

452-25



DEPARTMENT OF THE ARMY  
U. S. ARMY ENVIRONMENTAL HYGIENE AGENCY  
ABERDEEN PROVING GROUND, MARYLAND 21010-6422

REPLY TO  
ATTENTION OF

HSHB-ME-SG (40)

30 JAN 1991

MEMORANDUM FOR HQDA(ENVR-E), WASH DC 20314-1000

SUBJECT: Status of the Ground-water Monitoring Program,  
January 1991

1. Reference letter, HQDA, DAEN-ZCE, 23 June 1986, subject: Modification of the U.S. Army Ground-water Monitoring Program.
2. Under the U.S. Army Ground-water Monitoring Program (GWMP), we continue to provide the services of ground-water quality data interpretation and technical guidance for 21 Army installations. The task of database management is in the process of being transferred to the U.S. Army Toxic and Hazardous Materials Agency, under a mutual agreement reached in June 1990. The GWMP will soon offer the advantages of a more sophisticated and consolidated Army-wide database in conjunction with this Agency's experience in ground-water monitoring.
3. Enclosed is the semiannual status report through January 1991, reflecting recent changes and future developments within the program.
4. Our points of contact are Mr. John Bauer, Ground Water and Solid Waste Program Manager, Ms. Pat Rippey, or Ms. Beth Martin, this Agency, DSN 584-2024 or commercial (301) 671-2024.

FOR THE COMMANDER:

*Gerald L. Delaney*  
 GERALD L. DELANEY  
 COL, MS  
 Director, Environmental Health  
 Engineering

Encl

CF (w/encl):  
 HQDA(SGPS-PSP-E)  
 DA, USAEHSC, ATTN: CEHSC-F  
 Cdr, HSC, ATTN: HSCL-P  
 Cdr, AMC, ATTN: AMCSG-S  
 Cdr, AMC, ATTN: AMCEN-A  
 Cdr, AMCCOM, ATTN: AMSMC-ISE(R)

U.S. ARMY GROUND-WATER MONITORING PROGRAM

JANUARY 1991 STATUS REPORT

1. GENERAL. We currently provide management of a comprehensive database of ground-water quality data, tabulation and interpretation of data, and technical guidance concerning ground-water monitoring. However, in the near future, the task of database management will be performed by the U.S. Army Toxic and Hazardous Materials Agency (USATHAMA). Analytical support, though no longer provided routinely for Ground-water Monitoring Program (GWMP) samples, is also provided upon request to meet special short-term needs. Each installation has the responsibility for the routine analysis of ground-water samples using either in-house or contract laboratories. The installation also is responsible for providing ground-water quality data in the desired format.

2. NEW DEVELOPMENTS.

a. Major changes in the data management of the GWMP are now occurring. As a result of an agreement reached between representatives of this Agency and USATHAMA, the existing GWMP data are being transferred to USATHAMA's Installation Restoration Data Management Information System (IRDMIS), and future GWMP data will be stored in the system as well. The merging of the databases will amass the existing ground-water data into one system, providing a more complete and usable Army-wide database with increased capabilities of data manipulation and statistical analysis. This is a first and monumental step towards consolidating Army environmental information and increasing the availability and use of stored data.

b. We will continue to provide written data interpretation and evaluation, and will offer technical guidance, as needed, for individual monitoring programs. The USATHAMA will maintain a comprehensive database of ground-water information and analytical results. Close coordination between our Agency and USATHAMA is vital to the success of this undertaking, and this has been and will continue to be practiced.

c. We urge installations and MACOMs to consider participating in the GWMP for their ongoing ground-water monitoring programs. The combination of the IRDMIS database functions and the technical expertise and experience of this Agency offers increased benefits to the installations we serve.

ENCL

3. ROLES AND RESPONSIBILITIES FOR CONTINUED OPERATION OF THE GWMP. As the structure of the GWMP changes, each installation and MACOM must be kept informed as to how these changes will affect every level of participation. For this reason, the distribution of this status letter has been widened to include every participating installation. We wish to continue our support of the GWMP, and need your feedback with respect to your desire to participate. The following is a projection of the roles and responsibilities of each installation, our Agency, and the USATHAMA.

a. Installations.

(1) Installations currently inactive in the program should coordinate with MACOM representatives to determine whether participation in the GWMP is desired, feasible, and intended. If participation is declined, we request that a memorandum stating this be provided to us through the chain of command.

(2) As soon as possible, but definitely no later than 1 October 1991, installations will be required to provide data directly to USATHAMA using the IRDMIS data entry program. This requires the user to attend training with USATHAMA's contractors here at APG. The training may be completed in 1 day, and the only cost is that of travel. It is important that those installations contracting out the data entry functions be aware of the need for this training, so that the proper modifications may be made to the contract for FY 92. Specific information regarding the data entry training will be forthcoming.

(3) When USATHAMA receives data, they will validate the data for correctness. If editorial errors are found, the data will be returned to the installation for the necessary changes.

(4) Installation personnel should continue to maintain field data logsheets for each well sampled to ensure that the necessary field information is obtained. Logsheets should be kept in the installation ground-water files. Water level data and other field measurements (such as pH and conductivity) must be entered, along with the analytical data into the IRDMIS system.

(5) Installation personnel should continue to provide this Agency with pertinent correspondence and site information. This may include correspondence to and from the regulator, any changes in the site status, changes in the sampling frequency or parameters, etc.

(6) When new wells are installed at a monitored site, installations must send borelogs, surface elevation data, a site map showing well locations, and any other pertinent information to this office as soon as possible.

b. USAEHA.

(1) This Agency is currently assisting USATHAMA in the incorporation of all GWMP data into the IRDMIS system.

(2) We will continue to work closely with USATHAMA to ensure a smooth transition for all installations using the IRDMIS entry system to enter their ground-water quality data.

(3) We will continue to serve as the point of contact for technical issues regarding ground-water monitoring.

(4) Subsequent to receiving data from USATHAMA, we will prepare a memorandum containing interpretation and recommendations based on the results.

(5) We will continue to maintain our installation files which contain data interpretation letters, correspondence concerning regulatory status and monitoring requirements, and site information.

(6) Upon formal request, we may be able to provide analytical support for special cases. This may include support to an installation required to monitor for a limited time period, needing rapid response to newly-imposed monitoring requirements, or required to analyze additional parameters not included on an existing laboratory contract.

(7) There are a number of other USAEHA Mission Services which are directly related to ground-water monitoring. A "Ground-water Quality Consultation" provides assistance on a specific aspect of ground-water investigation or surveillance. Also, there are a variety of services related to analytical quality assurance which provide assistance on evaluation of laboratory performance. These services may be formally requested through command channels.

c. USATHAMA.

(1) The USATHAMA is in the process of transferring past GWMP data to the IRDMIS system.

(2) The USATHAMA will assume all data management functions. This will include validating, tabulating, and storing all ground-water data received.

(3) The USATHAMA will provide the IRDMIS data entry program software and training for its use to each participating installation.

#### 4. CURRENT STATUS.

a. Facilities in the Program. Twenty-one installations are listed as participants in the GWMP. However, only 14 of these have actively participated by sending ground-water quality data on diskettes. Seven installations are considered inactive; they have not provided us with recent data, yet continue to express some interest in participating in the program. These installations are Fort Drum, Fort Stewart, Lexington-Blue Grass AD, Louisiana AAP, Newport AAP, Savanna ADA, and Seneca AD. We urge those inactive installations to review the benefits of the GWMP and consider participation. Fort McCoy has recently renewed its interest in participation, and has begun entry of their backlogged data to update the database.

b. Sites and Monitoring Locations. Among the participating installations, 51 individual sites are monitored through the collection and analysis of samples from 311 sampling points (monitoring wells, domestic wells, or surface water locations). A complete listing of sites and well locations for each installation receiving support is provided as Attachment 1. There are 25 monitoring sites considered to be hazardous waste sites, and 26 sites in the solid waste category. Attachment 2 shows the breakdown of hazardous waste and solid waste sites for each installation participating in the program.

c. Types of Monitoring Being Accomplished. Monitoring is being accomplished in the program to comply with various regulatory requirements. Examples of the types of monitoring being conducted are discussed below:

(1) Monitoring under 40 CFR 265 is being performed at 19 hazardous waste sites. Six of these are monitored under post-closure requirements.

(2) Monitoring is being accomplished at 19 solid waste landfills in response to state-issued permits regulating these sites.

(3) Twelve sites are monitored under State/Federal requirements or agreements. One site is monitored through Army initiative.

d. Specific Changes to the Program. Changes in the monitoring program may include additions or deletions of sampling points or sites, and changes in the regulatory status of sites (such as a closure or the issuance of a permit). The following are changes which have occurred since the last status report:

(1) Holston AAP has added a new site to its monitoring program, the B-11 Basin. The monitoring network includes four wells which were installed in July 1990. The primary focus for monitoring this concrete-lined treatment basin is the detection of dimethylnitrosamine (DMN), which is present in the wastewater. Monitoring is being performed under the initiative of the installation, and will be carried out quarterly for at least 1 year.

(2) Fort McCoy is now considered to be an active GWMP participant. They have begun using our entry program to enter the backlogged data they have generated from ground-water monitoring, and plan to participate fully in the future.

PATRICIA O. RIPPEY  
Environmental Scientist  
Waste Disposal Engineering  
Division

BETH A. MARTIN  
Environmental Scientist  
Waste Disposal Engineering  
Division

11 JAN 91

SITE AND WELL LISTING

INSTALLATION	SITE	WELLS							
121506 LEXINGTON-BLUE GRASS AD, KY	BURNING/DEMOLITION AREA	403	404	401	402				
	TNT WASHOUT LAGOONS	901	902	903	904	905	MUDCR		
	PERIMETER WELL	201							
	INDUSTRIAL WASTE LAGDONS	1051	1052	1053					
	NEW LANDFILL	1131	1132	1133	1134	1135			
136216 FT DRUM, NY	OLD LANDFILL	1121	1122	1123	1124				
	OLD LANDFILL	W2	W3	W6					
136794 SENECA AD, NY	NEW LANDFILL	W1	W4	W5					
	DEMOLITION GROUNDS	W5	W4	W6	W1	W3	W2	W7	
136939 WATERVLIET ARSENAL, NY	LANDFILL	PT-10	PT-11	PT-12	PT-14	PT-15			
	SURFACE IMPOUNDMENT	SP5	SP2	SP3	SP4	SP6			
136953 WEST POINT MILITARY ACADEMY, NY	CRAGSTON SANITARY LANDFILL	#1A	#2	#3	#4	#5	#6	2020	
		LC	UC						
142394 FT INDIANTOWN GAP, PA	SANITARY LANDFILL	W2	W1	W7	W8	W4	W9	W11	
		W5	W6	W10	W3				
151724 RADFORD AAP, VA	FLY ASH LANDFILL #2	WELL7	FAL1	FAL2	FAL3				
	SITE 26(B)	BDH3	B3	B4	BDH2	B2	B1R		
	SITE 16(C)	C1	C4	16-4	16-1	16-2	16-3	CDH2	
		16-5	MW9	SPRNG	WC2A	WC2B	WC1A	WC1B	
		MWB							
	SITE 4	P-3	WC12	S4W1	S4W2	S4W3	W2B	W4B	
		W5A	W6A	W7A	WC21	WC22	WC23	WC31	
		WC32	WC41	WC42	WC43	WC8B	WC9B	MW7	
	SITE 5	W8B	W5B	W7B	S5W6	S5W8	W9A	W10A	
		W11A	5WC11	5WC12	5WCA	5WC21	5WC22	5WC23	
SITE 7	W12B	W9B	W10B	W11B	W9C	W10C	7WCA		
	MW5	MW6							
301035 ANNISTON AD, AL	LANDFILL	AAD11	AAD2	AAD3	2-3				
	BOUNDARY WELLS	81B32	2-8	2-11	2-12	81B18	81B19	83B03	
		83B04							
	A-BLOCK LAGOON	BH1	BH2	2-15	2-16				
SITE Z1	81B10	81B13	81B33	81B17					
313834 FT STEWART, GA	SANITARY LANDFILL	SC-M5	SC-M2	SC-M3	SC-M4	SC-M1	SC-M6		
	BURNING GROUND	BG9	BG5	BG6	BG7	BG8	BG10	BG13	
	NITRIC ACID AREA EQUIL POND	BEB30	BEB31	BEB32	BEB33				
	TAR PIT	TP19	TP20	TP42	TP43				
	ROCK DAM SITE	SW-U	SW-D						
	ACTIVE SANITARY LANDFILL	MW50	MW46	MW47	MW48	MW51	MW52	MW53	
		MW54	MW55						
	ACTIVE FLY ASH LANDFILL	MW45							
	CLOSED FLY ASH LANDFILL	MW12	MW11						
	CLOSED SANITARY LANDFILL	MW15	MW14						
347408 HOLSTON AAP, TN	SODIUM NITRATE POND NO.3	MW2	MW4						
	B-11 BASIN	MW56	MW57	MW58	MW59				
347580 MILAN AAP, TN	ADA/BURNING GROUND/LANDFILL	I-11	#7	#1	#5	#2	#6	#3	
		#4							
417800 SAVANNA ADA, IL	SANITARY LANDFILL	G101	G102	G103	G104	G105	G106		
	SANITARY LANDFILL	#1	#2	#3	#4	#5	#6		
418351 FT BENJAMIN HARRISON, IN	SANITARY LANDFILL	1N	2N	3N					
	GATE 19 LANDFILL	#1	#2	#3	#4	BG-9	BG-10	BG-11	
418403 JEFFERSON PROVING GROUND, IN	BURNING GROUND	BG-12	BG-13						
418611 NEWPORT AAP, IN	BURNING GROUND	#1	#2	#3	#4	BG-9	BG-10	BG-11	

ATCH 1

419422 IOWA AAP, IA  
 420736 FT RILEY, KS  
 420785 SUNFLOWER AAP, KS  
 455533 FT MCCOY, WI

522543 LOUISIANA AAP, LA  
 548513 LONE STAR AAP, TX

SLUDGE BASIN	#9	#5	#6	#7	#8	#10	#11
RED WATER ASH BASIN	#12	#13	#14	#15			
SANITARY LANDFILL	#16	#17	#18	#19	#20	#21	
INERT LANDFILL	G4	G6	G5	G7			
LINE G AREA	2#1	2#2	2#18	2#18A	2#19		
CAMP FUNSTON LANDFILL	1	2	3	4	5	6	
NITROGUANIDINE/CARBIDE AREA	89-26	89-01	89-02	MW3	89-09		
POND A & POWERHOUSE LAGOONS	89-28	89-03	89-12	89-13			
SANITARY LANDFILL	W-5	W-4	SCAL	SCBL	W-2A	W-2B	W-2C
	W-1	W-3	W-6	W-7A	W-7B	W-8A	W-8B
	W-9						
AREA P PINK WATER LAGOONS	15	9	10	11	12	13	14
NORTH G PONDS	G-1	G-3	G-4	G-5	G-8	G-10	
SOUTH O PONDS	O-2	O-3	O-4	O-5	O-9	O-9A	O-10
	O-11	O-12	O-13	O-14			



TABLE. PARTICIPANTS IN THE GROUND-WATER MONITORING PROGRAM  
JANUARY 1991

MAJOR COMMAND	INSTALLATION	NUMBER OF HW SITES	NUMBER OF SW SITES	NUMBER OF MONITORING STATIONS
AMC:				
AMCCOM	Holston AAP	2	8	37
	Iowa AAP	2	0	9
	Lone Star AAP	2	0	16
	Louisiana AAP	1	0	7
	Milan AAP	1	0	8
	Newport AAP	1	3	26
	Radford AAP	4	2	70
	Sunflower AAP	2	0	10
	Watervliet Arsenal	1	0	5
DESCOM	Anniston AD	4	0	20
	Lexington-Blue Grass AD	4	2	23
	Savanna AD	0	1	6
	Seneca AD	1	1	12
TECOM	Jefferson Proving Ground	0	1	3
FORSCOM	Ft Drum	0	2	6
	Ft Indiantown Gap	0	1	11
	Ft McCoy	0	1	15
	Ft Riley	0	1	6
	Ft Stewart	0	1	6
USMA	West Point	0	1	9
TRADOC	Ft Ben Harrison	0	1	6
TOTAL		25	26	311



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.

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

Date: 11/09/1991  
Job No: 91.2148

Attention: MR. MARK PAPROCKI

Purchase Order No:  
Account Number: 82680

Project: Semi-Annual Analysis

Subject: Samples received 9/25/91, identified as  
PT 10,11,12,15,16,17,18,23,24,26, FH-D Center,  
Barn Well, FH-S Corner, PT 20, 21,22,25 and Trip

Project Manager: Bindy Marshall

NET Atlantic, Syracuse Division

A handwritten signature in blue ink, appearing to read "Richard W. Balamut".

Richard W. Balamut  
Division Manager

NET warrants that any sampling and analysis 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.



NATIONAL ENVIRONMENTAL TESTING, INC.

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Tel: (315) 446-8795  
Fax: (315) 449-1611

Formerly, NET Northeast, Inc.

