

**ENGINEERING INVESTIGATIONS AT  
INACTIVE HAZARDOUS WASTE SITES  
PRELIMINARY SITE ASSESSMENT**

FRANKLIN CLEANERS SITE  
TOWN OF HEMPSTEAD

SITE NO. 130050  
NASSAU COUNTY

**DATE: MARCH 1993  
Volume II – Supporting Documentation**



Prepared for:  
**NEW YORK STATE**

**DEPARTMENT OF ENVIRONMENTAL CONSERVATION**

50 Wolf Road, Albany, New York 12233

Thomas C. Jorling, Commissioner

Division of Hazardous Waste Remediation  
Michael J. O'Toole, Jr., P.E., Director

BY:  
**NASSAU COUNTY DEPARTMENT OF PUBLIC WORKS**  
Division of Sanitation and Water Supply  
Hazardous Waste Services Unit

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**Engineering Investigations at Inactive Hazardous Waste Sites  
Preliminary Site Assessment  
Franklin Cleaners Site      Site No. 130050  
Volume II - Supporting Documentation**

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- C. NYTEST Environmental Inc., Laboratory Report Sheets

A

Contamination of Private Well Located At 6 Linden Ave.,  
Hempstead, N.Y., July 1990, Nassau County Department of  
Health

THOMAS S. GULOTTA  
COUNTY EXECUTIVE



NASSAU COUNTY  
DEPARTMENT OF HEALTH  
240 OLD COUNTRY ROAD  
MINEOLA, N.Y. 11501-4250  
516-535-3410  
FAX # 516-535-3369

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COMMISSIONER

Contamination of Private Well Located at 6 Linden Ave, Hempstead, N.Y.

July 10, 1990

Prepared by Bureau of Public Water Supply  
Donald Myott, P.E., Deputy Director,  
Mostafa El Sehamy, Hydrologist  
James Rhodes, Public Health Sanitarian,  
Bureau of Land Resource Management  
Joseph Schechter, Chief, Office of Groundwater Protection

A. Background

On March 9, 1990, the Nassau County Department of Health (NCDH) collected water samples from the private well used for drinking at the residence at 6 Linden Ave., Hempstead, New York (See Figure 1 for location.). The sample was analyzed and found to contain tetrachloroethylene (5,500 ug/l), trichloroethylene(4 ug/l), and C-1,2-Dichloroethylene(2 ug/l). On March 28, 1990, NCDH collected a water sample from an irrigation well on site. The sample was analyzed and found to contain tetrachloroethylene(29,000 ug/l). The laboratory reports for these two samples are contained in Appendix A. NCDH advised the owner of the private well not to drink the water from the well and to connect to the public water supply system (Village of Hempstead). A survey of the area by NCDH determined that a dry cleaner, Franklin Cleaners, was located approximately 300 feet hydraulically upgradient of the site. The owner of the Franklin Cleaners

stated that several spills or leaks from the machines on site had occurred. Two soil samples were obtained from the site of the dry cleaner. These samples were found to contain tetrachloroethylene (650,000 ng/g), trichloroethylene (1,700 ng/g), and C-1,2 dichloroethylene (680 ng/g). Sample results can be found in Appendix B.

Table 1 summarizes the water quality data for the supply wells and monitoring wells in the vicinity of study area. Two Village of Hempstead public supply wells (3688, 8264) are approximately 700 feet downgradient from the site and are screened at depths ranging from 500 to 510 feet. Routine analyses of these wells for VOCs have not detected volatile organic compounds(VOCs).

#### B. Collection and Review of Background Information

##### 1. Area Description

The area identified in this Village of Hempstead study area is bounded by Front Street on the north, Hempstead Golf Club on the west, Grant Street on the south, and Greenwich Street on the east. (See Figure 1). Information on the current industrial profile of this area indicates that it contains an assortment of industrial and commercial categories of facilities. A more detailed discussion of the types of facilities present is contained in the industrial chemical survey section of this report.

##### 2. Landfills

There are no active or abandoned municipal or private landfills in this area. The nearest active landfill to the area is located in the northeast corner of the Hempstead Lake State Park approximately one quarter mile west of the Village of

Hempstead supply wells. This minor solid waste landfill receives wood material, leaves and agricultural wastes. It is routinely inspected by NCDH personnel and was found to be in satisfactory condition as of May 30, 1990.

3. State Permitted Facilities

There are no facilities that have State Pollution Discharge Elimination System (SPDES) permits from the New York State Department of Environmental Conservation (NYSDEC) for discharge of industrial wastes.

There are no industries in this area that are permitted by the NYSDEC as hazardous waste treatment, storage and disposal facilities.

4. State and Federal Hazardous Waste Sites

There is one state hazardous waste site (superfund site) located in this area:

Harder Tree Services, 63 Jerusalem Avenue, Hempstead - Since 1945, the company used a number of pesticides including methoxychlor, chlordane, DDT, and Dursban on this site. In November 1984 several hundred gallons of methoxychlor were spilled on site. Most of the spilled material was collected. In January 1985, samples from the site drywells indicated contamination of the soil with methoxychlor and chlordane. A NYSDEC Order of Consent was issued in February 1986 for an investigation and cleanup of soil and groundwater contamination. The remedial investigation began in October 1986. NYSDEC is negotiating an Order of Consent for additional work.

5. Nassau County Toxic and Hazardous Materials Permitted Facilities

The following 14 industrial facilities in the study area are permitted by the NCDH for the storage, handling and control of toxic and hazardous materials:

PMP Equipment, 65 Chasner Street

Hempstead Golf and Country Club, 60 Front Street

Hempstead Park Nursing Home, 800 Front Street

General Refining (GRC) Corp., 106 Taft Avenue

Bouges Color Co., 99 Sewell Street

Berkley Professional Photolab, 130 Front Street

Hempstead General Hospital, Front Street

Global Equipment, 63 Jerusalem Drive

Harder Services, 63 Jerusalem Avenue

Hempstead Plating, 546 Peninsula Blvd.

Husslein Plating, 48 Sewell Street

Greenwich French Cleaners, 273A Greenwich Street

Baldwin Cleaners, 151 Baldwin Street

Mayfair Nursing Home, 100 Baldwin Road

More specific information concerning the types of chemicals used and stored by these facilities is included in a computerized printout in Appendix C.

6. History of Petroleum and Chemical Spills

There has been one reported spill of organic chemicals filed with the NCDH in the area:

Berkley Professional Processing, 130 Front Street, Hempstead -

The facility is a film processing and developing company. On August 1988, NCDH representatives discovered an illegal discharge of wastewater containing phenols to two drywells in the basement of the facility. The facility agreed to a voluntary cleanup and as of December 1989 completed the work in a manner satisfactory to the NCDH.

The case is closed.

7. Industrial Chemical Survey

In an effort to determine any possible sources of groundwater contamination other than those indicated above, a review of the NCDH'S computerized industrial chemical survey file was performed for the study area. Each survey includes information on the types of business, number of employees, sources of water supply, sewage disposal, annual chemical usage, annual chemical waste generation and waste disposal practices. This information is based on NCDH records and interviews.

Twenty-nine facilities were determined to fall within the study area. A copy of the computerized printout listing these facilities and their chemical usage is included in Appendix C. None of these facilities use tetrachloroethylene, the chemical of concern.

A site survey of the study area was conducted in an attempt to determine any other sources of groundwater contamination. The survey revealed two additional sources within 300 feet of the contaminated private well. One possible source was revealed in interviews with the owners of the contaminated well. They reported that a neighbor located at 217 South Franklin Street was seen dumping wastewater out his rear door about twenty years ago. The neighbor operated a tailoring business out of his residence and may have operated dry cleaning equipment. The owner of the property was contacted and agreed to allow a site inspection by the NCDH. The property was inspected utilizing a survey meter which only identified one area of suspected contamination. A sample of the soil in this area was collected for organic chemical analysis. The results of this analysis indicated no volatile halogenated or nonhalogenated hydrocarbons present above detection limits. A copy of the results of this analysis is attached. (see Appendix D).

The second possible source of contamination was Franklin Cleaners located at 208 B South Franklin Street, Hempstead. This dry cleaning business was inspected on April 9, 1990 and determined to be operating without a permit from this NCDH for the storage and disposal of dry cleaning chemicals. An application for permit was provided to the facility. The application was received and was being processed as of May 1, 1990. A followup inspection on April 24, 1990 with a survey meter revealed several suspected areas of environmental contamination. Three soil samples were collected from within

and outside the facility for analysis. The results of these analyses indicated the soil in the basement of the building and in rear alley were highly contaminated with tetrachloroethylene. The facility was notified of these results in a NCDH letter of May 31, 1990 (Appendix B) and requested to perform an investigation to determine the extent of soil and groundwater contamination and to conduct a cleanup of contaminated areas.

#### 8. Other NCDH Studies and Reports

This area has not been investigated in the past by the NCDH.

#### C. Hydrogeology

##### 1. Regional

The subsurface geology underlying the area is composed of three major stratigraphic units. The Raritan formation, the Magothy formation and the upper glacial sand and gravel deposit. The Raritan formation is divided into two members; the lower Lloyd sand and the upper Raritan clay. Above the Raritan clay is the Magothy Aquifer. The lower portion of the Magothy is the principal water supply aquifer for this portion of Nassau County. The Magothy is overlain by the upper glacial aquifer, a unit typically not used for water supply in this area due to contamination. The contaminated private wells are screened in this aquifer. A geologic cross section is presented in Figure 2.

##### 2. Local

The USGS estimates the thickness of the upper glacial aquifer to be between 50 and 85 ft. in this area. The lithologic log for Well N3668 (566 ft. deep) describes sand, silt, and gravel for the first 85 ft. (Table 2). A significant clay layer and lignite exist between 85 and 132 ft. below the surface.

Smaller layers of clay are also described for this well, but are reported to be less than five feet thick. The extent of these clay layers or lens is unknown. The regional flow pattern of the glacial aquifer in the vicinity of the private well is toward the southwest. A map showing water level contours is provided in Figure 2. Additional data is needed at this site to more accurately determine groundwater flow.

According to USGS professional paper 1613-A, "Geology and Groundwater Conditions in southern Nassau and Southeastern Queens Counties Long Island, N.Y.", 1963, the average regional hydraulic conductivity of the upper glacial aquifer is approximately 270 feet per day (ft/d) in the vicinity of the site.

D. Conclusions

The analytical data and site survey suggests that the major source(s) of volatile organic contamination are from the upgradient direction, possibly from Franklin Cleaners.

E. Recommendations:

1. This information should be presented to NYSDEC for further action including possible remediation.
2. Available information should be presented to the Village of Hempstead so that they can develop a plan of action for the future use of the two public wells downgradient from the site.

## Summary of PCE in Private Well/Public Supply Well Area (V) of Hempstead

- Monitoring Well
- Public Supply Well
- Private Well
- Franklin Cleaners

-  -None Detected
-  -<50 ug/l
-  -> 50 < 500 ug/l
-  -> 5,000 ug/l

Figure 1



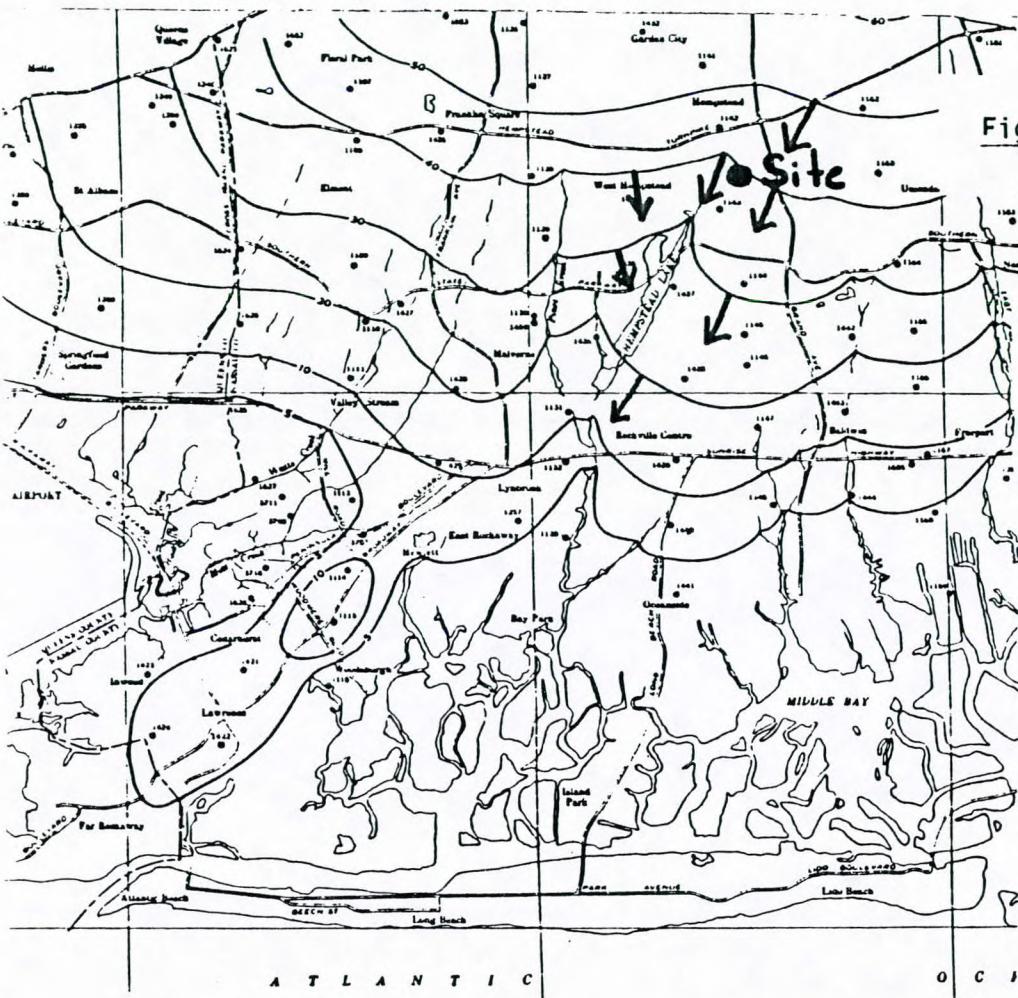
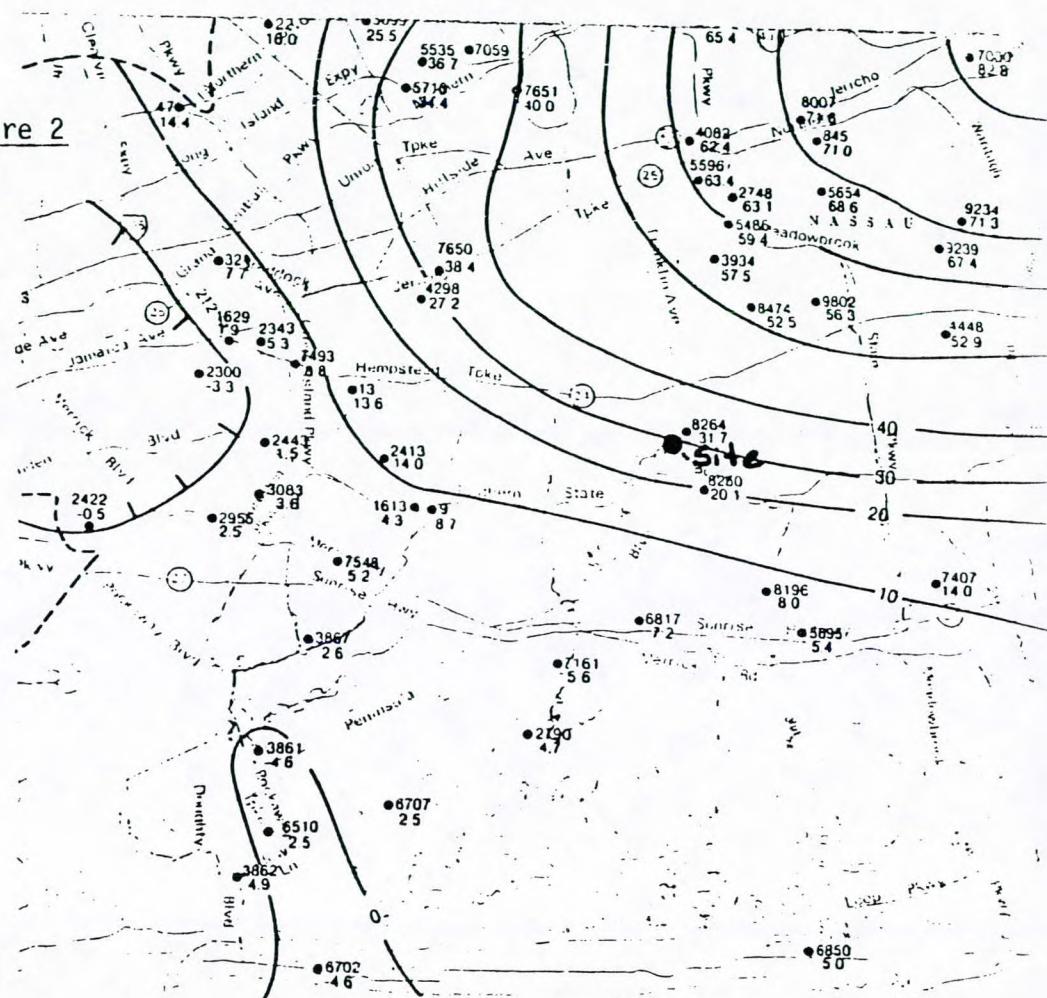


