION: Seneca Army Depot LF
 SAMPLE TYPE: _____ SOIL _____ WATER _____ OIL _____ SEDIMENT _____ WIPE
 OTHER _____

COLLECTION METHOD: _____ 24HR COMPOSITE _____ MANUAL GRAB _____ WIPE
 _____ FLOW COMPOSITE _____ OTHER _____

COMPOSITE:

SET: DATE _____ TIME _____ BY _____
 PICKED UP: DATE _____ TIME _____ BY _____
 MANUAL GRAB: DATE 9/27/90 TIME 0800 BY R. Rodman
 FLOW: _____ UNITS: _____ GPM _____ GPD _____ MGD

PRESERVATION:

DATE 9/27/90 TIME 0800 BY R.R.
 PRESERVATIVE: _____ H₂SO₄ _____ HNO₃ _____ NaOH _____ HCl _____ Na₂S₂O₃
 COOLED TO 4 DEGREES CELSIUS _____ TEFLON LINER
 OTHER _____

CONTAINERS:

2 - Vials

NOTES:

CUSTODY:

COLLECTED BY: Ron J. Rodman DATE: 9/27/90
 DELIVERED BY: Ron J. Rodman DATE: 9/27/90 TIME: 1630
 RECEIVED BY: K. Speck DATE: 9/27/90 TIME: _____
 LOGGED IN BY: _____ DATE: _____ TIME: _____



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Syracuse Division
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East Syracuse, NY 13057
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To: SENECA ARMY DEPOT
BUILDING 323 MAT MGT BR
ROMULUS, NY 14541

Date: Nov 27 1990 Formerly NET-Northeast, Inc.

Attention: COMMANDER

SAMPLE #27406

PAGE 1 OF 3

LABORATORY ANALYSIS REPORT

SAMPLE SUMMARY

CLIENT : SENECA ARMY DEPOT DATE RECEIVED : 09/26/90
 JOB # : 179.005.00 DATE COLLECTED : 09/26/90
 LOCATION : PT-10 TIME COLLECTED : 1325
 METHOD : GRAB

PARAMETER	RESULTS	UNITS
CHLORIDE	65.6	mg/l
CONDUCTANCE (field)	610.	umhos/cm
NITRATE (as N)	<0.04	mg/l
pH	7.5	Standard Units
SULFATE	36.	mg/l
TOC	<3.0	mg/l
ARSENIC	<0.020	mg/l
BARIUM	<0.50	mg/l
CADMIUM	<0.01	mg/l
CHROMIUM-T	<0.03	mg/l
IRON	0.64	mg/l
LEAD	<0.020	mg/l
MERCURY	<0.001	mg/l
POTASSIUM	2.2	mg/l



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SAMPLE #27406

PAGE 2 OF 3

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
SELENIUM	<0.005	mg/l
SILVER	<0.03	mg/l
SODIUM	30.	mg/l
CHLOROMETHANE	41.	ug/l
BROMOMETHANE	<1.0	ug/l
VINYL CHLORIDE	<1.0	ug/l
CHLOROETHANE	<1.0	ug/l
METHYLENE CHLORIDE	<1.0	ug/l
CHLOROBENZENE	<1.0	ug/l
1,1-DICHLOROETHYLENE	<1.0	ug/l
1,1-DICHLOROETHANE	<1.0	ug/l
TRANS-1,2-DICHLOROETHYLENE	<1.0	ug/l
ETHYLBENZENE	<1.0	ug/l
CHLOROFORM	<1.0	ug/l
1,2-DICHLOROETHANE	<1.0	ug/l
1,1,1-TRICHLOROETHANE	<1.0	ug/l
CARBON TETRACHLORIDE	<1.0	ug/l
BROMODICHLOROMETHANE	<1.0	ug/l
1,2-DICHLOROPROPANE	<1.0	ug/l
TRANS-1,3-DICHLOROPROPENE	<1.0	ug/l
TRICHLOROETHYLENE	<1.0	ug/l
DIBROMOCHLOROMETHANE	<1.0	ug/l
CIS-1,3-DICHLOROPROPENE	<1.0	ug/l
1,1,2-TRICHLOROETHANE	<1.0	ug/l
BENZENE	<1.0	ug/l
2-CHLOROETHYL VINYL ETHER	<1.0	ug/l
BROMOFORM	<1.0	ug/l
TETRACHLOROETHYLENE	<1.0	ug/l
1,1,2,2-TETRACHLOROETHANE	<1.0	ug/l
TOLUENE	<1.0	ug/l
1,2 DICHLOROBENZENE	<1.0	ug/l
1,3 DICHLOROBENZENE	<1.0	ug/l
1,4 DICHLOROBENZENE	<1.0	ug/l



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SAMPLE #27406

PAGE 3 OF 3

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
TRICHLOROFLUOROMETHANE	<1.0	ug/l

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**MONITORING WELL
 SAMPLE CHARACTERIZATION AND
 CHAIN OF CUSTODY SHEET**

LAB SAMPLE LOG NO. 27406 JOB NO. 179.005.00

SOURCE

CLIENT Seneca Army Depot WELL NO. PT-10
 LOCATION LF WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 9/26/90

WELL DEPTH 46.2'
 DEPTH TO WATER 10.1'
 WELL VOLUME 5.78
 METHOD Manual
 NO. OF VOLUMES 3
 TOTAL VOLUME 18 gal.

ITEM	START	FINISH
TIME		1325
pH	7	7.55
TEMP.	12°C	-
DEPTH	10.1'	-
COLOR	clear	clear
APPEAR	Low Turb	

SAMPLING

DATE 9/26/90 pH 7.55

TIME 1325 TEMP. 12°C
 METHOD PVC Bailor COLOR clear
 CONTAINER 6/3-500 mL, 2-vials, 1-1/2 gal. TURB Low
 SAMPLED BY R. Rodman, J. Santilippo REDOX - | COND 610

PRESERVATION

DATE 9/26/90

FILTERED YES NO TIME _____ BY _____
 PRESERVED YES NO TIME 1325 BY R. Rodman, J.S.
 PRESERVATIVE H₂SO₄ HNO₃ NaOH H₃PO₄+C₂SO₄ Zn(C₂H₃O₂)₂
 HCL SOD. THIO.
 COOLED TO 4 C OTHER _____

CUSTODY

SAMPLERS SIGNATURE Ron J. Rodman
 TRANSFERED TO #1 _____
 RECEIVED BY K. Eppell DATE 9/26/90 TIME _____
 #2: _____
 RECEIVED BY _____ DATE _____ TIME _____

FIELD NOTES:



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To: SENECA ARMY DEPOT
BUILDING 323 MAT MGT BR
ROMULUS, NY 14541

Date: Nov 27 1990

Attention: COMMANDER

SAMPLE #27407

PAGE 1 OF 3

LABORATORY ANALYSIS REPORT

SAMPLE SUMMARY

CLIENT : SENECA ARMY DEPOT DATE RECEIVED : 09/26/90
 JOB # : 179.005.00 DATE COLLECTED : 09/26/90
 LOCATION : PT-16 TIME COLLECTED : 1350
 METHOD : GRAB

PARAMETER	RESULTS	UNITS
CHLORIDE	13.5	mg/l
CONDUCTANCE (field)	440.	umhos/cm
NITRATE (as N)	0.49	mg/l
pH	7.1	Standard Units
SULFATE	50.	mg/l
TOC	8.5	mg/l
ARSENIC	<0.020	mg/l
BARIUM	<0.50	mg/l
CADMIUM	<0.01	mg/l
CHROMIUM-T	<0.03	mg/l
IRON	22.	mg/l
LEAD	<0.020	mg/l
MERCURY	<0.001	mg/l
POTASSIUM	3.4	mg/l



Formerly: NET Northeast, Inc.

SAMPLE #27407

PAGE 2 OF 3

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
SELENIUM	<0.005	mg/l
SILVER	<0.03	mg/l
SODIUM	6.3	mg/l
CHLOROMETHANE	<1.0	ug/l
BROMOMETHANE	<1.0	ug/l
VINYL CHLORIDE	<1.0	ug/l
CHLOROETHANE	<1.0	ug/l
METHYLENE CHLORIDE	<1.0	ug/l
CHLOROBENZENE	<1.0	ug/l
1,1-DICHLOROETHYLENE	<1.0	ug/l
1,1-DICHLOROETHANE	<1.0	ug/l
TRANS-1,2-DICHLOROETHYLENE	<1.0	ug/l
ETHYLBENZENE	<1.0	ug/l
CHLOROFORM	<1.0	ug/l
1,2-DICHLOROETHANE	<1.0	ug/l
1,1,1-TRICHLOROETHANE	<1.0	ug/l
CARBON TETRACHLORIDE	<1.0	ug/l
BROMODICHLOROMETHANE	<1.0	ug/l
1,2-DICHLOROPROPANE	<1.0	ug/l
TRANS-1,3-DICHLOROPROPENE	<1.0	ug/l
TRICHLOROETHYLENE	<1.0	ug/l
DIBROMOCHLOROMETHANE	<1.0	ug/l
CIS-1,3-DICHLOROPROPENE	<1.0	ug/l
1,1,2-TRICHLOROETHANE	<1.0	ug/l
BENZENE	<1.0	ug/l
2-CHLOROETHYL VINYL ETHER	<1.0	ug/l
BROMOFORM	<1.0	ug/l
TETRACHLOROETHYLENE	<1.0	ug/l
1,1,2,2-TETRACHLOROETHANE	<1.0	ug/l
TOLUENE	<1.0	ug/l
1,2 DICHLOROBENZENE	<1.0	ug/l
1,3 DICHLOROBENZENE	<1.0	ug/l
1,4 DICHLOROBENZENE	<1.0	ug/l



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SAMPLE #27407

PAGE 3 OF 3

LABORATORY ANALYSIS REPORT

PARAMETER RESULTS UNITS
TRICHLOROFLUOROMETHANE <1.0 ug/l

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 East Syracuse, NY
 13057
 (315) 446-8795

**MONITORING WELL
 SAMPLE CHARACTERIZATION AND
 CHAIN OF CUSTODY SHEET**

LAB SAMPLE LOG NO. 27407

JOB NO. 179,005,00

SOURCE

CLIENT Seneca Army Depot

WELL NO. PT-16

LOCATION LF

WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 9/26/90

WELL DEPTH 11.5'

DEPTH TO WATER 6.5'

WELL VOLUME .80

METHOD Manual

NO. OF VOLUMES 3

TOTAL VOLUME 3gal

ITEM	START	FINISH
TIME		1350
pH	7	7.35
TEMP.	15°	
DEPTH	6.5'	-
COLOR	LT 6Y	LT 6Y
APPEAR	Med Turb	

SAMPLING

DATE 9/26/90

pH 7.35

TIME 1350

TEMP. 15°

METHOD PVC Bailer

COLOR LT 6Y

CONTAINER 6/3-500mc, 2-vials, 1-1/2gal.

TURB Med

SAMPLED BY R. Rodman, J. Santilippo

REDOX - | COND 440

PRESERVATION

DATE 9/26/90

FILTERED YES NO TIME _____ BY _____

PRESERVED YES NO TIME 1350 BY R.R., J.S.

PRESERVATIVE H₂SO₄ HNO₃ NaOH H₃PO₄+C₂SO₄ Zn(C₂H₃O₂)₂
 HCL SOD. THIO.
 COOLED TO 4 C OTHER _____

CUSTODY

SAMPLERS SIGNATURE R. Rodman

TRANSFERED TO #1

RECEIVED BY K. Speck DATE 9/26/90 TIME _____

#2
 RECEIVED BY _____ DATE _____ TIME _____

FIELD NOTES:



NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Atlantic, Inc.
Syracuse Division
5854 Butternut Drive
East Syracuse, NY 13057
Tel: (315) 446-8795
Fax: (315) 449-1611

Formerly: NET Northeast, Inc.