Job No: 91.2148

\*\*\*\*\*

SAMPLE NO: 39770

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : PT-10

Time Collected: 10:00

PARAMETER		RESULTS	UNITS
✓ Chloride	AQ	67.9	mg/L
• Conductivity		837.	umhos/cm
• Nitrate	AQ	<0.04	mg/L N
• pH		7.8	pH units
• Sulfate		17.1	mg/L
• Total Organic Carbon		10.8	mg/L
• Total Organic Halogen-TOX		51.	ug/L
• Arsenic (As)	200 GFAA AQ	<0.020	mg/L
• Barium (Ba)	200 ICP AQ	0.191	mg/L
• Cadmium (Cd)	200 ICP AQ	<0.010	mg/L
• Chromium (Cr)	200 ICP AQ	<0.030	mg/L
• Iron (Fe)	200 ICP AQ	0.235	mg/L
• Lead (Pb)	200 GFAA AQ	<0.020	mg/L
• Mercury (Hg)	200 CVAA AQ	<0.001	mg/L
• Potassium (K)	200 ICP AQ	2.31	mg/L
• Selenium (Se)	200 GFAA AQ	<0.005	mg/L
• Silver (Ag)	200 ICP AQ	<0.020	mg/L
▲ Sodium (Na)	200 ICP AQ	40.0	mg/L
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L



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SAMPLE NO: 39770

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : PT-10

Time Collected: 10:00

-----

PARAMETER	RESULTS	UNITS
trans-1,2-Dichloroethene	<1.0	ug/L
1,2-Dichloropropane	<1.0	ug/L
cis-1,3-Dichloropropene	<1.0	ug/L
trans-1,3-Dichloropropene	<1.0	ug/L
Ethylbenzene	<1.0	ug/L
Methylene Chloride	<1.0	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
Toluene	<1.0	ug/L
1,1,1-Trichloroethane	<1.0	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	<1.0	ug/L
Trichlorofluoromethane	<1.0	ug/L
Vinyl Chloride	<1.0	ug/L



91.2148 39770  
 MONITORING WELL  
 SAMPLE CHARACTERIZATION AND  
 CHAIN OF CUSTODY SHEET

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

LAB SAMPLE LOG NO. \_\_\_\_\_

JOB NO. 82680

SOURCE

CLIENT Seneca Army Depot

WELL NO. PT-10

LOCATION LF

WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 9-24-91

WELL DEPTH 46.2'

DEPTH TO WATER 11.01'

WELL VOLUME 5.63 gal.

METHOD bailed

NO. OF VOLUMES 2

TOTAL VOLUME 12g Dry

ITEM	START	FINISH
TIME		<u>11:30</u>
PH	<u>6</u>	<u>6</u>
TEMP.	<u>16°C</u>	<u>16°C</u>
DEPTH	<u>11.01'</u>	
COLOR	<u>C1</u>	<u>C1</u>
APPEAR	<u>Low</u>	

SAMPLING

DATE 9-25-91

PH 6.12

TIME 10:00

TEMP. 16°C

METHOD bailed

COLOR Clear

CONTAINER 500, 250, pint, 2 qts, 2 vials

TURB Low

SAMPLED BY BRM, JS

REDOX - | COND 900

PRESERVATION

DATE 9-25-91

FILTERED YES \_\_\_\_\_ NO X TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVED YES X NO \_\_\_\_\_ TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>  
 HCL  SOD. THIO.  
 COOLED TO 4 C  OTHER \_\_\_\_\_

CUSTODY

SAMPLERS SIGNATURE Brian R. Mihler  
 TRANSFERRED TO #1

RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

#2  
 RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

FIELD NOTES:



Job No: 91.2148

\*\*\*\*\*

SAMPLE NO: 39771

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : PT-11

Time Collected: 10:10

PARAMETER		RESULTS	UNITS
Chloride	AQ	42.0	mg/L
Conductivity		995.	umhos/cm
Nitrate	AQ	0.50	mg/L N
pH		7.6	pH units
Sulfate		143.4	mg/L
Total Organic Carbon		9.4	mg/L
Total Organic Halogen-TOX		32.	ug/L
Arsenic (As)	200 GFAA AQ	<0.020	mg/L
Barium (Ba)	200 ICP AQ	0.230	mg/L
Cadmium (Cd)	200 ICP AQ	<0.010	mg/L
Chromium (Cr)	200 ICP AQ	<0.030	mg/L
Iron (Fe)	200 ICP AQ	12.8	mg/L
Lead (Pb)	200 GFAA AQ	<0.020	mg/L
Mercury (Hg)	200 CVAA AQ	<0.001	mg/L
Potassium (K)	200 ICP AQ	4.47	mg/L
Selenium (Se)	200 GFAA AQ	<0.010	mg/L
Silver (Ag)	200 ICP AQ	<0.020	mg/L
Sodium (Na)	200 ICP AQ	39.8	mg/L
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		3.19	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L



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Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : PT-11

Time Collected: 10:10

-----

PARAMETER	RESULTS	UNITS
trans-1,2-Dichloroethene	<1.0	ug/L
1,2-Dichloropropane	<1.0	ug/L
cis-1,3-Dichloropropene	<1.0	ug/L
trans-1,3-Dichloropropene	<1.0	ug/L
Ethylbenzene	<1.0	ug/L
Methylene Chloride	<1.0	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
Toluene	<1.0	ug/L
1,1,1-Trichloroethane	<1.0	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	2.66	ug/L
Trichlorofluoromethane	<1.0	ug/L
Vinyl Chloride	<1.0	ug/L



2148  
5854 Butternut Drive  
East Syracuse, NY  
13057  
(315) 446-8795

MONITORING WELL  
SAMPLE CHARACTERIZATION AND  
CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. 39771 JOB NO. 82680

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

EVACUATION DATE 9-24-91

ITEM	START	FINISH
WELL DEPTH <u>19.4'</u>		<u>11:40</u>
DEPTH TO WATER <u>9.77'</u>		<u>6</u>
WELL VOLUME <u>1.5g</u>		<u>13°C</u>
METHOD <u>bailed</u>		<u>9.77'</u>
NO. OF VOLUMES <u>1</u>		<u>Lt. Br.</u>
TOTAL VOLUME <u>1.5g Dry</u>		<u>High Turb</u>

SAMPLING DATE 9-25-91 pH 6.3

TIME 10:10 TEMP. 13°C  
METHOD bailed COLOR Lt Brown  
CONTAINER 500, 250, 2qts, pint, 2viab TURB High  
SAMPLED BY BRM, JS REDOX - COND 1000

PRESERVATION DATE 9-25-91

FILTERED YES \_\_\_\_\_ NO X TIME \_\_\_\_\_ BY \_\_\_\_\_  
PRESERVED YES X NO \_\_\_\_\_ TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>  
 HCL  SOD. THIO.  
 COOLED TO 4 C  OTHER \_\_\_\_\_

CUSTODY

SAMPLERS SIGNATURE Brian R. Mikler  
TRANSFERED TO #1 \_\_\_\_\_  
RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_  
#2 \_\_\_\_\_  
RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

FIELD NOTES: \_\_\_\_\_





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Job No: 91.2148

\*\*\*\*\*

SAMPLE NO: 39772

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : PT-12

Time Collected: 10:10

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PARAMETER		RESULTS	UNITS
Chloride	AQ	264.	mg/L
Conductivity		2250.	umhos/cm
Nitrate	AQ	0.24	mg/L N
pH		7.0	pH units
Sulfate		337.5	mg/L
Total Organic Carbon		8.1	mg/L
Total Organic Halogen-TOX		1722.	ug/L
Arsenic (As)	200 GFAA AQ	<0.020	mg/L
Barium (Ba)	200 ICP AQ	0.073	mg/L
Cadmium (Cd)	200 ICP AQ	<0.010	mg/L
Chromium (Cr)	200 ICP AQ	<0.030	mg/L
Iron (Fe)	200 ICP AQ	3.76	mg/L
Lead (Pb)	200 GFAA AQ	<0.020	mg/L
Mercury (Hg)	200 CVAA AQ	<0.001	mg/L
Potassium (K)	200 ICP AQ	3.26	mg/L
Selenium (Se)	200 GFAA AQ	<0.005	mg/L
Silver (Ag)	200 ICP AQ	<0.020	mg/L
Sodium (Na)	200 ICP AQ	129.	mg/L
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		7.15	ug/L



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Job No: 91.2148

\*\*\*\*\*

SAMPLE NO: 39772

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : PT-12

Time Collected: 10:10

-----

PARAMETER	RESULTS	UNITS
trans-1,2-Dichloroethene	63.2	ug/L
1,2-Dichloropropane	<1.0	ug/L
cis-1,3-Dichloropropene	<1.0	ug/L
trans-1,3-Dichloropropene	<1.0	ug/L
Ethylbenzene	<1.0	ug/L
Methylene Chloride	<1.0	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
Toluene	<1.0	ug/L
1,1,1-Trichloroethane	<1.0	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	1350	ug/L
Trichlorofluoromethane	<1.0	ug/L
Vinyl Chloride	160	ug/L



MONITORING WELL  
SAMPLE CHARACTERIZATION AND  
CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. 3977a JOB NO. 82680

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

EVACUATION DATE 9-24-91

ITEM	START	FINISH
WELL DEPTH <u>12.3'</u>		<u>13:30</u>
DEPTH TO WATER <u>10.30'</u>		<u>6</u>
WELL VOLUME <u>.32g</u>		<u>15°C</u>
METHOD <u>bailed</u>		<u>15°C</u>
NO. OF VOLUMES <u>1</u>		<u>10.30</u>
TOTAL VOLUME <u>.5g Dry</u>		<u>Lt. Br.</u>
		<u>Lt. Br.</u>
		<u>Med Turb</u>

SAMPLING DATE 9-25-91 pH 6.30

TIME 12:35 TEMP. 15°C

METHOD bailed COLOR Lt. Brown

CONTAINER 500, 250, 1qrt, pint, 2 vials TURB Med

SAMPLED BY BRM, JS REDOX — COND 2, 210

PRESERVATION DATE 9-25-91

FILTERED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>  
 HCL  SOD. THIO.  
 COOLED TO 4 C  OTHER \_\_\_\_\_

CUSTODY

SAMPLERS SIGNATURE Brian R. Mibler

TRANSFERRED TO #1 \_\_\_\_\_

RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

#2 \_\_\_\_\_

RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

FIELD NOTES: \* Only 1 quart w/tef collected before well went dry



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SAMPLE NO: 39773

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : PT-15

Time Collected: 10:30

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PARAMETER		RESULTS	UNITS
Chloride	AQ	7.5	mg/L
Conductivity		615.	umhos/cm
Nitrate	AQ	0.39	mg/L N
pH		7.9	pH units
Sulfate		67.	mg/L
Total Organic Carbon		5.5	mg/L
Total Organic Halogen-TOX		16.	ug/L
Arsenic (As)	200 GFAA AQ	<0.020	mg/L
Barium (Ba)	200 ICP AQ	0.157	mg/L
Cadmium (Cd)	200 ICP AQ	<0.010	mg/L
Chromium (Cr)	200 ICP AQ	<0.030	mg/L
Iron (Fe)	200 ICP AQ	11.0	mg/L
Lead (Pb)	200 GFAA AQ	<0.020	mg/L
Mercury (Hg)	200 CVAA AQ	<0.001	mg/L
Potassium (K)	200 ICP AQ	4.36	mg/L
Selenium (Se)	200 GFAA AQ	<0.005	mg/L
Silver (Ag)	200 ICP AQ	<0.020	mg/L
Sodium (Na)	200 ICP AQ	32.0	mg/L
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L



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\*\*\*\*\*

SAMPLE NO: 39773

LABORATORY ANALYSIS REPORT

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Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : PT-15

Time Collected: 10:30

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PARAMETER	RESULTS	UNITS
trans-1,2-Dichloroethene	<1.0	ug/L
1,2-Dichloropropane	<1.0	ug/L
cis-1,3-Dichloropropene	<1.0	ug/L
trans-1,3-Dichloropropene	<1.0	ug/L
Ethylbenzene	<1.0	ug/L
Methylene Chloride	<1.0	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
Toluene	<1.0	ug/L
1,1,1-Trichloroethane	<1.0	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	<1.0	ug/L
Trichlorofluoromethane	<1.0	ug/L
Vinyl Chloride	<1.0	ug/L



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MONITORING WELL  
SAMPLE CHARACTERIZATION AND  
CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. 39773

JOB NO. 82680

SOURCE

CLIENT Seneca Army Depot  
LOCATION LF

WELL NO. PT-15  
WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 9-24-91

WELL DEPTH 19.5'  
DEPTH TO WATER 10.44'  
WELL VOLUME 1.5 g  
METHOD bailed  
NO. OF VOLUMES 1  
TOTAL VOLUME 2 g Dry

ITEM	START	FINISH
TIME		1200
PH	6	6
TEMP.	13°C	13°C
DEPTH	10.44'	
COLOR	Lt. Br.	Lt. Br.
APPEAR	High Turb	

SAMPLING

DATE 9-25-91

PH 6.76

TIME 10:30  
METHOD bailed  
CONTAINER 500, 250, 2 qrts, pint, 2 vials  
SAMPLED BY BRM, JS

TEMP. 13°C  
COLOR Lt. Brown  
TURB High  
REDOX — | COND 640

PRESERVATION

DATE 9-25-91

FILTERED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_  
PRESERVED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_  
PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>  
 HCL  SOD. THIO.  
 COOLED TO 4 C  OTHER \_\_\_\_\_

CUSTODY

SAMPLERS SIGNATURE Brian R. Mihler

TRANSFERED TO #1  
RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_  
#2  
RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

FIELD NOTES:



Job No: 91.2148

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SAMPLE NO: 39774

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : PT-16

Time Collected: 10:20

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PARAMETER		RESULTS	UNITS
Chloride	AQ	16.2	mg/L
Conductivity		642.	umhos/cm
Nitrate	AQ	0.40	mg/L N
pH		7.6	pH units
Sulfate		95.	mg/L
Total Organic Carbon		<30.	mg/L
Total Organic Halogen-TOX		17.	ug/L
Arsenic (As)	200 GFAA AQ	<0.020	mg/L
Barium (Ba)	200 ICP AQ	0.221	mg/L
Cadmium (Cd)	200 ICP AQ	<0.010	mg/L
Chromium (Cr)	200 ICP AQ	0.057	mg/L
Iron (Fe)	200 ICP AQ	63.8	mg/L
Lead (Pb)	200 GFAA AQ	<0.020	mg/L
Mercury (Hg)	200 CVAA AQ	<0.001	mg/L
Potassium (K)	200 ICP AQ	6.12	mg/L
Selenium (Se)	200 GFAA AQ	<0.010	mg/L
Silver (Ag)	200 ICP AQ	<0.020	mg/L
Sodium (Na)	200 ICP AQ	7.63	mg/L
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L



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\*\*\*\*\*

SAMPLE NO: 39774

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : PT-16

Time Collected: 10:20

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PARAMETER	RESULTS	UNITS
trans-1,2-Dichloroethene	<1.0	ug/L
1,2-Dichloropropane	<1.0	ug/L
cis-1,3-Dichloropropene	<1.0	ug/L
trans-1,3-Dichloropropene	<1.0	ug/L
Ethylbenzene	<1.0	ug/L
Methylene Chloride	<1.0	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
Toluene	<1.0	ug/L
1,1,1-Trichloroethane	<1.0	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	<1.0	ug/L
Trichlorofluoromethane	<1.0	ug/L
Vinyl Chloride	<1.0	ug/L





MONITORING WELL  
SAMPLE CHARACTERIZATION AND  
CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. 39774

JOB NO. 82680

SOURCE

CLIENT Seneca Army Depot  
LOCATION LF

WELL NO. PT-16  
WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 9-24-91

WELL DEPTH 11.5'  
DEPTH TO WATER 7.59'  
WELL VOLUME .63g.  
METHOD bailed  
NO. OF VOLUMES 3  
TOTAL VOLUME 2.5g.