Figure 2

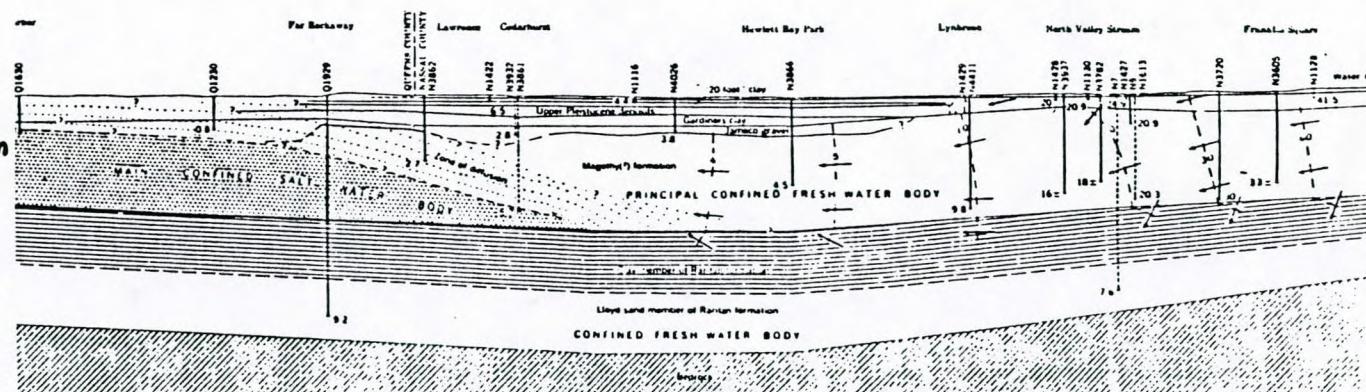


## ↑ LEGEND

## Groundwater Flow Direction IN Site Area

— 20 —  
Groundwater Elevation  
Contour

## Groundwater Flow



**LEGEND**

## Potentiometric Surface of the Magothy Aquifer

— 10 —

Line of Equal Poten  
METRIC- Surface Altit

## Cross Sectional View of Groundwater Flow in

Table 1

Nassau County Department of Health

**SUMMARY OF PCE AND TCE IN PRIVATE WELL/PUBLIC SUPPLY WELL AREA  
VILLAGE OF HEMPSTEAD**

Well No.	NYSDEC No.	Depth	Tetrachloroethylene				Trichloroethylene			
			Most Recent Result		Maximum Value		Most Recent Result		Maximum Value	
			date	detection	date	detection	date	detection	date	detection
Hemp 7	3668	500 ft	11/30/89	ND	*	<.50 ug/l	11/30/89	ND	12/15/78	1.0 ug/l
Hemp 9	8264	510 ft	03/27/90	ND	12/27/89	1.0 ug/l	03/27/90	ND	12/14/78	1.0 ug/l
Mon. Well	8039	55 ft	05/26/82	ND	*	<1.00 ug/l	05/26/82	ND	*	<1.00 ug/l
Mon. Well	8512	52 ft	11/10/82	220 ug/l	08/05/81	273 ug/l	11/10/82	17 ug/l	11/10/82	17 ug/l
Mon. Well	8969	33 ft	09/23/81	ND	*	<1.00 ug/l	09/23/81	ND	*	<1.00 ug/l
Mon. Well	8855	32 ft	01/11/85	9.0 ug/l	01/30/79	35 ug/l	01/11/85	ND	02/01/82	2.0 ug/l
Mon. Well	8830	84 ft	07/19/84	31 ug/l	07/19/84	31 ug/l	07/19/84	9.0 ug/l	08/14/78	78 ug/l
DPW F-10A	9648	51 ft	01/30/90	ND	05/15/87	4.4 ug/l	01/30/90	ND	05/15/87	6.4 ug/l
Private Well	Drinking	45 ft	03/09/90	5,500 ug/l	03/09/90	5,500 ug/l	03/09/90	4 ug/l	03/09/90	4 ug/l
Private Well	Irrigation	32 ft	03/28/90	29,000 ug/l	03/28/90	29,000 ug/l	03/28/90	<100 ug/l	*	<100 ug/l

[\*] All samples were undetected, no date needed.

Note: "ND" means none detected.

James P. Rhodes  
June 10, 1990

## N3664. (8C, 1.8N, 2.4W)

[Drilled by Layne-New York Co., Inc. Altitude about 58 ft. Screened between 449 and 499 ft. Discharge 1,265 gpm with drawdown of 28 ft after 8 hr of pumping. Driller's log]

	Thickness (feet)	Depth (feet)
Upper Pleistocene deposits:		
Sand, red and gravel.....	85	85
Magothy(?) formation:		
Clay, black, and lignite.....	47	132
Sand, fine, gray; streaks of clay.....	90	222
Clay, tough, gray.....	6	228
Magothy(?) formation—Continued		
Sand and gravel.....	12	260
Clay; few streaks of sand.....	31	271
Sand, fine, muddy.....	22	293
Clay, gray.....	12	305
Sand, hard.....	8	313
Clay, gray.....	3	316
Sand, fine, gray.....	22	338
Clay.....	4	342
Sand, fine, gray.....	25	367
Sand; streaks of clay.....	10	377
Sand, gray.....	27	404
Clay.....	2	406
Sand, fine, gray.....	109	515
Sand, hard-packed; clay.....	51	564

## N3636. (8C, 2.6N, 2.2W)

[Drilled by C. W. Lauman and Co., Inc. Altitude about 50 ft. Screened between 329 and 355 ft. Discharge 600 gpm with drawdown of 51 ft after 2 hr of pumping. Driller's log based on examination of core samples]

	Thickness (feet)	Depth (feet)
Upper Pleistocene deposits:		
Fill.....	6	6
Marsh mud.....	3	9
Sand, medium to coarse, yellow; gravel.....	54	63
Magothy(?) formation:		
Sand, muddy, yellow.....	7	70
Clay, sandy, gray.....	135	205
Clay, hard, gray.....	22	227
Clay, sandy, soft, gray.....	19	246
Sand, muddy, fine, gray.....	35	281
Clay, sandy, soft, gray.....	49	330
Sand, muddy, medium to coarse, gray.....	26	356

Table 2 Boring logs in the vicinity of the area.

**APPENDIX A**

## LABORATORY WORKSHEET

## CHEMICAL EXAMINATION FOR TRACE ORGANIC CONSTITUENTS IN WATER, HAZARDOUS WASTES AND SOLID WASTES

Center for Laboratories and Research

Lassau County Department of Health

- 1  Routine  
 2  Resample  
 3  Special  
 4  Complaint  
 5  Other

Lab. No.

900432

Field No.

JR4

N. No. (Public Water Supply Only)

Irrigation well

## Source Information (Please Print)

premises	Gerhardt				
Address	6 Linden Ave				
Town	Hempstead				
Collection Point	Well Head			Well No.	

## ampler's Comments:

- Attn Jim Rhodes
- Irrigation well - 32' deep.
- PCP detected - 5500 ppb in drinking well.

DW 218'

Month

Day

Date Collected 3 28

Date Received

Date Reported APR 05 1990

Collection Time

Collected By: Jim Rhode

## Bureau

- 1  Land Resources Management  
 2  Public Water Supply  
 3  Water Pollution Control  
 4  Environmental Sanitation  
 9  Other (specify)

SAMPLE TYPE

## AQUEOUS

## NON-AQUEOUS

	Community Well	6	Surface Water	1	Soil
	Non-Community Well	7	Waste Water	2	Sludge
X	Private Well	8	Industrial Effluent	3	Waste Solvent
	Monitoring Well	9	Raw Supply Water	4	Oil
	Drinking Water	10	Distribution Water	5	Other (specify)

ANALYSIS TYPE

X	Purgeable Organic compounds
3	Other (specify)

Examiner's Comments:

APR 09 1990

APR 09 1990

NASSAU COUNTY HEALTH DEPARTMENT  
 CENTER FOR LABORATORIES AND RESEARCH  
 ENVIRONMENTAL HEALTH LABORATORIES

## TRACE ORGANICS

Access Number: 900432  
 Source: GERHARDT, 6 LINDEN AVE, HEMPSTEAD  
 Matrix: PRIVATE WELL  
 Site: WELL HEAD  
 Date Sampled: 03/28/90  
 Date of Report: 04/05/90

VOLATILE HALOGENATED	MRC (ug/l)	RESULT (ug/l)
VINYL CHLORIDE----- (WA24)-----	100	----- < 100
TRICHLOROFLUORMETHANE---- (WA01)-----	100	----- < 100
1,1-DICHLOROETHYLENE---- (WA15)-----	100	----- < 100
METHYLENE CHLORIDE---- (WA02)-----	100	----- < 100
t-1,2-DICHLOROETHYLENE--- (WA16)-----	100	----- < 100
1,1-DICHLOROETHANE---- (WA04)-----	100	----- < 100
c-1,2-DICHLOROETHYLENE--- (WA17)-----	100	----- < 100
CHLOROFORM----- (WA05)-----	100	----- < 100
1,1,1-TRICHLOROETHANE--- (WA06)-----	100	----- < 100
CARBON TETRACHLORIDE--- (WA07)-----	100	----- < 100
1,2-DICHLOROETHANE---- (WA18)-----	100	----- < 100
TRICHLOROETHYLENE---- (WA08)-----	100	----- < 100
1,2-DICHLOROPROPANE---- (WA20)-----	100	----- < 100
BROMODICHLOROMETHANE--- (WA09)-----	100	----- < 100
c-1,3-DICHLOROPROPENE---- (WA22)-----	100	----- < 100
t-1,3-DICHLOROPROPENE---- (WA23)-----	100	----- < 100
1,1,2-TRICHLOROETHANE --- (WA19)-----	100	----- < 100
TETRACHLOROETHYLENE ----- (WA13)-----	100	----- 29000
DIBROMODICHLOROMETHANE--- (WA10)-----	100	----- < 100
BROMOFORM ----- (WA14)-----	100	----- < 100
1,1,2,2-TETRACHLOROETHANE-(WA21)-----	100	----- < 100

=====

MRC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED

NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED

PPB: AIR - ng/l WATER - ug/l SOIL - ng/g

APR 09 1990

APR-0

APR-0 1990

NASSAU COUNTY HEALTH DEPARTMENT  
 CENTER FOR LABORATORIES AND RESEARCH  
 ENVIRONMENTAL HEALTH LABORATORIES

## TRACE ORGANICS

Access Number: 900432  
 Source: GERHARDT, 6 LINDEN AVE., HEMPSTEAD  
 Matrix: PRIVATE WELL  
 Site: WELL HEAD  
 Date Sampled: 03/28/90  
 Date of Report: 04/05/90

VOLATILE AROMATICS	MRC (ug/l)	RES (ug)
BENZENE ----- (WC01) -----	50.0	< 5
TOLUENE ----- (WC02) -----	100	<
CHLOROBENZENE ----- (WC03) -----	100	<
ETHYLBENZENE ----- (WC04) -----	100	<
XYLENE (o,m,p) ----- (WC05) -----	100	<
BROMOBENZENE ----- (WC09) -----	100	<
CHLOROTOLUENE ----- (WC10) -----	100	<
DICHLOROBENZENE (o,m,p) --(WC06)-----	100	<
BUTYL BENZENE (tert,sec,n)-(WC08)-----	100	< 10

===== MRC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED

NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED

PPB: AIR - ng/l WATER - ug/l SOIL - ng/g

APR 25 1990  
1990

APR 09 1990

APR 28 1990  
1990

## LABORATORY WORKSHEET

CHEMICAL EXAMINATION FOR TRACE ORGANIC  
CONSTITUENTS IN WATER, HAZARDOUS WASTES  
AND SOLID WASTES

Center for Laboratories and Research

Nassau County Department of Health

## Source Information (Please Print)

Premises Gerhardt  
 Address 6 Linden Ave  
 Town Hempstead  
 Collection Point Bathhouse  
TAP  
 Well No.

## Sampler's Comments:

Attn Jim Rhodes  
 - Strong odor (like Dry cleaners)

- 1  Routine  
 2  Resample  
 3  Special  
 4  Complaint  
 5  Other

Lab. No.

900323

Field No.