To: SENECA ARMY DEPOT
BUILDING 323 MAT MGT BR
ROMULUS, NY 14541

Date: Nov 27 1990

Attention: COMMANDER

SAMPLE #27408

PAGE 1 OF 3

LABORATORY ANALYSIS REPORT

SAMPLE SUMMARY

CLIENT	: SENECA ARMY DEPOT	DATE RECEIVED	: 09/26/90
JOB #	: 179.005.00	DATE COLLECTED	: 09/26/90
LOCATION	: PT-24	TIME COLLECTED	: 1440
METHOD	: GRAB		

PARAMETER	RESULTS	UNITS
CHLORIDE	17.4	mg/l
CONDUCTANCE (field)	500.	umhos/cm
NITRATE (as N)	0.34	mg/l
pH	7.0	Standard Units
SULFATE	125.	mg/l
TOC	4.4	mg/l
ARSENIC	<0.020	mg/l
BARIUM	<0.50	mg/l
CADMIUM	<0.01	mg/l
CHROMIUM-T	<0.03	mg/l
IRON	1.2	mg/l
LEAD	<0.020	mg/l
MERCURY	<0.001	mg/l
POTASSIUM	2.1	mg/l



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SAMPLE #27408

PAGE 2 OF 3

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
SELENIUM	<0.005	mg/l
SILVER	<0.03	mg/l
SODIUM	14.	mg/l
CHLOROMETHANE	<1.0	ug/l
BROMOMETHANE	<1.0	ug/l
VINYL CHLORIDE	<1.0	ug/l
CHLOROETHANE	<1.0	ug/l
METHYLENE CHLORIDE	<1.0	ug/l
CHLORO BENZENE	<1.0	ug/l
1,1-DICHLOROETHYLENE	<1.0	ug/l
1,1-DICHLOROETHANE	<1.0	ug/l
TRANS-1,2-DICHLOROETHYLENE	<1.0	ug/l
ETHYLBENZENE	<1.0	ug/l
CHLOROFORM	<1.0	ug/l
1,2-DICHLOROETHANE	<1.0	ug/l
1,1,1-TRICHLOROETHANE	1.0	ug/l
CARBON TETRACHLORIDE	<1.0	ug/l
BROMODICHLOROMETHANE	<1.0	ug/l
1,2-DICHLOROPROPANE	<1.0	ug/l
TRANS-1,3-DICHLOROPROPENE	<1.0	ug/l
TRICHLOROETHYLENE	2.0	ug/l
DIBROMOCHLOROMETHANE	<1.0	ug/l
CIS-1,3-DICHLOROPROPENE	<1.0	ug/l
1,1,2-TRICHLOROETHANE	<1.0	ug/l
BENZENE	<1.0	ug/l
2-CHLOROETHYL VINYL ETHER	<1.0	ug/l
BROMOFORM	<1.0	ug/l
TETRACHLOROETHYLENE	<1.0	ug/l
1,1,2,2-TETRACHLOROETHANE	<1.0	ug/l
TOLUENE	<1.0	ug/l
1,2 DICHLORO BENZENE	<1.0	ug/l
1,3 DICHLORO BENZENE	<1.0	ug/l
1,4 DICHLORO BENZENE	<1.0	ug/l



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SAMPLE #27408

PAGE 3 OF 3

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
TRICHLOROFLUOROMETHANE	<1.0	ug/l

I warrants that any sampling and analyses conducted as part of this report are performed in accordance with the analytical industries recognized methodologies and professional standards. NET will not assume liability for any damages resulting from deficient work other than reperformance or cost of said work and will not accept any liability as a result of data interpretation by the client.

NYSDOH -- ELAP #10067

APPROVED BY: *Paul W. B...* DATE: NOV 27 1990



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 13057
 (315) 446-8795

**MONITORING WELL
 SAMPLE CHARACTERIZATION AND
 CHAIN OF CUSTODY SHEET**

LAB SAMPLE LOG NO. 27408

JOB NO. 179,005.00

SOURCE

CLIENT Seneca Army Depot

WELL NO. PT-24

LOCATION LF

WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 9/26/90

WELL DEPTH 11.8'

DEPTH TO WATER 7'

WELL VOLUME .77

METHOD Manual

NO. OF VOLUMES 3

TOTAL VOLUME 3 gal

ITEM	START	FINISH
TIME		1440
pH	7	7.30
TEMP.	16°C	
DEPTH	7'	-
COLOR	DK GY	DK GY
APPEAR	High Turb	

SAMPLING

DATE 9/26/90

pH 7.30

TIME 1440

TEMP. 16°C

METHOD PVC Bailor

COLOR DK GY

CONTAINER 6/3-500ml, 2-Vials, 1-1/2gal.

TURB High

SAMPLED BY R. Rodman, J. Santilippa

REDOX - | COND 500

PRESERVATION

DATE 9/26/90

FILTERED YES NO TIME _____ BY _____

PRESERVED YES NO TIME 1440 BY R.R., J.S.

PRESERVATIVE H₂SO₄ HNO₃ NaOH H₃PO₄+C₂SO₄ Zn(C₂H₃O₂)₂
 HCL SOD. THIO.
 COOLED TO 4 C OTHER _____

CUSTODY

SAMPLERS SIGNATURE R. Rodman

TRANSFERED TO #1

RECEIVED BY K. Speck DATE 9/26/90 TIME _____

#2
 RECEIVED BY _____ DATE _____ TIME _____

FIELD NOTES:



NATIONAL ENVIRONMENTAL TESTING, INC.

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Tel: (315) 446-8795
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Formerly: NET Northeast, Inc.

To: SENECA ARMY DEPOT
BUILDING 323 MAT MGT BR
ROMULUS, NY 14541

Date: Nov 19 1990

Attention: COMMANDER

SAMPLE #27409

PAGE 1 OF 2

LABORATORY ANALYSIS REPORT

SAMPLE SUMMARY

CLIENT	: SENECA ARMY DEPOT	DATE RECEIVED	: 09/26/90
JOB #	: 179.005.00	DATE COLLECTED	: 09/26/90
LOCATION	: BLANK	TIME COLLECTED	: 0800
METHOD	: GRAB		

PARAMETER	RESULTS	UNITS
CHLOROMETHANE	<1.0	ug/l
BROMOMETHANE	<1.0	ug/l
VINYL CHLORIDE	<1.0	ug/l
CHLOROETHANE	<1.0	ug/l
METHYLENE CHLORIDE	<1.0	ug/l
CHLOROBENZENE	<1.0	ug/l
1,1-DICHLOROETHYLENE	<1.0	ug/l
1,1-DICHLOROETHANE	<1.0	ug/l
TRANS-1,2-DICHLOROETHYLENE	<1.0	ug/l
ETHYLBENZENE	<1.0	ug/l
CHLOROFORM	<1.0	ug/l
1,2-DICHLOROETHANE	<1.0	ug/l
1,1,1-TRICHLOROETHANE	<1.0	ug/l
CARBON TETRACHLORIDE	<1.0	ug/l



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SAMPLE #27409

PAGE 2 OF 2

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
BROMODICHLOROMETHANE	<1.0	ug/l
1,2-DICHLOROPROPANE	<1.0	ug/l
TRANS-1,3-DICHLOROPROPENE	<1.0	ug/l
TRICHLOROETHYLENE	<1.0	ug/l
DIBROMOCHLOROMETHANE	<1.0	ug/l
CIS-1,3-DICHLOROPROPENE	<1.0	ug/l
1,1,2-TRICHLOROETHANE	<1.0	ug/l
BENZENE	<1.0	ug/l
2-CHLOROETHYL VINYL ETHER	<1.0	ug/l
BROMOFORM	<1.0	ug/l
TETRACHLOROETHYLENE	<1.0	ug/l
1,1,2,2-TETRACHLOROETHANE	<1.0	ug/l
TOLUENE	<1.0	ug/l
1,2 DICHLOROBENZENE	<1.0	ug/l
1,3 DICHLOROBENZENE	2.0	ug/l
1,4 DICHLOROBENZENE	2.0	ug/l
TRICHLOROFLUOROMETHANE	<1.0	ug/l

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Formerly NET Northeast Inc

SAMPLE CHARACTERIZATION/CHAIN OF CUSTODY INFORMATION

CLIENT Seneca Army Depot CLIENT # 179,005,00
 CLIENT CONTACT M.P PHONE () _____
 P.O. # _____ LOG # 27409

SAMPLING:
 SAMPLE ID: BLANK LOCATION: Seneca Army Depot LF
 SAMPLE TYPE: _____ SOIL WATER _____ OIL _____ SEDIMENT _____ WIPE
 OTHER _____
 COLLECTION METHOD: _____ 24HR COMPOSITE MANUAL GRAB _____ WIPE
 _____ FLOW COMPOSITE OTHER _____
 COMPOSITE:
 SET: DATE _____ TIME _____ BY _____
 PICKED UP: DATE _____ TIME _____ BY _____
 MANUAL GRAB: DATE 9/26/90 TIME 0800 BY R. Rodman
 FLOW: _____ UNITS: _____ GPM _____ GPD _____ MGD

PRESERVATION:
 DATE 9/26/90 TIME 0800 BY R.R.
 PRESERVATIVE: _____ H₂SO₄ _____ HNO₃ _____ NaOH HCl _____ Na₂S₂O₃
 COOLED TO 4 DEGREES CELSIUS _____ TEFLON LINER
 OTHER _____

CONTAINERS:
2 vials

NOTES:

CUSTODY:
 COLLECTED BY: Ron J Rodman DATE: 9/26/90
 DELIVERED BY: Ron J Rodman DATE: 9/26/90 TIME: 1630
 RECEIVED BY: K. Speck DATE: 9/26/90 TIME: _____
 LOGGED IN BY: _____ DATE: _____ TIME: _____



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Fax: (315) 449-1611

To: SENECA ARMY DEPOT
BUILDING 323 MAT MGT BR
ROMULUS, NY 14541

Date: Nov 27 1990
Formerly: NET Northeast, Inc.

Attention: COMMANDER

SAMPLE #27441

PAGE 1 OF 3

LABORATORY ANALYSIS REPORT

SAMPLE SUMMARY

CLIENT : SENECA ARMY DEPOT DATE RECEIVED : 09/27/90
JOB # : 179.005.00 DATE COLLECTED : 09/26/90
LOCATION : PT-11 TIME COLLECTED : 1340
METHOD : GRAB

PARAMETER	RESULTS	UNITS
CHLORIDE	48.2	mg/l
CONDUCTANCE (field)	720.	umhos/cm
NITRATE (as N)	0.27	mg/l
pH	7.4	Standard Units
SULFATE	60.	mg/l
TDC	17.	mg/l
ARSENIC	0.042	mg/l
BARIUM	3.0	mg/l
CADMIUM	<0.01	mg/l
CHROMIUM-T	0.25	mg/l
IRON	270.	mg/l
LEAD	0.058	mg/l
MERCURY	<0.001	mg/l
POTASSIUM	26.	mg/l



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SAMPLE #27441

PAGE 2 OF 3

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
SELENIUM	<0.005	mg/l
SILVER	<0.03	mg/l
SODIUM	30.	mg/l
CHLOROMETHANE	270.	ug/l
BROMOMETHANE	<1.0	ug/l
VINYL CHLORIDE	<1.0	ug/l
CHLOROETHANE	<1.0	ug/l
METHYLENE CHLORIDE	<1.0	ug/l
CHLOROBENZENE	<1.0	ug/l
1,1-DICHLOROETHYLENE	<1.0	ug/l
1,1-DICHLOROETHANE	<1.0	ug/l
TRANS-1,2-DICHLOROETHYLENE	<1.0	ug/l
ETHYLBENZENE	<1.0	ug/l
CHLOROFORM	<1.0	ug/l
1,2-DICHLOROETHANE	<1.0	ug/l
1,1,1-TRICHLOROETHANE	<1.0	ug/l
CARBON TETRACHLORIDE	<1.0	ug/l
BROMODICHLOROMETHANE	<1.0	ug/l
1,2-DICHLOROPROPANE	<1.0	ug/l
TRANS-1,3-DICHLOROPROPENE	<1.0	ug/l
TRICHLOROETHYLENE	<1.0	ug/l
DIBROMOCHLOROMETHANE	<1.0	ug/l
CIS-1,3-DICHLOROPROPENE	<1.0	ug/l
1,1,2-TRICHLOROETHANE	<1.0	ug/l
BENZENE	<1.0	ug/l
2-CHLOROETHYL VINYL ETHER	<1.0	ug/l
BROMOFORM	<1.0	ug/l
TETRACHLOROETHYLENE	<1.0	ug/l
1,1,2,2-TETRACHLOROETHANE	<1.0	ug/l
TOLUENE	<1.0	ug/l
1,2 DICHLOROBENZENE	<1.0	ug/l
1,3 DICHLOROBENZENE	<1.0	ug/l
1,4 DICHLOROBENZENE	<1.0	ug/l



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SAMPLE #27441

PAGE 3 OF 3

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
TRICHLOROFLUOROMETHANE	<1.0	ug/l

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NYSDOH - FLAP #10067

APPROVED BY: Paul W. Belmont DATE: NOV 27 1999



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 13057
 (315) 446-8795

**MONITORING WELL
 SAMPLE CHARACTERIZATION AND
 CHAIN OF CUSTODY SHEET**

LAB SAMPLE LOG NO. 27441 JOB NO. 179,005.00

SOURCE

CLIENT Seneca Army Depot WELL NO. PT-11
 LOCATION LF WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 9/26/90