ITEM	START	FINISH
TIME		<u>1150</u>
PH	<u>6</u>	<u>7</u>
TEMP.	<u>15°C</u>	<u>15°C</u>
DEPTH	<u>7.59'</u>	
COLOR	<u>Lt. Br.</u>	<u>Lt. Br.</u>
APPEAR	<u>High Turb</u>	

SAMPLING

DATE 9-25-91 pH 6.82

TIME 10:20  
METHOD bailed  
CONTAINER 500, 250, 2qts, pint, 2ials  
SAMPLED BY ARM, JS

TEMP. 15°C  
COLOR Lt. Brown  
TURB High  
REDOX — | COND 700

PRESERVATION

DATE 9-25-91

FILTERED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_  
PRESERVED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_  
PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>  
 HCL  SOD. THIO.  
 COOLED TO 4 C  OTHER \_\_\_\_\_

CUSTODY

SAMPLERS SIGNATURE Brian R. Mihler

TRANSFERED TO #1  
RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_  
#2  
RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

FIELD NOTES:



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SAMPLE NO: 39775

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : PT-17

Time Collected: 11:45

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PARAMETER		RESULTS	UNITS
Chloride	AQ	32.3	mg/L
Conductivity		723.	umhos/cm
Nitrate	AQ	0.34	mg/L N
pH		7.6	pH units
Sulfate		72.4	mg/L
Total Organic Carbon		<6.0	mg/L
Total Organic Halogen-TOX		270.	ug/L
Arsenic (As)	200 GFAA AQ	<0.020	mg/L
Barium (Ba)	200 ICP AQ	0.089	mg/L
Cadmium (Cd)	200 ICP AQ	<0.010	mg/L
Chromium (Cr)	200 ICP AQ	<0.030	mg/L
Iron (Fe)	200 ICP AQ	9.66	mg/L
Lead (Pb)	200 GFAA AQ	<0.020	mg/L
Mercury (Hg)	200 CVAA AQ	<0.001	mg/L
Potassium (K)	200 ICP AQ	2.26	mg/L
Selenium (Se)	200 GFAA AQ	<0.005	mg/L
Silver (Ag)	200 ICP AQ	<0.020	mg/L
Sodium (Na)	200 ICP AQ	30.7	mg/L
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L



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\*\*\*\*\*

SAMPLE NO: 39775

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : PT-17

Time Collected: 11:45

-----

PARAMETER	RESULTS	UNITS
trans-1,2-Dichloroethene	<1.0	ug/L
1,2-Dichloropropane	<1.0	ug/L
cis-1,3-Dichloropropene	<1.0	ug/L
trans-1,3-Dichloropropene	<1.0	ug/L
Ethylbenzene	<1.0	ug/L
Methylene Chloride	<1.0	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
Toluene	<1.0	ug/L
1,1,1-Trichloroethane	<1.0	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	529	ug/L
Trichlorofluoromethane	<1.0	ug/L
Vinyl Chloride	<1.0	ug/L



# MONITORING WELL SAMPLE CHARACTERIZATION AND CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. 39775

JOB NO. 82680

## SOURCE

CLIENT Seneca Army Depot  
LOCATION LF

WELL NO. PT-17  
WELL TYPE/SIZE 2" PVC

## EVACUATION

DATE 9-24-91

WELL DEPTH 11.5'  
DEPTH TO WATER 10.50'  
WELL VOLUME .16 g.  
METHOD bailed  
NO. OF VOLUMES 3  
TOTAL VOLUME .5 g.

ITEM	START	FINISH
TIME		1255
pH	6	6
TEMP.	18°C	18°C
DEPTH	10.50'	
COLOR	Lt. Br.	Lt. Br
APPEAR	High Turb	

## SAMPLING

DATE 9-25-91 pH 6.79

TIME 11:45 TEMP. 18°C  
METHOD bailed COLOR Lt. Brown  
CONTAINER 500, 250, 29ft, pint, 2 vials TURB High  
SAMPLED BY BRM, JS REDOX ✓ COND 870

## PRESERVATION

DATE 9-25-91

FILTERED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_  
PRESERVED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_  
PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>  
 HCL  SOD. THIO.  
 COOLED TO 4 C  OTHER \_\_\_\_\_

## CUSTODY

SAMPLERS SIGNATURE Brian R. Milder  
TRANSFERED TO #1 \_\_\_\_\_  
RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ 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.

Job No: 91.2148

\*\*\*\*\*

SAMPLE NO: 39776

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : PT-18

Time Collected: 12:55

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PARAMETER		RESULTS	UNITS
Chloride	AQ	66.8	mg/L
Conductivity		1560.	umhos/cm
Nitrate	AQ	<0.04	mg/L N
pH		7.5	pH units
Sulfate		230.	mg/L
Total Organic Carbon		11.4	mg/L
Total Organic Halogen-TOX		4422.	ug/L
Arsenic (As)	200 GFAA AQ	<0.020	mg/L
Barium (Ba)	200 ICP AQ	0.043	mg/L
Cadmium (Cd)	200 ICP AQ	<0.010	mg/L
Chromium (Cr)	200 ICP AQ	<0.030	mg/L
Iron (Fe)	200 ICP AQ	1.38	mg/L
Lead (Pb)	200 GFAA AQ	<0.020	mg/L
Mercury (Hg)	200 CVAA AQ	<0.001	mg/L
Potassium (K)	200 ICP AQ	2.31	mg/L
Selenium (Se)	200 GFAA AQ	<0.005	mg/L
Silver (Ag)	200 ICP AQ	<0.020	mg/L
Sodium (Na)	200 ICP AQ	107.	mg/L
Volatiles by GC/MS 624	AQ		
Benzene		2.58	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		457	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L



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SAMPLE NO: 39776

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : PT-18

Time Collected: 12:55

-----

PARAMETER	RESULTS	UNITS
trans-1,2-Dichloroethene	<1.0	ug/L
1,2-Dichloropropane	<1.0	ug/L
cis-1,3-Dichloropropene	<1.0	ug/L
trans-1,3-Dichloropropene	<1.0	ug/L
Ethylbenzene	<1.0	ug/L
Methylene Chloride	<1.0	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
Toluene	<1.0	ug/L
1,1,1-Trichloroethane	<1.0	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	10000	ug/L
Trichlorofluoromethane	<1.0	ug/L
Vinyl Chloride	<1.0	ug/L



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

MONITORING WELL  
 SAMPLE CHARACTERIZATION AND  
 CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. 99776 JOB NO. 82680

SOURCE

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

EVACUATION

DATE 9-24-91

WELL DEPTH 11.5'  
 DEPTH TO WATER 9.87'  
 WELL VOLUME .26g.  
 METHOD bailed  
 NO. OF VOLUMES 2  
 TOTAL VOLUME .5g Dry

ITEM	START	FINISH
TIME	<u>1</u>	<u>13:35</u>
PH	<u>6</u>	<u>6</u>
TEMP.	<u>15°C</u>	<u>15°C</u>
DEPTH	<u>9.87'</u>	
COLOR	<u>Lt. Br.</u>	<u>Lt. Br.</u>
APPEAR	<u>Low Turb</u>	

SAMPLING

DATE 9-25-91 pH 6.69

TIME 12:55 TEMP. 15°C  
 METHOD bailed COLOR Lt. Brown  
 CONTAINER 500, 250, 2 qts, pint, 2 vials TURB med  
 SAMPLED BY BRM, JS REDOX — COND 1710

PRESERVATION

DATE 9-25-91

FILTERED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_  
 PRESERVED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_  
 PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>  
 HCL  SOD. THIO.  
 COOLED TO 4 C  OTHER \_\_\_\_\_

CUSTODY

SAMPLERS SIGNATURE Brian R. Mihler  
 TRANSFERED TO #1  
 RECIEVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_  
 #2  
 RECIEVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

FIELD NOTES:



Job No: 91.2148

Formerly: NET Northeast, Inc.

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SAMPLE NO: 39777

LABORATORY ANALYSIS REPORT

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Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : PT-23

Time Collected: 11:10

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PARAMETER		RESULTS	UNITS
Chloride	AQ	10.8	mg/L
Conductivity		626.	umhos/cm
Nitrate	AQ	0.06	mg/L N
pH		7.7	pH units
Sulfate		43.	mg/L
Total Organic Carbon		3.4	mg/L
Total Organic Halogen-TOX		28.	ug/L
Arsenic (As)	200 GFAA AQ	<0.020	mg/L
Barium (Ba)	200 ICP AQ	0.068	mg/L
Cadmium (Cd)	200 ICP AQ	<0.010	mg/L
Chromium (Cr)	200 ICP AQ	<0.030	mg/L
Iron (Fe)	200 ICP AQ	2.71	mg/L
Lead (Pb)	200 GFAA AQ	<0.020	mg/L
Mercury (Hg)	200 CVAA AQ	<0.001	mg/L
Potassium (K)	200 ICP AQ	2.77	mg/L
Selenium (Se)	200 GFAA AQ	<0.005	mg/L
Silver (Ag)	200 ICP AQ	<0.020	mg/L
Sodium (Na)	200 ICP AQ	6.69	mg/L
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L





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Job No: 91.2148

Formerly: NET Northeast, Inc.

\*\*\*\*\*

SAMPLE NO: 39777

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : PT-23

Time Collected: 11:10

-----

PARAMETER	RESULTS	UNITS
trans-1,2-Dichloroethene	<1.0	ug/L
1,2-Dichloropropane	<1.0	ug/L
cis-1,3-Dichloropropene	<1.0	ug/L
trans-1,3-Dichloropropene	<1.0	ug/L
Ethylbenzene	<1.0	ug/L
Methylene Chloride	<1.0	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
Toluene	<1.0	ug/L
1,1,1-Trichloroethane	<1.0	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	<1.0	ug/L
Trichlorofluoromethane	<1.0	ug/L
Vinyl Chloride	<1.0	ug/L



2198  
 5854 Butternut Drive  
 East Syracuse, NY  
 13057  
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MONITORING WELL  
 SAMPLE CHARACTERIZATION AND  
 CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. 89777

JOB NO. 82680

SOURCE

CLIENT Seneca Army Depot

WELL NO. PT-23

LOCATION \_\_\_\_\_

WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 9-24-91

WELL DEPTH 12'

DEPTH TO WATER 8.98'

WELL VOLUME .48g.

METHOD bailed

NO. OF VOLUMES 2

TOTAL VOLUME 1g Dry

ITEM	START	FINISH
TIME		1235
pH	7	7
TEMP.	15°C	15°C
DEPTH	8.98'	
COLOR	Lt. Br.	Lt. Br.
APPEAR	Med. Turb	

SAMPLING

DATE 9-25-91

pH 7.20

TIME 11:10

TEMP. 15°C

METHOD bailed

COLOR Lt. Brown

CONTAINER 500, 250, 2qt, pint, 2viak

TURB Med

SAMPLED BY BRM, JS

REDOX — | COND 680

PRESERVATION

DATE 9-25-91

FILTERED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>  
 HCL  SOD. THIO.  
 COOLED TO 4 C  OTHER \_\_\_\_\_

CUSTODY

SAMPLERS SIGNATURE Brian R. Minkler

TRANSFERED TO #1  
 RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

#2  
 RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

FIELD NOTES:



Job No: 91.2148

Formerly NET Northeast, Inc.

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SAMPLE NO: 39778

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : PT-24

Time Collected: 11:30

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PARAMETER		RESULTS	UNITS
Chloride	AQ	16.2	mg/L
Conductivity		708.	umhos/cm
Nitrate	AQ	0.43	mg/L N
pH		7.7	pH units
Sulfate		93.	mg/L
Total Organic Carbon		9.2	mg/L
Total Organic Halogen-TOX		29.	ug/L
Arsenic (As)	200 GFAA AQ	<0.020	mg/L
Barium (Ba)	200 ICP AQ	0.130	mg/L
Cadmium (Cd)	200 ICP AQ	<0.010	mg/L
Chromium (Cr)	200 ICP AQ	0.037	mg/L
Iron (Fe)	200 ICP AQ	33.7	mg/L
Lead (Pb)	200 GFAA AQ	0.020	mg/L
Mercury (Hg)	200 CVAA AQ	<0.001	mg/L
Potassium (K)	200 ICP AQ	5.85	mg/L
Selenium (Se)	200 GFAA AQ	<0.005	mg/L
Silver (Ag)	200 ICP AQ	<0.020	mg/L
Sodium (Na)	200 ICP AQ	16.2	mg/L
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L



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Formerly NET Northeast, Inc.

Job No: 91.2148

\*\*\*\*\*

SAMPLE NO: 39778

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : PT-24

Time Collected: 11:30

-----

PARAMETER	RESULTS	UNITS
trans-1,2-Dichloroethene	<1.0	ug/L
1,2-Dichloropropane	<1.0	ug/L
cis-1,3-Dichloropropene	<1.0	ug/L
trans-1,3-Dichloropropene	<1.0	ug/L
Ethylbenzene	<1.0	ug/L
Methylene Chloride	<1.0	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
Toluene	<1.0	ug/L
1,1,1-Trichloroethane	<1.0	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	8.61	ug/L
Trichlorofluoromethane	<1.0	ug/L
Vinyl Chloride	<1.0	ug/L



MONITORING WELL  
 SAMPLE CHARACTERIZATION AND  
 CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. 59778 JOB NO. 42680

SOURCE

CLIENT Seneca Army Depot WELL NO. PT-24  
 LOCATION LF WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 9-24-91

WELL DEPTH 11.8'  
 DEPTH TO WATER 8.50'  
 WELL VOLUME .53g.  
 METHOD bailed  
 NO. OF VOLUMES 2  
 TOTAL VOLUME 1g Dry

ITEM	START	FINISH
TIME		1245
PH	7	7
TEMP.	15°C	15°C
DEPTH	8.50'	
COLOR	Lt. Br.	Lt. Br.
APPEAR	High Turb	

SAMPLING

DATE 9-25-91 PH 7.19

TIME 11:30 TEMP. 15°C  
 METHOD bailed COLOR Lt. Brown  
 CONTAINER 500, 250, 29pts, pint, 2 vials TURB High  
 SAMPLED BY BRM, JS REDOX — COND 770

PRESERVATION

DATE 9-25-91

FILTERED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_  
 PRESERVED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_  
 PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>  
 HCL  SOD. THIO.  
 COOLED TO 4 C  OTHER \_\_\_\_\_

CUSTODY

SAMPLERS SIGNATURE Brian R. Mubler  
 TRANSFERED TO #1  
 RECIEVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_  
 #2  
 RECIEVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

FIELD NOTES:



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Formerly NET Northeast, Inc.

Job No: 91.2148

\*\*\*\*\*

SAMPLE NO: 39779

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : PT-26

Time Collected: 14:55

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PARAMETER		RESULTS	UNITS
Chloride	AQ	45.3	mg/L
Conductivity		711.	umhos/cm
Nitrate	AQ	0.10	mg/L N
pH		7.8	pH units
Sulfate		102.5	mg/L
Total Organic Carbon		11.6	mg/L
Total Organic Halogen-TOX		94.	ug/L
Arsenic (As)	200 GFAA AQ	<0.020	mg/L
Barium (Ba)	200 ICP AQ	0.166	mg/L
Cadmium (Cd)	200 ICP AQ	<0.010	mg/L
Chromium (Cr)	200 ICP AQ	<0.030	mg/L
Iron (Fe)	200 ICP AQ	28.9	mg/L
Lead (Pb)	200 GFAA AQ	<0.020	mg/L
Mercury (Hg)	200 CVAA AQ	<0.001	mg/L
Potassium (K)	200 ICP AQ	4.66	mg/L
Selenium (Se)	200 GFAA AQ	<0.005	mg/L
Silver (Ag)	200 ICP AQ	<0.020	mg/L
Sodium (Na)	200 ICP AQ	83.8	mg/L
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L



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Formerly NET Northeast, Inc.

Job No: 91.2148

\*\*\*\*\*

SAMPLE NO: 39779

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : PT-26

Time Collected: 14:55

-----

PARAMETER	RESULTS	UNITS
trans-1,2-Dichloroethene	<1.0	ug/L
1,2-Dichloropropane	<1.0	ug/L
cis-1,3-Dichloropropene	<1.0	ug/L
trans-1,3-Dichloropropene	<1.0	ug/L
Ethylbenzene	<1.0	ug/L
Methylene Chloride	<1.0	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
Toluene	<1.0	ug/L
1,1,1-Trichloroethane	<1.0	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	1.77	ug/L
Trichlorofluoromethane	<1.0	ug/L
Vinyl Chloride	<1.0	ug/L



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

2148  
5854 Butternut Drive  
East Syracuse, NY  
13057  
(315) 446-8795

LAB SAMPLE LOG NO. 59779

JOB NO. 82680

**SOURCE**

CLIENT Seneca Army Depot

WELL NO. AT-26

LOCATION LF

WELL TYPE/SIZE 2" PVC

**EVACUATION**

DATE 9-24-91

WELL DEPTH 14'

DEPTH TO WATER 11.54

WELL VOLUME .39

METHOD bailed

NO. OF VOLUMES 1

TOTAL VOLUME .5 g. Dry

ITEM	START	FINISH
TIME		1500
PH	7	7
TEMP.	18°C	18°C
DEPTH	11.54'	
COLOR	Dk. Br.	Dk. Br.
APPEAR	High Turb	

**SAMPLING**

DATE 9-25-91

PH 7.32

TIME 1455

TEMP. 18°C

METHOD bailed

COLOR Dk. Brown

CONTAINER 500, 250, 2 qrts, pint, 2 vials

TURB High

SAMPLED BY BRM, JS

REDOX — | COND 760

**PRESERVATION**

DATE 9-25-91

FILTERED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>  
 HCL  SOD. THIO.  
 COOLED TO 4 C  OTHER \_\_\_\_\_

**CUSTODY**

SAMPLERS SIGNATURE Brian R. Miller

TRANSFERED TO #1  
 RECIEVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

#2  
 RECIEVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

**FIELD NOTES:**





Job No: 91.2148

Formerly: NET Northeast, Inc.