JR1

N No. (Public Water Supply Only)

Private well

Month Day Year

Date Collected 7 9 90

Date Received MAR 09 1990

Date Reported MAR 20 1990

Collection Time

Collected By: Jim Rhodes

## Bureau

- 1  Land Resources Management  
 2  Public Water Supply  
 3  Water Pollution Control  
 4  Environmental Sanitation  
 9  Other (specify)

SAMPLE TYPE

## AQUEOUS

## NON-AQUEOUS

Community Well	6	Surface Water	1	Soil
Non-Community Well	7	Waste Water	2	Sludge
Private Well	8	Industrial Effluent	3	Waste Solvent
Monitoring Well	9	Raw Supply Water	4	Oil
Drinking Water	10	Distribution Water	5	Other (specify)

ANALYSIS TYPE

X	Purgeable Organic compounds
	Other (specify)

## Examiner's Comments:

MAR 27 1990

KBR 43 100

NASSAU COUNTY HEALTH DEPARTMENT  
 CENTER FOR LABORATORIES AND RESEARCH  
 ENVIRONMENTAL HEALTH LABORATORIES

## TRACE ORGANICS

Access Number: 900323  
 Source: GERHARDT, 6 LINDEN AVE., HEMPSTEAD  
 Matrix: PRIVATE WELL  
 Site: BATHROOM TAP  
 Date Sampled: 03/09/90  
 Date of Report: 03/20/90

VOLATILE HALOGENATED	MRC (ug/l)	RESULT (ug/l)
VINYL CHLORIDE----- (WA24)-----	1	----- < 1
TRICHLOROFLUORMETHANE----- (WA01)-----	1	----- < 1
1,1-DICHLOROETHYLENE----- (WA15)-----	1	----- < 1
METHYLENE CHLORIDE----- (WA02)-----	1	----- < 1
t-1,2-DICHLOROETHYLENE--- (WA16)-----	1	----- < 1
1,1-DICHLOROETHANE----- (WA04)-----	1	----- < 1
c-1,2-DICHLOROETHYLENE--- (WA17)-----	1	----- 2
CHLOROFORM----- (WA05)-----	1	----- < 1
1,1,1-TRICHLOROETHANE----- (WA06)-----	1	----- < 1
CARBON TETRACHLORIDE----- (WA07)-----	1	----- < 1
1,2-DICHLOROETHANE----- (WA18)-----	1	----- < 1
TRICHLOROETHYLENE----- (WA08)-----	1	----- 4
1,2-DICHLOROPROPANE----- (WA20)-----	1	----- < 1
BROMODICHLOROMETHANE----- (WA09)-----	1	----- < 1
c-1,3-DICHLOROPROPENE----- (WA22)-----	1	----- < 1
t-1,3-DICHLOROPROPENE----- (WA23)-----	1	----- < 1
1,1,2-TRICHLOROETHANE ----- (WA19)-----	1	----- < 1
TETRACHLOROETHYLENE ----- (WA13)-----	1	----- 5500
DIBROMOCHLOROMETHANE----- (WA10)-----	50	----- < 50
BROMOFORM ----- (WA14)-----	1	----- < 1
1,1,2,2-TETRACHLOROETHANE-(WA21)-----	1	----- < 1

=====

MRC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED

NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED

PPB: AIR - ug/l WATER - ug/l SOIL - ng/g

MAR 27 1990

MAR 23 1990

NASSAU COUNTY HEALTH DEPARTMENT  
 CENTER FOR LABORATORIES AND RESEARCH  
 ENVIRONMENTAL HEALTH LABORATORIES

## TRACE ORGANICS

Access Number: 900323  
 Source: GERHARDT, 6 LINDEN AVE., HEMPSTEAD  
 Matrix: PRIVATE WELL  
 Site: BATHROOM TAP  
 Date Sampled: 03/09/90  
 Date of Report: 03/20/90

VOLATILE AROMATICS	MRC (ug/l)	RESULT (ug/l)
BENZENE ----- (WC01) -----	0.5	< 0.5
TOLUENE ----- (WC02) -----	1	< 1
CHLOROBENZENE ----- (WC03) -----	1	< 1
ETHYLBENZENE ----- (WC04) -----	1	< 1
XYLENE (o,m,p) ----- (WC05) -----	1	< 1
BROMOBENZENE ----- (WC09) -----	1	< 1
CHLOROTOLUENE ----- (WC10) -----	1	< 1
DICHLOROBENZENE (o,m,p) -- (WC06) -----	1	< 1
BUTYL BENZENE(tert,sec,n) - (WC08) -----	1	< 1

=====
 MRC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED  
 NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED  
 PPB: AIR - ng/l WATER - ug/l SOIL - ng/g

MAR 23 1990

APPENDIX B





NASSAU COUNTY  
DEPARTMENT OF HEALTH  
240 OLD COUNTRY ROAD, MINEOLA, N.Y. 11501-4250  
516-535-3314  
FAX # 516-535-3369

May 31, 1990

CERTIFIED MAIL

Franklin Cleaners  
208 B. South Franklin St.  
Hempstead, N.Y. 11550

Attn: Bloise Nicholson

Re: Contaminated Soil  
Franklin Cleaners  
208 B. South Franklin Street  
Hempstead, N.Y. 11550

Dear Mr. Nicholson:

On April 24, 1990, a representative of this Department obtained two samples of soil from the basement of your building and one sample of soil from the rear alley of the above referenced site. The samples were analyzed by the Department's Center for Laboratories and Research for purgeable halogenated and nonhalogenated hydrocarbons.

The results of analysis (copies attached) indicate the soil in the basement of the building to be contaminated with tetrachloroethylene (perchloroethylene) at a concentration of 9,400 nanograms per gram (parts per billion). The soil in the rear alley of the building was found to be contaminated with tetrachloroethylene at a concentration of 650,000 parts per billion (ppb), trichloroethylene at 1,700 ppb, cis - 1,2 dichloroethylene at 680 ppb and dichlorobenzenes at 120 ppb. The presence of these chemicals in the soil represents violations of Article XI of the Nassau County Public Health Ordinance (NCPHO) and Articles 17 and 27 of the Environmental Conservation Law (ECL) of the State of New York as follows:

ECL - Article 17, Section 17-0501 and 17-0505. Discharging industrial wastes without a permit.

ECL - Article 27, Section 27-0913 and 6 NYCRR, (New York Code of Rules and Regulations) Section 373-1.2. Operating a hazardous waste management facility without a permit.

NCPHO - Section 5.a.  
Discharging hazardous materials or wastes without a permit.

Consequently, you are required to perform the following work in order to remediate the problem:

1. Immediately - Cease all unpermitted discharges.
2. By June 15, 1990 obtain the services of a professional engineer licensed to practice in the State of New York with documented experience in the field of environmental pollution with respect to investigation and remediation of soil and groundwater contamination.
3. By July 13, 1990 the engineer should prepare and submit to this Department for approval three (3) copies of a remedial investigation work plan to detail the extent of vertical and areal contamination in the soil and groundwater. The plan must contain a work implementation schedule for each phase of the remedial investigation work plan including submission of a remedial investigation report detailing the results of the investigation, and submission of a plan and schedule for remediation of the contamination and restoration of the site to its prespill condition.

To assure that the recommended course of action detailed in the submission reflects the owner's decision, it is required that a letter be submitted along with the work plan officially accepting the work plan and adopting the project for implementation.

4. Implement the above work plan as approved by this Department. This is to begin within two weeks of receipt of approval.
5. This Department is to be notified at least five (5) business days in advance of any field work so that the work can be witnessed. The Department reserves the option of obtaining split samples during the field work.

All toxic and hazardous material removed from the spill site are to be handled by an industrial waste transporter registered with the New York State Department of Environmental Conservation (NYSDEC) and disposed at a NYSDEC or United States Environmental Protection Agency (USEPA) disposal facility.

If you have any questions concerning this matter, please contact me at (516) 535-2406.

Very truly yours,



Howard Schaefer  
Chief  
Office of Article XI Regulation

HS:sb

Enc.

cc: Phil Barbato, P.E. - NYSDEC  
Harold Stafford - Superintendent, Hempstead W.D.  
Incoronata Perna and Giuseppe Sperduto  
bcc: B: Owens - ADA

## LABORATORY WORKSHEET

CHEMICAL EXAMINATION FOR TRACE ORGANIC  
CONSTITUENTS IN WATER, HAZARDOUS WASTES  
A SOLID WASTES

Center for Laboratories and Research

Nassau County Department of Health

- 1  Routine  
 2  Resample  
 3  Special  
 4  Complaint  
 5  Other

Lab. No.

900576

Field No.

P 88

N No. (Public Water Supply Only)

## Source Information (Please Print)

Premises	FRANKLIN CLEANERS
Address	208 B S. FRANKLIN ST
Town	LYONSFIELD
Collection Point	BASEMENT / RATT HOLE
Sampler's Comments:	depth 0-10" HNL readings -240 transferred on ice 5' from SE sidewall 15' from rear wall

	Month	Day	Year
Date Collected	11	24	90
Date Received	APR	2	10 90
Date Reported	MAY	11	90
Collection Time	7:45	AM	90
Collected By:	F. Hill		

## Bureau

- 1  Land Resources Management  
 2  Public Water Supply  
 3  Water Pollution Control  
 4  Environmental Sanitation  
 9  Other (specify)

SAMPLE TYPE

## AQUEOUS

## NON-AQUEOUS

Community Well	6	Surface Water	1	Soil
Non-Community Well	7	Waste Water	2	Sludge
Private Well	8	Industrial Effluent	3	Waste Solvent
Monitoring Well	9	Raw Supply Water	4	Oil
Drinking Water	10	Distribution Water	5	Other (specify)

ANALYSIS TYPE

Purgeable Organic compounds

Other (specify)

Examiner's Comments:

MASSAU COUNTY HEALTH DEPARTMENT  
CENTER FOR LABORATORIES AND RESEARCH  
ENVIRONMENTAL HEALTH LABORATORIES

## TRACE ORGANICS

Access Number: 900576  
 Source: FRANKLIN CLEANERS, 208B SOUTH FRANKLIN ST., HEMPSTEAD  
 Matrix: SOIL  
 Site: BASEMENT 1 RAT HOLE  
 Date Sampled: 04/24/90  
 Date of Report: 05/02/90

VOLATILE HALOGENATED	MRC (ng/g)	RESULT (ng/g)
VINYL CHLORIDE----- (WA24) -----	100	----- < 100
TRICHLOROFLUORMETHANE---- (WA01) -----	100	----- < 100
1,1-DICHLOROETHYLENE---- (WA15) -----	100	----- < 100
METHYLENE CHLORIDE---- (WA02) -----	100	----- < 100
t-1,2-DICHLOROETHYLENE--- (WA16) -----	100	----- < 100
1,1-DICHLOROETHANE---- (WA04) -----	100	----- < 100
c-1,2-DICHLOROETHYLENE--- (WA17) -----	100	----- < 100
CHLOROFORM---- (WA05) -----	100	----- < 100
1,1,1-TRICHLOROETHANE---- (WA06) -----	100	----- < 100
CARBON TETRACHLORIDE---- (WA07) -----	100	----- < 100
1,2-DICHLOROETHANE---- (WA18) -----	100	----- < 100
TRICHLOROETHYLENE---- (WA08) -----	100	----- < 100
1,2-DICHLOROPROPANE---- (WA20) -----	100	----- < 100
BROMODICHLOROMETHANE---- (WA09) -----	100	----- < 100
c-1,3-DICHLOROPROPENE---- (WA22) -----	100	----- < 100
t-1,3-DICHLOROPROPENE---- (WA23) -----	100	----- < 100
1,1,2-TRICHLOROETHANE --- (WA19) -----	100	----- < 100
TETRACHLOROETHYLENE ---- (WA13) -----	100	----- 9400
DIBROMOCHLOROMETHANE---- (WA10) -----	100	----- < 100
BROMOFORM ----- (WA14) -----	100	----- < 100
1,1,2,2-TETRACHLOROETHANE-(WA21)-----	100	----- < 100

===== MRC - MINIMUM REPORTABLE CONCENTRATION NR - NOT ANALYZED

NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED

PPB: AIR - ml/l WATER - ug/l SOIL - ng/g

MAY 3 1990

NASSAU COUNTY HEALTH DEPARTMENT  
CENTER FOR LABORATORIES AND RESEARCH  
ENVIRONMENTAL HEALTH LABORATORIES

## TRACE ORGANICS

Access Number: 900576  
 Source: FRANKLIN CLEANERS, 208B SOUTH FRANKLIN ST, HEMPSTEAD  
 Matrix: SOIL  
 Site: BASEMENT 1 RAT HOLE  
 Date Sampled: 04/24/90  
 Date of Report: 05/02/90

## VOLATILE AROMATICS

	MRC (ng/g)		RESULT (ng/g)
--	---------------	--	------------------

BENZENE ----- (WC01) -----	50	----- <	50
TOLUENE ----- (WC02) -----	100	----- <	100
CHLOROBENZENE ----- (WC03) -----	100	----- <	100
ETHYLBENZENE ----- (WC04) -----	100	----- <	100
XYLENE (o,m,p) ----- (WC05) -----	100	----- <	100
BROMOBENZENE ----- (WC09) -----	100	----- <	100
CHLOROTOLUENE ----- (WC10) -----	NR	-----	NR
DICHLOROBENZENE (o,m,p) -- (WC06) -----	100	----- <	100
BUTYL BENZENE(tert, sec, n) - (WC08) -----	100	----- <	100

===== MRC = MINIMUM REPORTABLE CONCENTRATION

===== NA = NOT ANALYZED

===== NR = NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED

PPB: AIR - ml/l

WATER - ug/l

SOIL - ng/g

## LABORATORY WORKSHEET

CHEMICAL EXAMINATION FOR TRACE ORGANIC  
CONSTITUENTS IN WATER, HAZARDOUS WASTES  
SOLID WASTES

Center for Laboratories and Research

Allegheny County Department of Health

- 1  Routine  
 2  Resample  
 3  Special  
 4  Complaint  
 5  Other

Lab. No.

900574

D

Field No.

P-859

N No. (Public Water Supply Only)

## Source Information (Please Print)

Address	FRANKLIN CLEAVES	
Address	2 CRB S. FRANKLIN ST	
City	HEMOSTEAD	
Election Point	BASEMENT	Well No.
TICK SAND PIT NEAR BOILER		

ampler's Comments:

Boiler  
 transported on ice  
 HNL readings 170  
 NLU sidewall (near boiler)  
 depth - 0-10"

	Month	Day	Year
Date Collected	4	24	90
Date Received	APR	24	90
Date Reported	4	24	90
Collection Time	1	35	90
Collected By:	R. J. G.		