WELL DEPTH 19.4'
 DEPTH TO WATER 9'
 WELL VOLUME 1.66
 METHOD Manual
 NO. OF VOLUMES 3
 TOTAL VOLUME 5 gal

ITEM	START	FINISH
TIME		1340
PH	7	7.40
TEMP.	14°C	
DEPTH	9'	-
COLOR	LT BR	LT BR
APPEAR	High Turb	

SAMPLING

DATE 9/26/90 pH 7.40

TIME 1340 TEMP. 14°C
 METHOD PVC Bailer COLOR LT BR
 * CONTAINER 6/3-500 mL, 2-vials, 1-1/2 gal TURB High
 SAMPLED BY R. Rodman, J. Santilippo REDOX - | COND 720

PRESERVATION

DATE 9/26/90

FILTERED YES NO TIME BY
 PRESERVED YES NO TIME 1340 BY R.R., J.S.
 PRESERVATIVE H₂SO₄ HNO₃ NaOH H₃PO₄+C₂SO₄ Zn(C₂H₃O₂)₂
 HCL SOD. THIO.
 COOLED TO 4 C OTHER

CUSTODY

SAMPLERS SIGNATURE R. J. Rodman
 TRANSFERRED TO #1
 RECIEVED BY K. Speck DATE 9/27/90 TIME
 #2
 RECIEVED BY DATE TIME

FIELD NOTES:

* 1-1/2 gal, 2-500 mL collected 9/27/90



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To: SENECA ARMY DEPOT
BUILDING 323 MAT MGT BR
ROMULUS, NY 14541

Formerly: NET Northeast, Inc.
Date: Nov 27 1990

Attention: COMMANDER

SAMPLE #27442

PAGE 1 OF 3

LABORATORY ANALYSIS REPORT

SAMPLE SUMMARY

CLIENT : SENECA ARMY DEPOT DATE RECEIVED : 09/27/90
 JOB # : 179.005.00 DATE COLLECTED : 09/27/90
 LOCATION : PF-12 TIME COLLECTED : 1315
 METHOD : GRAB

PARAMETER	RESULTS	UNITS
CHLORIDE	202.	mg/l
CONDUCTANCE (field)	2500.	umhos/cm
NITRATE (as N)	0.21	mg/l
pH	7.0	Standard Units
SULFATE	388.	mg/l
TOC	7.0	mg/l
ARSENIC	<0.020	mg/l
BARIUM	<0.50	mg/l
CADMIUM	<0.01	mg/l
CHROMIUM-T	<0.02	mg/l
IRON	7.8	mg/l
LEAD	<0.020	mg/l
MERCURY	<0.001	mg/l
POTASSIUM	5.9	mg/l



Formerly: NET Northeast, Inc.

SAMPLE #27442

PAGE 2 OF 3

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
SELENIUM	<0.005	mg/l
SILVER	<0.03	mg/l
SODIUM	160.	mg/l
CHLOROMETHANE	51.	ug/l
BROMOMETHANE	<10.	ug/l
VINYL CHLORIDE	140.	ug/l
CHLOROETHANE	<10.	ug/l
METHYLENE CHLORIDE	<10.	ug/l
CHLOROBENZENE	<10.	ug/l
1,1-DICHLOROETHYLENE	<10.	ug/l
1,1-DICHLOROETHANE	<10.	ug/l
TRANS-1,2-DICHLOROETHYLENE	<10.	ug/l
ETHYLBENZENE	<10.	ug/l
CHLOROFORM	<10.	ug/l
1,2-DICHLOROETHANE	<10.	ug/l
1,1,1-TRICHLOROETHANE	<10.	ug/l
CARBON TETRACHLORIDE	<10.	ug/l
BROMODICHLOROMETHANE	<10.	ug/l
1,2-DICHLOROPROPANE	<10.	ug/l
TRANS-1,3-DICHLOROPROPENE	<10.	ug/l
TRICHLOROETHYLENE	3100.	ug/l
DIBROMOCHLOROMETHANE	<10.	ug/l
CIS-1,3-DICHLOROPROPENE	<10.	ug/l
1,1,2-TRICHLOROETHANE	<10.	ug/l
BENZENE	<10.	ug/l
2-CHLOROETHYL VINYL ETHER	<10.	ug/l
BROMOFORM	<10.	ug/l
TETRACHLOROETHYLENE	<10.	ug/l
1,1,2,2-TETRACHLOROETHANE	<10.	ug/l
TOLUENE	<10.	ug/l
1,2 DICHLOROBENZENE	<10.	ug/l
1,3 DICHLOROBENZENE	<10.	ug/l
1,4 DICHLOROBENZENE	<10.	ug/l



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Formerly: NET Northeast, Inc.

SAMPLE #27442

PAGE 3 OF 3

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
TRICHLOROFLUOROMETHANE	<10,	ug/l

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NYSDDH -- ELAP #10067

APPROVED BY: Fred W. Belmont DATE: NOV 27 1990



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 East Syracuse, NY
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 (315) 446-8795

**MONITORING WELL
 SAMPLE CHARACTERIZATION AND
 CHAIN OF CUSTODY SHEET**

LAB SAMPLE LOG NO. 27442 JOB NO. 179,005.00

SOURCE

CLIENT Seneca Army Depot WELL NO. PT-12
 LOCATION LF WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 9/28/90

WELL DEPTH 12.3'
 DEPTH TO WATER 9.5'
 WELL VOLUME .45
 METHOD Manual
 NO. OF VOLUMES 3
 TOTAL VOLUME 1.5 gal

ITEM	START	FINISH
TIME		1315
pH	7	7.05
TEMP.	14°C	-
DEPTH	9.5'	-
COLOR	LT BR	LT BR
APPEAR	Med Turb	

SAMPLING

DATE 9/27/90 pH 7.05

TIME 1315 TEMP. 14°C
 METHOD PVC Bailer COLOR LT BR
 * CONTAINER 6/3-500 mL, 2-vials, 1-1/2 gal TURB Med
 SAMPLED BY R. Radman, J. Santilippo REDOX - | COND 2500

PRESERVATION

DATE 9/27/90

FILTERED YES NO TIME _____ BY _____
 PRESERVED YES NO TIME 1315 BY R.R., J.S.
 PRESERVATIVE H₂SO₄ HNO₃ NaOH H₃PO₄+C₂SO₄ Zn(C₂H₃O₂)₂
 HCL SOD. THIO.
 COOLED TO 4 C OTHER _____

CUSTODY

SAMPLERS SIGNATURE R. Radman
 TRANSFERED TO #1 _____
 RECIEVED BY K. Speck DATE 9/27/90 TIME _____
 #2 _____
 RECIEVED BY _____ DATE _____ TIME _____

FIELD NOTES:

* 1-500 mL (HNO₃) collected 9/28/90



NATIONAL ENVIRONMENTAL TESTING, INC.

NET Atlantic, Inc.
Syracuse Division
5854 Butternut Drive
East Syracuse, NY 13057
Tel: (315) 446-8795
Fax: (315) 449-1611

To: SENECA ARMY DEPOT
BUILDING 323 MAT MGT BR
ROMULUS, NY 14541

Formerly: NET Northeast, Inc.
Date: Nov 27 1990

Attention: COMMANDER

SAMPLE #27443

PAGE 1 OF 3

LABORATORY ANALYSIS REPORT

SAMPLE SUMMARY

CLIENT : SENECA ARMY DEPOT DATE RECEIVED : 09/27/90
 JOB # : 179.005.00 DATE COLLECTED : 09/26/90
 LOCATION : PT-15 TIME COLLECTED : 1400
 METHOD : GRAB

PARAMETER	RESULTS	UNITS
CHLORIDE	8.7	mg/l
CONDUCTANCE (field)	380.	umhos/cm
NITRATE (as N)	0.12	mg/l
pH	7.7	Standard Units
SULFATE	44.4	mg/l
TOC	13.0	mg/l
ARSENIC	0.020	mg/l
BARIUM	0.50	mg/l
CADMIUM	0.01	mg/l
CHROMIUM-T	0.09	mg/l
IRON	98.	mg/l
LEAD	0.020	mg/l
MERCURY	0.001	mg/l
POTASSIUM	12.	mg/l



Formerly: NET Northeast, Inc.

SAMPLE #27443

PAGE 2 OF 3

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
SELENIUM	<0.005	mg/l
SILVER	<0.03	mg/l
SODIUM	27.	mg/l
CHLOROMETHANE	210.	ug/l
BROMOMETHANE	<1.0	ug/l
VINYL CHLORIDE	<1.0	ug/l
CHLOROETHANE	<1.0	ug/l
METHYLENE CHLORIDE	<1.0	ug/l
CHLOROBENZENE	<1.0	ug/l
1,1-DICHLOROETHYLENE	<1.0	ug/l
1,1-DICHLOROETHANE	<1.0	ug/l
TRANS-1,2-DICHLOROETHYLENE	<1.0	ug/l
ETHYLBENZENE	<1.0	ug/l
CHLOROFORM	<1.0	ug/l
1,2-DICHLOROETHANE	<1.0	ug/l
1,1,1-TRICHLOROETHANE	<1.0	ug/l
CARBON TETRACHLORIDE	<1.0	ug/l
BROMODICHLOROMETHANE	<1.0	ug/l
1,2-DICHLOROPROPANE	<1.0	ug/l
TRANS-1,3-DICHLOROPROPENE	<1.0	ug/l
TRICHLOROETHYLENE	2.0	ug/l
DIBROMOCHLOROMETHANE	<1.0	ug/l
CIS-1,3-DICHLOROPROPENE	<1.0	ug/l
1,1,2-TRICHLOROETHANE	<1.0	ug/l
BENZENE	<1.0	ug/l
2-CHLOROETHYL VINYL ETHER	<1.0	ug/l
BROMOFORM	<1.0	ug/l
TETRACHLOROETHYLENE	<1.0	ug/l
1,1,2,2-TETRACHLOROETHANE	<1.0	ug/l
TOLUENE	<1.0	ug/l
1,2-DICHLOROBENZENE	<1.0	ug/l
1,3-DICHLOROBENZENE	<1.0	ug/l
1,4-DICHLOROBENZENE	<1.0	ug/l



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Formerly: NET Northeast, Inc.

SAMPLE #27443

PAGE 3 OF 3

LABOPATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
TRICHLOROFLUOROMETHANE	<1.0	ug/l

NET warrants that any sampling and analyses conducted as part of this report are performed in accordance with the analytical industries recognized methodologies and professional standards. NET will not assume liability for any damages resulting from deficient work other than reperformance or cost of said work and will not accept any liability as a result of data interpretation by the client.

Richard Bolant



5854 Butternut Drive
 East Syracuse, NY
 13057
 (315) 446-8795

**MONITORING WELL
 SAMPLE CHARACTERIZATION AND
 CHAIN OF CUSTODY SHEET**

LAB SAMPLE LOG NO. 27443

JOB NO. 174,005.00

SOURCE

CLIENT Seneca Army Depot

WELL NO. PT-15

LOCATION LF

WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 9/26/90

WELL DEPTH 19.5'
 DEPTH TO WATER 10.05'
 WELL VOLUME 1.51
 METHOD Manual
 NO. OF VOLUMES 3
 TOTAL VOLUME 5 gal.

ITEM	START	FINISH
TIME		1400
pH	7	7.65
TEMP.	14°C	
DEPTH	10.05	-
COLOR	LT 6Y	LT 6Y
APPEAR	High turb	

SAMPLING

DATE 9/26/90

pH 7.65

TIME 1400

TEMP. 14°C

METHOD PVC Bailer

COLOR LT 6Y

* CONTAINER 6/3-500 ml, 2-vials, 1-1/2 gal

TURB High

SAMPLED BY R. Rodman, J. Sanfilippo

REDOX - | COND 380

PRESERVATION

DATE 9/26/90

FILTERED YES NO

TIME _____ BY _____

PRESERVED YES NO

TIME 1400 BY R.R., J.S.