\*\*\*\*\*

SAMPLE NO: 39783

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : FH-D CENTER

Time Collected: 14:30

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PARAMETER		RESULTS	UNITS
Chloride	AQ	9.7	mg/L
Conductivity		808.	umhos/cm
Nitrate	AQ	<0.04	mg/L N
pH		9.1	pH units
Sulfate		12.6	mg/L
Total Organic Carbon		4.0	mg/L
Total Organic Halogen-TOX		137.	ug/L
Arsenic (As)	200 GFAA AQ	<0.020	mg/L
Barium (Ba)	200 ICP AQ	0.648	mg/L
Cadmium (Cd)	200 ICP AQ	<0.010	mg/L
Chromium (Cr)	200 ICP AQ	<0.030	mg/L
Iron (Fe)	200 ICP AQ	0.365	mg/L
Lead (Pb)	200 GFAA AQ	<0.020	mg/L
Mercury (Hg)	200 CVAA AQ	<0.001	mg/L
Potassium (K)	200 ICP AQ	1.19	mg/L
Selenium (Se)	200 GFAA AQ	<0.005	mg/L
Silver (Ag)	200 ICP AQ	<0.020	mg/L
Sodium (Na)	200 ICP AQ	187.	mg/L
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L



NATIONAL ENVIRONMENTAL TESTING, INC.

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

Job No: 91.2148

Formerly: NET Northeast, Inc.

\*\*\*\*\*

SAMPLE NO: 39783

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : FH-D CENTER

Time Collected: 14:30

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PARAMETER	RESULTS	UNITS
trans-1,2-Dichloroethene	<1.0	ug/L
1,2-Dichloropropane	<1.0	ug/L
cis-1,3-Dichloropropene	<1.0	ug/L
trans-1,3-Dichloropropene	<1.0	ug/L
Ethylbenzene	<1.0	ug/L
Methylene Chloride	<1.0	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
Toluene	<1.0	ug/L
1,1,1-Trichloroethane	<1.0	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	<1.0	ug/L
Trichlorofluoromethane	<1.0	ug/L
Vinyl Chloride	<1.0	ug/L



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SAMPLE CHARACTERIZATION/CHAIN OF CUSTODY INFORMATION

CLIENT Seneca Army Depot

CLIENT # 82680

CLIENT CONTACT

PHONE ( )

D. #

LOG # 3975

SAMPLING:

SAMPLE ID: FH-D (Center) LOCATION: WAF Farm House

SAMPLE TYPE: SOIL [X] WATER OIL SEDIMENT WIPE OTHER

COLLECTION METHOD: 24HR COMPOSITE [X] MANUAL GRAB WIPE FLOW COMPOSITE OTHER

COMPOSITE: SET: DATE TIME BY PICKED UP: DATE TIME BY ANUAL GRAB: DATE 9-25-91 TIME 1430 BY ARM, JS FLOW: UNITS: GPM GPD MGD

PRESERVATION:

DATE 9-25-91 TIME BY

PRESERVATIVE: [X] H2SO4 [X] HNO3 NaOH [X] HCl Na2S2O3 [X] COOLED TO 4 DEGREES CELSIUS TEFLON LINER OTHER

CONTAINERS:

500, 250, 2 qts, pint, 2 vials

NOTES:

pH-8.47, Temp-15°C, Cond.-840, Clear, Low Turb

CJSTODY:

COLLECTED BY: Brian R. Mihler DATE: 9-25-91

DELIVERED BY: DATE: TIME:

RECEIVED BY: DATE: TIME:

LOGGED IN BY: DATE: TIME:



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Formerly: NET Northeast, Inc.

Job No: 91.2148

\*\*\*\*\*

SAMPLE NO: 39784

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : BARN WELL

Time Collected: 15:00

-----

PARAMETER		RESULTS	UNITS
Chloride	AQ	35.5	mg/L
Conductivity		927.	umhos/cm
Nitrate	AQ	12.6	mg/L N
pH		7.7	pH units
Sulfate		102.	mg/L
Total Organic Carbon		4.1	mg/L
Total Organic Halogen-TOX		56.	ug/L
Arsenic (As)	200 GFAA AQ	<0.020	mg/L
Barium (Ba)	200 ICP AQ	0.099	mg/L
Cadmium (Cd)	200 ICP AQ	<0.010	mg/L
Chromium (Cr)	200 ICP AQ	<0.030	mg/L
Iron (Fe)	200 ICP AQ	0.114	mg/L
Lead (Pb)	200 GFAA AQ	<0.020	mg/L
Mercury (Hg)	200 CVAA AQ	<0.001	mg/L
Potassium (K)	200 ICP AQ	2.54	mg/L
Selenium (Se)	200 GFAA AQ	<0.005	mg/L
Silver (Ag)	200 ICP AQ	<0.020	mg/L
Sodium (Na)	200 ICP AQ	6.83	mg/L
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L



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Job No: 91.2148

Formerly: NET Northeast, Inc.

\*\*\*\*\*

SAMPLE NO: 39784

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : BARN WELL

Time Collected: 15:00

-----

PARAMETER	RESULTS	UNITS
trans-1,2-Dichloroethene	<1.0	ug/L
1,2-Dichloropropane	<1.0	ug/L
cis-1,3-Dichloropropene	<1.0	ug/L
trans-1,3-Dichloropropene	<1.0	ug/L
Ethylbenzene	<1.0	ug/L
Methylene Chloride	<1.0	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
Toluene	<1.0	ug/L
1,1,1-Trichloroethane	<1.0	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	<1.0	ug/L
Trichlorofluoromethane	<1.0	ug/L
Vinyl Chloride	<1.0	ug/L



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SAMPLE CHARACTERIZATION/CHAIN OF CUSTODY INFORMATION

CLIENT Seneca Army Depot

CLIENT # 82680

CLIENT CONTACT

PHONE ( )

C. #

LOG # 39784

SAMPLING:

SAMPLE ID: Barn Well LOCATION: Farm House

SAMPLE TYPE: SOIL X WATER OIL SEDIMENT WIPE OTHER

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

COMPOSITE:

SET: DATE TIME BY PICKED UP: DATE TIME BY

ANUAL GRAB: DATE 9-25-91 TIME 1500 BY BRM

FLOW: UNITS: GPM GPD MGD

PRESERVATION:

DATE 9-25-91 TIME 1500 BY BRM

PRESERVATIVE: X H2SO4 X HNO3 NaOH X HCl Na2S2O3 X COOLED TO 4 DEGREES CELSIUS TEFLON LINER OTHER

CONTAINERS:

500, 250, 2 qrts, pint, 2 vials

NOTES:

pH-7.12, Temp -15°C, Cond-1000, Clear, Low Turb

CUSTODY:

COLLECTED BY: Brian A. Mehler DATE: 9-25-91

DELIVERED BY: DATE: TIME:

RECEIVED BY: DATE: TIME:

LOGGED IN BY: DATE: TIME:



Job No: 91.2148

\*\*\*\*\*

SAMPLE NO: 39785

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : FH-S CORNER

Time Collected: 14:45

-----

PARAMETER		RESULTS	UNITS
Chloride	AQ	2.1	mg/L
Conductivity		436.	umhos/cm
Nitrate	AQ	1.67	mg/L N
pH		7.6	pH units
Sulfate		18.3	mg/L
Total Organic Carbon		<3.0	mg/L
Total Organic Halogen-TOX		72.	ug/L
Arsenic (As)	200 GFAA AQ	<0.020	mg/L
Barium (Ba)	200 ICP AQ	0.053	mg/L
Cadmium (Cd)	200 ICP AQ	<0.010	mg/L
Chromium (Cr)	200 ICP AQ	<0.030	mg/L
Iron (Fe)	200 ICP AQ	0.050	mg/L
Lead (Pb)	200 GFAA AQ	<0.020	mg/L
Mercury (Hg)	200 CVAA AQ	<0.001	mg/L
Potassium (K)	200 ICP AQ	6.38	mg/L
Selenium (Se)	200 GFAA AQ	<0.005	mg/L
Silver (Ag)	200 ICP AQ	<0.020	mg/L
Sodium (Na)	200 ICP AQ	18.3	mg/L
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L



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Formerly NET Northeast, Inc.

\*\*\*\*\*

SAMPLE NO: 39785

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : FH-S CORNER

Time Collected: 14:45

-----

PARAMETER	RESULTS	UNITS
trans-1,2-Dichloroethene	<1.0	ug/L
1,2-Dichloropropane	<1.0	ug/L
cis-1,3-Dichloropropene	<1.0	ug/L
trans-1,3-Dichloropropene	<1.0	ug/L
Ethylbenzene	<1.0	ug/L
Methylene Chloride	<1.0	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
Toluene	<1.0	ug/L
1,1,1-Trichloroethane	<1.0	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	<1.0	ug/L
Trichlorofluoromethane	<1.0	ug/L
Vinyl Chloride	<1.0	ug/L



2148



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SAMPLE CHARACTERIZATION/CHAIN OF CUSTODY INFORMATION

CLIENT Seneca Army Depot CLIENT # 82680
CLIENT CONTACT PHONE ( )
O. # LOG # 39785

SAMPLING:

SAMPLE ID: FH-5 (corner) LOCATION: Farm House

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 9-25-91 TIME 1445 BY BRM, JS

FLOW: UNITS: GPM GPD MGD

PRESERVATION:

DATE 9-25-91 TIME BY

PRESERVATIVE: H2SO4 HNO3 NaOH HCl Na2S2O3 COOLED TO 4 DEGREES CELSIUS TEFLON LINER OTHER

CONTAINERS:

500, 250, 2 qrts, pint, 2 vials

NOTES:

pH-8.12, Temp-17c, Cond-460, Clear, Low Turb

CUSTODY:

COLLECTED BY: Brian R Muhler DATE: 9-25-91

DELIVERED BY: DATE: TIME:

RECEIVED BY: DATE: TIME:

LOGGED IN BY: DATE: TIME:



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Formerly: NET Northeast, Inc.

Job No: 91.2148

\*\*\*\*\*

SAMPLE NO: 39786

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : PT-20

Time Collected: 12:15

-----

PARAMETER		RESULTS	UNITS
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		<1.0	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		<1.0	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		30.1	ug/L
Trichlorofluoromethane		<1.0	ug/L
Vinyl Chloride		<1.0	ug/L



2148  
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13057  
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MONITORING WELL  
SAMPLE CHARACTERIZATION AND  
CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. 39786

JOB NO. 82680

SOURCE

CLIENT Seneca Army Depot

WELL NO. PT-20

LOCATION LF

WELL TYPE/SIZE 11.5

EVACUATION

DATE 9-24-91

WELL DEPTH 11.5'

DEPTH TO WATER 11.17

WELL VOLUME .05g.

METHOD bailed

NO. OF VOLUMES 2

TOTAL VOLUME .1g Dry

ITEM	START	FINISH
TIME		<u>13:10</u>
PH	<u>6</u>	<u>6</u>
TEMP.	<u>18°C</u>	<u>18°C</u>
DEPTH	<u>11.17'</u>	
COLOR	<u>Lt Br.</u>	<u>Lt. Br.</u>
APPEAR	<u>Med Turb</u>	

SAMPLING

DATE 9-25-91

PH 6.88

TIME 1215

TEMP. 18°C

METHOD bailed

COLOR Lt. Brown

CONTAINER 2 vials

TURB med

SAMPLED BY ARM, JS

REDOX — | COND 1110

PRESERVATION

DATE 9-25-91

FILTERED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>  
 HCL  SOD. THIO.  
 COOLED TO 4 C  OTHER \_\_\_\_\_

CUSTODY

SAMPLERS SIGNATURE Brian R. Mibler

TRANSFERED TO #1  
 RECIEVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

#2  
 RECIEVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

FIELD NOTES:

\* Not enough water to collect semi-annual samples



Job No: 91.2148

Formerly NET Northeast, Inc.

\*\*\*\*\*

SAMPLE NO: 39787

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : PT-21

Time Collected: 12:05

-----

PARAMETER		RESULTS	UNITS
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		<1.0	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		<1.0	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		<1.0	ug/L
Trichlorofluoromethane		<1.0	ug/L
Vinyl Chloride		<1.0	ug/L



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MONITORING WELL  
 SAMPLE CHARACTERIZATION AND  
 CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. 39787 JOB NO. 82680

SOURCE

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

EVACUATION

DATE 9-24-91

WELL DEPTH 19.2'  
 DEPTH TO WATER 9.56'  
 WELL VOLUME 1.5g.  
 METHOD bailed  
 NO. OF VOLUMES 1  
 TOTAL VOLUME 1.5g. Dry

ITEM	START	FINISH
TIME		1315
pH	7	7
TEMP.	12°C	12°C
DEPTH	9.56'	
COLOR	Lt. Gr.	Lt. Gr.
APPEAR	High turb	

SAMPLING

DATE 9-25-91 pH 7.06

TIME 1205 TEMP. 12°C  
 METHOD bailed COLOR Lt. Grey  
 CONTAINER 2 vials TURB High  
 SAMPLED BY BRM, JS REDOX — | COND 1100

PRESERVATION

DATE 9-25-91

FILTERED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_  
 PRESERVED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_  
 PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>  
 HCL  SOD. THIO.  
 COOLED TO 4 C  OTHER \_\_\_\_\_

CUSTODY

SAMPLERS SIGNATURE Brian R. Mihler  
 TRANSFERED TO #1  
 RECIEVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_  
 #2  
 RECIEVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

FIELD NOTES:

\* Not enough water to collect Semi-Annual  
 Samples



Job No: 91.2148

\*\*\*\*\*

SAMPLE NO: 39788

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : PT-22

Time Collected: 11:55

-----

PARAMETER		RESULTS	UNITS
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		<1.0	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		<1.0	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		74.9	ug/L
Trichlorofluoromethane		<1.0	ug/L
Vinyl Chloride		<1.0	ug/L



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

(315) 446-8795

LAB SAMPLE LOG NO. 39788

JOB NO. 82680

SOURCE

CLIENT Seneca Army Depot  
LOCATION LF

WELL NO. PT-22  
WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 9-24-91

WELL DEPTH 11.5'  
DEPTH TO WATER 10.77  
WELL VOLUME .12g.  
METHOD bailed  
NO. OF VOLUMES 2  
TOTAL VOLUME .25g. Dry

ITEM	START	FINISH
TIME		13:05
pH	7	7
TEMP.	15°C	15°C
DEPTH	10.77'	
COLOR	Lt. Br.	Lt. Br
APPEAR	Med Turb	

SAMPLING

DATE 9-25-91 pH 7.04

TIME 1155 TEMP. 15°C  
METHOD bailed COLOR Lt. Brown  
CONTAINER 2 vials TURB Med.  
SAMPLED BY BRM, JS REDOX — COND 1375

PRESERVATION

DATE 9-25-91

FILTERED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_  
PRESERVED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_  
PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>  
 HCL  SOD. THIO.  
 COOLED TO 4 C  OTHER \_\_\_\_\_

CUSTODY

SAMPLERS SIGNATURE Brian R. Mihler  
TRANSFERED TO #1  
RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_  
#2  
RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

FIELD NOTES:

\* Not enough water to collect Semi-Annual Samples.



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Fax: (315) 449-1611

Formerly NET Northeast, Inc.

Job No: 91.2148

\*\*\*\*\*

SAMPLE NO: 39789

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : PT-25

Time Collected: 11:00

PARAMETER		RESULTS	UNITS
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		<1.0	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		<1.0	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		<1.0	ug/L
Trichlorofluoromethane		<1.0	ug/L
Vinyl Chloride		<1.0	ug/L





# MONITORING WELL SAMPLE CHARACTERIZATION AND CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. 39789

JOB NO. 82680

### SOURCE

CLIENT Seneca Army Depot  
LOCATION LF

WELL NO. PT-25  
WELL TYPE/SIZE 2" PK

### EVACUATION

DATE 9-24-91

WELL DEPTH 12'  
DEPTH TO WATER 11.57'  
WELL VOLUME .07  
METHOD bailed  
NO. OF VOLUMES 1  
TOTAL VOLUME .1 g Dry

ITEM	START	FINISH
TIME		12:10
pH		7
TEMP.		15°C
DEPTH	11.57	
COLOR	Lt. Br.	Lt. Br.
APPEAR	High Turb	

### SAMPLING

DATE 9-25-91 pH —

TIME 11:00  
METHOD bailed  
CONTAINER 2 vials  
SAMPLED BY BRM, JS

TEMP. 15°C  
COLOR Lt. Brown  
TURB High  
REDOX — | COND —

### PRESERVATION

DATE 9-25-91

FILTERED YES  NO  TIME        BY         
PRESERVED YES  NO  TIME        BY         
PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>  
 HCL  SOD. THIO.  
 COOLED TO 4 C  OTHER       

### CUSTODY

SAMPLERS SIGNATURE Brian R. Mihler  
TRANSFERED TO #1

RECEIVED BY        DATE        TIME         
#2  
RECEIVED BY        DATE        TIME       

### FIELD NOTES:

\* Not enough water to collect Semi-Annual  
Samples



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Fax: (315) 449-1611

Job No: 91.2148

Formerly: NET Northeast, Inc.