## Bureau

- 1  Land Resources Management  
 2  Public Water Supply  
 3  Water Pollution Control  
 4  Environmental Sanitation  
 9  Other (specify)

SAMPLE TYPE

## AQUEOUS

## NON-AQUEOUS

Community Well	6	Surface Water	1	Soil
Non-Community Well	7	Waste Water	2	Sludge
Private Well	8	Industrial Effluent	3	Waste Solvent
Monitoring Well	9	Raw Supply Water	4	Oil
Drinking Water	10	Distribution Water	5	Other (specify)

ANALYSIS TYPE

Purgeable Organic compounds
Other (specify)

Examiner's Comments:

MAY - 3 1993

NASSAU COUNTY HEALTH DEPARTMENT  
 CENTER FOR LABORATORIES AND RESEARCH  
 ENVIRONMENTAL HEALTH LABORATORIES

## TRACE ORGANICS

Access Number: 900574  
 Source: FRANKLIN CLEANERS, 2088 SOUTH FRANKLIN ST., HEMPSTEAD  
 Matrix: SOIL  
 Site: BASEMENT - SAND PIT NEAR BOILER  
 Date Sampled: 04/24/90  
 Date of Report: 05/02/90

	MRC (ng/g)	RESULT (ng/g)
VOLATILE HALOGENATED		
VINYL CHLORIDE----- (WA24) -----	100	----- < 100
TRICHLOROFUORMETHANE----- (WA01) -----	100	----- < 100
1,1-DICHLOROETHYLENE----- (WA15) -----	100	----- < 100
METHYLENE CHLORIDE----- (WA02) -----	100	----- < 100
t-1,2-DICHLOROETHYLENE----- (WA16) -----	100	----- < 100
1,1-DICHLOROETHANE----- (WA04) -----	100	----- < 100
c-1,2-DICHLOROETHYLENE----- (WA17) -----	100	----- < 100
CHLOROFORM----- (WA05) -----	100	----- < 100
1,1,1-TRICHLOROETHANE----- (WA06) -----	100	----- < 100
CARBON TETRACHLORIDE----- (WA07) -----	100	----- < 100
1,2-DICHLOROETHANE----- (WA18) -----	100	----- < 100
TRICHLOROETHYLENE----- (WA08) -----	100	----- < 100
1,2-DICHLOROPROPANE----- (WA20) -----	100	----- < 100
BROMODICHLOROMETHANE----- (WA09) -----	100	----- < 100
c-1,3-DICHLOROPROPENE----- (WA22) -----	100	----- < 100
t-1,3-DICHLOROPROPENE----- (WA23) -----	100	----- < 100
1,1,2-TRICHLOROETHANE ----- (WA19) -----	100	----- < 100
TETRACHLOROETHYLENE ----- (WA13) -----	100	----- < 100
DIBROMOCHLOROMETHANE----- (WA10) -----	100	----- < 100
BROMOFORM ----- (WA14) -----	100	----- < 100
1,1,2,2-TETRACHLOROETHANE----- (WA21) -----	100	----- < 100

===== MRC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED

NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED

PPB: AIR - ml/l WATER - ug/l SOIL - ng/g

MAY 3 1990

NASSAU COUNTY HEALTH DEPARTMENT  
 CENTER FOR LABORATORIES AND RESEARCH  
 ENVIRONMENTAL HEALTH LABORATORIES

## TRACE ORGANICS

Access Number: 900574  
 Source: FRANKLIN CLEANERS, 2088 SOUTH FRANKLIN ST., HEMPSTEAD  
 Matrix: SOIL  
 Site: BASEMENT - SAND PIT NEAR BOILER  
 Date Sampled: 04/24/90  
 Date of Report: 05/02/90

VOLATILE AROMATICS	MRC (ng/g)	RESULT (ng/g)
BENZENE ----- (WC01) -----	50 -----	< 50
TOLUENE ----- (WC02) -----	100 -----	< 100
CHLOROBENZENE ----- (WC03) -----	100 -----	< 100
ETHYLBENZENE ----- (WC04) -----	100 -----	< 100
XYLENE (o, m, p) ----- (WC05) -----	100 -----	< 100
BROMOBENZENE ----- (WC09) -----	NR -----	NR
CHLORTOLUENE ----- (WC10) -----	100 -----	< 100
DICHLOROBENZENE (o, m, p) -- (WC06) -----	100 -----	< 100
BUTYL BENZENE(tert, sec, n) - (WC08) -----	100 -----	< 100

===== MRC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED

NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED

PPB: AIR - ml/l WATER - ug/l SOIL - ng/g

Q.C. - 100%

R1 R2 R3 - R4 R5 R6

MAY 4, 1990

## LABORATORY WORKSHEET

CHEMICAL EXAMINATION FOR TRACE ORGANIC  
CONSTITUENTS IN WATER, HAZARDOUS WASTES  
& SOLID WASTES

Center for Laboratories and Research

Nassau County Department of Health

- 1  Routine  
2  Resample  
3  Special  
4  Complaint  
5  Other

Lab. No.

900575

Field No.

P-90

N No. (Public Water Supply Only)

## Source Information (Please Print)

Premises	FRANKLIN CLEANERS		
Address	208 B S. FRANKLIN ST		
Town	HEMPSTEAD		
Collection Point	REAR ALLEY	Well No.	
3' N.E. OF REAR DOOR			

Sampler's Comments:

transported on ice  
HNU readings 300  
depth 0-10"

Month Day Year

Date Collected 4 24 91  
Date Received APR 4 1991  
Date Reported MAY 27 1991  
Collection Time 1:55 PM  
Collected By: PPAUL

## Bureau

- 1  Land Resources Management  
2  Public Water Supply  
3  Water Pollution Control  
4  Environmental Sanitation  
9  Other (specify)

SAMPLE TYPE

## AQUEOUS

## NON-AQUEOUS

1	Community Well	6	Surface Water	1	Soil
	Non-Community Well	7	Waste Water	2	Sludge
3	Private Well	8	Industrial Effluent	3	Waste Solvent
	Monitoring Well	9	Raw Supply Water	4	Oil
5	Drinking Water	10	Distribution Water	5	Other (specify)

ANALYSIS TYPE

A Purgeable Organic compounds

Other (specify)

Examiner's Comments:

NASSAU COUNTY HEALTH DEPARTMENT  
CENTER FOR LABORATORIES AND RESEARCH  
ENVIRONMENTAL HEALTH LABORATORIES

TRACE ORGANICS

Access Number: 900575  
 Source: FRANKLIN CLEANERS, 208B SOUTH FRANKLIN ST, HEMPSTEAD  
 Matrix: SOIL  
 Site: REAR ALLEY  
 Date Sampled: 04/24/90  
 Date of Report: 05/22/90

VOLATILE HALOGENATED	MRC (ng/g)	RESULT (ng/g)
VINYL CHLORIDE----- (WA24)-----	100	< 100
TRICHLOROFLUORMETHANE----- (WA01)-----	100	< 100
1,1-DICHLOROETHYLENE----- (WA15)-----	100	< 100
METHYLENE CHLORIDE----- (WA02)-----	100	< 100
t-1,2-DICHLOROETHYLENE--- (WA16)-----	100	< 100
1,1-DICHLOROETHANE----- (WA04)-----	100	< 100
c-1,2-DICHLOROETHYLENE--- (WA17)-----	100	680
CHLOROFORM----- (WA05)-----	100	< 100
1,1,1-TRICHLOROETHANE----- (WA06)-----	100	< 100
CARBON TETRACHLORIDE----- (WA07)-----	100	< 100
1,2-DICHLOROETHANE----- (WA18)-----	100	< 100
TRICHLOROETHYLENE----- (WA08)-----	100	1700
1,2-DICHLOROPROPANE----- (WA20)-----	100	< 100
BROMODICHLOROMETHANE----- (WA09)-----	100	< 100
c-1,3-DICHLOROPROPENE--- (WA22)-----	100	< 100
t-1,3-DICHLOROPROPENE--- (WA23)-----	100	< 100
1,1,2-TRICHLOROETHANE --- (WA19)-----	100	< 100
TETRACHLOROETHYLENE ----- (WA13)-----	100	650000
DIBROMOCHLOROMETHANE----- (WA10)-----	NR	NR
BROMOFORM ----- (WA14)-----	NR	NR
1,1,2,2-TETRACHLOROETHANE-(WA21)-----	NR	NR

===== MRC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED

NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED

PPB: AIR - ng/l WATER - ug/l SOIL - ng/g

**NASSAU COUNTY HEALTH DEPARTMENT  
CENTER FOR LABORATORIES AND RESEARCH  
ENVIRONMENTAL HEALTH LABORATORIES**

Page 2 of 3

## TRACE ORGANICS

Access Number: 900575  
Source: FRANKLIN CLEANERS, 208B SOUTH FRANKLIN ST., HEMPSTEAD  
Matrix: SOIL  
Site: REAR ALLEY  
Date Sampled: 04/24/90  
Date of Report: 05/22/90

VOLATILE AROMATICS	MRC (ng/g)	RESULT (ng/g)
BENZENE ----- (WC01) -----	50	< 50
TOLUENE ----- (WC02) -----	100	< 100
CHLOROBENZENE ----- (WC03) -----	100	< 100
ETHYLBENZENE ----- (WC04) -----	100	< 100
XYLENE (o,m,p) ----- (WC05) -----	100	< 100
BROMOBENZENE ----- (WC09) -----	NR	NR
CHLOROTOLUENE ----- (WC10) -----	100	< 100
DICHLOROBENZENE (o,m,p) --(WC06)-----	100	120
BUTYL BENZENE(tert,sec,n)---(WC08)-----	100	< 100

APPENDIX C

HA 9P974

DEPT OF HEALTH BUREAU OF LAND RESOURCES HAZARDOUS CHEMICAL/WASTE STORAGE LOCATIONS  
ID-NUM HAGSTROM COORDINATES: E11

RUN-DATE 04/13/90

PAGE 1

0000003066	REBUILT ELEC EQP COR 15 CHASNER ST HEMPSTEAD 11550 CHEMICALS 0902 TRADE NAME, ORGANIC 0911 TRICHLOROETHANE, 1,1,2-	- PERMITS	SIC # 7629 HAGSTROM E1108 WATER DIST 16 SEWER DIST 01 900 GALLONS 0 GALLONS
0000003022	CHRIS MENICHETTI INC 25 CHASNER ST HEMPSTEAD 11550 CHEMICALS 0042 ACRYLIC RESINS & DERIVATIVES 0665 PAINT THINNER, MISC	- PERMITS	SIC # 7531 HAGSTROM E1108 WATER DIST 16 SEWER DIST 01 80 GALLONS 160 GALLONS
0000003015	AMERICAN PROSTHODONT 37 CHASNER ST HEMPSTEAD 11550 CHEMICALS 0367 ETHYL SILICATE 0901 TRADE NAME, INORGANIC	- PERMITS	SIC # 8072 HAGSTROM E1108 WATER DIST 16 SEWER DIST 01 100 GALLONS 12 GALLONS
0000003042	GAMMA INSTRUMENT CO 52 CHASNER ST HEMPSTEAD 11550 CHEMICALS 0645 OIL, CUTTING 0902 TRADE NAME, ORGANIC	- PERMITS	SIC # 3599 HAGSTROM E1108 WATER DIST 16 SEWER DIST 01 10 GALLONS 50 GALLONS
0000003071	RONKIN ASSOCIATES 61 CHASNER ST HEMPSTEAD 11550 CHEMICALS 0904 TRADE NAME, UNKNOWN	- PERMITS	SIC # 2752 HAGSTROM E1108 WATER DIST 16 SEWER DIST. 01 0 GALLONS
0000004046	SENTINAL PRINTING 61 CHASNER ST HEMPSTEAD 11550 CHEMICALS 0456 INKS 0477 ISOPROPYL ALCOHOL 0491 BLANKET WASH, NOS 0902 TRADE NAME, ORGANIC 1026 FOUNTAIN SOLUTION	- PERMITS	SIC # 2751 HAGSTROM E1108 WATER DIST 16 SEWER DIST 01 600 POUNDS 20 GALLONS 55 GALLONS 90 GALLONS 0 GALLONS
0000000311	PMP EQUIPMENT CORP 65 CHASNER ST HEMPSTEAD 11550 CHEMICALS 0912 TRICHLOROETHANE, 1,1,1- WASTES 03 ORGANIC CHEMICALS HALOGENATED TRANSPORTER(S) 00 15	- PERMITS ARTXI-LYES	SIC # 7623 HAGSTROM E1108 WATER DIST 16 SEWER DIST 01 15 GALLONS 36 GALLONS
0000001056	HEMPSTEAD GOLFCLUB 60 FRONT ST HEMPSTEAD 11550	- PERMITS ARTXI-LYES	SIC # 7997 HAGSTROM E1108 WATER DIST 16 SEWER DIST 01

HA9P974

DEPT OF HEALTH BUREAU OF LAND RESOURCES HAZARDOUS CHEMICAL/WASTE STORAGE LOCATIONS  
HAGSTROM COORDINATES: E11

RUN-DATE 04/13/90

PAGE 2

0000001056 HEMPSTEAD GOLFECLUB

===== &gt; CONTINUED &lt; =====

CHEMICALS	6473 OIL, DIESEL FUEL	500 GALLONS
	0146 BETASAN	5 GALLONS
	0178 CALCIUM CHLORIDE	800 POUNDS
	0338 DURSBAN	25 GALLONS
	0341 DYRENE	25 GALLONS
	0457 INORGANICS, MISC	10 GALLONS
	0457 INORGANICS, MISC	540 POUNDS
	0508 LIME (CALCIUM CARBONATE)	30000 POUNDS
	0636 OIL, MOTOR	28 GALLONS
	0646 OIL, HYDRAULIC	10 GALLONS
	0856 2,4-D	5 GALLONS
	0885 THIRAM	48 KILOS
	0901 TRADE NAME, INORGANIC	5 GALLONS
	1003 FERTILIZERS	30 GALLONS
	1003 FERTILIZERS	15000 POUNDS
	1331 PROXOL 80 SP	30 POUNDS
	1337 OCTANOL (ISOENPHOS)	15 GALLONS
	1338 TRIMEC	5 GALLONS
	1340 DACTHAL 5G	48 KILOS
	1347 BAYLETON (TRIADIHEFON)	55 POUNDS
	1358 DAONIL	25 GALLONS
	1372 BANOL	9 GALLONS
	1412 TERSAN 1991	60 POUNDS
	1413 IPRODIONE (CHIPCO 260F9)	15 GALLONS
	1413 IPRODIONE (CHIPCO 26019)	60 POUNDS
	4123 GASOLINE, UNLEADED REGULAR	1000 GALLONS
WASTES	05 WASTE OILS	28 GALLONS
TRANSPORTER(S)	00	