PRESERVATIVE H₂SO₄ HNO₃ NaOH H₃PO₄+C₂SO₄ Zn(C₂H₃O₂)₂
 HCL SOD. THIO.
 COOLED TO 4 C OTHER _____

CUSTODY

SAMPLERS SIGNATURE R. Rodman

TRANSFERED TO #1

RECEIVED BY K. Speck DATE 9/27/90 TIME _____

#2
 RECEIVED BY _____ DATE _____ TIME _____

FIELD NOTES:

* 1-1/2 gal, 1-500 ml collected 9/27/90



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NET Atlantic, Inc.
Syracuse Division
5854 Butternut Drive
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Tel: (315) 446-8795
Fax: (315) 449-1611

To: SENECA ARMY DEPOT
BUILDING 323 MAT MGT BR
ROMULUS, NY 14541

Formerly: NET Northeast, Inc.
Date: Nov 27 1990

Attention: COMMANDER

SAMPLE #27444

PAGE 1 OF 3

LABORATORY ANALYSIS REPORT

SAMPLE SUMMARY

CLIENT : SENECA ARMY DEPOT

DATE RECEIVED : 09/27/90

JOB # : 179.005.00

DATE COLLECTED : 09/27/90

LOCATION : PT-17

TIME COLLECTED : 12:0

METHOD : GRAB

PARAMETER	RESULTS	UNITS
CHLORIDE	26.0	mg/l
CONDUCTANCE (field)	620.	umhos/cm
NITRATE (as N)	0.39	mg/l
pH	7.1	Standard Units
SULFATE	20.0	mg/l
TOC	4.2	mg/l
ARSENIC	<0.020	mg/l
BARIUM	<0.50	mg/l
CADMIUM	<0.01	mg/l
CHROMIUM-T	<0.02	mg/l
IRON	1.1	mg/l
LEAD	<0.020	mg/l
MERCURY	<0.001	mg/l
POTASSIUM	3.2	mg/l



Formerly: NET Northeast, Inc.

SAMPLE #27444

PAGE 2 OF 3

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
SELENIUM	<0.005	mg/l
SILVER	<0.03	mg/l
SODIUM	29.	mg/l
CHLOROMETHANE	<1.0	ug/l
BROMOMETHANE	<1.0	ug/l
VINYL CHLORIDE	<1.0	ug/l
CHLOROETHANE	<1.0	ug/l
METHYLENE CHLORIDE	2.0	ug/l
CHLOROBENZENE	<1.0	ug/l
1,1-DICHLOROETHYLENE	<1.0	ug/l
1,1-DICHLOROETHANE	<1.0	ug/l
TRANS-1,2-DICHLOROETHYLENE	<1.0	ug/l
ETHYLBENZENE	<1.0	ug/l
CHLOROFORM	<1.0	ug/l
1,2-DICHLOROETHANE	<1.0	ug/l
1,1,1-TRICHLOROETHANE	<1.0	ug/l
CARBON TETRACHLORIDE	<1.0	ug/l
BROMODICHLOROMETHANE	<1.0	ug/l
1,2-DICHLOROPROPANE	<1.0	ug/l
TRANS-1,3-DICHLOROPROPENE	<1.0	ug/l
TRICHLOROETHYLENE	340.	ug/l
DIBROMOCHLOROMETHANE	<1.0	ug/l
CIS-1,3-DICHLOROPROPENE	<1.0	ug/l
1,1,2-TRICHLOROETHANE	<1.0	ug/l
BENZENE	<1.0	ug/l
2-CHLOROETHYL VINYL ETHER	<1.0	ug/l
BROMOFORM	<1.0	ug/l
TETRACHLOROETHYLENE	<1.0	ug/l
1,1,2,2-TETRACHLOROETHANE	<1.0	ug/l
TOLUENE	<1.0	ug/l
1,2-DICHLOROBENZENE	<1.0	ug/l
1,3-DICHLOROBENZENE	<1.0	ug/l
1,4-DICHLOROBENZENE	<1.0	ug/l



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Formerly: NET Northeast, Inc.

SAMPLE #27444

PAGE 3 OF 3

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
TRICHLOROFLUOROMETHANE	<1.0	ug/l

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NYSDOH -- ELAP #10007

APPROVED BY: *Richard W. Balant* DATE: NOV 27 1990



5854 Butternut Drive
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**MONITORING WELL
 SAMPLE CHARACTERIZATION AND
 CHAIN OF CUSTODY SHEET**

LAB SAMPLE LOG NO. 27444

JOB NO. 179,005,00

SOURCE

CLIENT Seneca Army Depot

WELL NO. PT-17

LOCATION 2F

WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 9/26/90

WELL DEPTH 11.5'

DEPTH TO WATER 8.6'

WELL VOLUME .46

METHOD Manual

NO. OF VOLUMES 4

TOTAL VOLUME 2 gal

ITEM	START	FINISH
TIME		1220
pH	7	7.20
TEMP.	15°C	--
DEPTH	8.6'	--
COLOR	DK BR	DK BR
APPEAR	High Turb	

SAMPLING

DATE 9/27/90

pH 7.20

TIME 1220

TEMP. 15°C

METHOD PVC Bailer

COLOR DK BR

CONTAINER 6/3-500 ml, 2-vials, 1-1/2 gal

TURB High

SAMPLED BY R. Rodman, J. Sanfilippo

REDOX -- | COND 620

PRESERVATION

DATE 9/27/90

FILTERED YES NO TIME BY

PRESERVED YES NO TIME 1220 BY R.R., J.S.

PRESERVATIVE H₂SO₄ HNO₃ NaOH H₃PO₄+C₂SO₄ Zn(C₂H₃O₂)₂
 HCL SOD. THIO.
 COOLED TO 4 C OTHER

CUSTODY

SAMPLERS SIGNATURE R. Rodman

TRANSFERED TO #1

RECEIVED BY K. Specht DATE 9/27/90 TIME

#2

RECEIVED BY DATE TIME

FIELD NOTES:



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5854 Butternut Drive
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Fax: (315) 449-1611

To: SENECA ARMY DEPOT
BUILDING 323 MAT MGT BR
ROMULUS, NY 14541

Formerly: NET Northeast, Inc.
Date: Nov 27 1990

Attention: COMMANDER

SAMPLE #27445

PAGE 1 OF 3

LABORATORY ANALYSIS REPORT

SAMPLE SUMMARY

CLIENT : SENECA ARMY DEPOT DATE RECEIVED : 09/27/90
 JOB # : 179.005.00 DATE COLLECTED : 09/27/90
 LOCATION : PT-18 TIME COLLECTED : 1330
 METHOD : GRAB

PARAMETER	RESULTS	UNITS
CHLORIDE	75.2	mg/l
CONDUCTANCE (field)	1600.	umhos/cm
NITRATE (as N)	<0.04	mg/l
pH	6.9	Standard Units
SULFATE	245.	mg/l
TOC	12.	mg/l
ARSENIC	<0.020	mg/l
BARIUM	<0.50	mg/l
CADMIUM	<0.01	mg/l
CHROMIUM-T	<0.02	mg/l
IRON	0.5	mg/l
LEAD	<0.020	mg/l
MERCURY	<0.001	mg/l
POTASSIUM	5.1	mg/l



Formerly: NET Northeast, Inc.

SAMPLE #27445

PAGE 2 OF 3

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
SELENIUM	<0.005	mg/l
SILVER	<0.03	mg/l
SODIUM	99.	mg/l
CHLOROMETHANE	<10.	ug/l
BROMOMETHANE	<10.	ug/l
VINYL CHLORIDE	<10.	ug/l
CHLOROETHANE	<10.	ug/l
METHYLENE CHLORIDE	<10.	ug/l
CHLOROBENZENE	<10.	ug/l
1,1-DICHLOROETHYLENE	<10.	ug/l
1,1-DICHLOROETHANE	<10.	ug/l
TRANS-1,2-DICHLOROETHYLENE	<10.	ug/l
ETHYLBENZENE	<10.	ug/l
CHLOROFORM	610.	ug/l
1,2-DICHLOROETHANE	<10.	ug/l
1,1,1-TRICHLOROETHANE	<10.	ug/l
CARBON TETRACHLORIDE	<10.	ug/l
BROMODICHLOROMETHANE	<10.	ug/l
1,2-DICHLOROPROPANE	<10.	ug/l
TRANS-1,3-DICHLOROPROPENE	<10.	ug/l
TRICHLOROETHYLENE	17000.	ug/l
DIAROMCHLOROMETHANE	<10.	ug/l
CIS-1,3-DICHLOROPROPENE	<10.	ug/l
1,1,2-TRICHLOROETHANE	<10.	ug/l
BENZENE	<10.	ug/l
2-CHLOROETHYL VINYL ETHER	<10.	ug/l
BROMOFORM	<10.	ug/l
TETRACHLOROETHYLENE	<10.	ug/l
1,1,2,2-TETRACHLOROETHANE	<10.	ug/l
TOLUENE	<10.	ug/l
1,2-DICHLOROBENZENE	<10.	ug/l
1,3-DICHLOROBENZENE	<10.	ug/l
1,4-DICHLOROBENZENE	<10.	ug/l



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Formerly: NET Northeast, Inc.

SAMPLE #27445

PAGE 3 OF 3

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
TRICHLOROFLUOROMETHANE	<10.	ug/l

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NYSDDH - ELAP #10067

APPROVED BY: Freddie Belmont DATE: NOV 2 / 1990



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 13057
 (315) 446-8795

**MONITORING WELL
 SAMPLE CHARACTERIZATION AND
 CHAIN OF CUSTODY SHEET**

LAB SAMPLE LOG NO. 27445 JOB NO. 179,005,00

SOURCE

CLIENT Seneca Army Depot WELL NO. PT-18
 LOCATION LF WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 9/26/90

WELL DEPTH 11.5'
 DEPTH TO WATER 9.2'
 WELL VOLUME .37
 METHOD Manual
 NO. OF VOLUMES 3
 TOTAL VOLUME 1.5 gal

ITEM	START	FINISH
TIME		1330
pH	7	7.00
TEMP.	14°C	-
DEPTH	9.2'	-
COLOR	LT BR	LT BR
APPEAR	Med Turb	

SAMPLING

DATE 9/27/90 pH 7.00

TIME 1330 TEMP. 14°C
 METHOD PVC Bailer COLOR LT BR
 CONTAINER 6/3-500mL, 2-vials, 1-Vial TURB Med
 SAMPLED BY R. Radman, J. Santilippro REDOX - | COND 1600

PRESERVATION

DATE 9/27/90

FILTERED YES NO TIME _____ BY _____
 PRESERVED YES NO TIME 1330 BY R.R.J.S.
 PRESERVATIVE H₂SO₄ HNO₃ NaOH H₃PO₄+C₂SO₄ Zn(C₂H₃O₂)₂
 HCL SOD. THIO.
 COOLED TO 4 C OTHER _____

CUSTODY

SAMPLERS SIGNATURE R. Radman
 TRANSFERED TO #1 _____
 RECIEVED BY K. SPECIN DATE 9/27/90 TIME _____
 #2 _____
 RECIEVED BY _____ DATE _____ TIME _____

FIELD NOTES:



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NET Atlantic, Inc.
Syracuse Division
5854 Butternut Drive
East Syracuse, NY 13057
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Fax: (315) 449-1611

To: SENECA ARMY DEPOT
BUILDING 323 MAT MGT BR
ROMULUS, NY 14541

Formerly: NET Northeast, Inc.
Date: Nov 27 1990

Attention: COMMANDER

SAMPLE #27446

PAGE 1 OF 3

LABORATORY ANALYSIS REPORT

SAMPLE SUMMARY

CLIENT : SENECA ARMY DEPOT DATE RECEIVED : 09/27/90
 JOB # : 179.005.00 DATE COLLECTED : 09/27/90
 LOCATION : PT-20 TIME COLLECTED : 1300
 METHOD : GRAB

PARAMETER	RESULTS	UNITS
CHLORIDE	47.7	mg/l
CONDUCTANCE (field)	880.	umhos/cm
NITRATE (as N)	0.09	mg/l
pH	7.1	Standard Units
SULFATE	161.	mg/l
TOC	3.4	mg/l
ARSENIC	<0.020	mg/l
BARIUM	<0.50	mg/l
CADMIUM	<0.01	mg/l
CHROMIUM-T	<0.02	mg/l
IRON	8.6	mg/l
LEAD	<0.020	mg/l
MERCURY	<0.001	mg/l
POTASSIUM	4.5	mg/l



Formerly: NET Northeast, Inc.