\*\*\*\*\*

SAMPLE NO: 39794

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : TRIP

Time Collected: 08:00

-----

PARAMETER		RESULTS	UNITS
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		<1.0	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		<1.0	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		<1.0	ug/L
Trichlorofluoromethane		<1.0	ug/L
Vinyl Chloride		<1.0	ug/L



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SAMPLE CHARACTERIZATION/CHAIN OF CUSTODY INFORMATION

CLIENT Seneca Army Depot
CLIENT CONTACT
.O. #

CLIENT # 82680
PHONE ( )
LOG # 39794

SAMPLING:

SAMPLE ID: Trip LOCATION:

SAMPLE TYPE: SOIL X WATER OIL SEDIMENT WIPE OTHER

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

COMPOSITE:

SET: DATE TIME BY
PICKED UP: DATE TIME BY
MANUAL GRAB: DATE 9-25-90 TIME 0800 BY BRM
FLOW: UNITS: GPM GPD MGD

PRESERVATION:

DATE 9-25-91 TIME BY
PRESERVATIVE: H2SO4 HNO3 NaOH X HCl Na2S2O3
X COOLED TO 4 DEGREES CELSIUS TEFLON LINER
OTHER

CONTAINERS:

2 vials

NOTES:

CJSTODY:

COLLECTED BY: Brian R. Minkley DATE: 9-25-91
DELIVERED BY: DATE: TIME:
RECEIVED BY: DATE: TIME:
LOGGED IN BY: DATE: TIME:



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Formerly: NET Northeast, Inc.

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

Date: 11/13/1991  
Job No: 91.2398

Attention: MR. MARK PAPROCKI

Purchase Order No:  
Account Number: 82680

Project: Seneca Army Landfill

Subject: Samples received on 9/25/1991, identified as MW-29, MW-30, MW-31, MW-27, MW-28, MW-32 and MW-33.

Please note: The following samples were not available of the reasons noted on the report sheets:

MW-29, MW-30, and MW-31.

The semi-annual samples listed below were not analyzed for all parameters because of insufficient water in the wells:

MW-27, MW-28, MW-32 and MW-33.

Project Manager: Bindy Dain

NET Atlantic, Syracuse Division

A handwritten signature in black ink, appearing to read "Richard W. Balamut", written over a white background.

Richard W. Balamut  
Division Manager

NET warrants that any sampling and analysis 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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Formerly: NET Northeast, Inc.

Job No: 91.2398

\*\*\*\*\*

SAMPLE NO: 39780

**LABORATORY ANALYSIS REPORT**

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected:

LOCATION : MW-29

Time Collected:

-----

PARAMETER  
Sample not available

RESULTS  
\*

UNITS

\*Sample not available as well was dry at time of collection.



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MONITORING WELL  
 SAMPLE CHARACTERIZATION AND  
 CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. 89780 JOB NO. 82680

SOURCE

CLIENT Seneca Army Depot WELL NO. MW-29  
 LOCATION LF WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 9-24-91

WELL DEPTH 10.5'  
 DEPTH TO WATER Dry  
 WELL VOLUME \_\_\_\_\_  
 METHOD \_\_\_\_\_  
 NO. OF VOLUMES \_\_\_\_\_  
 TOTAL VOLUME \_\_\_\_\_

ITEM	START	FINISH
TIME		
pH		
TEMP.		
DEPTH		
COLOR		
APPEAR		

SAMPLING

DATE N/A pH \_\_\_\_\_

TIME \_\_\_\_\_ TEMP. \_\_\_\_\_  
 METHOD \_\_\_\_\_ COLOR \_\_\_\_\_  
 CONTAINER \_\_\_\_\_ TURB \_\_\_\_\_  
 SAMPLED BY \_\_\_\_\_ REDOX \_\_\_\_\_ | COND \_\_\_\_\_

PRESERVATION

DATE \_\_\_\_\_

FILTERED YES \_\_\_\_\_ NO N/A TIME \_\_\_\_\_ BY \_\_\_\_\_  
 PRESERVED YES \_\_\_\_\_ NO N/A TIME \_\_\_\_\_ BY \_\_\_\_\_  
 PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>  
 HCL  SOD. THIO.  
 COOLED TO 4 C  OTHER \_\_\_\_\_

CUSTODY

SAMPLERS SIGNATURE Brian R. Mahler  
 TRANSFERED TO #1  
 RECIEVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_  
 #2  
 RECIEVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

FIELD NOTES:

\* Dry



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\*\*\*\*\*

SAMPLE NO: 39781

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected:

LOCATION : MW-30

Time Collected:

-----

PARAMETER  
Sample not available

RESULTS  
\*

UNITS

\*Sample not available as well was never recovered to collect samples.



# MONITORING WELL SAMPLE CHARACTERIZATION AND CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. 39781

JOB NO. 82680

<b>SOURCE</b>	
CLIENT <u>#Seneca Army Depot</u>	WELL NO. <u>MW-30</u>
LOCATION <u>LF</u>	WELL TYPE/SIZE <u>2' PVC</u>

<b>EVACUATION</b>		DATE <u>9-24-91</u>	
WELL DEPTH <u>10.5'</u>	ITEM	START	FINISH
DEPTH TO WATER <u>9.52'</u>	TIME		<u>1255</u>
WELL VOLUME <u>.16g</u>	pH		<u>7</u>
METHOD <u>bailed</u>	TEMP.	<u>16°C</u>	<u>18°C</u>
NO. OF VOLUMES <u>1</u>	DEPTH	<u>9.52</u>	
TOTAL VOLUME <u>.2g</u>	COLOR	<u>Lt. Br.</u>	<u>Lt. Br.</u>
	APPEAR	<u>Med 'Turb</u>	

<b>SAMPLING</b>		DATE <u>N/A</u>	pH _____
TIME _____	TEMP.	_____	
METHOD _____	COLOR	_____	
CONTAINER _____	TURB	_____	
SAMPLED BY _____	REDOX _____	COND _____	

<b>PRESERVATION</b>		DATE _____
FILTERED YES _____ NO _____	TIME _____	BY _____
PRESERVED YES _____ NO _____	TIME _____	BY _____
PRESERVATIVE	<input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> HNO <sub>3</sub> <input type="checkbox"/> NaOH <input type="checkbox"/> H <sub>3</sub> PO <sub>4</sub> +C <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> Zn(C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sub>2</sub> <input type="checkbox"/> HCL <input type="checkbox"/> SOD. THIO. <input type="checkbox"/> COOLED TO 4 C <input type="checkbox"/> OTHER _____	

<b>CUSTODY</b>	
SAMPLERS SIGNATURE	<u>Brian R. Mihler</u>
TRANSFERED TO #1	
RECEIVED BY _____	DATE _____ TIME _____
#2	
RECEIVED BY _____	DATE _____ TIME _____

FIELD NOTES: \* Well never recovered to collect samples





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Job No: 91.2398

\*\*\*\*\*

SAMPLE NO: 39782

**LABORATORY ANALYSIS REPORT**

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected:

LOCATION : MW-31

Time Collected:

-----

PARAMETER  
Sample not available

RESULTS  
\*

UNITS

\*Sample not available as well was never recovered to collect samples.



MONITORING WELL  
SAMPLE CHARACTERIZATION AND  
CHAIN OF CUSTODY SHEET

2191  
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LAB SAMPLE LOG NO. 59782

JOB NO. 82680

SOURCE

CLIENT Seneca Army Depot

WELL NO. MW-31

LOCATION LF

WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 9-24-91

WELL DEPTH 10.5'

DEPTH TO WATER 9.65'

WELL VOLUME 14g

METHOD bailed

NO. OF VOLUMES 1

TOTAL VOLUME 12g

ITEM	START	FINISH
TIME		<u>12:20</u>
PH	<u>7</u>	
TEMP.		<u>15°C</u>
DEPTH	<u>9.65</u>	
COLOR	<u>Lt. Br.</u>	<u>Lt. Br.</u>
APPEAR	<u>High</u>	

SAMPLING

DATE RAW PH \_\_\_\_\_

TIME N/A TEMP. \_\_\_\_\_

METHOD \_\_\_\_\_ COLOR \_\_\_\_\_

CONTAINER \_\_\_\_\_ TURB \_\_\_\_\_

SAMPLED BY \_\_\_\_\_ REDOX \_\_\_\_\_ | COND \_\_\_\_\_

PRESERVATION

DATE \_\_\_\_\_

FILTERED YES \_\_\_\_\_ NO N/A TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVED YES \_\_\_\_\_ NO \_\_\_\_\_ TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>  
 HCL  SOD. THIO.  
 COOLED TO 4 C  OTHER \_\_\_\_\_

CUSTODY

SAMPLERS SIGNATURE Brian R. Mihler  
TRANSFERRED TO #1

RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

#2  
RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

FIELD NOTES: \* Well never recovered to collect samples.



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Job No: 91.2398

Formerly: NET Northeast, Inc.

\*\*\*\*\*

SAMPLE NO: 39790

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : MW-27

Time Collected: 11:20

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PARAMETER		RESULTS	UNITS
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		<1.0	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		<1.0	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		<1.0	ug/L
Trichlorofluoromethane		<1.0	ug/L
Vinyl Chloride		<1.0	ug/L



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MONITORING WELL  
SAMPLE CHARACTERIZATION AND  
CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. 39790 JOB NO. 82680

SOURCE \_\_\_\_\_  
CLIENT Seneca Army Depot WELL NO. MW-27  
LOCATION LF WELL TYPE/SIZE 2" PVC

EVACUATION DATE 9-24-91

ITEM	START	FINISH
WELL DEPTH <u>10.5'</u>		<u>12:35</u>
DEPTH TO WATER <u>7.57</u>	<u>7</u>	<u>7</u>
WELL VOLUME <u>.47g</u>	<u>19°C</u>	<u>19°C</u>
METHOD <u>bailed</u>	<u>7.57'</u>	
NO. OF VOLUMES <u>1</u>	<u>Dk. Br.</u>	<u>Dk. Br.</u>
TOTAL VOLUME <u>.5g Dry</u>	<u>High Turb</u>	

SAMPLING DATE 9-25-91 pH 7.19

TIME 11:20 TEMP. 19°C  
METHOD bailed COLOR Dk. Brown  
CONTAINER 2 vials TURB High  
SAMPLED BY BRM, JS REDOX — COND 860

PRESERVATION DATE 9-25-91

FILTERED YES \_\_\_\_\_ NO  TIME \_\_\_\_\_ BY \_\_\_\_\_  
PRESERVED YES  NO \_\_\_\_\_ TIME \_\_\_\_\_ BY \_\_\_\_\_  
PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>  
 HCL  SOD. THIO.  
 COOLED TO 4 C  OTHER \_\_\_\_\_

CUSTODY

SAMPLERS SIGNATURE Brian R. M'hler  
TRANSFERRED TO #1  
RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_  
#2  
RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

FIELD NOTES: \* Not enough water to collect semi-Annual samples



Job No: 91.2398

Formerly: NET Northeast, Inc.

\*\*\*\*\*

SAMPLE NO: 39791

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : MW-28

Time Collected: 11:20

-----

PARAMETER		RESULTS	UNITS
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		<1.0	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		<1.0	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		21.2	ug/L
Trichlorofluoromethane		<1.0	ug/L
Vinyl Chloride		<1.0	ug/L



MONITORING WELL  
SAMPLE CHARACTERIZATION AND  
CHAIN OF CUSTODY SHEET

2148  
5854 Butternut Drive  
East Syracuse, NY  
13057  
(315) 446-8795

LAB SAMPLE LOG NO. 39791 JOB NO. 82680

SOURCE

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

EVACUATION

DATE 9-24-91

WELL DEPTH 10.5'  
DEPTH TO WATER 8.33  
WELL VOLUME .35 g  
METHOD bailed  
NO. OF VOLUMES 1  
TOTAL VOLUME .5g Dry

ITEM	START	FINISH
TIME		1245
PH	7	7
TEMP.	18°C	18°C
DEPTH	8.33'	
COLOR	Dk. Br.	Dk. Br.
APPEAR	High Turb	

SAMPLING

DATE 9-25-91 pH 7.22

TIME 11:20 TEMP. 18°C  
METHOD bailed COLOR Dk. Brown  
CONTAINER 2 vials TURB High  
SAMPLED BY BAM, JS REDOX - COND 740

PRESERVATION

DATE 9-25-91

FILTERED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_  
PRESERVED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_  
PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>  
 HCL  SOD. THIO.  
 COOLED TO 4 C  OTHER \_\_\_\_\_

CUSTODY

SAMPLERS SIGNATURE Brian R. Mibler  
TRANSFERED TO #1  
RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_  
#2  
RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

FIELD NOTES: \* Only 1 vial - one broke during transport.  
- Not enough water to collect Semi-Annual ~~Water~~ Samples



Job No: 91.2398

Formerly: NET Northeast, Inc.

\*\*\*\*\*

SAMPLE NO: 39792

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : MW-32

Time Collected: 10:50

-----

PARAMETER		RESULTS	UNITS
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		<1.0	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		<1.0	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		<1.0	ug/L
Trichlorofluoromethane		<1.0	ug/L
Vinyl Chloride		<1.0	ug/L



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

MONITORING WELL  
 SAMPLE CHARACTERIZATION AND  
 CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. 3979A

JOB NO. 82680

SOURCE

CLIENT Seneca Army Depot

WELL NO. MW-32

LOCATION LF

WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 9-24-91

WELL DEPTH 10.5'

DEPTH TO WATER 8.56'

WELL VOLUME .31

METHOD bailed

NO. OF VOLUMES 1

TOTAL VOLUME .5 g Dry

ITEM	START	FINISH
TIME		1220
pH	7	7
TEMP.	18°C	18°C
DEPTH	8.56'	
COLOR	DK Br.	DK. Br.
APPEAR	High Turb	

SAMPLING

DATE 9-25-91

pH 7.13

TIME 10:50

TEMP. 18°C

METHOD bailed

COLOR DK. Brown

CONTAINER 2 vials

TURB High

SAMPLED BY BRM, JS

REDOX — | COND 900

PRESERVATION

DATE 9-25-91

FILTERED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>  
 HCL  SOD. THIO.  
 COOLED TO 4 C  OTHER \_\_\_\_\_

CUSTODY

SAMPLERS SIGNATURE Brian R. Michler

TRANSFERED TO #1

RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

#2

RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

FIELD NOTES:

\* Not enough water to collect Semi Annual Samples





Job No: 91.2398

Formerly: NET Northeast, Inc.

\*\*\*\*\*

SAMPLE NO: 39793

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 09/25/1991

Date Collected: 09/25/1991

LOCATION : MW-33

Time Collected: 10:40

-----

PARAMETER		RESULTS	UNITS
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		<1.0	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		<1.0	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		<1.0	ug/L
Trichlorofluoromethane		<1.0	ug/L
Vinyl Chloride		<1.0	ug/L



MONITORING WELL  
SAMPLE CHARACTERIZATION AND  
CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. BA79B

JOB NO. 82680

SOURCE

CLIENT Seneca Army Depot  
LOCATION LF

WELL NO. MW-33  
WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 9-24-91

WELL DEPTH 10.5'  
DEPTH TO WATER 7.37  
WELL VOLUME .5g  
METHOD bailed  
NO. OF VOLUMES 1  
TOTAL VOLUME .5g Dry

ITEM	START	FINISH
TIME		1210
pH		7
TEMP.	16°C	16°C
DEPTH	7.37'	
COLOR	Dk. Br.	Dk. Br.
APPEAR	High Turb	

SAMPLING

DATE 9-25-91 pH —

TIME 10:40  
METHOD bailed  
CONTAINER 1 vial  
SAMPLED BY BRM, JS

TEMP. 16°C  
COLOR Dk. Brown  
TURB High  
REDOX — | COND —

PRESERVATION

DATE 9-25-91

FILTERED YES  NO  TIME        BY         
PRESERVED YES  NO  TIME        BY         
PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>  
 HCL  SOD. THIO.  
 COOLED TO 4 C  OTHER       

CUSTODY

SAMPLERS SIGNATURE Brian R. Miller  
TRANSFERRED TO #1

RECEIVED BY        DATE        TIME       

#2  
RECEIVED BY        DATE        TIME       

FIELD NOTES: \* Only 1 vial collected - Not enough water to collect semi-Annual samples.



NATIONAL  
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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.

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

Date: 12/30/1991  
Job No: 91.2724

Attention: MR. MARK PAPROCKI

Purchase Order No:  
Account Number: 82680

Project: Seneca Army Landfill

Subject: Samples received on 12/19/1991, identified as PT-10, PT-11,  
PT-15, PT-16, PT-17, PT-23, PT-24, PT-25, PT-26 and Trip  
Blank.

Project Manager: Bindy Dain

NET Atlantic, Syracuse Division

A handwritten signature in black ink, appearing to read "Richard W. Balamut".

Richard W. Balamut  
Division Manager

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



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Fax: (315) 449-1611

Job No: 91.2733

Formerly NET Northeast, Inc.

\*\*\*\*\*

SAMPLE NO: 41515

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 12/19/1991

Date Collected: 12/19/1991

LOCATION : TRIP BLANK

Time Collected:

-----

PARAMETER		RESULTS	UNITS
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		<1.0	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		<1.0	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		<1.0	ug/L
Trichlorofluoromethane		<1.0	ug/L
Vinyl Chloride		<1.0	ug/L



ENVIRONMENTAL  
TESTING, INC.