0000001174 BERKEY PRO PROCESSNG

130 FRONT ST  
HEMPSTEAD 11550

----- PERMITS -----

SIC # 7384 HAGSTROM E1108  
WATER DIST 16 SEWER DIST 01

CHEMICALS	0013 ACETIC ACID	12 GALLONS
	0081 AMMONIA	8 GALLONS
	0096 AMMONIUM THIOSULFATE	135 GALLONS
	0705 PHOTO CHEMICALS, NOS	240 GALLONS
	0726 POTASSIUM HYDROXIDE	5 GALLONS
	1009 POTASSIUM CARBONATE	80 GALLONS
	1310 AMMONIUM BROMIDE	60 GALLONS
	2067 TRECON EP2 BLEACH FIX	100 GALLONS
	2068 TRECON EP2 DEVELOPER REPLENISHER	100 GALLONS
	2069 TRECON EP2 BLEACH	950 GALLONS
	2070 TRECON EP2 DEVELOPER & BLEACH	230 GALLONS
	2071 KODAK C-41 STABILIZER REPLENISHER	118 GALLONS
	2072 KODAK C-41 BLEACH REPLENISHER	100 GALLONS
	2073 KODAK C-41 FIXER & REPLENISHER	205 GALLONS
	2074 KODAK C-41 SILVER CELL	25 GALLONS
	2075 KODAK C-41 DEVELOPER	250 GALLONS
	6472 OIL, FUEL #2	3000 GALLONS

0000003013 ACTIVE PRINTERS

234 FRONT ST  
HEMPSTEAD 11550

----- PERMITS -----

SIC # 2751 HAGSTROM E1108  
WATER DIST 16 SEWER DIST 01

HA9P974

DEPT OF HEALTH BUREAU OF LAND RESOURCES HAZARDOUS CHEMICAL/WASTE STORAGE LOCATIONS  
HAGSTROM COORDINATES: E11

RUN-DATE 04/13/90

PAGE 3

0000003013 ACTIVE PRINTERS

=====> CONTINUED <=====  
CHEMICALS 0902 TRADE NAME, ORGANIC

2 GALLONS

0000003045 GRAND ARTS FURNITURE

303 FRONT ST

HEMPSTEAD 11550

- PERMITS

SIC # 7641 HAGSTROM E1108  
WATER DIST 16 SEWER DIST 01

CHEMICALS 0492 LACQUER THINNER

0493 LACQUERS

0902 TRADE NAME, ORGANIC

6 GALLONS  
15 GALLONS  
35 GALLONS  
0 GALLONS

WASTES 02 ORGANIC CHEMICALS NON-HALOGENATED

0000001104 HEMPSTEAD PK NURSING

800 FRONT ST

HEMPSTEAD 11551

- PERMITS ARTXI-LYES

SIC # 8052 HAGSTROM E1108  
WATER DIST 16 SEWER DIST 01

CHEMICALS 0044 ADHESIVES, NOS

0375 ETHYLENE GLYCOL

0406 FREON

0413 GREASE

0441 HYDROCHLORIC ACID

0492 LACQUER THINNER

0645 OIL, CUTTING

0669 PAINT, MISC.

0689 PETROLEUM DISTILLATES

0815 SODIUM HYDROXIDE

0834 SOLVENTS, NOS

0902 TRADE NAME, ORGANIC

0904 TRADE NAME, UNKNOWN

1019 ALGICIDES, NOS

1079 COOLING TOWER TREATMENT CHMS

1142 BOILER WATER TREATMENT CHEMICALS

1250 FUEL OIL/GASOLINE ADDITIVES, N.C.S.

1586 CREOSOTE

6472 OIL, FUEL #2

110 GALLONS  
165 GALLONS  
150 POUNDS  
30 POUNDS  
95 GALLONS  
1 GALLONS  
30 POUNDS  
210 GALLONS  
5 GALLONS  
100 POUNDS  
35 GALLONS  
100 POUNDS  
35 GALLONS  
6 GALLONS  
35 GALLONS  
35 GALLONS  
55 GALLONS  
1 GALLONS  
11000 GALLONS

0000003059 NASSAU SURG APPLANCE

475 FULTON AVE

HEMPSTEAD 11550

- PERMITS

SIC # 3842 HAGSTROM E1108  
WATER DIST 16 SEWER DIST 01

0000003030 DESIGN UNLIMITED

119 JACKSON ST

HEMPSTEAD 11550

- PERMITS

SIC # 2751 HAGSTROM E1108  
WATER DIST 16 SEWER DIST 01

0000003023 ROXEN SERVICE INC

3365 RIVERSIDE DR

OCEANSIDE 11572

- PERMITS

SIC # 1711 HAGSTROM E1108  
WATER DIST 24 SEWER DIST 01

0000003081 SHURE SNAP

56 NEWMANS CT

HEMPSTEAD 11550

- PERMITS

SIC # 2387 HAGSTROM E1109  
WATER DIST 16 SEWER DIST 01

HA9P974

DEPT OF HEALTH BUREAU OF LAND RESOURCES HAZARDOUS CHEMICAL/WASTE STORAGE LOCATIONS  
HAGSTROM COORDINATES: E11

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ID-NUM

0000003082	SURE SNAP CORP 56 NEWMANS CT HEMPSTEAD 11550 CHEMICALS 0666 PAINT, MISC	- PERMITS	SIC # 2387 HAGSTROM E1109 WATER DIST 16 SEWER DIST 01 25 GALLONS
0000003044	GRAFF HOLDING PRODUC 428 PENINSULA BLVD HEMPSTEAD 11550 CHEMICALS 0842 STYRENE	- PERMITS	SIC # 3079 HAGSTROM E1109 WATER DIST 16 SEWER DIST 01 0 GALLONS
0000003084	T M STEWART 538 PENINSULA BLVD HEMPSTEAD 11550 CHEMICALS 0842 STYRENE 0904 TRADE NAME, UNKNOWN	- PERMITS	SIC # 3499 HAGSTROM E1109 WATER DIST 16 SEWER DIST 01 55 GALLONS 110 GALLONS
0000004027	HEMPSTEAD PLATING CO 546 PENINSULA BLVD HEMPSTEAD 11550 CHEMICALS 0233 COPPER 0249 CYANIDES 0585 MURIATIC ACID 0604 NICKEL 0849 SULPHURIC ACID WASTES 01 INORGANIC CHEMICALS	- PERMITS	SIC # 3471 HAGSTROM E1109 WATER DIST 16 SEWER DIST 01 480 GALLONS 0 GALLONS 0 GALLONS 480 GALLONS 0 GALLONS 0 GALLONS
0000003032	EXELCO ACCESSORIES 81 MADISON AVE HEMPSTEAD 11550 CHEMICALS 0638 OIL, LUBRICATING	- PERMITS	SIC # 3451 HAGSTROM E1113 WATER DIST 16 SEWER DIST 01 0 GALLONS
0000003056	MASTER CRAFT SCREEN 91 MADISON AVE HEMPSTEAD 11550 CHEMICALS 0492 LACQUER THINNER 0587 MINERAL OIL 0666 PAINT, MISC 0902 TRADE NAME, ORGANIC	- PERMITS	SIC # 2751 HAGSTROM E1113 WATER DIST 16 SEWER DIST 01 15 GALLONS 0 GALLONS 5 GALLONS 0 GALLONS
0000003048	JOMAR AUTO BODY 105 MADISON AVE HEMPSTEAD 11550 CHEMICALS 0492 LACQUER THINNER	- PERMITS	SIC # 2531 HAGSTROM E1113 WATER DIST 16 SEWER DIST 01 150 GALLONS
0000003018	BATTERY SALES INC 43 POLK AVE HEMPSTEAD 11550 CHEMICALS 0035 ACIDS, NOS	- PERMITS	SIC # 5013 HAGSTROM E1113 WATER DIST 16 SEWER DIST 01 125 GALLONS

HAP974

DEPT OF HEALTH BUREAU OF LAND RESOURCES HAZARDOUS CHEMICAL/WASTE STORAGE LOCATIONS  
ID-NUM HAGSTROM COORDINATES: E11

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0000003018 BATTERY SALES INC  
CHEMICALS 0901 TRADE NAME, INORGANIC

0 GALLONS

0000003070 ROLLEM CORP OF AMER  
43 POLK AVE  
HEMPSTEAD 11550  
CHEMICALS 0902 TRADE NAME, ORGANIC  
0912 TRICHLOROETHANE, 1,1,1-

SIC # 7699 HAGSTROM E1113  
WATER DIST 16 SEWER DIST 01

2 GALLONS  
3 GALLONS

0000003065 PRIVATE FORMULATIONS

54 POLK AVE  
HEMPSTEAD 11550  
CHEMICALS 0212 CHLOROFORM (TRICHLOROMETHANE)  
0340 DYE/PIGMENTS, N.O.S.  
0577 METHYLENE CHLORIDE

SIC # 2834 HAGSTROM E1113  
WATER DIST 16 SEWER DIST 01

400 POUNDS  
960 POUNDS  
30000 POUNDS

0000003055 MEASURE CNTR DEVICES

63 POLK AVE  
HEMPSTEAD 11550  
CHEMICALS 0489 KEROSENE  
0646 OIL, HYDRAULIC  
0649 OIL, MISC

SIC # 3079 HAGSTROM E1113  
WATER DIST 16 SEWER DIST C1

25 GALLONS  
1200 GALLONS  
125 GALLONS

0000004029 HUSSLEIN PLATING

48 SEWELL ST  
HEMPSTEAD 11550  
CHEMICALS 0222 CHROMIC ACID  
0585 MURIATIC ACID  
0603 NICKEL CHLORIDE  
0612 NICKEL SULFATE  
0799 SODIUM BISULFITE  
0815 SODIUM HYDROXIDE  
0849 SULPHURIC ACID  
0902 TRADE NAME, ORGANIC.  
WASTES 01 INORGANIC CHEMICALS  
02 ORGANIC CHEMICALS NON-HALOGENATED

SIC # 3471 HAGSTROM E1113  
WATER DIST 16 SEWER DIST 01

1500 POUNDS  
3600 GALLONS  
500 GALLONS  
1000 GALLONS  
1000 POUNDS  
12000 POUNDS  
3250 GALLONS  
16200 POUNDS  
11100 GALLONS  
16200 GALLONS

0000004047 HUSSLEIN PLATING

48 SEWELL ST  
HEMPSTEAD 11550  
CHEMICALS 0222 CHROMIC ACID  
0585 MURIATIC ACID  
0603 NICKEL CHLORIDE  
0612 NICKEL SULFATE  
0799 SODIUM BISULFITE  
0815 SODIUM HYDROXIDE  
0849 SULPHURIC ACID  
0902 TRADE NAME, ORGANIC

SIC # 3471 HAGSTROM E1113  
WATER DIST 16 SEWER DIST 01

1500 POUNDS  
3600 GALLONS  
500 GALLONS  
1000 GALLONS  
1000 POUNDS  
12000 POUNDS  
3250 GALLONS  
16200 POUNDS

0000003043 GEORGE FEINSTEIN INC

95 SEWELL ST  
HEMPSTEAD 11550

- PERMITS

SIC # 2299 HAGSTROM E1113  
WATER DIST 16 SEWER DIST 01

HA9P974

DEPT OF HEALTH BUREAU OF LAND RESOURCES HAZARDOUS CHEMICAL/WASTE STORAGE LOCATIONS  
HAGSTROM COORDINATES: E11

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0000003043 GEORGE FEINSTEIN INC

&lt;===== CONTINUED =====&gt;

CHEMICALS 0902 TRADE NAME, ORGANIC

1000 GALLONS

0000003027 CONTI FURNITURE COMP

96 TAFT AVE  
HEMPSTEAD 11550

- PERMITS

SIC # 2511 HAGSTROM E1113  
WATER DIST 16 SEWER DIST 01

CHEMICALS 0492 LACQUER THINNER

600 GALLONS

0000003078 SKYDACH CUSTOMIZING

100 TAFT AVE  
HEMPSTEAD 11550

- PERMITS

SIC # 7549 HAGSTROM E1113  
WATER DIST 16 SEWER DIST 01CHEMICALS 0665 PAINT THINNER, MISC  
0834 SOLVENTS, NOS  
0902 TRADE NAME, ORGANIC70 GALLONS  
30 GALLONS  
50 GALLONS

0000003041 GEN REFINING-GRC CRP

106 TAFT AVE  
HEMPSTEAD 11550

- PERMITS ARTXI-1YES

SIC # 3341 HAGSTROM E1113  
WATER DIST 16 SEWER DIST 01CHEMICALS 0088 AMMONIUM HYDROXIDE  
0094 AMMONIUM SULFITE  
0142 BORAX  
0393 FERROLS SULFATE  
0441 HYDROCHLORIC ACID  
0614 NITRIC ACID  
0791 SODIUM BICARBONATE  
0799 SODIUM BISULFITE  
0801 SODIUM CARBONATE  
0805 SODIUM CYANIDE  
0815 SODIUM HYDROXIDE  
0849 SULPHURIC ACID  
0951 UREA  
1100 AMMONIUM CHLORIDE110 GALLONS  
675 POUNDS  
200 POUNDS  
50 POUNDS  
184 GALLONS  
172 GALLONS  
350 POUNDS  
200 POUNDS  
200 POUNDS  
30 POUNDS  
1500 POUNDS  
14 GALLONS  
500 POUNDS  
5 POUNDS

0000003046 JAYWOOD PLASTICS

49 WHITSON ST  
HEMPSTEAD 11550

- PERMITS

SIC # 3079 HAGSTROM E1113  
WATER DIST 16 SEWER DIST 01CHEMICALS 0716 POLYPROPYLENE  
0718 POLYVINYL CHLORIDE  
0842 STYRENE  
0902 TRADE NAME, ORGANIC  
0916 POLYETHYLENE RESIN10000 POUNDS  
30000 POUNDS  
10000 POUNDS  
5000 POUNDS  
100000 POUNDS