SAMPLE #27446

PAGE 2 OF 3

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
SELENIUM	<0.005	mg/l
SILVER	<0.03	mg/l
SODIUM	44.	mg/l
CHLOROMETHANE	<1.0	ug/l
BROMOMETHANE	<1.0	ug/l
VINYL CHLORIDE	<1.0	ug/l
CHLOROETHANE	<1.0	ug/l
METHYLENE CHLORIDE	<1.0	ug/l
CHLOROBENZENE	<1.0	ug/l
1,1-DICHLOROETHYLENE	<1.0	ug/l
1,1-DICHLOROETHANE	<1.0	ug/l
TRANS-1,2-DICHLOROETHYLENE	<1.0	ug/l
ETHYLBENZENE	<1.0	ug/l
CHLOROFORM	<1.0	ug/l
1,2-DICHLOROETHANE	<1.0	ug/l
1,1,1-TRICHLOROETHANE	<1.0	ug/l
CARBON TETRACHLORIDE	<1.0	ug/l
BROMODICHLOROMETHANE	<1.0	ug/l
1,2-DICHLOROPROPANE	<1.0	ug/l
TRANS-1,3-DICHLOROPROPENE	<1.0	ug/l
TRICHLOROETHYLENE	52.	ug/l
DIBROMOCHLOROMETHANE	<1.0	ug/l
CIS-1,3-DICHLOROPROPENE	<1.0	ug/l
1,1,2-TRICHLOROETHANE	<1.0	ug/l
BENZENE	<1.0	ug/l
2-CHLOROETHYL VINYL ETHER	<1.0	ug/l
BROMOFORM	<1.0	ug/l
TETRACHLOROETHYLENE	<1.0	ug/l
1,1,2,2-TETRACHLOROETHANE	<1.0	ug/l
TOLUENE	<1.0	ug/l
1,2-DICHLOROBENZENE	<1.0	ug/l
1,3-DICHLOROBENZENE	<1.0	ug/l
1,4-DICHLOROBENZENE	<1.0	ug/l



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Formerly: NET Northeast, Inc.

SAMPLE #27446

PAGE 3 OF 3

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
TRICHLOROFLUOROMETHANE	<1.0	ug/l

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NYSDDH -- FI AP #10007

APPROVED BY:

Frank W. Belmont

DATE:

NOV 27 1990



5854 Butternut Drive
 East Syracuse, NY
 13057
 (315) 446-8795

**MONITORING WELL
 SAMPLE CHARACTERIZATION AND
 CHAIN OF CUSTODY SHEET**

LAB SAMPLE LOG NO. 274616 JOB NO. 179,003,00

SOURCE

CLIENT Seneca Army Depot WELL NO. PT-20
 LOCATION LF WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 9/26/90

WELL DEPTH 11.5'
 DEPTH TO WATER 9.2'
 WELL VOLUME .37
 METHOD Manual
 NO. OF VOLUMES 3
 TOTAL VOLUME 1.5 gal

ITEM	START	FINISH
TIME		1300
PH	7	7.15
TEMP.	15°C	-
DEPTH	9.2'	-
COLOR	LT BR	LT BR
APPEAR	LOW Turb	

SAMPLING

DATE 9/27/90 pH 7.15

TIME 1300 TEMP. 15°C
 METHOD PVC Bailer COLOR LT BR
 CONTAINER 6/3-500ml, 2-vids, 1-1gal TURB Low
 SAMPLED BY R. Rodman, J. Santilippo REDOX — | COND 880

PRESERVATION

DATE 9/27/90

FILTERED YES NO TIME _____ BY _____
 PRESERVED YES NO TIME 1300 BY R.R., J.S.
 PRESERVATIVE H₂SO₄ HNO₃ NaOH H₃PO₄+C₂SO₄ Zn(C₂H₃O₂)₂
 HCL SOD. THIO.
 COOLED TO 4 C OTHER _____

CUSTODY

SAMPLERS SIGNATURE R. Rodman
 TRANSFERED TO #1 _____
 RECIEVED BY K. Spren DATE 9/27/90 TIME _____
 #2 _____
 RECIEVED BY _____ DATE _____ TIME _____

FIELD NOTES:



NATIONAL
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NET Atlantic, Inc.
Syracuse Division
5854 Butternut Drive
East Syracuse, NY 13057
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Fax: (315) 449-1611

To: SENECA ARMY DEPOT
BUILDING 323 MAT MGT BR
ROMULUS, NY 14541

Formerly: NET Northeast, Inc.
Date: Nov 27 1990

Attention: COMMANDER

SAMPLE #27447

PAGE 1 OF 3

LABORATORY ANALYSIS REPORT

SAMPLE SUMMARY

CLIENT : SENECA ARMY DEPOT

DATE RECEIVED : 09/27/90

JOB # : 179.005.00

DATE COLLECTED : 09/27/90

LOCATION : PT-22

TIME COLLECTED : 1235

METHOD : GRAB

PARAMETER	RESULTS	UNITS
CHLORIDE	124.	mg/l
CONDUCTANCE (field)	1200.	umhos/cm
NITRATE (as N)	0.04	mg/l
pH	7.3	Standard Units
SULFATE	163.	mg/l
TOC	3.2	mg/l
ARSENIC	<0.020	mg/l
BARIUM	<0.50	mg/l
CADMIUM	<0.01	mg/l
CHROMIUM-T	<0.02	mg/l
IRON	9.9	mg/l
LEAD	<0.020	mg/l
MERCURY	<0.001	mg/l
POTASSIUM	4.6	mg/l



Formerly: NET Northeast, Inc.

SAMPLE #27447

PAGE 2 OF 3

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
SELENIUM	<0.005	mg/l
SILVER	<0.03	mg/l
SODIUM	68.	mg/l
CHLOROMETHANE	<1.0	ug/l
BROMOMETHANE	<1.0	ug/l
VINYL CHLORIDE	<1.0	ug/l
CHLOROETHANE	<1.0	ug/l
METHYLENE CHLORIDE	<1.0	ug/l
CHLOROBENZENE	<1.0	ug/l
1,1-DICHLOROETHYLENE	<1.0	ug/l
1,1-DICHLOROETHANE	<1.0	ug/l
TRANS-1,2-DICHLOROETHYLENE	1.0	ug/l
ETHYLBENZENE	<1.0	ug/l
CHLOROFORM	<1.0	ug/l
1,2-DICHLOROETHANE	8.0	ug/l
1,1,1-TRICHLOROETHANE	<1.0	ug/l
CARBON TETRACHLORIDE	<1.0	ug/l
BROMODICHLOROMETHANE	<1.0	ug/l
1,2-DICHLOROPROPANE	<1.0	ug/l
TRANS-1,3-DICHLOROPROPENE	<1.0	ug/l
TRICHLOROETHYLENE	87.	ug/l
DIBROMOCHLOROMETHANE	<1.0	ug/l
CIS-1,3-DICHLOROPROPENE	<1.0	ug/l
1,1,2-TRICHLOROETHANE	<1.0	ug/l
BENZENE	<1.0	ug/l
2-CHLOROETHYL VINYL ETHER	<1.0	ug/l
BROMOFORM	<1.0	ug/l
TETRACHLOROETHYLENE	<1.0	ug/l
1,1,2,2-TETRACHLOROETHANE	<1.0	ug/l
TOLUENE	<1.0	ug/l
1,2-DICHLOROBENZENE	<1.0	ug/l
1,3-DICHLOROBENZENE	<1.0	ug/l
1,4-DICHLOROBENZENE	<1.0	ug/l



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Fax: (315) 449-1611

Formerly: NET Northeast, Inc.

SAMPLE #27447

PAGE 3 OF 3

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
TRICHLOROFLUOROMETHANE	<1.0	ug/l

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**MONITORING WELL
SAMPLE CHARACTERIZATION AND
CHAIN OF CUSTODY SHEET**

LAB SAMPLE LOG NO. 27447

JOB NO. 174.005.00

SOURCE

CLIENT Seneca Army Depot

WELL NO. PT-22

LOCATION LF

WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 9/26/90

WELL DEPTH 11.5'

DEPTH TO WATER 10.4'

WELL VOLUME .18

METHOD Manual

NO. OF VOLUMES 3

TOTAL VOLUME .75 gal.

ITEM	START	FINISH
TIME		1235
pH	7	7.25
TEMP.	14°C	-
DEPTH	10.4'	-
COLOR	LT BR	LT BR
APPEAR	Med Turb	

SAMPLING

DATE 9/27/90

pH 7.25

TIME 1235

TEMP. 14°C

METHOD PVC Bailer

COLOR LT BR

* CONTAINER 6/3-500ml, 2-vials, 1-1/2gal

TURB Med

SAMPLED BY R. Ridman, J. Sanfilippo

REDOX - | COND 1200

PRESERVATION

DATE 9/27/90

FILTERED YES NO

TIME _____ BY _____

PRESERVED YES NO

TIME 1235 BY R. R., J. S.

PRESERVATIVE H₂SO₄ HNO₃ NaOH H₃PO₄+C₂SO₄ Zn(C₂H₃O₂)₂
 HCL SOD. THIO.
 COOLED TO 4 C OTHER _____

CUSTODY

SAMPLERS SIGNATURE R. Ridman

TRANSFERED TO #1

RECEIVED BY X. Speer DATE 9/27/90 TIME _____

#2
 RECEIVED BY _____ DATE _____ TIME _____

FIELD NOTES:

* 1-500ml (HNO₃) collected 9/28/90



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Fax: (315) 449-1611

To: SENECA ARMY DEPOT
BUILDING 323 MAT MGT BR
ROMULUS, NY 14541

Formerly: NET Northeast, Inc.
Date: Nov 27 1990

Attention: COMMANDER

SAMPLE #27448

PAGE 1 OF 3

LABORATORY ANALYSIS REPORT

SAMPLE SUMMARY

CLIENT : SENECA ARMY DEPOT

DATE RECEIVED : 09/27/90

JOB # : 179.005.00

DATE COLLECTED : 09/27/90

LOCATION : PT-23

TIME COLLECTED : 1200

METHOD : GRAB

PARAMETER	RESULTS	UNITS
CHLORIDE	14.5	mg/l
CONDUCTANCE (field)	500.	umhos/cm
NITRATE (as N)	0.06	mg/l
pH	7.3	Standard Units
SULFATE	49.	mg/l
TOC	<3.0	mg/l
ARSENIC	<0.020	mg/l
BARIUM	<0.50	mg/l
CADMIUM	<0.01	mg/l
CHROMIUM-T	<0.02	mg/l
IRON	16.	mg/l
LEAD	<0.020	mg/l
MERCURY	<0.001	mg/l
POTASSIUM	5.4	mg/l



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SAMPLE #27448

PAGE 2 OF 3

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
SELENIUM	<0.005	mg/l
SILVER	<0.03	mg/l
SODIUM	5.1	mg/l
CHLORDMETHANE	<1.0	ug/l
BROMOMETHANE	<1.0	ug/l
VINYL CHLORIDE	<1.0	ug/l
CHLOROETHANE	<1.0	ug/l
METHYLENE CHLORIDE	<1.0	ug/l
CHLOROENZENE	<1.0	ug/l
1,1-DICHLOROETHYLENE	<1.0	ug/l
1,1-DICHLOROETHANE	<1.0	ug/l
TRANS-1,2-DICHLOROETHYLENE	<1.0	ug/l
ETHYLBENZENE	<1.0	ug/l
CHLOROFORM	<1.0	ug/l
1,2-DICHLOROETHANE	<1.0	ug/l
1,1,1-TRICHLOROETHANE	<1.0	ug/l
CARBON TETRACHLORIDE	<1.0	ug/l
BROMODICHLOROMETHANE	<1.0	ug/l
1,2-DICHLOROPROPANE	<1.0	ug/l
TRANS-1,3-DICHLOROPROPENE	<1.0	ug/l
TRICHLOROETHYLENE	<1.0	ug/l
DIBROMOCHLOROMETHANE	<1.0	ug/l
CIS-1,3-DICHLOROPROPENE	<1.0	ug/l
1,1,2-TRICHLOROETHANE	<1.0	ug/l
BENZENE	<1.0	ug/l
2-CHLOROETHYL VINYL ETHER	<1.0	ug/l
BROMOFORM	<1.0	ug/l
TETRACHLOROETHYLENE	<1.0	ug/l
1,1,2,2-TETRACHLOROETHANE	<1.0	ug/l
TOLUENE	<1.0	ug/l
1,2 DICHLOROBENZENE	<1.0	ug/l
1,3 DICHLOROBENZENE	<1.0	ug/l
1,4 DICHLOROBENZENE	<1.0	ug/l



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SAMPLE #27440

PAGE 3 OF 3

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
TRICHLOROFLUOROMETHANE	<1.0	ug/l

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**MONITORING WELL
SAMPLE CHARACTERIZATION AND
CHAIN OF CUSTODY SHEET**

(315) 446-8795

LAB SAMPLE LOG NO. 27448 JOB NO. 179,005.00

SOURCE	
CLIENT <u>Seneca Army Depot</u>	WELL NO. <u>PT-23</u>
LOCATION <u>LF</u>	WELL TYPE/SIZE <u>2" PVC</u>