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East Syracuse, NY 13057  
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Blank 41514

Formerly NET Northeast Inc

SAMPLE CHARACTERIZATION/CHAIN OF CUSTODY INFORMATION

CLIENT Seneca Army Depot  
CLIENT CONTACT \_\_\_\_\_  
P.O. # \_\_\_\_\_

CLIENT # 82680  
PHONE ( ) \_\_\_\_\_  
LOG # 41514

SAMPLING:

SAMPLE ID: Farm House shallow LOCATION: \_\_\_\_\_  
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 12-19-91 TIME 1200 BY BRM, JS

FLOW: \_\_\_\_\_ UNITS: \_\_\_\_\_ GPM \_\_\_\_\_ GPD \_\_\_\_\_ MGD

PRESERVATION:

DATE 12-19-91 TIME 1200 BY BRM JS

PRESERVATIVE: \_\_\_\_\_ H<sub>2</sub>SO<sub>4</sub> \_\_\_\_\_ HNO<sub>3</sub> \_\_\_\_\_ NaOH \_\_\_\_\_  HCl \_\_\_\_\_ Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>  
 COOLED TO 4 DEGREES CELSIUS \_\_\_\_\_ TEFLON LINER  
OTHER \_\_\_\_\_

CONTAINERS:

2 vials

NOTES:

OH-808, Cond-215, Temp-4°C, Color-Clear Turb-Low

CHYSTODY:

COLLECTED BY: Joe Santolucito DATE: 12-19-91  
DELIVERED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_  
RECEIVED BY: Cynthia D. Ash DATE: 12/19/91 TIME: \_\_\_\_\_  
LOGGED IN BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_



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Fax: (315) 449-1611

Formerly NET Northeast, Inc.

Job No: 91.2733

\*\*\*\*\*

SAMPLE NO: 41514

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 12/19/1991

Date Collected: 12/19/1991

LOCATION : FARM HOUSE SHALLOW

Time Collected: 12:00

-----

PARAMETER		RESULTS	UNITS
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		<1.0	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		<1.0	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		<1.0	ug/L
Trichlorofluoromethane		<1.0	ug/L
Vinyl Chloride		<1.0	ug/L



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Formerly NET Northeast Inc

SAMPLE CHARACTERIZATION/CHAIN OF CUSTODY INFORMATION

CLIENT Seneca Army Depot

CLIENT # 82680

CLIENT CONTACT

PHONE ( )

P.O. #

LOG # 41513

SAMPLING:

SAMPLE ID: Farm House Deep LOCATION:

SAMPLE TYPE: SOIL X WATER OIL SEDIMENT WIPE OTHER

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

COMPOSITE:

SET: DATE TIME BY PICKED UP: DATE TIME BY

MANUAL GRAB: DATE 12-19-91 TIME 12:10 BY BRM, JS

FLOW: UNITS: GPM GPD MGD

PRESERVATION:

DATE 12-19-91 TIME 12:10 BY

PRESERVATIVE: H2SO4 HNO3 NaOH X HCl Na2S2O3 X COOLED TO 4 DEGREES CELSIUS TEFLON LINER OTHER

CONTAINERS:

2 vials

NOTES:

pH - 5.72, Cond - 550, Temp - 9°C, Color - Clear, Turb - Low

CUSTODY:

COLLECTED BY: Joe Sanfilippo DATE: 12-19-91

DELIVERED BY: DATE: TIME:

RECEIVED BY: Cynthia C. Ash DATE: 12/19/91 TIME:

LOGGED IN BY: DATE: TIME:



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Formerly NET Northeast, Inc.

Job No: 91.2733

\*\*\*\*\*

SAMPLE NO: 41513

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 12/19/1991

Date Collected: 12/19/1991

LOCATION : FARM HOUSE DEEP

Time Collected: 12:10

-----

PARAMETER		RESULTS	UNITS
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		<1.0	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		<1.0	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		<1.0	ug/L
Trichlorofluoromethane		<1.0	ug/L
Vinyl Chloride		<1.0	ug/L





Formerly NET Northeast Inc

SAMPLE CHARACTERIZATION/CHAIN OF CUSTODY INFORMATION

CLIENT Seneca Army Depot

CLIENT # 82680

CLIENT CONTACT \_\_\_\_\_

PHONE ( ) \_\_\_\_\_

P.O. # \_\_\_\_\_

LOG # 41513

SAMPLING:

SAMPLE ID: Barn Well LOCATION: \_\_\_\_\_

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 12-19-91 TIME 12:20 BY BRM, JS

FLOW: \_\_\_\_\_ UNITS: \_\_\_\_\_ GPM \_\_\_\_\_ GPD \_\_\_\_\_ MGD

PRESERVATION:

DATE 12-19-91 TIME 12:20 BY \_\_\_\_\_

PRESERVATIVE: \_\_\_\_\_ H<sub>2</sub>SO<sub>4</sub> \_\_\_\_\_ HNO<sub>3</sub> \_\_\_\_\_ NaOH  HCl \_\_\_\_\_ Na<sub>2</sub>S<sub>2</sub>O<sub>5</sub>  
 COOLED TO 4 DEGREES CELSIUS \_\_\_\_\_ TEFLON LINER  
OTHER \_\_\_\_\_

CONTAINERS:

2 vials

NOTES:

pH=7.40, Cond=1040, Temp=8°C, Color=Clear, Turb=Low

CHAIN OF CUSTODY:

COLLECTED BY: Joe Sanfilippo DATE: 12-19-91

DELIVERED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

RECEIVED BY: Cynthia C. Ash DATE: 12/19/91 TIME: \_\_\_\_\_

LOGGED IN BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_



Job No: 91.2733

Formerly: NET Northeast, Inc.

\*\*\*\*\*

SAMPLE NO: 41512

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 12/19/1991

Date Collected: 12/19/1991

LOCATION : BARN WELL

Time Collected: 12:20

-----

PARAMETER		RESULTS	UNITS
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		<1.0	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		6.7	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		<1.0	ug/L
Trichlorofluoromethane		<1.0	ug/L
Vinyl Chloride		<1.0	ug/L



5854 Butternut Drive  
East Syracuse, NY  
13057

MONITORING WELL  
SAMPLE CHARACTERIZATION AND  
CHAIN OF CUSTODY SHEET

(315) 446-8795

LAB SAMPLE LOG NO. 41511

JOB NO. 82680

SOURCE

CLIENT Seneca Army Depot

WELL NO. PT-22

LOCATION LF

WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 12-19-91

WELL DEPTH 11.5

DEPTH TO WATER 7.32

WELL VOLUME .67

METHOD Manual

NO. OF VOLUMES 3

TOTAL VOLUME 1 gal dry

ITEM	START	FINISH
TIME		<u>12:45</u>
pH	<u>7</u>	<u>7</u>
TEMP.	<u>6°C</u>	<u>6°C</u>
DEPTH		<u>7.32</u>
COLOR	<u>clear</u>	<u>clear</u>
APPEAR	<u>Low Turb</u>	

SAMPLING

DATE 12-19-91

pH 7.40

TIME 10:40

TEMP. 6°C

METHOD PVC Bailer

COLOR clear

CONTAINER 2 vials

TURB Low

SAMPLED BY BRM, JS

REDOX: — COND 1420

PRESERVATION

DATE 12-19-91

FILTERED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>

HCL  SOD THIO

COOLED TO 4°C  OTHER \_\_\_\_\_

CUSTODY

SAMPLERS SIGNATURE Joe Sanfilippo

TRANSFERED TO #1

RECEIVED BY Cynthia C. Ash DATE 12/19/91 TIME \_\_\_\_\_

#2 \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

FIELD NOTES:



Job No: 91.2733

\*\*\*\*\*

SAMPLE NO: 41511

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 12/19/1991

Date Collected: 12/19/1991

LOCATION : PT-22

Time Collected: 10:40

-----

PARAMETER		RESULTS	UNITS
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		3.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		1.4	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		1.3	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		69.3	ug/L
Trichlorofluoromethane		<1.0	ug/L
Vinyl Chloride		<1.0	ug/L



# MONITORING WELL SAMPLE CHARACTERIZATION AND CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. 41510

JOB NO. 82680

### SOURCE

CLIENT Seneca Army Depot

WELL NO. PT-21

LOCATION LF

WELL TYPE/SIZE 2" PVC

### EVACUATION

DATE 12-19-91

WELL DEPTH 19.2

DEPTH TO WATER 7.40

WELL VOLUME 1.89

METHOD Manual

NO. OF VOLUMES 3

TOTAL VOLUME 2 gal dry

ITEM	START	FINISH
TIME		12:50
pH	7	7
TEMP.	10°C	10°C
DEPTH		7.40
COLOR	Lt. Gr.	Lt. Gr
APPEAR	Med Turb	

### SAMPLING

DATE 12-19-91

pH 7.24

TIME 10:50

TEMP. 10°C

METHOD PVC Bailor

COLOR Lt Gr

CONTAINER 2 vials

TURB Med

SAMPLED BY BRM, JS

REDOX — | COND 1130

### PRESERVATION

DATE 12-19-91

FILTERED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>  
 HCL  SOD. THIO.  
 COOLED TO 4°C  OTHER \_\_\_\_\_

### CUSTODY

SAMPLERS SIGNATURE Joe Sanfilippo

TRANSFERED TO #1 RECEIVED BY Lyntha C. Ash DATE 12/19/91 TIME \_\_\_\_\_

#2 RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

### FIELD NOTES:



Job No: 91.2733

\*\*\*\*\*

SAMPLE NO: 41510

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 12/19/1991

Date Collected: 12/19/1991

LOCATION : PT-21

Time Collected: 10:50

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PARAMETER		RESULTS	UNITS
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		<1.0	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		<1.0	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		2.5	ug/L
Trichlorofluoromethane		<1.0	ug/L
Vinyl Chloride		<1.0	ug/L



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 13057  
 (315) 446-8795

MONITORING WELL  
 SAMPLE CHARACTERIZATION AND  
 CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. 41509

JOB NO. 82680

SOURCE

CLIENT Seneca Army Depot

WELL NO. PT-20

LOCATION LF

WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 12-19-91

WELL DEPTH 11.5

DEPTH TO WATER 8.51

WELL VOLUME .48

METHOD Manual

NO. OF VOLUMES 3

TOTAL VOLUME 1 gal dry

ITEM	START	FINISH
TIME		<u>12:55</u>
pH	<u>7</u>	<u>7</u>
TEMP.	<u>10°C</u>	<u>10°C</u>
DEPTH		<u>8.51</u>
COLOR	<u>Lt. Br.</u>	<u>Lt. Br.</u>
APPEAR	<u>Med Turb</u>	

SAMPLING

DATE 12-19-91 pH 7.20

TIME 11:00

TEMP. 10°C

METHOD PVC Bailor

COLOR Lt. Br

CONTAINER 2 vials

TURB Med

SAMPLED BY BRM, JS

REDOX — COND 1040

PRESERVATION

DATE 12-19-91

FILTERED YES  NO  TIME        BY       

PRESERVED YES  NO  TIME        BY       

PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>

HCL  SOD. THIO.

COOLED TO 4°C  OTHER       

CUSTODY

SAMPLERS SIGNATURE Joe Santilippo

TRANSFERRED TO #1

RECEIVED BY        DATE 12/19/91 TIME       

#2        DATE 12/19/91 TIME       

RECEIVED BY        DATE        TIME       

FIELD NOTES:



Job No: 91.2733

\*\*\*\*\*

SAMPLE NO: 41509

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 12/19/1991

Date Collected: 12/19/1991

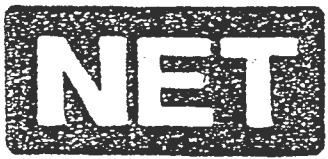
LOCATION : PT-20

Time Collected: 11:00

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PARAMETER		RESULTS	UNITS
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		<1.0	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		<1.0	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		34.2	ug/L
Trichlorofluoromethane		<1.0	ug/L
Vinyl Chloride		<1.0	ug/L





# MONITORING WELL SAMPLE CHARACTERIZATION AND CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. 41508

JOB NO. 82680

## SOURCE

CLIENT Seneca Army Depot

WELL NO. PT-18

LOCATION LF

WELL TYPE/SIZE 2" PVC

## EVACUATION

DATE 12-19-91

WELL DEPTH 11.5

DEPTH TO WATER 6.72

WELL VOLUME .76

METHOD Manual

NO. OF VOLUMES 3

TOTAL VOLUME 1 gal dry

ITEM	START	FINISH
TIME	<u>1305</u>	
pH	<u>7</u>	<u>7</u>
TEMP.	<u>9°C</u>	<u>9°C</u>
DEPTH		<u>6.72</u>
COLOR	<u>Dk Br</u>	<u>Dk. Br</u>
APPEAR	<u>High Turb</u>	

## SAMPLING

DATE 12-19-91

pH 6.86

TIME 11:20

TEMP. 9°C

METHOD PVC Bailer

COLOR Dk Br

CONTAINER 2 vials

TURB High

SAMPLED BY Bem JS

REDOX — | COND 2100

## PRESERVATION

DATE 12-19-91

FILTERED YES  NO  TIME        BY       

PRESERVED YES  NO  TIME        BY       

PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>):

HCL  SOD THIO.  OTHER       

COOLED TO 4°C  OTHER       

## CUSTODY

SAMPLERS SIGNATURE Joe Sanfilippo

TRANSFERED TO #1 RECEIVED BY        DATE        TIME       

#2 RECEIVED BY Cynthia C. Ash DATE 12/19/91 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.

Job No: 91.2733

\*\*\*\*\*

SAMPLE NO: 41508

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 12/19/1991

Date Collected: 12/19/1991

LOCATION : PT-18

Time Collected: 11:20

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PARAMETER		RESULTS	UNITS
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		157.	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		1.70	ug/L
trans-1,2-Dichloroethene		3.00	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		<1.0	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		3710.	ug/L
Trichlorofluoromethane		<1.0	ug/L
Vinyl Chloride		<1.0	ug/L



91.3755

5854 Butternut Drive  
East Syracuse, NY  
13057

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

(315) 446-8795

LAB SAMPLE LOG NO. 41507 JOB NO. 82680

#### SOURCE

CLIENT Seneca Army Depot  
LOCATION LF

WELL NO. PT-12  
WELL TYPE/SIZE 2" PVC

#### EVACUATION

DATE 12-19-91

WELL DEPTH 12.3  
DEPTH TO WATER 5.92  
WELL VOLUME 1.02  
METHOD Manual  
NO. OF VOLUMES 3  
TOTAL VOLUME 1 gal dry

ITEM	START	FINISH
TIME		1300
pH	7	7
TEMP.	10°C	10°C
DEPTH		5.92
COLOR	clear	clear
APPEAR	Low Turb	

#### SAMPLING

DATE 12-19-91 pH 7.01

TIME 11:10  
METHOD PVC Bailer  
CONTAINER 2 vials  
SAMPLED BY BRM, JS

TEMP. 10°C  
COLOR clear  
TURB Low  
REDOX — | COND 1080

#### PRESERVATION

DATE 12-19-91

FILTERED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>  
 HCL  SOD. THIO.  
 COOLED TO 4°C  OTHER \_\_\_\_\_

#### CUSTODY

SAMPLERS SIGNATURE Joe Sanfilippo  
TRANSFERRED TO #1

RECEIVED BY #1 Cynthia C. Ash DATE 12/19/91 TIME \_\_\_\_\_  
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

Job No: 91.2733

Formerly, NET Northeast, Inc.

\*\*\*\*\*

SAMPLE NO: 41507

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 12/19/1991

Date Collected: 12/19/1991

LOCATION : PT-12

Time Collected: 11:10

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PARAMETER		RESULTS	UNITS
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		2.7	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		<1.0	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		170.	ug/L
Trichlorofluoromethane		<1.0	ug/L
Vinyl Chloride		1.5	ug/L



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.

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

Date: 12/31/1991  
Job No: 91.2733

Attention: MR. MARK PAPROCKI

Purchase Order No:  
Account Number: 82680

Project: Seneca Army Landfill

Subject: Samples received on 12/19/1991, identified as PT-12, PT-18,  
PT-20, PT-21, PT-22, Barnwell, Farm House Deep, Farm House  
Shallow and Trip Blank.

Project Manager: Bindy Dain

NET Atlantic, Syracuse Division

A handwritten signature in black ink, appearing to read "Richard W. Balamut", is written over a horizontal line.

Richard W. Balamut  
Division Manager

NET warrants that any sampling and analysis 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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 East Syracuse, NY  
 13057  
 (315) 446-8795

MONITORING WELL  
 SAMPLE CHARACTERIZATION AND  
 CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. 41496 JOB NO. 82680

SOURCE

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

EVACUATION

DATE 12-17-91

WELL DEPTH 10.5'  
 DEPTH TO WATER 7.79'  
 WELL VOLUME .43g  
 METHOD bailed  
 NO. OF VOLUMES 2  
 TOTAL VOLUME 1g. Dry

ITEM	START	FINISH
TIME		12:25
pH	7	7
TEMP.	10°C	10°C
DEPTH	7.79	
COLOR	Dk. Br.	Dk Br.
APPEAR	High Turb	

SAMPLING

DATE 12-18-91 pH 7.36

TIME 11:10 TEMP. 10°C  
 METHOD bailed COLOR Dk Brown  
 CONTAINER 2 vials TURB High  
 SAMPLED BY BRM, JS REDOX - COND 650

PRESERVATION

DATE 12-18-91

FILTERED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>  
 HCL  SOD THIO.   
 COOLED TO 4° C  OTHER \_\_\_\_\_

CUSTODY

SAMPLERS SIGNATURE Brian A. H. [Signature]  
 TRANSFERED TO #1 \_\_\_\_\_  
 RECIEVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_  
 #2 \_\_\_\_\_  
 RECIEVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

FIELD NOTES:



Job No: 91.2725

Formerly: NET Northeast, Inc.