0000003060 NORTH-SOUTH MACHINE

83 WHITSON ST  
HEMPSTEAD 11550

- PERMITS

SIC # 3728 HAGSTROM E1113  
WATER DIST 16 SEWER DIST 01

CHEMICALS 0902 TRADE NAME, ORGANIC

58 GALLONS

0000002649 NASSAU HAND PRINTS

319 PENINSULA BLVD  
HEMPSTEAD 11550

- PERMITS

SIC # 2649 HAGSTROM E1114  
WATER DIST 16 SEWER DIST 01

HA9P974

DEPT OF HEALTH BUREAU OF LAND RESOURCES HAZARDOUS CHEMICAL/WASTE STORAGE LOCATIONS  
HAGSTROM COORDINATES: E11

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ID-NUM

0000004036	TRIMCO 428 PENINSULA BLVD HEMPSTEAD 11550 CHEMICALS 0044 ADHESIVES, NOS 0843 SURFACTANTS 0902 TRADE NAME, ORGANIC 0968 WAXES, MISC	- PERMITS	SIC # 5531 HAGSTROM E1114 WATER DIST 16 SEWER DIST 01 30 GALLONS 25 GALLONS 600 GALLONS 50 GALLONS
0000000120	AMERICAN SUNROOF 522 PENINSULA BLVD HEMPSTEAD 11550 CHEMICALS 0492 LACQUER THINNER WASTES 10 PAINTS TRANSPORTER(S) 24	- PERMITS 360-1 YES	SIC # 7531 HAGSTROM E1114 00B 81 WATER DIST 16 SEWER DIST C1 220 GALLONS 0 GALLONS
0000000180	BOURGES COLOR CORP 99 SEWELL ST HEMPSTEAD 11551 CHEMICALS 0902 TRADE NAME, ORGANIC TRANSPORTER(S) 24	- PERMITS ARTXI-1YES	SIC # 2641 HAGSTROM E1114 00B 86 WATER DIST 16 SEWER DIST 01 55 GALLONS
0000003049	LONDON MACHINE CO 118 SOUTH FRANKLIN ST HEMPSTEAD 11550 CHEMICALS 0902 TRADE NAME, ORGANIC	- PERMITS	SIC # 3599 HAGSTROM E1114 WATER DIST 16 SEWER DIST 01 120 GALLONS
0000000330	GLOBAL EQUIPMENT CO 63 HEMLOCK DR HEMPSTEAD 11550 CHEMICALS 0492 LACQUER THINNER 0493 LACQUERS WASTES 02 ORGANIC CHEMICALS NON-HALOGENATED 10 PAINTS 27 NON-HALOGENATED SOLVENTS TRANSPORTER(S) 20 22 22 22 90	- PERMITS	SIC # 3499 HAGSTROM E1119 WATER DIST 16 SEWER DIST 01 5630 GALLONS 800 GALLONS 66 C GALLONS 1500 POUNDS 2210 GALLONS
0000003062	PARA LABORATORIES 100 ROSE AVE HEMPSTEAD 11550 CHEMICALS 0266 DENATURED ALCOHOL 0587 MINERAL OIL 0750 PROPYLENE GLYCOL 0902 TRADE NAME, ORGANIC	- PERMITS	SIC # 2844 HAGSTROM E1119 WATER DIST 16 SEWER DIST 01 9000 GALLONS 24000 GALLONS 0 GALLONS 2000 GALLONS
0000003068	RELIANCE PETRO PRODS 90 WEST GRAHAM AVE HEMPSTEAD 11550 CHEMICALS 0444 TETRASODIUM PYROPHOSPHATE 0448 HYDROGEN PEROXIDE	- PERMITS	SIC # 3496 HAGSTROM E1119 WATER DIST 16 SEWER DIST 01 0 GALLONS 0 GALLONS

HA9P974

DEPT OF HEALTH BUREAU OF LAND RESOURCES HAZARDOUS CHEMICAL/WASTE STORAGE LOCATIONS  
HAGSTROM COORDINATES: E11

RUN-DATE 04/13/90

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0000003063 RELIANCE PETRO PRODS

===== > CONTINUED <=====  
CHEMICALS 0902 TRADE NAME, ORGANIC

0 GALLONS

TOTAL PERMITS ISSUED HAGSTROM CODE: E11

360	1
ARTXI	5
SPDES	0

D  
APPENDIX D

## LABORATORY WORKSHEET

CHEMICAL EXAMINATION FOR TRACE ORGANIC  
CONSTITUENTS IN WATER, HAZARDOUS WASTES  
SOLID WASTES

Center for Laboratories and Research

Nassau County Department of Health

- 1  Routine  
 2  Resample  
 3  Special  
 4  Complaint  
 5  Other

Lab. No.

900573

Field No.

P-87

N No. (Public Water Supply Only)

## Source Information (Please Print)

Premises	MASCOLL RESIDENCE		
Address	217 S. FRANKLIN ST		
Town	HEMPSTEAD		
Collection Point	FRONT LAKE	Well No.	
LEFT SIDE WALKWAY			

Sampler's Comments:

HNCI readings - 11  
 depth 0-10"  
 2 1/2' from building  
 transported on ice

Date Collected	Month 4	Day 24	Year 90
Date Received	APR	21	1990
Date Reported	APR	27	1990
Collection Time	11:45am		
Collected By:	P. P. Hill		

## Bureau

- 1  Land Resources Management  
 2  Public Water Supply  
 3  Water Pollution Control  
 4  Environmental Sanitation  
 9  Other (specify)

SAMPLE TYPE

## AQUEOUS

## NON-AQUEOUS

1	Community Well	6	Surface Water	(1)	Soil
2	Non-Community Well	7	Waste Water	2	Sludge
3	Private Well	8	Industrial Effluent	3	Waste Solvent
4	Monitoring Well	9	Raw Supply Water	4	Oil
5	Drinking Water	10	Distribution Water	5	Other (specify)

ANALYSIS TYPE

A Purgeable Organic compounds  
 B Other (specify)

Examiner's Comments:

APR 27 1990

NASSAU COUNTY HEALTH DEPARTMENT  
 CENTER FOR LABORATORIES AND RESEARCH  
 ENVIRONMENTAL HEALTH LABORATORIES

## TRACE ORGANICS

Access Number: 900573  
 Source: MASCOLL RESIDENCE, 217 SOUTH FRANKLIN ST, HEMPSTEAD  
 Matrix: SOIL  
 Site: FRONT LAWN  
 Date Sampled: 04/24/90  
 Date of Report: 04/27/90

VOLATILE HALOGENATED	MRC (ng/g)	RESULT (ng/g)
VINYL CHLORIDE----- (WA24)-----	100	----- < 100
TRICHLOROFLUORMETHANE----- (WA01)-----	100	----- < 100
1,1-DICHLOROETHYLENE----- (WA15)-----	100	----- < 100
METHYLENE CHLORIDE----- (WA02)-----	100	----- < 100
t-1,2-DICHLOROETHYLENE----- (WA16)-----	100	----- < 100
1,1-DICHLOROETHANE----- (WA04)-----	100	----- < 100
c-1,2-DICHLOROETHYLENE----- (WA17)-----	100	----- < 100
CHLOROFORM----- (WA05)-----	100	----- < 100
1,1,1-TRICHLOROETHANE----- (WA06)-----	100	----- < 100
CARBON TETRACHLORIDE----- (WA07)-----	100	----- < 100
1,2-DICHLOROETHANE----- (WA18)-----	100	----- < 100
TRICHLOROETHYLENE----- (WA08)-----	100	----- < 100
1,2-DICHLOROPROPANE----- (WA20)-----	100	----- < 100
BROMODICHLOROMETHANE----- (WA09)-----	100	----- < 100
c-1,3-DICHLOROPROPENE----- (WA22)-----	100	----- < 100
t-1,3-DICHLOROPROPENE----- (WA23)-----	100	----- < 100
1,1,2-TRICHLOROETHANE ----- (WA19)-----	100	----- < 100
TETRACHLOROETHYLENE ----- (WA13)-----	100	----- < 100
DIBROMODICHLOROMETHANE----- (WA10)-----	100	----- < 100
BROMOFORM ----- (WA14)-----	100	----- < 100
1,1,2,2-TETRACHLOROETHANE-(WA21)-----	100	----- < 100

===== MRC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED

NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED

PPB: AIR - ng/l WATER - ug/l SOIL - ng/g

APR 26 1990

NASSAU COUNTY HEALTH DEPARTMENT  
 CENTER FOR LABORATORIES AND RESEARCH  
 ENVIRONMENTAL HEALTH LABORATORIES

## TRACE ORGANICS

Access Number: 900573  
 Source: MASCOLL RESIDENCE, 217 SOUTH FRANKLIN ST, HEMPSTEAD  
 Matrix: SOIL  
 Site: FRONT LAWN  
 Date Sampled: 04/24/90  
 Date of Report: 04/27/90

VOLATILE AROMATICS	MRC (ng/g)	RESULT (ng/g)
BENZENE ----- (WC01) -----	50	----- < 5
TOLUENE ----- (WC02) -----	100	----- < 10
CHLOROBENZENE ----- (WC03) -----	100	----- < 10
ETHYLBENZENE ----- (WC04) -----	100	----- < 10
XYLENE (o,m,p) ----- (WC05) -----	100	----- < 10
BROMOBENZENE ----- (WC09) -----	NR	----- NR
CHLOROTOLUENE ----- (WC10) -----	100	----- < 10
DICHLOROBENZENE (o,m,p) -- (WC06) -----	100	----- < 10
BUTYL BENZENE(tert,sec,n)- (WC08) -----	100	----- < 10

===== MRC - MINIMUM REPORTABLE CONCENTRATION

NA - NOT ANALYZED

NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED

PPB: AIR - ml/l WATER - ug/l SOIL - ng/g

ABG/7/1990



**Franklin Cleaners Site Well Logs**

DEPARTMENT OF PUBLIC WORKS  
DIVISION OF SANITATION AND WATER SUPPLY  
HAZARDOUS WASTE SERVICES UNIT  
NASSAU COUNTY, NEW YORK  
WELL LOG

<p><b>PROJECT:</b> <u>Franklin Cleaners</u></p> <p><b>DATE PREPARED:</b> <u>January 11, 1993</u></p> <p><b>PREPARED BY:</b> <u>M. Flaherty</u></p> <p><b>WELL NO.:</b> <u>FC-1</u></p> <p><b>LOCATION:</b> <u>North side of Cruikshank Ave.</u> <u>200 ft. East of S. Franklin St.</u></p> <p><b>M.P. ELEVATION:</b> <u>53.55</u></p> <p><b>DRILLER:</b> <u>Larry E. Tyree (K. Watson)</u></p> <p><b>TYPE OF RIG:</b> <u>Failing F-10 (Auger)</u></p> <p><b>DRILLING STARTED:</b> <u>November 12, 1992</u></p> <p><b>DRILLING ENDED:</b> <u>November 12, 1992</u></p> <p><b>PAGE:</b> <u>1</u> OF <u>2</u></p>			<p><b>WELL DATA</b></p> <p>HOLE DIAM. (IN): <u>12 "</u> FINAL DEPTH (FT): <u>40 '</u> CASING DIAM. (IN.): <u>4 "</u> CASING LNTH. (FT): <u>20 '</u> SCREEN SET. (FT.) <u>20'-40'</u> SCREEN SLOT/TYPE: <u>.020PVC</u> WELL STATUS: <u>Monitoring</u></p> <p><b>SAMPLER</b></p> <p>TYPE: <u>Split Spoon</u> HAMMER <u>140</u> LB. (Auto) FALL: <u>30</u> IN.</p>		<p><b>G.W. READINGS</b></p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DTW</th> <th>WTE</th> </tr> </thead> <tbody> <tr> <td><u>12/02/92</u></td> <td><u>20.95</u></td> <td><u>32.60</u></td> </tr> </tbody> </table> <p><b>DEVELOPMENT</b></p> <p>Overpumping for 1 hour at 8 GPM</p>			DATE	DTW	WTE	<u>12/02/92</u>	<u>20.95</u>	<u>32.60</u>
DATE	DTW	WTE											
<u>12/02/92</u>	<u>20.95</u>	<u>32.60</u>											
DEPTH (ft.)	LITH- OLOGY	USCS CLAS.	SAMPLE DESCRIPTION		SAMPLE NO.	REC.	DEPTH	BLOWS					
0 -			0-2' Brown-black topsoil										
-													
-		GM	2-7' Black-brown, fine, silty quartz sand with trace gravel.		1	16"	5-7'	28/2ft					
-													
10 -		SW	7-12' Orange-brown, medium to coarse, subangular to subround quartz sand with granules.		2	18"	10-12	25/2ft					
-													
-		SP	12-20' Tan-brown, fine to coarse, subangular to subround, well sorted quartz sand with trace gravel, some dark minerals.		3	16"	15-17	24/2ft					
-													
20 -		SW	20-25' Orange-brown, fine to coarse, moderately sorted quartz sand with some granules.		4	16"	20-22	36/2ft					
-													
-			Sample saturated at 25 ft.		5	18"	25-27	21/2ft					
-													
30 -		SP	25-42' Tan-brown, fine to medium, some coarse, well sorted quartz sand, trace granules.		6	18"	30-32	28/2ft					
-													

DEPTH (ft.)	LITH- OLOGY	USCS CLAS.	<u>SAMPLE DESCRIPTION</u>	<u>SAMPLE</u>			
				NO.	REC.	DEPTH	BLOWS
-				7		12"	35-37 39/2ft
-				8		12"	40-42 50/2ft.
40		SP	25-42' Tan-brown, fine to medium, some coarse, well sorted quartz sand, trace granules.				
-							
-							
-							
-							
-							
-							
-							
50							
-							
-							
-							
-							
-							
-							
60							
-							
-							
-							
-							
-							
70							
-							
-							
-							
-							
-							
80							
-							

TD= 42 ft.

DEPARTMENT OF PUBLIC WORKS  
DIVISION OF SANITATION AND WATER SUPPLY  
HAZARDOUS WASTE SERVICES UNIT  
NASSAU COUNTY, NEW YORK  
WELL LOG

DEPTH (ft.)	LITH- OLOGY	USCS CLAS.	SAMPLE DESCRIPTION	SAMPLE			
				NO.	REC.	DEPTH	BLOWS
-				7	24"	35-37	25/2ft
-							
-							
-							
40							
-							
-							
-							
-							
50							
-							
-							
-							
-							
60							
-							
-							
-							
-							
70							
-							
-							
-							
-							
80							
-							
-							

TD = 37 ft.

DEPARTMENT OF PUBLIC WORKS  
 DIVISION OF SANITATION AND WATER SUPPLY  
 HAZARDOUS WASTE SERVICES UNIT  
 NASSAU COUNTY, NEW YORK  
 WELL LOG

PROJECT: Franklin Cleaners  
 DATE PREPARED: January 11, 1993  
 PREPARED BY: M. Flaherty  
 WELL NO.: FC-3  
 LOCATION: West side of Linden Ave.  
200 ft. West of S. Franklin St.  
 M.P. ELEVATION: 52.64  
 DRILLER: Larry E. Tyree (K. Watson)  
 TYPE OF RIG: Failing F-10 (Auger)  
 DRILLING STARTED: November 13, 1992  
 DRILLING ENDED: November 13, 1992  
 PAGE: 1 OF: 2

WELL DATA  
 HOLE DIAM. (IN): 12 "  
 FINAL DEPTH (FT): 37 '  
 CASING DIAM. (IN.): 4 "  
 CASING LNTH. (FT): 17 '  
 SCREEN SET. (FT.) 17'-37'  
 SCREEN SLOT/TYPE: .020PVC  
 WELL STATUS: Monitoring

SAMPLER  
 TYPE: Split Spoon  
 HAMMER 140 LB. (Auto)  
 FALL: 30 IN.