EVACUATION		DATE <u>9/26/90</u>	
WELL DEPTH <u>12'</u>	ITEM	START	FINISH
DEPTH TO WATER <u>7.95'</u>	TIME		<u>1200</u>
WELL VOLUME <u>.65</u>	PH	<u>7</u>	<u>7:30</u>
METHOD <u>Manual</u>	TEMP.	<u>14°C</u>	<u>-</u>
NO. OF VOLUMES <u>4</u>	DEPTH	<u>7.95'</u>	<u>-</u>
TOTAL VOLUME <u>3 gal.</u>	COLOR	<u>DK GY</u>	<u>DK GY</u>
	APPEAR	<u>High Turb</u>	

SAMPLING		DATE <u>9/27/90</u>	pH <u>7.30</u>
TIME <u>1200</u>	TEMP.	<u>14°C</u>	
METHOD <u>PVC Bailer</u>	COLOR	<u>DK GY</u>	
CONTAINER <u>6/3-500ml, 2-vials, 1-1/2 gal</u>	TURB	<u>High</u>	
SAMPLED BY <u>R. Rodman, J. SanFilippo</u>	REDOX	<u>-</u>	COND <u>500</u>

PRESERVATION		DATE <u>9/27/90</u>
FILTERED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	TIME	BY
PRESERVED YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	TIME <u>1200</u>	BY <u>R.R., J.S.</u>
PRESERVATIVE	<input checked="" type="checkbox"/> H ₂ SO ₄ <input checked="" type="checkbox"/> HNO ₃ <input type="checkbox"/> NaOH <input type="checkbox"/> H ₃ PO ₄ +C ₂ SO ₄ <input type="checkbox"/> Zn(C ₂ H ₃ O ₂) ₂ <input checked="" type="checkbox"/> HCL <input type="checkbox"/> SOD. THIO. <input checked="" type="checkbox"/> COOLED TO 4 C <input type="checkbox"/> OTHER _____	

CUSTODY	
SAMPLERS SIGNATURE <u>Ron J. Rodman</u>	
TRANSFERED TO #1	RECEIVED BY <u>R. Speck</u> DATE <u>9/27/90</u> TIME _____
#2	RECEIVED BY _____ DATE _____ TIME _____

FIELD NOTES:	
---------------------	--



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Fax: (315) 449-1611

To: SENECA ARMY DEPOT
BUILDING 323 MAT MGT BR
ROMULUS, NY 14541

Formerly: NET Northeast, Inc.
Date: Nov 27 1990

Attention: COMMANDER

SAMPLE #27449

PAGE 1 OF 3

LABORATORY ANALYSIS REPORT

SAMPLE SUMMARY

CLIENT : SENECA ARMY DEPOT

DATE RECEIVED : 09/27/90

JOB # : 179.005.00

DATE COLLECTED : 09/27/90

LOCATION : PT-25

TIME COLLECTED : 1145

METHOD : GRAB

PARAMETER	RESULTS	UNITS
CHLORIDE	21.2	mg/l
CONDUCTANCE (field)	490.	umhos/cm
NITRATE (as N)	2.4	mg/l
pH	7.1	Standard Units
SULFATE	50.	mg/l
TOC	<3.0	mg/l
ARSENIC	<0.020	mg/l
BARIUM	<0.50	mg/l
CADMIUM	<0.01	mg/l
CHROMIUM-T	<0.02	mg/l
IRON	7.5	mg/l
LEAD	<0.020	mg/l
MERCURY	<0.001	mg/l
POTASSIUM	4.0	mg/l



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SAMPLE #27449

PAGE 2 OF 3

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
SELENIUM	<0.005	mg/l
SILVER	<0.03	mg/l
SODIUM	17.	mg/l
CHLOROMETHANE	<1.0	ug/l
BROMOMETHANE	<1.0	ug/l
VINYL CHLORIDE	<1.0	ug/l
CHLOROETHANE	<1.0	ug/l
METHYLENE CHLORIDE	<1.0	ug/l
CHLOROBENZENE	<1.0	ug/l
1,1-DICHLOROETHYLENE	<1.0	ug/l
1,1-DICHLOROETHANE	<1.0	ug/l
TRANS-1,2-DICHLOROETHYLENE	<1.0	ug/l
ETHYL BENZENE	<1.0	ug/l
CHLOROFORM	<1.0	ug/l
1,2-DICHLOROETHANE	<1.0	ug/l
1,1,1-TRICHLOROETHANE	<1.0	ug/l
CARBON TETRACHLORIDE	<1.0	ug/l
BROMODICHLOROMETHANE	<1.0	ug/l
1,2-DICHLOROPROPANE	<1.0	ug/l
TRANS-1,3-DICHLOROPROPENE	<1.0	ug/l
TRICHLOROETHYLENE	<1.0	ug/l
DIBROMODICHLOROMETHANE	<1.0	ug/l
CIS-1,3-DICHLOROPROPENE	<1.0	ug/l
1,1,2-TRICHLOROETHANE	<1.0	ug/l
BENZENE	<1.0	ug/l
2-CHLOROETHYL VINYL ETHER	<1.0	ug/l
BROMOFORM	<1.0	ug/l
TETRACHLOROETHYLENE	<1.0	ug/l
1,1,2,2-TETRACHLOROETHANE	<1.0	ug/l
TOLUENE	<1.0	ug/l
1,2-DICHLOROBENZENE	<1.0	ug/l
1,3-DICHLOROBENZENE	<1.0	ug/l
1,4-DICHLOROBENZENE	<1.0	ug/l



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SAMPLE #27449

PAGE 3 OF 3

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
TRICHLOROFLUOROMETHANE	<1.0	ug/l

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**MONITORING WELL
 SAMPLE CHARACTERIZATION AND
 CHAIN OF CUSTODY SHEET**

LAB SAMPLE LOG NO. 37449

JOB NO. 179.005.00

SOURCE

CLIENT Seneca Army Depot

WELL NO. PT-25

LOCATION LF

WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 9/26/90

WELL DEPTH 12'
 DEPTH TO WATER 10.45'
 WELL VOLUME .25
 METHOD Manual
 NO. OF VOLUMES 4
 TOTAL VOLUME 1 gal

ITEM	START	FINISH
TIME		1145
pH	7	7.20
TEMP.	15°C	-
DEPTH	10.45'	-
COLOR	DK GY	DK GY
APPEAR	High Turb	

SAMPLING

DATE 9/27/90

pH 7.20

TIME 1145 TEMP. 15°C
 METHOD PVC Bailor COLOR DK GY
 CONTAINER 6/3-500ml, 2-vials, 1-1gal TURB High
 SAMPLED BY R. Radman, J. Santilippo REDOX - | COND 490

PRESERVATION

DATE 9/27/90

FILTERED YES NO TIME _____ BY _____
 PRESERVED YES NO TIME 1145 BY R.R., J.S.
 PRESERVATIVE H₂SO₄ HNO₃ NaOH H₃PO₄+C₂SO₄ Zn(C₂H₃O₂)₂
 HCL SOD. THIO.
 COOLED TO 4 C OTHER _____

CUSTODY

SAMPLERS SIGNATURE Ron J. Radman
 TRANSFERRED TO #1 _____
 RECEIVED BY R. Speer DATE 9/27/90 TIME _____
 #2 _____
 RECEIVED BY _____ DATE _____ TIME _____

FIELD NOTES:



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Fax: (315) 449-1611

Formerly: NET Northeast, Inc.

To: SENECA ARMY DEPOT
BUILDING 323 MAT MGT BR
ROMULUS, NY 14541

Date: Nov 27 1990

Attention: COMMANDER

SAMPLE #27552

PAGE 1 OF 3

LABORATORY ANALYSIS REPORT

SAMPLE SUMMARY

CLIENT	: SENECA ARMY DEPOT	DATE RECEIVED	: 09/28/90
JOB #	: 179.005.00	DATE COLLECTED	: 09/27/90
LOCATION	: PT-21	TIME COLLECTED	: 1245
METHOD	: GRAB		

PARAMETER	RESULTS	UNITS
CHLORIDE	74.2	mg/l
CONDUCTANCE (field)	750.	umhos/cm
NITRATE (as N)	0.60	mg/l
pH	7.7	Standard Units
SULFATE	136.	mg/l
TOC	6.6	mg/l
ARSENIC	<0.020	mg/l
BARIUM	1.1	mg/l
CADMIUM	<0.01	mg/l
CHROMIUM-T	0.08	mg/l
IRON	85.	mg/l
LEAD	0.027	mg/l
MERCURY	<0.001	mg/l
POTASSIUM	9.5	mg/l



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SAMPLE #27552

PAGE 2 OF 3

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
SELENIUM	<0.005	mg/l
SILVER	<0.03	mg/l
SODIUM	32.	mg/l
CHLOROMETHANE	<1.0	ug/l
BROMOMETHANE	<1.0	ug/l
VINYL CHLORIDE	<1.0	ug/l
CHLOROETHANE	<1.0	ug/l
METHYLENE CHLORIDE	<1.0	ug/l
CHLOROBENZENE	<1.0	ug/l
1,1-DICHLOROETHYLENE	<1.0	ug/l
1,1-DICHLOROETHANE	<1.0	ug/l
TRANS-1,2-DICHLOROETHYLENE	<1.0	ug/l
ETHYLBENZENE	<1.0	ug/l
CHLOROFORM	<1.0	ug/l
1,2-DICHLOROETHANE	<1.0	ug/l
1,1,1-TRICHLOROETHANE	<1.0	ug/l
CARBON TETRACHLORIDE	<1.0	ug/l
BROMODICHLOROMETHANE	<1.0	ug/l
1,2-DICHLOROPROPANE	<1.0	ug/l
TRANS-1,3-DICHLOROPROPENE	<1.0	ug/l
TRICHLOROETHYLENE	1.0	ug/l
DIBROMOCHLOROMETHANE	<1.0	ug/l
CIS-1,3-DICHLOROPROPENE	<1.0	ug/l
1,1,2-TRICHLOROETHANE	<1.0	ug/l
BENZENE	<1.0	ug/l
2-CHLOROETHYL VINYL ETHER	<1.0	ug/l
BROMOFORM	<1.0	ug/l
TETRACHLOROETHYLENE	<1.0	ug/l
1,1,2,2-TETRACHLOROETHANE	<1.0	ug/l
TOLUENE	<1.0	ug/l
1,2 DICHLOROBENZENE	<1.0	ug/l
1,3 DICHLOROBENZENE	<1.0	ug/l
1,4 DICHLOROBENZENE	<1.0	ug/l



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SAMPLE #27552

PAGE 3 OF 3

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
TRICHLOROFLUOROMETHANE	<1.0	ug/l

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**MONITORING WELL
 SAMPLE CHARACTERIZATION AND
 CHAIN OF CUSTODY SHEET**

LAB SAMPLE LOG NO. 27552 JOB NO. 179.005.00

SOURCE

CLIENT Seneca Army Depot WELL NO. PT-21
 LOCATION LF WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 9/26/90

WELL DEPTH 19.2'
 DEPTH TO WATER 9.25'
 WELL VOLUME 1.59
 METHOD Manual
 NO. OF VOLUMES 3
 TOTAL VOLUME 5 gal.