\*\*\*\*\*

SAMPLE NO: 41496

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 12/19/1991

Date Collected: 12/18/1991

LOCATION : MW-33

Time Collected: 11:10

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PARAMETER		RESULTS	UNITS
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		<1.0	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		<1.0	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		<1.0	ug/L
Trichlorofluoromethane		<1.0	ug/L
Vinyl Chloride		<1.0	ug/L



# MONITORING WELL SAMPLE CHARACTERIZATION AND CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. 41495 JOB NO. 82680

### SOURCE

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

### EVACUATION

DATE 12-17-91

WELL DEPTH 10.5'  
DEPTH TO WATER 7.59'  
WELL VOLUME .46  
METHOD bailed  
NO. OF VOLUMES 2  
TOTAL VOLUME 1g Dry

ITEM	START	FINISH
TIME		12:40
pH	7	7
TEMP.	6°C	6°C
DEPTH	7.59'	
COLOR	Lk. Br.	Lk. Br.
APPEAR	High Turb	

### SAMPLING

DATE 12-18-91 pH 7.24

TIME 11:15 TEMP. 6°C  
METHOD bailed COLOR Lk. Brown  
CONTAINER 2 vials TURB High  
SAMPLED BY BRM, JS REDOX - COND 830

### PRESERVATION

DATE 12-18-91

FILTERED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>  
 HCL  SOD: THIO.  
 COOLED TO 4°C  OTHER \_\_\_\_\_

### CUSTODY

SAMPLERS SIGNATURE BRM  
TRANSFERRED TO #1 \_\_\_\_\_  
RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_  
#2 \_\_\_\_\_  
RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

### FIELD NOTES:





Job No: 91.2725

Formerly NET Northeast, Inc.

\*\*\*\*\*

SAMPLE NO: 41495

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 12/19/1991

Date Collected: 12/18/1991

LOCATION : MW-32

Time Collected: 11:15

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PARAMETER		RESULTS	UNITS
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		<1.0	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		<1.0	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		<1.0	ug/L
Trichlorofluoromethane		<1.0	ug/L
Vinyl Chloride		<1.0	ug/L



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

MONITORING WELL  
 SAMPLE CHARACTERIZATION AND  
 CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. 41494 JOB NO. 82680

SOURCE

CLIENT Seneca Army Depot WELL NO. MW-31  
 LOCATION LF WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 12-18-91

ITEM	START	FINISH
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WELL DEPTH 10.5'  
 DEPTH TO WATER 5.82'  
 WELL VOLUME .75  
 METHOD bailed  
 NO. OF VOLUMES 3  
 TOTAL VOLUME 2g.

TIME		13:10
PH	7	7
TEMP.	10°C	10°C
DEPTH	5.82'	
COLOR	DK Br.	DK Br.
APPEAR	High Turb	

SAMPLING

DATE 12-18-91 PH 7.31

TIME 11:35 TEMP. 10°C  
 METHOD bailed COLOR DK Brown  
 CONTAINER 2 vials TURB High  
 SAMPLED BY BR-MJS REDOX - COND 660

PRESERVATION

DATE 12-18-91

FILTERED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>  
 HCL  SOD. THIO.  OTHER \_\_\_\_\_  
 COOLED TO 4° C  OTHER \_\_\_\_\_

CUSTODY

SAMPLERS SIGNATURE Brian D. Fisher  
 TRANSFERED TO #1  
 RECIEVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_  
 #2  
 RECIEVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

FIELD NOTES:



Job No: 91.2725

\*\*\*\*\*

SAMPLE NO: 41494

LABORATORY ANALYSIS REPORT

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Date Received : 12/19/1991

Date Collected: 12/18/1991

LOCATION : MW-31

Time Collected: 11:35

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PARAMETER		RESULTS	UNITS
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		<1.0	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		<1.0	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		<1.0	ug/L
Trichlorofluoromethane		<1.0	ug/L
Vinyl Chloride		<1.0	ug/L



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 13057  
 (315) 446-8795

MONITORING WELL  
 SAMPLE CHARACTERIZATION AND  
 CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. 4149B

JOB NO. \_\_\_\_\_

SOURCE

CLIENT Seneca Army Depot

WELL NO. MW 30

LOCATION LF

WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 12-17-91

WELL DEPTH 10.5'

DEPTH TO WATER 7.62'

WELL VOLUME 45g.

METHOD bailed

NO. OF VOLUMES 3

TOTAL VOLUME 1.5g.

ITEM	START	FINISH
TIME		14:35
PH	7	7
TEMP.	10°C	10°C
DEPTH	7.62'	
COLOR	Dk. Br.	Dk. Br.
APPEAR	High Turb	

SAMPLING

DATE 12-17-91

PH 7.25

TIME 12:35

TEMP. 10°C

METHOD bailed

COLOR Dk Brown

CONTAINER 2 vials

TURB High

SAMPLED BY BRM, JS

REDOX. — COND 850

PRESERVATION

DATE 12-18-91

FILTERED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>

HCL  SOD. THIO.

COOLED TO 4 C  OTHER \_\_\_\_\_

CUSTODY

SAMPLERS SIGNATURE Brian R. Hunter

TRANSFERRED TO #1

RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ 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.

Job No: 91.2725

\*\*\*\*\*

SAMPLE NO: 41493

LABORATORY ANALYSIS REPORT

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Date Received : 12/19/1991

Date Collected: 12/18/1991

LOCATION : MW-30

Time Collected: 12:35

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PARAMETER		RESULTS	UNITS
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		<1.0	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		<1.0	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		2.4	ug/L
Trichlorofluoromethane		<1.0	ug/L
Vinyl Chloride		<1.0	ug/L



# MONITORING WELL SAMPLE CHARACTERIZATION AND CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. 41492

JOB NO. \_\_\_\_\_

## SOURCE

CLIENT Seneca Army Depot

WELL NO. MW-29

LOCATION LF

WELL TYPE/SIZE 2" PVC

## EVACUATION

DATE 12-17-91

WELL DEPTH 10.5'

DEPTH TO WATER 7.19'

WELL VOLUME .52g.

METHOD hailed

NO. OF VOLUMES 2

TOTAL VOLUME 1g. Dry

ITEM	START	FINISH
TIME		14:20
PH	7	7
TEMP.	10°C	10°C
DEPTH	7.19'	
COLOR	Lk Br.	Lk Br.
APPEAR	High Turb	

## SAMPLING

DATE 12-18-91

PH 7.17

TIME 12:25

TEMP. 10°C

METHOD hailed

COLOR Lk Brown

CONTAINER 2 vials

TURB High

SAMPLED BY ARM, JS

REDOX. — | COND 860

## PRESERVATION

DATE 12-18-91

FILTERED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>

HCL  SOD. THIO.  OTHER \_\_\_\_\_

COOLED TO 4° C  OTHER \_\_\_\_\_

## CUSTODY

SAMPLERS SIGNATURE [Signature]  
TRANSFERRED TO #1 \_\_\_\_\_

RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

#2  
RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

## FIELD NOTES:



Job No: 91.2725

Formerly NET Northeast, Inc.

\*\*\*\*\*

SAMPLE NO: 41492

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 12/19/1991

Date Collected: 12/18/1991

LOCATION : MW-29

Time Collected: 12:25

-----

PARAMETER		RESULTS	UNITS
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		<1.0	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		<1.0	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		1.2	ug/L
Trichlorofluoromethane		<1.0	ug/L
Vinyl Chloride		<1.0	ug/L



# MONITORING WELL SAMPLE CHARACTERIZATION AND CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. 41491

JOB NO. 82680

### SOURCE

CLIENT Seneca Army Depot  
LOCATION LF

WELL NO. MW-28  
WELL TYPE/SIZE 2" PVC

### EVACUATION

DATE 12-17-91

WELL DEPTH 10.5'  
DEPTH TO WATER 5.57'  
WELL VOLUME .78 g.  
METHOD bailed  
NO. OF VOLUMES 3  
TOTAL VOLUME 2.5g.

ITEM	START	FINISH
TIME		13:55
PH	7	7
TEMP.	11°C	11°C
DEPTH	5.57'	
COLOR	Dk. Br.	Dk. Br.
APPEAR	High Turb	

### SAMPLING

DATE 12-18-91 PH 7.34

TIME 12:05  
METHOD bailed  
CONTAINER 2 vials  
SAMPLED BY ARM, JS

TEMP. 11°C  
COLOR Dk. Brown  
TURB High  
REDOX — COND 670

### PRESERVATION

DATE 12-18-91

FILTERED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>  
 HCL  SOD. THIO.  
 COOLED TO 4°C  OTHER \_\_\_\_\_

### CUSTODY

SAMPLERS SIGNATURE Brian R. Winkler  
TRANSFERRED TO #1

RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

#2  
RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

### FIELD NOTES:





Job No: 91.2725

\*\*\*\*\*

SAMPLE NO: 41491

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 12/19/1991

Date Collected: 12/18/1991

LOCATION : MW-28

Time Collected: 12:05

-----

PARAMETER		RESULTS	UNITS
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		<1.0	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		<1.0	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		30.2	ug/L
Trichlorofluoromethane		<1.0	ug/L
Vinyl Chloride		<1.0	ug/L



91.2735

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13057  
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### MONITORING WELL SAMPLE CHARACTERIZATION AND CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. 41490

JOB NO. 82680

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

<b>EVACUATION</b>		DATE <u>12-17-91</u>
WELL DEPTH <u>10.5'</u>	ITEM	START
DEPTH TO WATER <u>5.82'</u>	TIME	FINISH
WELL VOLUME <u>75g.</u>	PH	<u>13:45</u>
METHOD <u>bailed</u>	TEMP.	<u>7</u>
NO. OF VOLUMES <u>1</u>	DEPTH	<u>7°C</u>
TOTAL VOLUME <u>1g. Dry</u>	COLOR	<u>7°C</u>
	APPEAR	<u>5.82</u>
		<u>Dk. Br.</u>
		<u>Dk Br.</u>
		<u>High Turb</u>

<b>SAMPLING</b>		DATE <u>12-18-91</u>	pH <u>7.41</u>
TIME <u>11:55</u>	TEMP.	<u>7°C</u>	
METHOD <u>bailed</u>	COLOR	<u>Dk Brown</u>	
CONTAINER <u>2 vials</u>	TURB	<u>High</u>	
SAMPLED BY <u>BRM, JS</u>	REDOX	<u>—</u>	COND <u>870</u>

<b>PRESERVATION</b>		DATE <u>12-18-91</u>			
FILTERED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	TIME	BY			
PRESERVED YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	TIME	BY			
PRESERVATIVE	<input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub>	<input type="checkbox"/> HNO <sub>3</sub>	<input type="checkbox"/> NaOH	<input type="checkbox"/> H <sub>3</sub> PO <sub>4</sub> +C <sub>2</sub> SO <sub>4</sub>	<input type="checkbox"/> Zn(C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sub>2</sub>
	<input checked="" type="checkbox"/> HCL	<input type="checkbox"/> SOD.	THIO.		
	<input checked="" type="checkbox"/> COOLED TO 4°C	<input type="checkbox"/> OTHER			

<b>CUSTODY</b>	
SAMPLERS SIGNATURE <u>Brian R. [Signature]</u>	
TRANSFERRED TO #1	
RECEIVED BY _____	DATE _____ TIME _____
#2	
RECEIVED BY _____	DATE _____ TIME _____

**FIELD NOTES:**



Job No: 91.2725

Formerly NET Northeast, Inc.

\*\*\*\*\*

SAMPLE NO: 41490

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 12/19/1991

Date Collected: 12/18/1991

LOCATION : MW-27

Time Collected: 11:55

-----

PARAMETER		RESULTS	UNITS
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		<1.0	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		<1.0	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		<1.0	ug/L
Trichlorofluoromethane		<1.0	ug/L
Vinyl Chloride		<1.0	ug/L



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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.

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

Date: 12/30/1991  
Job No: 91.2725

Attention: MR. MARK PAPROCKI

Purchase Order No:  
Account Number: 82680

Project: Seneca Army Landfill

Subject: Samples received on 12/19/1991, identified as MW-27 through  
MW-33.

Project Manager: Bindy Dain

NET Atlantic, Syracuse Division

A handwritten signature in black ink, appearing to read "Richard W. Balamut", is written over the typed name.

Richard W. Balamut  
Division Manager

NET warrants that any sampling and analysis 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 CONTACT \_\_\_\_\_  
P.O. # \_\_\_\_\_

CLIENT # 82690  
PHONE ( ) \_\_\_\_\_  
LOG # 41489

SAMPLING:

SAMPLE ID: Trip LOCATION: \_\_\_\_\_  
SAMPLE TYPE: \_\_\_\_\_ SOIL  WATER \_\_\_\_\_ OIL \_\_\_\_\_ SEDIMENT \_\_\_\_\_ WIP  
OTHER \_\_\_\_\_

COLLECTION METHOD: \_\_\_\_\_ 24HR COMPOSITE  MANUAL GRAB \_\_\_\_\_ WIPE  
\_\_\_\_\_ FLOW COMPOSITE OTHER \_\_\_\_\_

COMPOSITE:

SET: DATE \_\_\_\_\_ TIME \_\_\_\_\_ BY \_\_\_\_\_  
PICKED UP: DATE \_\_\_\_\_ TIME \_\_\_\_\_ BY \_\_\_\_\_  
ANUAL GRAB: DATE 12-18-91 TIME 0830 BY ARM  
FLOW: \_\_\_\_\_ UNITS: \_\_\_\_\_ GPM \_\_\_\_\_ GPD \_\_\_\_\_ MGD

PRESERVATION:

DATE 12-18-91 TIME 0830 BY \_\_\_\_\_

PRESERVATIVE: \_\_\_\_\_ H<sub>2</sub>SO<sub>4</sub> \_\_\_\_\_ HNO<sub>3</sub> \_\_\_\_\_ NaOH  HCl \_\_\_\_\_ Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>  
 COOLED TO 4 DEGREES CELSIUS \_\_\_\_\_ TEFLON LINER  
OTHER \_\_\_\_\_

CONTAINERS:

2 vials

NOTES:

CUSTODY:

COLLECTED BY: Brian R. M. De... DATE: \_\_\_\_\_  
DELIVERED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_  
RECEIVED BY: [Signature] DATE: 12/18/91 TIME: \_\_\_\_\_  
LOGGED IN BY: \_\_\_\_\_



Job No: 91.2724

Formerly NET Northeast, Inc.

\*\*\*\*\*

SAMPLE NO: 41489

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 12/19/1991

Date Collected: 12/18/1991

LOCATION : TRIP BLANK

Time Collected: 08:30

-----

PARAMETER	AQ	RESULTS	UNITS
Volatiles by GC/MS 624			
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		<1.0	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		<1.0	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		<1.0	ug/L
Trichlorofluoromethane		<1.0	ug/L
Vinyl Chloride		<1.0	ug/L



MONITORING WELL  
 SAMPLE CHARACTERIZATION AND  
 CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. 41488

JOB NO. \_\_\_\_\_

SOURCE

CLIENT Seneca Army Depot

WELL NO. PT-26

LOCATION LF

WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 12-17-91

WELL DEPTH 14'

DEPTH TO WATER 10.42'

WELL VOLUME .57g

METHOD bailed

NO. OF VOLUMES 3

TOTAL VOLUME 2g.

ITEM	START	FINISH
TIME		<del>15:15</del> 15:15
pH	7	7
TEMP.	10°C	10°C
DEPTH	10.42'	
COLOR	Lt. Br.	Lt. Br.
APPEAR	High Turb	

SAMPLING

DATE 12-18-91

pH 7.54

TIME 13:10

TEMP. 10°C

METHOD bailed

COLOR Lt. Brown

CONTAINER 2 vials

TURB High

SAMPLED BY BRM JS

REDOX - COND 810

PRESERVATION

DATE 12-18-91

FILTERED - YES \_\_\_\_\_ NO X TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVED YES X NO \_\_\_\_\_ TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>  
 HCL  SOD. THIO.  
 COOLED TO 4°C  OTHER \_\_\_\_\_

CUSTODY

SAMPLERS SIGNATURE Brian R. [Signature]  
 TRANSFERED TO #1

RECEIVED BY Cynthia [Signature] DATE 12/18/91 TIME \_\_\_\_\_

RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

FIELD NOTES:



Job No: 91.2724

Formerly NET Northeast, Inc.

\*\*\*\*\*

SAMPLE NO: 41488

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 12/19/1991

Date Collected: 12/18/1991

LOCATION : PT-26

Time Collected: 13:10

-----

PARAMETER		RESULTS	UNITS
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		<1.0	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		4.1	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		<1.0	ug/L
Trichlorofluoromethane		1.7	ug/L
Vinyl Chloride		<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. 41487

JOB NO. 82680

## SOURCE

CLIENT Seneca Army Depot  
LOCATION LF

WELL NO. PT-25  
WELL TYPE/SIZE 2" PVC

## EVACUATION

DATE 12-17-91

WELL DEPTH 12'  
DEPTH TO WATER 6.96'  
WELL VOLUME .80g  
METHOD bailed  
NO. OF VOLUMES 3  
TOTAL VOLUME 2.5g.