G.W. READINGS

<u>DATE</u>	<u>DTW</u>	<u>WTE</u>
<u>12/02/92</u>	<u>21.00</u>	<u>31.64</u>

DEVELOPMENT

Overpumping for 1 hour  
 at 8 GPM

<u>DEPTH</u> <u>(ft.)</u>	<u>LITH-</u> <u>OLOGY</u>	<u>USCS</u> <u>CLAS.</u>	<u>SAMPLE DESCRIPTION</u>	<u>SAMPLE</u>			
				<u>NO.</u>	<u>REC.</u>	<u>DEPTH</u>	<u>BLOWS</u>
0 -			0-1' Black topsoil				
-							
-		GM	1-5' Brown, fine to medium, silty quartz sand, some gravel.				
-							
-							
10 -							
-							
-							
-							
-							
SW			5-25' Tan-brown, fine to coarse, subangular to subround, moderately to poorly sorted, micaceous quartz sand with granules and pebbles.				
-							
-							
-							
20 -							
-							
-							
-							
-							
SW			Spoon wet at 22 ft.				
-							
-							
-							
30 -							
-							
-							
-							
-							
SW			25-37' Orange-brown, fine to coarse, subround to subangular, moderately sorted, micaceous quartz sand increasingly fine with depth. Some dark minerals present.				
-							
-							
-							
-							

DEPTH (ft.)	LITH- OLOGY	USCS CLAS.	SAMPLE DESCRIPTION	SAMPLE			
				NO.	REC.	DEPTH	BLOWS
-		SW		7	24"	35-37	37/2ft
-							
-	TD=37 ft.						
40							
-							
-							
-							
-							
-							
50							
-							
-							
-							
-							
60							
-							
-							
-							
-							
70							
-							
-							
-							
-							
80							
-							

**DEPARTMENT OF PUBLIC WORKS  
DIVISION OF SANITATION AND WATER SUPPLY  
HAZARDOUS WASTE SERVICES UNIT  
NASSAU COUNTY, NEW YORK  
WELL LOG**

<u>DEPTH</u> (ft.)	<u>LITH-</u> <u>OLOGY</u>	<u>USCS</u> <u>CLAS.</u>	<u>SAMPLE DESCRIPTION</u>	<u>SAMPLE</u>			
				<u>NO.</u>	<u>REC.</u>	<u>DEPTH</u>	<u>BLOWS</u>
-							
-		SW					
-							
-							
-							
40							
-							
-							
-							
-							
-							
50							
-							
-							
-							
-							
60							
-							
-							
-							
-							
70							
-							
-							
-							
-							
80							
-							
-							
-							
-							

TD=38 ft.

C

NYTEST Environmental Inc., Laboratory Report Sheets



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

Jan. 29, 1993

NYSDEC  
Bureau of Technical Service Research  
50 Wolf Road, Room 301  
Albany, NY 12233-3502

Attn: Analytical Services Section

Nytest is pleased to submit our Project No. 9219574  
Log in No. 15282 on your sample (s) received: 12/31/92

Test sample (s) associated with this project will be retained for a period of thirty (30) days, unless otherwise instructed.

My staff is available to answer any questions concerning our report and we look forward to serving your future analytical needs.

Very truly yours,

Nytest Environmental Inc.

A handwritten signature in cursive script that reads "Remo Gigante".

Remo Gigante  
Exec. VP

RG:  
Enc.

SHIPPED VIA: FED. EXP. # 5999977152

CC: NYSDEC /Nassau County  
425 Salisbury Park Drive  
Westbury, NY 11590

CC: NYSDEC  
50 Wolf Rd. Room 220  
Albany, NY 12233

Attn: Mike Flaherty

Attn: Hayden Brewster

Fed. Exp. # 5999977163

Fed. Exp. # 5999977174

box 1518 □ 60 seaview blvd., port washington, ny 11050 □ (516) 625-5500  
fax (516) 625-1274



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

Project No.: 9219574  
Log in No. : 15282  
Case No. : SH092  
SDG No. : 1106  
P.O. No. : C002686  
Date : Jan. 27, 1993

SUMMARY DATA REPORT  
PACKAGE FOR

NYSDEC

Bureau of Technical Service Research

50 Wolf Road, Room 301

Albany, NY 12233-3502

ATTN: Analytical Services Section

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
----------------------	--------------------------	-------------------

WE CERTIFY THAT THIS REPORT IS A  
TRUE REPORT OF RESULTS OBTAINED  
FROM OUR TESTS OF THIS MATERIAL.

NYSDEC/Nassau County  
425 Salisbury Park Drive  
Westbury, NY 11590  
Attn: Mike Flaherty  
(Summary Only)

NYSDEC  
50 Wolf Road  
Albany, N.Y. 12233  
Attn: Hayden Brewster

NYS Lab ID. #10195

NJ Cert. #73469

um

Report on sample(s) furnished by client applies to sample(s). Report on sample(s) obtained by us applies only to lot sampled. Information contained herein is not to be used for reproduction except by special permission. Sample(s) will be retained for thirty days maximum after date of report unless specifically requested otherwise by client. In the event that there are portions or parts of sample(s) remaining after Nytest has completed the required tests, Nytest shall have the option of returning such sample(s) to the client at the client's expense.

RESPECTFULLY SUBMITTED,  
NYTEST ENVIRONMENTAL INC.

DOUGLAS SIEELEY  
LABORATORY DIRECTOR

box 1518 □ 60 seaview blvd., port washington, ny 11050 □ (516) 625-5500

NYTEST ENVIRONMENTAL Inc.

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
1528201	FC-1	Water
1528202	FC-2	Water
1528203	FC-3	Water
1528204	FC-4	Water
1528205	FIELD BLANK	Water
1528206	TRIP BLANK	Water

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nytest environmental<sub>inc</sub>

ASP Forms

0000001

nytest environmental inc.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND  
ANALYTICAL REQUIREMENT SUMMARY

nytest environmental inc.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY  
VOLATILE (VOA)  
ANALYSES

## nytest environmental<sup>inc.</sup>

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY  
PESTICIDE / PCB  
ANALYSES

nytest environmental inc.

SDG Narrative

000005

# nytest environmental<sub>inc.</sub>

## SDG Narrative

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Contract No.: 9219574  
Case No. : SH092  
SDG No. : 1106  
Log In No. : 15282

The following samples are contained in this SDG:

NYSDEC Sample ID	Laboratory ID
FC-1	1528201
FC-2	1528202
FC-3	1528203
FC-4	1528204
FIELD BLANK	1528205
TRIP BLANK	1528206

0000006

SDG Narrative

Log In No.: 15282

VOLATILES

System Monitoring Compounds

All system monitoring compound recoveries were within QC limits.

Blanks

No compounds were found in the method blank, VBLKK29.

Calibrations

Initial and continuing calibrations met QC requirements.

Internal Standard

All internal standard area counts were within QC limits.

Samples

Samples were analyzed according to NYSDEC 12/91 ASP. No problems were encountered.

0000007

PC  
JG, TP, DS, Shah/Loui/FILE  
ATT QC problem

nytest environmental inc.

IN REFERENCE TO  
LAB PROJECT NO. (s): 15282  
Cars SH092 SDG 1106

TELEPHONE RECORD LOG

DATE OF CALL: 1/6/93

CLIENT NAME : NYDEC

CLIENT PHONE NO.: 518 457 7146 Maurice Serefini / 518 997 8282 Tim Kelly

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

CALL INITIATED BY: Rene LABORATORY CLIENT: \_\_\_\_\_

IN REFERENCE TO DATA FOR THE FOLLOWING SAMPLE NUMBER (s):

Collected in reference of Project BNA

Extract run only No sufficient sample  
To reextract -

SUMMARY OF QUESTIONS/ISSUES DISCUSSED:

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SUMMARY OF RESOLUTION:

Do not analyze BNA -  
Client will not resample

---

---

---

SIGNATURE

1/6/93  
DATE

DISTRIBUTION: (1) LAB FILE COPY, (2) MANAGER'S COPY

0000008

nytest environmental<sub>inc</sub>

SDG Narrative

Log In No.: 15282

SEMIVOLATILE FRACTION

General Comment

As per the enclosed telephone record dated January 6, 1993, semivolatile analysis was not performed due to difficulties encountered with the extraction process.

0000009

# nytest environmental<sub>nc</sub>

## SDG Narrative

Case No.: SH092  
SDG No. : 1106  
Log In No.: 15282

### PESTICIDE/PCB FRACTION

#### Surrogates

All surrogate recoveries were within the QC limits.

#### Method Blank

No target compounds were found.

#### Calibration

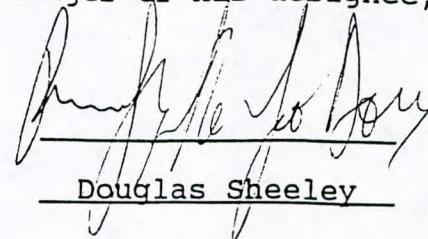
All initial and continuing calibrations standards passed the QC criteria.

#### Samples

All samples were analyzed as per ASP 12/91. Due to an insufficient amount of sample only 500 ml was used for the extraction of sample FC-4.

0000010

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of then data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.



Douglas Sheeley

0000011

nytest environmental, inc.

Form I

0000012

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: NYTEST ENV INC Contract: 9219574

FC-1

Lab Code: NYTEST Case No.: SH092 SAS No.: \_\_\_\_\_ SDG No.: 1106

Matrix: (soil/water) WATER Lab Sample ID: 1528201

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: K5209

Level: (low/med) LOW Date Received: 12/31/92

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 01/04/93

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

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

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

0000013

1E  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: <u>NYTEST ENV INC</u>	Contract: <u>9219574</u>	<u>FC-1</u>
Lab Code: <u>NYTEST</u>	Case No.: <u>SH092</u>	SAS No.: _____ SDG No.: <u>1106</u>
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: <u>1528201</u>	
Sample wt/vol: <u>5.00</u> (g/mL) <u>ML</u>	Lab File ID: <u>K5209</u>	
Level: (low/med) <u>LOW</u>	Date Received: <u>12/31/92</u>	
% Moisture: not dec. _____	Date Analyzed: <u>01/04/93</u>	
GC Column: <u>CAP</u> ID: <u>0.530</u> (mm)	Dilution Factor: <u>1.0</u>	
Soil Extract Volume: _____ (uL)	Soil Aliquot Volume: _____ (uL)	

Number TICs found: 0 CONCENTRATION UNITS:  
 (ug/L or ug/Kg) UG/L

CAS. NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

0000014

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: NYTEST ENV INC Contract: 9219574 FC-2

Lab Code: NYTEST Case No.: SH092 SAS No.:        SDG No.: 1106

Matrix: (soil/water) WATER Lab Sample ID: 1528202

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: K5210

Level: (low/med) LOW Date Received: 12/31/92

% Moisture: not dec. Date Analyzed: 01/04/93

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

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

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

0000015

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDSLab Name: NYTEST ENV INC Contract: 9219574 FC-2Lab Code: NYTEST Case No.: SH092 SAS No.: \_\_\_\_\_ SDG No.: 1106Matrix: (soil/water) WATER Lab Sample ID: 1528202Sample wt/vol: 5.00 (g/mL) ML Lab File ID: K5210Level: (low/med) LOW Date Received: 12/31/92% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 01/04/93GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

## CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

0000016

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FC-3

Lab Name: NYTEST ENV INC Contract: 9219574Lab Code: NYTEST Case No.: SH092 SAS No.: \_\_\_\_\_ SDG No.: 1106Matrix: (soil/water) WATER Lab Sample ID: 1528203Sample wt/vol: 5.00 (g/mL) ML Lab File ID: K5211Level: (low/med) LOW Date Received: 12/31/92% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 01/04/93GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	1	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

0000017

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FC-3

Lab Name: NYTEST ENV INC Contract: 9219574Lab Code: NYTEST Case No.: SH092 SAS No.: \_\_\_\_\_ SDG No.: 1106Matrix: (soil/water) WATER Lab Sample ID: 1528203Sample wt/vol: 5.00 (g/mL) ML Lab File ID: K5211Level: (low/med) LOW Date Received: 12/31/92% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 01/04/93GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

## CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

0000018

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FC-4

Lab Name: NYTEST ENV INC Contract: 9219574

Lab Code: NYTEST Case No.: SH092 SAS No.: \_\_\_\_\_ SDG No.: 1106

Matrix: (soil/water) WATER Lab Sample ID: 1528204

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: K5212

Level: (low/med) LOW Date Received: 12/31/92

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 01/04/93

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

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

CONCENTRATION UNITS:

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

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	2	J
67-64-1	Acetone	6	J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

0000019

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FC-4

Lab Name: NYTEST ENV INC Contract: 9219574Lab Code: NYTEST Case No.: SH092 SAS No.: \_\_\_\_\_ SDG No.: 1106Matrix: (soil/water) WATER Lab Sample ID: 1528204Sample wt/vol: 5.00 (g/mL) ML Lab File ID: K5212Level: (low/med) LOW Date Received: 12/31/92% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 01/04/93GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

## CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
-----	-----	-----	-----	-----

0000020

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: NYTEST ENV INCContract: 9219574

FIELDBLK

Lab Code: NYTESTCase No.: SH092

SAS No.: \_\_\_\_\_

SDG No.: 1106Matrix: (soil/water) WATERLab Sample ID: 1528205Sample wt/vol: 5.00 (g/mL) MLLab File ID: K5208Level: (low/med) LOWDate Received: 12/31/92

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 01/04/93GC Column: CAP ID: 0.530 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (total)	10	U

0000021

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

FIELDBLK

Lab Name: NYTEST ENV INC Contract: 9219574Lab Code: NYTEST Case No.: SH092 SAS No.: \_\_\_\_\_ SDG No.: 1106Matrix: (soil/water) WATER Lab Sample ID: 1528205Sample wt/vol: 5.00 (g/mL) ML Lab File ID: K5208Level: (low/med) LOW Date Received: 12/31/92% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 01/04/93GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

## CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

0000022

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: NYTEST ENV INC Contract: 9219574 TRIPBLK

Lab Code: NYTEST Case No.: SH092 SAS No.: \_\_\_\_\_ SDG No.: 1106

Matrix: (soil/water) WATER Lab Sample ID: 1528206

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: K5207

Level: (low/med) LOW Date Received: 12/31/92

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 01/04/93

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

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

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

0000023

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDSLab Name: NYTEST ENV INC Contract: 9219574 TRIPBLKLab Code: NYTEST Case No.: SH092 SAS No.: \_\_\_\_\_ SDG No.: 1106Matrix: (soil/water) WATER Lab Sample ID: 1528206Sample wt/vol: 5.00 (g/mL) ML Lab File ID: K5207Level: (low/med) LOW Date Received: 12/31/92% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 01/04/93GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

## CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

0000024

PESTICIDE ORGANICS<sup>1D</sup> ANALYSIS DATA-SHEET

EPA SAMPLE NO.

Lab Name: NYTEST ENV INCContract: 9219574

FC-1

Lab Code: NYTEST Case No.: SH092 SAS No.: \_\_\_\_\_ SDG No.: 1106Matrix: (soil/water) WATER Lab Sample ID: 1528201Sample wt/vol: 1000 (g/mL) ML Lab File ID: \_\_\_\_\_% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_ Date Received: 12/31/92Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/05/93Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/19/93Injection Volume: 1.00 (uL) Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 5.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-36-3-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

0000025

PESTICIDE ORGANICS<sup>1D</sup> ANALYSIS DATA-SHEET

EPA SAMPLE NO.