ITEM	START	FINISH
TIME		1245
pH	7	7.45
TEMP.	14°C	-
DEPTH	9.25'	-
COLOR	DK GY	DK GY
APPEAR	High Turb	

SAMPLING

DATE 9/27/90 pH 7.45

TIME 1245 TEMP. 14°C
 METHOD PVC Bailor COLOR DK GY
 * CONTAINER 5/3-500 mL, 2-vials TURB High
 SAMPLED BY R. Rodman, J. Santilippo REDOX - | COND 750

PRESERVATION

DATE 9/27/90

FILTERED YES NO TIME BY
 PRESERVED YES NO TIME 1245 BY R. Rodman
 PRESERVATIVE H₂SO₄ HNO₃ NaOH H₃PO₄+C₂SO₄ Zn(C₂H₃O₂)₂
 HCL SOD. THIO.
 COOLED TO 4 C OTHER

CUSTODY

SAMPLERS SIGNATURE R. Rodman
 TRANSFERED TO #1
 RECEIVED BY K. Speck DATE 9/28/90 TIME
 #2
 RECEIVED BY DATE TIME

FIELD NOTES:

Only collected 1-500 mL (HNO₃)
* 1-500 mL collected 9/28/90



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To: SENECA ARMY DEPOT
BUILDING 323 MAT MGT BR
ROMULUS, NY 14541

Date: Nov 27 1990

Attention: COMMANDER

SAMPLE #27553

PAGE 1 OF 3

LABORATORY ANALYSIS REPORT

SAMPLE SUMMARY

CLIENT	: SENECA ARMY DEPOT	DATE RECEIVED	: 09/28/90
JOB #	: 179.005.00	DATE COLLECTED	: 09/28/90
LOCATION	: PT-26	TIME COLLECTED	: 1120
METHOD	: GRAB		

PARAMETER	RESULTS	UNITS
CHLORIDE	29.9	mg/l
CONDUCTANCE (field)	560.	umhos/cm
NITRATE (as N)	0.35	mg/l
pH	7.5	Standard Units
SULFATE	80.	mg/l
TOC	8.8	mg/l
ARSENIC	<0.020	mg/l
BARIUM	<0.50	mg/l
CADMIUM	<0.01	mg/l
CHROMIUM-T	<0.02	mg/l
IRON	10.	mg/l
LEAD	<0.020	mg/l
MERCURY	<0.001	mg/l
POTASSIUM	4.0	mg/l



SAMPLE #27553

PAGE 2 OF 3

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
SELENIUM	<0.005	mg/l
SILVER	<0.03	mg/l
SODIUM	67.	mg/l
CHLOROMETHANE	<1.0	ug/l
BROMOMETHANE	<1.0	ug/l
VINYL CHLORIDE	<1.0	ug/l
CHLOROETHANE	<1.0	ug/l
METHYLENE CHLORIDE	<1.0	ug/l
CHLOROENZENE	<1.0	ug/l
1,1-DICHLOROETHYLENE	<1.0	ug/l
1,1-DICHLOROETHANE	<1.0	ug/l
TRANS-1,2-DICHLOROETHYLENE	<1.0	ug/l
ETHYLBENZENE	<1.0	ug/l
CHLOROFORM	<1.0	ug/l
1,2-DICHLOROETHANE	<1.0	ug/l
1,1,1-TRICHLOROETHANE	<1.0	ug/l
CARBON TETRACHLORIDE	<1.0	ug/l
BROMODICHLOROMETHANE	<1.0	ug/l
1,2-DICHLOROPROPANE	<1.0	ug/l
TRANS-1,3-DICHLOROPROPENE	<1.0	ug/l
TRICHLOROETHYLENE	<1.0	ug/l
DIBROMOCHLOROMETHANE	<1.0	ug/l
CIS-1,3-DICHLOROPROPENE	<1.0	ug/l
1,1,2-TRICHLOROETHANE	<1.0	ug/l
BENZENE	<1.0	ug/l
2-CHLOROETHYLVINYL ETHER	<1.0	ug/l
BROMOFORM	<1.0	ug/l
TETRACHLOROETHYLENE	<1.0	ug/l
1,1,2,2-TETRACHLOROETHANE	<1.0	ug/l
TOLUENE	<1.0	ug/l
1,2 DICHLOROENZENE	<1.0	ug/l
1,3 DICHLOROENZENE	<1.0	ug/l
1,4 DICHLOROENZENE	<1.0	ug/l



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Formerly: NET Northeast, Inc.

SAMPLE #27553

PAGE 3 OF 3

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
TRICHLOROFLUOROMETHANE	<1.0	ug/l

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**MONITORING WELL
 SAMPLE CHARACTERIZATION AND
 CHAIN OF CUSTODY SHEET**

LAB SAMPLE LOG NO. 27553 JOB NO. 179,005,00

SOURCE

CLIENT Seneca Army Depot WELL NO. PT-26
 LOCATION LF WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 9/27/90

WELL DEPTH 14'
 DEPTH TO WATER 10.75'
 WELL VOLUME .52
 METHOD Manual
 NO. OF VOLUMES 3
 TOTAL VOLUME 2 gal

ITEM	START	FINISH
TIME		1120
PH	7	7.30
TEMP.	15°C	-
DEPTH	10.75'	-
COLOR	DK 6Y	DK 6Y
APPEAR	High Turb	

SAMPLING

DATE 9/28/90 pH 7.30

TIME 1120 TEMP. 15°C
 METHOD PVC Bailer COLOR DK 6Y
 CONTAINER 6/3-500mc, 2-vials, 1-Yeal TURB High
 SAMPLED BY R. Redman REDOX — | COND 560

PRESERVATION

DATE 9/28/90

FILTERED YES NO TIME _____ BY _____
 PRESERVED YES NO TIME 1120 BY R.R.
 PRESERVATIVE H₂SO₄ HNO₃ NaOH H₃PO₄+C₂SO₄ Zn(C₂H₃O₂)₂
 HCL SOD. THIO.
 COOLED TO 4 C OTHER _____

CUSTODY

SAMPLERS SIGNATURE R. Redman
 TRANSFERRED TO #1 _____
 RECIEVED BY K. Speck DATE 9/28/90 TIME _____
 #2 _____
 RECIEVED BY _____ DATE _____ TIME _____

FIELD NOTES:



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NET Atlantic, Inc.
Syracuse Division
5854 Butternut Drive
East Syracuse, NY 13057
Tel: (315) 446-8795
Fax: (315) 449-1611

Formerly: NET Northeast, Inc.

To: SENECA ARMY DEPOT
BUILDING 323 MAT MGT BR
ROMULUS, NY 14541

Date: Nov 27 1990

Attention: COMMANDER

SAMPLE #27554

PAGE 1 OF 3

LABORATORY ANALYSIS REPORT

SAMPLE SUMMARY

CLIENT : SENECA ARMY DEPOT DATE RECEIVED : 09/28/90
 JOB # : 179.005.00 DATE COLLECTED : 09/28/90
 LOCATION : FARM HOUSE DEEP WELL TIME COLLECTED : 1150
 METHOD : GRAB

PARAMETER	RESULTS	UNITS
CHLORIDE	14.5	mg/l
CONDUCTANCE (field)	620.	umhos/cm
NITRATE (as N)	0.11	mg/l
pH	8.6	Standard Units
SULFATE	42.	mg/l
TOC	<3.0	mg/l
ARSENIC	<0.020	mg/l
BARIUM	<0.50	mg/l
CADMIUM	<0.01	mg/l
CHROMIUM-T	<0.02	mg/l
IRON	0.40	mg/l
LEAD	<0.020	mg/l
MERCURY	<0.001	mg/l
POTASSIUM	1.6	mg/l



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SAMPLE #27554

PAGE 2 OF 3

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
SELENIUM	<0.005	mg/l
SILVER	<0.03	mg/l
SODIUM	150.	mg/l
CHLOROMETHANE	<1.0	ug/l
BROMOMETHANE	<1.0	ug/l
VINYL CHLORIDE	<1.0	ug/l
CHLOROETHANE	<1.0	ug/l
METHYLENE CHLORIDE	<1.0	ug/l
CHLORO BENZENE	<1.0	ug/l
1,1-DICHLOROETHYLENE	<1.0	ug/l
1,1-DICHLOROETHANE	<1.0	ug/l
TRANS-1,2-DICHLOROETHYLENE	<1.0	ug/l
ETHYLBENZENE	<1.0	ug/l
CHLOROFORM	<1.0	ug/l
1,2-DICHLOROETHANE	<1.0	ug/l
1,1,1-TRICHLOROETHANE	<1.0	ug/l
CARBON TETRACHLORIDE	<1.0	ug/l
BROMODICHLOROMETHANE	<1.0	ug/l
1,2-DICHLOROPROPANE	<1.0	ug/l
TRANS-1,3-DICHLOROPROPENE	<1.0	ug/l
TRICHLOROETHYLENE	<1.0	ug/l
DIBROMOCHLOROMETHANE	<1.0	ug/l
CIS-1,3-DICHLOROPROPENE	<1.0	ug/l
1,1,2-TRICHLOROETHANE	<1.0	ug/l
BENZENE	<1.0	ug/l
2-CHLOROETHYL VINYL ETHER	<1.0	ug/l
BROMOFORM	<1.0	ug/l
TETRACHLOROETHYLENE	<1.0	ug/l
1,1,2,2-TETRACHLOROETHANE	<1.0	ug/l
TOLUENE	<1.0	ug/l
1,2 DICHLORO BENZENE	<1.0	ug/l
1,3 DICHLORO BENZENE	<1.0	ug/l
1,4 DICHLORO BENZENE	<1.0	ug/l



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PAGE 3 OF 3

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
TRICHLOROFLUOROMETHANE	<1.0	ug/l

warrants that any sampling and analyses conducted as part of this report are performed in accordance with the analytical industries recognized methodologies and professional standards. NET will not assume liability for any damages resulting from deficient work other than reperformance or cost of said work and will not accept any liability as a result of data interpretation by the client.



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SAMPLE CHARACTERIZATION/CHAIN OF CUSTODY INFORMATION

CLIENT Seneca Army Depot CLIENT # 179,005,00
 CLIENT CONTACT M. Paprocki PHONE () _____
 P.O. # _____ LOG # 2-1554

SAMPLING:
 SAMPLE ID: FH-D (Farm house - Deep well) LOCATION: Seneca Army Depot
 SAMPLE TYPE: _____ SOIL _____ WATER OIL _____ SEDIMENT _____ WIPE
 OTHER _____
 COLLECTION METHOD: _____ 24HR COMPOSITE _____ MANUAL GRAB _____ WIPE
 _____ FLOW COMPOSITE _____ OTHER _____
COMPOSITE:
 SET: DATE _____ TIME _____ BY _____
 PICKED UP: DATE _____ TIME _____ BY _____
 MANUAL GRAB: DATE 9/28/90 TIME 1150 BY R. Rodman
 FLOW: _____ UNITS: _____ GPM _____ GPD _____ MGD

PRESERVATION:
 DATE 7/28/90 TIME 1150 BY R.R.
 PRESERVATIVE: H₂SO₄ HNO₃ _____ NaOH HCl _____ Na₂S₂O₃
 COOLED TO 4 DEGREES CELSIUS _____ TEFLON LINER
 OTHER _____

CONTAINERS:
6/3-500 mL, 2-vials, 1-1/2 gal

NOTES:
Ph - 8.30, Cond - 620

CUSTODY:
 COLLECTED BY: Ron J. Rodman DATE: 9/28/90
 DELIVERED BY: Ron J. Rodman DATE: 9/28/90 TIME: 1530
 RECEIVED BY: K. Speer DATE: 9/28/90 TIME: _____
 LOGGED IN BY: _____ DATE: _____ TIME: _____



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Formerly: NET Northeast, Inc.

To: SENECA ARMY DEPOT
BUILDING 323 MAT MGT BR
ROMULUS, NY 14541

Date: Nov 27 1990

Attention: COMMANDER

SAMPLE #27555

PAGE 1 OF 3

LABORATORY ANALYSIS REPORT

SAMPLE SUMMARY

CLIENT : SENECA ARMY DEPOT DATE RECEIVED : 09/28/90
JOB # : 179.005.00 DATE COLLECTED : 09/28/90
LOCATION : FARM HOUSE SHALLOW WELL TIME COLLECTED : 1140
METHOD : GRAB

PARAMETER	RESULTS	UNITS
CHLORIDE	11.6	mg/l
CONDUCTANCE (field)	550.	umhos/cm
NITRATE (as N)	2.1	mg/l
pH	7.3	Standard Units
SULFATE	38.5	mg/l
TOC	5.2	mg/l
ARSENIC	<0.020	mg/l
BARIUM	<0.50	mg/l
CADMIUM	<0.01	mg/l
CHROMIUM-T	<0.02	mg/l
IRON	<0.05	mg/l
LEAD	<0.020	mg/l
MERCURY	<0.001	mg/l
POTASSIUM	8.0	mg/l



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SAMPLE #27555

PAGE 2 OF 3

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
SELENIUM	<0.005	mg/l
SILVER	<0.03	mg/l
SODIUM	36.	mg/l
CHLOROMETHANE	<1.0	ug/l
BROMOMETHANE	<1.0	ug/l
VINYL CHLORIDE	<1.0	ug/l
CHLOROETHANE	<1.0	ug/l
METHYLENE CHLORIDE	<1.0	ug/l
CHLORO BENZENE	<1.0	ug/l
1,1-DICHLOROETHYLENE	<1.0	ug/l
1,1-DICHLOROETHANE	<1.0	ug/l
TRANS-1,2-DICHLOROETHYLENE	<1.0	ug/l
ETHYLBENZENE	<1.0	ug/l
CHLOROFORM	<1.0	ug/l
1,2-DICHLOROETHANE	<1.0	ug/l
1,1,1-TRICHLOROETHANE	<1.0	ug/l
CARBON TETRACHLORIDE	<1.0	ug/l
BROMODICHLOROMETHANE	<1.0	ug/l
1,2-DICHLOROPROPANE	<1.0	ug/l
TRANS-1,3-DICHLOROPROPENE	<1.0	ug/l
TRICHLOROETHYLENE	<1.0	ug/l
DIBROMOCHLOROMETHANE	<1.0	ug/l
CIS-1,3-DICHLOROPROPENE	<1.0	ug/l
1,1,2-TRICHLOROETHANE	<1.0	ug/l
BENZENE	<1.0	ug/l
2-CHLOROETHYL VINYL ETHER	<1.0	ug/l
BROMOFORM	<1.0	ug/l
TETRACHLOROETHYLENE	<1.0	ug/l
1,1,2,2-TETRACHLOROETHANE	<1.0	ug/l
TOLUENE	<1.0	ug/l
1,2 DICHLORO BENZENE	<1.0	ug/l
1,3 DICHLORO BENZENE	<1.0	ug/l
1,4 DICHLORO BENZENE	<1.0	ug/l



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SAMPLE #27555

PAGE 3 OF 3

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
TRICHLOROFLUOROMETHANE	<1.0	ug/l

I warrants that any sampling and analyses conducted as part of this report are performed in accordance with the analytical industries recognized methodologies and professional standards. NET will not assume liability for any damages resulting from deficient work other than reperformance or cost of said work and will not accept any liability as a result of data interpretation by the client.