ITEM	START	FINISH
TIME		12:55
PH	8.7	7
TEMP.	8°C	8°C
DEPTH	6.96'	
COLOR	Dk. Br.	Dk. Br.
APPEAR	High Turb	

## SAMPLING

DATE 12-18-91 PH 7.35

TIME 11:25  
METHOD bailed  
CONTAINER 2 vials  
SAMPLED BY BRM JS

TEMP. 8°C  
COLOR Dk. Brown  
TURB High  
REDOX — COND 550

## PRESERVATION

DATE 12-18-91

FILTERED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>  
 HCL  SOD THIO.  
 COOLED TO 4°C  OTHER \_\_\_\_\_

## CUSTODY

SAMPLERS SIGNATURE Brian R. Anderson  
TRANSFERED TO #1

RECEIVED BY Amelia C. Ash DATE 12/18/91 TIME \_\_\_\_\_

RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

## FIELD NOTES:



# MONITORING WELL SAMPLE CHARACTERIZATION AND CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. 41486

JOB NO. 82680

### SOURCE

CLIENT Seneca Army Depot  
LOCATION LF

WELL NO. PT-24  
WELL TYPE/SIZE 2" PVC

### EVACUATION

DATE 12-17-91

WELL DEPTH 11.8'  
DEPTH TO WATER 4.98  
WELL VOLUME 1.09  
METHOD bailed  
NO. OF VOLUMES 3  
TOTAL VOLUME 3.5g

ITEM	START	FINISH
TIME		14:10
pH	7	7
TEMP.	8°C	8°C
DEPTH	4.98'	
COLOR	Dk. Br	Dk. Br
APPEAR	High	

### SAMPLING

DATE 12-18-91

pH 7.28

TIME 12:15  
METHOD bailed  
CONTAINER 2 vials  
SAMPLED BY BRM JS

TEMP. 8°C  
COLOR Dk. Brown  
TURB High  
REDOX - | COND 740

### PRESERVATION

DATE 12-18-91

FILTERED - YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>  
 HCL  SOD. THIO.  
 COOLED TO 4°C  OTHER \_\_\_\_\_

### CUSTODY

SAMPLERS SIGNATURE Brian R. Miller  
TRANSFERED TO #1

RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

#2 RECEIVED BY Cynthia C. Cook DATE 12/18/91 TIME \_\_\_\_\_

### FIELD NOTES:



Job No: 91.2724

\*\*\*\*\*

SAMPLE NO: 41487

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 12/19/1991

Date Collected: 12/18/1991

LOCATION : PT-25

Time Collected: 11:25

-----

PARAMETER		RESULTS	UNITS
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		<1.0	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		1.3	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		<1.0	ug/L
Trichlorofluoromethane		<1.0	ug/L
Vinyl Chloride		<1.0	ug/L



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Fax: (315) 449-1611

Job No: 91.2724

Formerly NET Northeast, Inc.

\*\*\*\*\*

SAMPLE NO: 41486

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 12/19/1991

Date Collected: 12/18/1991

LOCATION : PT-24

Time Collected: 12:15

-----

PARAMETER		RESULTS	UNITS
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		<1.0	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		126.	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		2.8	ug/L
Trichlorofluoromethane		<1.0	ug/L
Vinyl Chloride		<1.0	ug/L



# MONITORING WELL SAMPLE CHARACTERIZATION AND CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. 41485

JOB NO. 82680

## SOURCE

CLIENT Seneca Army Depot

WELL NO. PT-23

LOCATION LF

WELL TYPE/SIZE 2" PVC

## EVACUATION

DATE 12-17-91

WELL DEPTH 12'

DEPTH TO WATER 6.47'

WELL VOLUME .89

METHOD bailed

NO. OF VOLUMES 1

TOTAL VOLUME 1 g Dry

ITEM START FINISH

TIME		13:25
PH	7	7
TEMP.	9°C	9°C
DEPTH	6.47	
COLOR	Lt. Br.	Lt. Br.
APPEAR	Med Turb.	

## SAMPLING

DATE 12-18-91

PH 7.38

TIME 11:45

TEMP. 9°C

METHOD bailed

COLOR Lt. Brown

CONTAINER 2 vials

TURB med

SAMPLED BY BRM JS

REDOX — | COND 670

## PRESERVATION

DATE 12-18-91

FILTERED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>

HCL  SOD. THIO.

COOLED TO 4°C  OTHER \_\_\_\_\_

## CUSTODY

SAMPLERS SIGNATURE Brian R. Anderson  
TRANSFERED TO #1

RECEIVED BY A. J. [Signature] DATE 12/18/91 TIME \_\_\_\_\_

#2 RECEIVED BY Cynthia [Signature] DATE 12/18/91 TIME \_\_\_\_\_

## FIELD NOTES:



Job No: 91.2724

Formerly NET Northeast, Inc.

\*\*\*\*\*

SAMPLE NO: 41485

LABORATORY ANALYSIS REPORT

\*\*\*\*\*

Date Received : 12/19/1991

Date Collected: 12/18/1991

LOCATION : PT-23

Time Collected: 11:45

-----

PARAMETER		RESULTS	UNITS
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		<1.0	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		7.9	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		<1.0	ug/L
Trichlorofluoromethane		3.0	ug/L
Vinyl Chloride		<1.0	ug/L



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MONITORING WELL  
 SAMPLE CHARACTERIZATION AND  
 CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. 41484

JOB NO. \_\_\_\_\_

SOURCE

CLIENT Seneca Army Depot

WELL NO. PT-17

LOCATION LF

WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 12-17-91

WELL DEPTH 11.5'  
 DEPTH TO WATER 5.28'  
 WELL VOLUME .99 g.  
 METHOD bailed  
 NO. OF VOLUMES 3  
 TOTAL VOLUME 3 g

ITEM	START	FINISH
TIME		14.45
pH	7	7
TEMP.	8°C	8°C
DEPTH	5.28'	
COLOR	Lt. Br.	Lt. Br.
APPEAR	Med Turb	

SAMPLING

DATE 12-18-91

pH 7.26

TIME 12 40  
 METHOD bailed  
 CONTAINER 2 vials  
 SAMPLED BY BRM, JS

TEMP. 8°C  
 COLOR lt. Brown  
 TURB Med  
 REDOX. — | COND 800

PRESERVATION

DATE 12-18-91

FILTERED YES \_\_\_\_\_ NO  TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVED YES  NO \_\_\_\_\_ TIME \_\_\_\_\_ BY \_\_\_\_\_

PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>  
 HCL  SOD  THIO.  
 COOLED TO 4°C  OTHER \_\_\_\_\_

CUSTODY

SAMPLERS SIGNATURE Brian R. Anderson  
 TRANSFERED TO #1 \_\_\_\_\_  
 RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_  
 #2 \_\_\_\_\_  
 RECEIVED BY Anthony C. Clark DATE 12/18/91 TIME \_\_\_\_\_

FIELD NOTES:



Job No: 91.2724

Formerly NET Northeast, Inc.

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SAMPLE NO: 41484

LABORATORY ANALYSIS REPORT

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Date Received : 12/19/1991

Date Collected: 12/18/1991

LOCATION : PT-17

Time Collected: 12:40

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PARAMETER		RESULTS	UNITS
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		<1.0	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		<1.0	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		75.1	ug/L
Trichlorofluoromethane		<1.0	ug/L
Vinyl Chloride		<1.0	ug/L





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

MONITORING WELL  
 SAMPLE CHARACTERIZATION AND  
 CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. 4148B JOB NO. 82680

**SOURCE**

CLIENT Seneca Army Depot WELL NO. PT-16  
 LOCATION LP WELL TYPE/SIZE 2" PVC

**EVACUATION** DATE 12-17-91

ITEM	START	FINISH
WELL DEPTH <u>11.5'</u>		11:40
DEPTH TO WATER <u>4.21'</u>	7	7
WELL VOLUME <u>1.17g</u>	TEMP. <u>7°C</u>	7°C
METHOD <u>bailed</u>	DEPTH <u>4.21'</u>	
NO. OF VOLUMES <u>3</u>	COLOR <u>Lt. Br.</u>	Lt. Br
TOTAL VOLUME <u>3.5g</u>	APPEAR <u>High</u>	

**SAMPLING** DATE 12-18-91 pH 7.36

TIME 10:50 TEMP. 7°C  
 METHOD bailed COLOR Lt. Brown  
 CONTAINER 2 vials TURB High  
 SAMPLED BY BRM, JS REDOX — COND 660

**PRESERVATION** DATE 12-18-91

FILTERED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_  
 PRESERVED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_  
 PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>  
 HCL  SOD. THIO.  OTHER \_\_\_\_\_  
 COOLED TO 4°C  OTHER \_\_\_\_\_

**CUSTODY**

SAMPLERS SIGNATURE Brian R. McKelton  
 TRANSFERRED TO #1 \_\_\_\_\_  
 RECEIVED BY [Signature] DATE 12/18/91 TIME \_\_\_\_\_  
 #2 \_\_\_\_\_  
 RECEIVED BY [Signature] DATE 12/18/91 TIME \_\_\_\_\_

**FIELD NOTES:**



Job No: 91.2724

Formerly NET Northeast, Inc.

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SAMPLE NO: 41483

LABORATORY ANALYSIS REPORT

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Date Received : 12/19/1991

Date Collected: 12/18/1991

LOCATION : PT-16

Time Collected: 10:50

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PARAMETER		RESULTS	UNITS
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		<1.0	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		<1.0	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		<1.0	ug/L
Trichlorofluoromethane		<1.0	ug/L
Vinyl Chloride		<1.0	ug/L



MONITORING WELL  
SAMPLE CHARACTERIZATION AND  
CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. 41482

JOB NO. 82680

SOURCE

CLIENT Seneca Army Depot

WELL NO. PT-15

LOCATION LF

WELL TYPE/SIZE 2" PVC

EVACUATION

DATE 12-17-91

WELL DEPTH 19.5'

DEPTH TO WATER 8.48'

WELL VOLUME 1.76 g

METHOD bailed

NO. OF VOLUMES 1

TOTAL VOLUME 2 g Dry

ITEM	START	FINISH
TIME		12:10
PH	7	7
TEMP.	8°C	8°C
DEPTH	8.48'	
COLOR	Lt. Br.	Lt. Br.
APPEAR	High Turb	

SAMPLING

DATE 12-18-91

PH 7.58

TIME 11:00

TEMP. 8°C

METHOD bailed

COLOR Lt. Brown

CONTAINER 2 vials

TURB High

SAMPLED BY BRM JS

REDOX — COND 600

PRESERVATION

DATE 12-18-91

FILTERED - YES  NO  TIME        BY       

PRESERVED YES  NO  TIME        BY       

PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>  
 HCL  SOD. THIO.  OTHER         
 COOLED TO 4°C  OTHER       

CUSTODY

SAMPLERS SIGNATURE Brian R. Markon  
 TRANSFERRED TO #1

RECEIVED BY        DATE        TIME       

#2

RECEIVED BY Cynthia C. Ash DATE 12/18/91 TIME       

FIELD NOTES:



Job No: 91.2724

\*\*\*\*\*

SAMPLE NO: 41482

LABORATORY ANALYSIS REPORT

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Date Received : 12/19/1991

Date Collected: 12/18/1991

LOCATION : PT-15

Time Collected: 11:00

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PARAMETER		RESULTS	UNITS
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		<1.0	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		<1.0	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		<1.0	ug/L
Trichlorofluoromethane		<1.0	ug/L
Vinyl Chloride		<1.0	ug/L



MONITORING WELL  
 SAMPLE CHARACTERIZATION AND  
 CHAIN OF CUSTODY SHEET

LAB SAMPLE LOG NO. 41481 JOB NO. 82680

**SOURCE**

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

**EVACUATION** DATE: 12-17-91

ITEM	START	FINISH
WELL DEPTH <u>19.4'</u>		<u>11:20</u>
DEPTH TO WATER <u><del>2.13</del> 6.06'</u>		<u>7</u>
WELL VOLUME <u>2.13g</u>		<u>7°C</u>
METHOD <u>bailed</u>	<u>6.06'</u>	
NO. OF VOLUMES <u>1</u>	<u>Lt. Brown</u>	<u>Lt. Br.</u>
TOTAL VOLUME <u>2.5g Dry</u>	<u>Med Turb</u>	

**SAMPLING** DATE 12-18-91 pH 7.40

TIME 10:40 TEMP. 7°C  
 METHOD bailed COLOR Lt Brown  
 CONTAINER 2 vials TURB Med  
 SAMPLED BY BRM JS REDOX: — COND 1110

**PRESERVATION** DATE: 12-18-91

FILTERED - YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_  
 PRESERVED YES  NO  TIME \_\_\_\_\_ BY \_\_\_\_\_  
 PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>  
 HCL  SOD. THIO.  OTHER \_\_\_\_\_  
 COOLED TO 4°C  OTHER \_\_\_\_\_

**CUSTODY**

SAMPLERS SIGNATURE Brian R. Michler  
 TRANSFERRED TO #1  
 RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_  
 #2  
 RECEIVED BY Cynthia C. Ash DATE 12/18/91 TIME \_\_\_\_\_

**FIELD NOTES:**



Job No: 91.2724

Formerly NET Northeast, Inc.

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SAMPLE NO: 41481

LABORATORY ANALYSIS REPORT

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Date Received : 12/19/1991

Date Collected: 12/18/1991

LOCATION : PT-11

Time Collected: 10:40

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PARAMETER	AQ	RESULTS	UNITS
Volatiles by GC/MS 624			
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		<1.0	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		<1.0	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		<1.0	ug/L
Trichlorofluoromethane		<1.0	ug/L
Vinyl Chloride		<1.0	ug/L



91.2784

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

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

LAB SAMPLE LOG NO. 41480

JOB NO. 82680

#### SOURCE

CLIENT Seneca Army Depot

WELL NO. PT-10

LOCATION LF

WELL TYPE/SIZE 2" PUC

#### EVACUATION

DATE 12-17-91

WELL DEPTH 46.2'

DEPTH TO WATER 7.06'

WELL VOLUME 6.26 g

METHOD bailed

NO. OF VOLUMES 2

TOTAL VOLUME 13 g Dry

ITEM	START	FINISH
TIME	<u>11:00</u>	<u>11:00</u>
pH	<u>7</u>	<u>7</u>
TEMP.	<u>11°C</u>	<u>11°C</u>
DEPTH	<u>7.06'</u>	
COLOR	<u>C1</u>	<u>C1</u>
APPEAR	<u>Low Turb</u>	

#### SAMPLING

DATE 12-18-91

pH 7.23

TIME 10:30

TEMP. 11°C

METHOD bailed

COLOR clear

CONTAINER 2 vials

TURB Low

SAMPLED BY BRM, JS

REDOX. — | COND 930

#### PRESERVATION

DATE 12-18-91

FILTERED - YES — NO X TIME — BY —

PRESERVED YES X NO — TIME — BY —

PRESERVATIVE  H<sub>2</sub>SO<sub>4</sub>  HNO<sub>3</sub>  NaOH  H<sub>3</sub>PO<sub>4</sub>+C<sub>2</sub>SO<sub>4</sub>  Zn(C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>)<sub>2</sub>

HCL  SOD. THIO.  OTHER —

COOLED TO 4°C  OTHER —

#### CUSTODY

SAMPLERS SIGNATURE Brian R. Thibodeau

TRANSFERRED TO #1 RECEIVED BY — DATE — TIME —

#2 RECEIVED BY Cynthia E. Ash DATE 12/18/91 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.

Job No: 91.2724

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SAMPLE NO: 41480

LABORATORY ANALYSIS REPORT

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Date Received : 12/19/1991

Date Collected: 12/18/1991

LOCATION : PT-10

Time Collected: 10:30

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PARAMETER		RESULTS	UNITS
Volatiles by GC/MS 624	AQ		
Benzene		<1.0	ug/L
Bromodichloromethane		<1.0	ug/L
Bromoform		<1.0	ug/L
Bromomethane		<1.0	ug/L
Carbon Tetrachloride		<1.0	ug/L
Chlorobenzene		<1.0	ug/L
Chloroethane		<1.0	ug/L
2-Chloroethylvinyl ether		<1.0	ug/L
Chloroform		<1.0	ug/L
Chloromethane		<1.0	ug/L
Dibromochloromethane		<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
1,1-Dichloroethane		<1.0	ug/L
1,2-Dichloroethane		<1.0	ug/L
1,1-Dichloroethene		<1.0	ug/L
trans-1,2-Dichloroethene		<1.0	ug/L
1,2-Dichloropropane		<1.0	ug/L
cis-1,3-Dichloropropene		<1.0	ug/L
trans-1,3-Dichloropropene		<1.0	ug/L
Ethylbenzene		<1.0	ug/L
Methylene Chloride		<1.0	ug/L
1,1,2,2-Tetrachloroethane		<1.0	ug/L
Tetrachloroethene		<1.0	ug/L
Toluene		<1.0	ug/L
1,1,1-Trichloroethane		<1.0	ug/L
1,1,2-Trichloroethane		<1.0	ug/L
Trichloroethene		<1.0	ug/L
Trichlorofluoromethane		<1.0	ug/L
Vinyl Chloride		<1.0	ug/L