NYSDOH - ELAP #10067

APPROVED BY: *Paul W. Galant* DATE: NOV 27 1990



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SAMPLE CHARACTERIZATION/CHAIN OF CUSTODY INFORMATION

CLIENT Seneca Army Depot CLIENT # 179,005,00
 CLIENT CONTACT M. Paprocki PHONE (2) 27555
 P.O. # _____ LOG # _____

SAMPLING:

SAMPLE ID: FH-S (Farm house shallow well) LOCATION: Seneca Army Depot
 SAMPLE TYPE: _____ SOIL _____ WATER _____ OIL _____ SEDIMENT _____ WIPE
 OTHER _____

COLLECTION METHOD: _____ 24HR COMPOSITE _____ MANUAL GRAB _____ WIPE
 _____ FLOW COMPOSITE _____ OTHER _____

COMPOSITE:

SET:	DATE _____	TIME _____	BY _____
PICKED UP:	DATE _____	TIME _____	BY _____
MANUAL GRAB:	DATE <u>9/28/90</u>	TIME <u>1140</u>	BY <u>R. Rodman</u>
FLOW:	_____	UNITS: _____ GPM _____ GPD _____ MGD	

PRESERVATION:

DATE 9/28/90 TIME 1140 BY R.R.
 PRESERVATIVE: H₂SO₄ HNO₃ _____ NaOH HCl _____ Na₂S₂O₃
 COOLED TO 4 DEGREES CELSIUS _____ TEFLON LINER
 OTHER _____

CONTAINERS:

6/3-500 ml, 2-vials, 1- 1/2 gal

NOTES:

Ph - 7.35, Cond - 550

CUSTODY:

COLLECTED BY: <u>Ron J. Rodman</u>	DATE: <u>9/28/90</u>
DELIVERED BY: <u>Ron J. Rodman</u>	DATE: <u>9/28/90</u> TIME: <u>1530</u>
RECEIVED BY: <u>K. Speer</u>	DATE: <u>9/28/90</u> TIME: _____
LOGGED IN BY: _____	DATE: _____ TIME: _____



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Formerly: NET Northeast, Inc.

To: SENECA ARMY DEPOT
BUILDING 323 MAT MGT BR
ROMULUS, NY 14541

Date: Nov 27 1990

Attention: COMMANDER

SAMPLE #27556

PAGE 1 OF 3

LABORATORY ANALYSIS REPORT

SAMPLE SUMMARY

CLIENT : SENECA ARMY DEPOT DATE RECEIVED : 09/28/90
JOB # : 179.005.00 DATE COLLECTED : 09/28/90
LOCATION : BARN WELL TIME COLLECTED : 1205
METHOD : GRAB

PARAMETER	RESULTS	UNITS
CHLORIDE	22.2	mg/l
CONDUCTANCE (field)	660.	umhos/cm
NITRATE (as N)	5.4	mg/l
pH	7.5	Standard Units
SULFATE	84.2	mg/l
TOC	3.8	mg/l
ARSENIC	<0.020	mg/l
BARIUM	<0.50	mg/l
CADMIUM	<0.01	mg/l
CHROMIUM-T	<0.02	mg/l
IRON	0.11	mg/l
LEAD	<0.020	mg/l
MERCURY	<0.001	mg/l
POTASSIUM	4.2	mg/l



SAMPLE #27556

PAGE 2 OF 3

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
SELENIUM	<0.005	mg/l
SILVER	<0.03	mg/l
SODIUM	5.0	mg/l
CHLOROMETHANE	<1.0	ug/l
BROMOMETHANE	<1.0	ug/l
VINYL CHLORIDE	<1.0	ug/l
CHLOROETHANE	<1.0	ug/l
METHYLENE CHLORIDE	<1.0	ug/l
CHLORO BENZENE	<1.0	ug/l
1,1-DICHLOROETHYLENE	<1.0	ug/l
1,1-DICHLOROETHANE	<1.0	ug/l
TRANS-1,2-DICHLOROETHYLENE	<1.0	ug/l
ETHYLBENZENE	<1.0	ug/l
CHLOROFORM	<1.0	ug/l
1,2-DICHLOROETHANE	<1.0	ug/l
1,1,1-TRICHLOROETHANE	<1.0	ug/l
CARBON TETRACHLORIDE	<1.0	ug/l
BROMODICHLOROMETHANE	<1.0	ug/l
1,2-DICHLOROPROPANE	<1.0	ug/l
TRANS-1,3-DICHLOROPROPENE	<1.0	ug/l
TRICHLOROETHYLENE	<1.0	ug/l
DIBROMOCHLOROMETHANE	<1.0	ug/l
CIS-1,3-DICHLOROPROPENE	<1.0	ug/l
1,1,2-TRICHLOROETHANE	<1.0	ug/l
BENZENE	<1.0	ug/l
2-CHLOROETHYL VINYL ETHER	<1.0	ug/l
BROMOFORM	<1.0	ug/l
TETRACHLOROETHYLENE	<1.0	ug/l
1,1,2,2-TETRACHLOROETHANE	<1.0	ug/l
TOLUENE	<1.0	ug/l
1,2 DICHLORO BENZENE	<1.0	ug/l
1,3 DICHLORO BENZENE	<1.0	ug/l
1,4 DICHLORO BENZENE	<1.0	ug/l



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SAMPLE #27556

PAGE 3 OF 3

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
TRICHLOROFLUOROMETHANE	<1.0	ug/l

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NYSDOH - ELAP #10067

APPROVED BY: *Paul W. Belmont* DATE: NOV 27 1990



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SAMPLE CHARACTERIZATION/CHAIN OF CUSTODY INFORMATION

CLIENT Seneca Army Depot CLIENT # 179,005,00
 CLIENT CONTACT M. Paprocki PHONE () _____
 P.O. # _____ LOG # 27536

SAMPLING:
 SAMPLE ID: BW (Bara Well) LOCATION: Seneca Army Depot
 SAMPLE TYPE: _____ SOIL WATER _____ OIL _____ SEDIMENT _____ WIPE
 OTHER _____
 COLLECTION METHOD: _____ 24HR COMPOSITE MANUAL GRAB _____ WIPE
 _____ FLOW COMPOSITE OTHER _____
 COMPOSITE:
 SET: DATE _____ TIME _____ BY _____
 PICKED UP: DATE _____ TIME _____ BY _____
 MANUAL GRAB: DATE 9/28/90 TIME 1205 BY R. Rodman
 FLOW: _____ UNITS: _____ GPM _____ GPD _____ MGD

PRESERVATION:
 DATE 9/28/90 TIME 1205 BY R.R.
 PRESERVATIVE: H₂SO₄ HNO₃ _____ NaOH HCl _____ Na₂S₂O₃
 COOLED TO 4 DEGREES CELSIUS _____ TEFLON LINER
 OTHER _____

CONTAINERS:
6/3-500 mL, 2-vials, 1- 1/2 gal

NOTES:
Ph - 7.30, Cond. - 660

CUSTODY:
 COLLECTED BY: R. J. Rodman DATE: 9/28/90
 DELIVERED BY: R. J. Rodman DATE: 9/28/90 TIME: 1530
 RECEIVED BY: L. Speck DATE: 9/28/90 TIME: _____
 LOGGED IN BY: _____ DATE: _____ TIME: _____



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Formerly: NET Northeast, Inc.

To: SENECA ARMY DEPOT
BUILDING 323 MAT MGT BR
ROMULUS, NY 14541

Date: Nov 19 1990

Attention: COMMANDER

SAMPLE #27557

PAGE 1 OF 2

LABORATORY ANALYSIS REPORT

SAMPLE SUMMARY

CLIENT	: SENECA ARMY DEPOT	DATE RECEIVED	: 09/28/90
JOB #	: 179.005.00	DATE COLLECTED	: 09/28/90
LOCATION	: BLANK	TIME COLLECTED	: 0800
METHOD	: GRAB		

PARAMETER	RESULTS	UNITS
CHLOROMETHANE	<1.0	ug/l
BROMOMETHANE	<1.0	ug/l
VINYL CHLORIDE	<1.0	ug/l
CHLOROETHANE	<1.0	ug/l
METHYLENE CHLORIDE	<1.0	ug/l
CHLOROBENZENE	<1.0	ug/l
1,1-DICHLOROETHYLENE	<1.0	ug/l
1,1-DICHLOROETHANE	<1.0	ug/l
TRANS-1,2-DICHLOROETHYLENE	<1.0	ug/l
ETHYLBENZENE	<1.0	ug/l
CHLOROFORM	<1.0	ug/l
1,2-DICHLOROETHANE	<1.0	ug/l
1,1,1-TRICHLOROETHANE	<1.0	ug/l
CARBON TETRACHLORIDE	<1.0	ug/l



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SAMPLE #27557

PAGE 2 OF 2

LABORATORY ANALYSIS REPORT

PARAMETER	RESULTS	UNITS
BROMODICHLOROMETHANE	<1.0	ug/l
1,2-DICHLOROPROPANE	<1.0	ug/l
TRANS-1,3-DICHLOROPROPENE	<1.0	ug/l
TRICHLOROETHYLENE	<1.0	ug/l
DIBROMOCHLOROMETHANE	<1.0	ug/l
CIS-1,3-DICHLOROPROPENE	<1.0	ug/l
1,1,2-TRICHLOROETHANE	<1.0	ug/l
BENZENE	<1.0	ug/l
2-CHLOROETHYL VINYL ETHER	<1.0	ug/l
BROMOFORM	<1.0	ug/l
TETRACHLOROETHYLENE	<1.0	ug/l
1,1,2,2-TETRACHLOROETHANE	<1.0	ug/l
TOLUENE	<1.0	ug/l
1,2 DICHLOROBENZENE	<1.0	ug/l
1,3 DICHLOROBENZENE	<1.0	ug/l
1,4 DICHLOROBENZENE	<1.0	ug/l
TRICHLOROFLUOROMETHANE	<1.0	ug/l

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SAMPLE CHARACTERIZATION/CHAIN OF CUSTODY INFORMATION

CLIENT Seneca Army Depot CLIENT # 179,005,00
 CLIENT CONTACT M. Paprocki PHONE () _____
 P.O. # _____ LOG # 27557

SAMPLING:

SAMPLE ID: BLANK LOCATION: Seneca Army Depot
 SAMPLE TYPE: _____ SOIL WATER _____ OIL _____ SEDIMENT _____ WIPE
 OTHER _____

COLLECTION METHOD: _____ 24HR COMPOSITE MANUAL GRAB _____ WIPE
 _____ FLOW COMPOSITE OTHER _____

COMPOSITE:
 SET: DATE _____ TIME _____ BY _____
 PICKED UP: DATE _____ TIME _____ BY _____
 MANUAL GRAB: DATE 9/28/90 TIME 0800 BY R. Rodman
 FLOW: _____ UNITS: _____ GPM _____ GPD _____ MGD

PRESERVATION:

DATE 9/28/90 TIME 0800 BY R.R.
 PRESERVATIVE: _____ H₂SO₄ _____ HNO₃ _____ NaOH HCl _____ Na₂S₂O₃
 COOLED TO 4 DEGREES CELSIUS _____ TEFLON LINER
 OTHER _____

CONTAINERS:

2 vials

NOTES:

CUSTODY:

COLLECTED BY: R. J. Rodman DATE: 9/28/90
 DELIVERED BY: R. J. Rodman DATE: 9/28/90 TIME: 1530
 RECEIVED BY: K. Speck DATE: 9/28/90 TIME: _____
 LOGGED IN BY: _____ DATE: _____ TIME: _____