Lab Name: NYTEST ENV INCContract: 9219574

FC-2

Lab Code: NYTEST Case No.: SH092SAS No.: \_\_\_\_\_ SDG No.: 1106Matrix: (soil/water) WATERLab Sample ID: 1528202Sample wt/vol: 1000 (g/mL) ML

Lab File ID: \_\_\_\_\_

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Received: 12/31/92Extraction: (SepF/Cont/Sonc) SEPFDate Extracted: 01/05/93Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/19/93Injection Volume: 1.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 5.0Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.050	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.10	U
53494-70-5-----	Endrin ketone	0.50	U
7421-36-3-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

0000026

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: NYTEST ENV INC Contract: 9219574 FC-3

Lab Code: NYTEST Case No.: SH092 SAS No.: \_\_\_\_\_ SDG No.: 1106

Matrix: (soil/water) WATER Lab Sample ID: 1528203

Sample wt/vol: 1000 (g/mL) ML Lab File ID: \_\_\_\_\_

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_ Date Received: 12/31/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/05/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/19/93

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
319-84-6-----	alpha-BHC	0.050	U	
319-85-7-----	beta-BHC	0.050	U	
319-86-8-----	delta-BHC	0.050	U	
58-89-9-----	gamma-BHC (Lindane)	0.050	U	
76-44-8-----	Heptachlor	0.050	U	
309-00-2-----	Aldrin	0.050	U	
1024-57-3-----	Heptachlor epoxide	0.050	U	
959-98-8-----	Endosulfan I	0.050	U	
60-57-1-----	Dieldrin	0.10	U	
72-55-9-----	4,4'-DDE	0.10	U	
72-20-8-----	Endrin	0.10	U	
33213-65-9-----	Endosulfan II	0.10	U	
72-54-8-----	4,4'-DDD	0.10	U	
1031-07-8-----	Endosulfan sulfate	0.10	U	
50-29-3-----	4,4'-DDT	0.10	U	
72-43-5-----	Methoxychlor	0.50	U	
53494-70-5-----	Endrin ketone	0.10	U	
7421-36-3-----	Endrin aldehyde	0.10	U	
5103-71-9-----	alpha-Chlordane	0.050	U	
5103-74-2-----	gamma-Chlordane	0.050	U	
8001-35-2-----	Toxaphene	5.0	U	
12674-11-2-----	Aroclor-1016	1.0	U	
11104-28-2-----	Aroclor-1221	2.0	U	
11141-16-5-----	Aroclor-1232	1.0	U	
53469-21-9-----	Aroclor-1242	1.0	U	
12672-29-6-----	Aroclor-1248	1.0	U	
11097-69-1-----	Aroclor-1254	1.0	U	
11096-82-5-----	Aroclor-1260	1.0	U	

0000027

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: NYTEST ENV INC

Contract: 9219574

FC-4

Lab Code: NYTEST Case No.: SH092

SAS No.: \_\_\_\_\_ SDG No.: 1106

Matrix: (soil/water) WATER

Lab Sample ID: 1528204

Sample wt/vol: 500.0 (g/mL) ML

Lab File ID: \_\_\_\_\_

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Received: 12/31/92

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 01/05/93

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 01/19/93

Injection Volume: 1.00 (uL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
319-84-6-----	alpha-BHC	0.10	U
319-85-7-----	beta-BHC	0.10	U
319-86-8-----	delta-BHC	0.10	U
58-89-9-----	gamma-BHC (Lindane)	0.10	U
76-44-8-----	Heptachlor	0.10	U
309-00-2-----	Aldrin	0.10	U
1024-57-3-----	Heptachlor epoxide	0.10	U
959-98-8-----	Endosulfan I	0.10	U
60-57-1-----	Dieldrin	0.20	U
72-55-9-----	4,4'-DDE	0.20	U
72-20-8-----	Endrin	0.20	U
33213-65-9-----	Endosulfan II	0.20	U
72-54-8-----	4,4'-DDD	0.20	U
1031-07-8-----	Endosulfan sulfate	0.20	U
50-29-3-----	4,4'-DDT	0.20	U
72-43-5-----	Methoxychlor	1.0	U
53494-70-5-----	Endrin ketone	0.20	U
7421-36-3-----	Endrin aldehyde	0.20	U
5103-71-9-----	alpha-Chlordane	0.10	U
5103-74-2-----	gamma-Chlordane	0.10	U
8001-35-2-----	Toxaphene	10	U
12674-11-2-----	Aroclor-1016	2.0	U
11104-28-2-----	Aroclor-1221	4.0	U
11141-16-5-----	Aroclor-1232	2.0	U
53469-21-9-----	Aroclor-1242	2.0	U
12672-29-6-----	Aroclor-1248	2.0	U
11097-69-1-----	Aroclor-1254	2.0	U
11096-82-5-----	Aroclor-1260	2.0	U

0000028

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: NYTEST ENV INC Contract: 9219574 PBLK13

Lab Code: NYTEST Case No.: SH092 SAS No.: \_\_\_\_\_ SDG No.: 1106

Matrix: (soil/water) WATER Lab Sample ID: PBLK5213

Sample wt/vol: 1000 (g/mL) ML Lab File ID: \_\_\_\_\_

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_ Date Received: \_\_\_\_\_

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/05/93

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 01/19/93

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-36-3-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

0000029

nytest environmental<sub>inc</sub>

Form II

0000030

2A  
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: NYTEST ENV INC Contract: 9219574

Lab Code: NYTEST Case No.: SH092 SAS No.:        SDG No.: 1106

EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01 FC-1	104	100	97	0	0
02 FC-2	105	97	95	0	0
03 FC-3	100	100	99	0	0
04 FC-4	100	97	99	0	0
05 FIELDblk	100	100	97	0	0
06 TRIPBLK	100	97	96	0	0
07 VBLKK29	100	97	98	0	0

QC LIMITS

SMC1 (TOL) = Toluene-d8 ( 88-110)

SMC2 (BFB) = Bromofluorobenzene ( 86-115)

SMC3 (DCE) = 1,2-Dichloroethane-d4( 76-114)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D System Monitoring Compound diluted out

WATER PESTICIDE <sup>2E</sup>  
SURROGATE RECOVERY

Lab Name: NYTEST ENV INC Contract: 9219574  
 Lab Code: NYTEST Case No.: SH092 SAS No.:        SDG No.: 1106  
 GC Column(1): DB-608 ID: 0.53(mm) GC Column(2): DB-1701 ID: 0.53(mm)

EPA SAMPLE NO.	TCX %REC #	TCX %REC #	DCB %REC #	DCB %REC #	OTHER (1)	OTHER (2)	TOT OUT
01 PBLK13	92	93	104	113			
02 FC-1	80	80	88	98			0
03 FC-2	78	80	91	100			0
04 FC-3	75	77	86	95			0
05 FC-4	82	82	100	110			0

ADVISORY

QC LIMITS

( 60-150)

( 60-150)

TCX = Tetrachloro-m-xylene

DCB = Decachlorobiphenyl

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D Surrogate diluted out

nytest environmental<sup>inc</sup>

Form IV

0000033

## VOLATILE METHOD BLANK SUMMARY

VBLKK29

Lab Name: NYTEST ENV INC Contract: 9219574Lab Code: NYTEST Case No.: SH092 SAS No.: \_\_\_\_\_ SDG No.: 1106Lab File ID: K5204 Lab Sample ID: VBLKK29Date Analyzed: 01/04/93 Time Analyzed: 1417GC Column: CAP ID: 0.530(mm) Heated Purge: (Y/N) NInstrument ID: FIN K

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01 FC-1	1528201	K5209	1913
02 FC-2	1528202	K5210	1955
03 FC-3	1528203	K5211	2037
04 FC-4	1528204	K5212	2122
05 FIELDBLK	1528205	K5208	1828
06 TRIPBLK	1528206	K5207	1743

COMMENTS: VBLK K29  
5MLS, INST.FIN.K

0000034

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: NYTEST ENV INC Contract: 9219574VBLKK29Lab Code: NYTEST Case No.: SH092 SAS No.: \_\_\_\_\_ SDG No.: 1106Matrix: (soil/water) WATER Lab Sample ID: VBLKK29Sample wt/vol: 5.00 (g/mL) ML Lab File ID: K5204Level: (low/med) LOW Date Received: \_\_\_\_\_% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 01/04/93GC Column: CAP ID: 0.530 (mm) Dilution Factor: 1.0

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

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (total)	10	U

0000035

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: NYTEST ENV INC Contract: 9219574 VBLKK29

Lab Code: NYTEST Case No.: SH092 SAS No.: \_\_\_\_\_ SDG No.: 1106

Matrix: (soil/water) WATER Lab Sample ID: VBLKK29

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: K5204

Level: (low/med) LOW Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 01/04/93

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

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

Number TICs found: 0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

0000036

4C  
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK13

Lab Name: NYTEST ENV INCContract: 9219574Lab Code: NYTEST Case No.: SH092SAS No.: \_\_\_\_\_ SDG No.: 1106Lab Sample ID: PBLK5213

Lab File ID: \_\_\_\_\_

Matrix: (soil/water) WATERExtraction: (SepF/Cont/Sonc) SEPFSulfur Cleanup: (Y/N) NDate Extracted: 01/05/93Date Analyzed (1): 01/19/93Date Analyzed (2): 01/19/93Time Analyzed (1): 0915Time Analyzed (2): 0915Instrument ID (1): HP3AInstrument ID (2): HP3BGC Column (1): DB-608 ID: 0.53 (mm) GC Column (2): DB-1701 ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01 FC-1	1528201	01/19/93	01/19/93
02 FC-2	1528202	01/19/93	01/19/93
03 FC-3	1528203	01/19/93	01/19/93
04 FC-4	1528204	01/19/93	01/19/93

COMMENTS:

0000037

nytest environmental ~~inc.~~

Form VIII

0000038

8A  
VOLATILE INTERNAL ~~STANDARD~~ AREA AND RT SUMMARY

Lab Name: NYTEST ENV INC

Contract: 9219574

Lab Code: NYTEST Case No.: SH092

SAS No.: \_\_\_\_\_ SDG No.: 1106

Lab File ID (Standard): K5203

Date Analyzed: 01/04/93

Instrument ID: FIN K

Time Analyzed: 1307

GC Column: CAP ID: 0.530(mm)

Heated Purge: (Y/N) N

	IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD	79569	12.44	392748	15.35	351434	23.70
UPPER LIMIT	159138	12.94	785496	15.85	702868	24.20
LOWER LIMIT	39784	11.94	196374	14.85	175717	23.20
EPA SAMPLE NO.						
01 FC-1	66098	12.32	304729	15.22	251666	23.59
02 FC-2	48437	12.29	257089	15.20	206465	23.57
03 FC-3	62146	12.30	297913	15.20	266029	23.57
04 FC-4	60713	12.32	295705	15.24	264233	23.59
05 FIELDBLK	65263	12.30	301118	15.20	258303	23.55
06 TRIPBLK	64752	12.24	306423	15.12	267896	23.45
07 VBLKK29	66895	12.50	336618	15.40	294053	23.75

IS1 (BCM) = Bromochloromethane

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = + 100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = +0.50 minutes of internal standard RT.

RT LOWER LIMIT = -0.50 minutes of internal standard RT.

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

Lab Name: NYTEST ENVIRONMENTAL INC. Contract: 9219574

FCXXX1

Lab Code: 10195 Case No.: SH092 SAS No.: SDG No.: SDG110

Matrix (soil/water): WATER

Lab Sample ID: 528201

Level (low/med): LOW

Date Received: 12/31/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	41.0	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	5.0	U		F
7440-39-3	Barium	25.8	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	24100			P
7440-47-3	Chromium	7.0	U		P
7440-48-4	Cobalt	9.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	10.0	U		P
7439-92-1	Lead	3.0	U	W	F
7439-95-4	Magnesium	2870	B		P
7439-96-5	Manganese	13.2	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	39.0	U		P
7440-09-7	Potassium	2310	B		P
7782-49-2	Selenium	5.0	U		F
7440-22-4	Silver	7.0	U		P
7440-23-5	Sodium	19600			P
7440-28-0	Thallium	5.0	U	W	F
7440-62-2	Vanadium	6.0	U		P
7440-66-6	Zinc	18.6	B		P
5955-70-0	Cyanide	10.0	U		AS

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: \_\_\_\_\_

Comments:

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1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

FCXXX2

Lab Name: NYTEST ENVIRONMENTAL INC. Contract: 9219574

Lab Code: 10195 Case No.: SH092 SAS No.: SDG No.: SDG110

Matrix (soil/water): WATER

Lab Sample ID: 528202

Level (low/med): LOW

Date Received: 12/31/92

\* Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	90.4	B		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	5.0	U		P
7440-39-3	Barium	46.4	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	24300			P
7440-47-3	Chromium	7.0	U		P
7440-48-4	Cobalt	9.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	68.8	B		P
7439-92-1	Lead	3.0	U	W	F
7439-95-4	Magnesium	3080	B		P
7439-96-5	Manganese	11.9	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	39.0	U		P
7440-09-7	Potassium	2850	B		P
7782-49-2	Selenium	5.0	U		F
7440-22-4	Silver	7.0	U		P
7440-23-5	Sodium	24400			P
7440-28-0	Thallium	5.0	U	W	F
7440-62-2	Vanadium	6.0	U		P
7440-66-6	Zinc	6.0	U		P
5955-70-0	Cyanide	10.0	U		AS

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: \_\_\_\_\_

Comments:

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1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

FCXXXX3

Lab Name: NYTEST ENVIRONMENTAL INC. Contract: 9219574

Lab Code: 10195 Case No.: SH092 SAS No.: \_\_\_\_\_

SDG No.: SDG110

Matrix (soil/water): WATER

Lab Sample ID: 528203

Level (low/med): LOW

Date Received: 12/31/92

\* Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	41.0	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	5.0	U		F
7440-39-3	Barium	80.8	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	49500			P
7440-47-3	Chromium	7.0	U		P
7440-48-4	Cobalt	9.0	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	10.0	U		P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	11200		W	F
7439-96-5	Manganese	1.3	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	39.0	U		P
7440-09-7	Potassium	3250	B		P
7782-49-2	Selenium	5.0	U		F
7440-22-4	Silver	7.0	U		P
7440-23-5	Sodium	60900			P
7440-28-0	Thallium	5.0	U		F
7440-62-2	Vanadium	6.0	U		P
7440-66-6	Zinc	10.2	B		P
5955-70-0	Cyanide	10.0	U		AS

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: \_\_\_\_\_

Comments:

1  
INORGANIC ANALYSES DATA SHEET

NYSDEC SAMPLE NO.

FCXXX4

Lab Name: NYTEST\_ENVIRONMENTAL\_INC. Contract: 9219574

Lab Code: 10195 Case No.: SH092 SAS No.: SDG No.: SDG110

Matrix (soil/water): WATER

Lab Sample ID: 528204

Level (low/med): LOW

Date Received: 12/31/92

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	41.0	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	5.0	U	W	F
7440-39-3	Barium	58.5	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	29000			P
7440-47-3	Chromium	7.0	U		P
7440-48-4	Cobalt	9.0	U		P
7440-50-8	Copper	5.0	U		P
7439-69-6	Iron	10.0	U		P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	4080	B		P
7439-96-5	Manganese	4.9	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	39.0	U		P
7440-09-7	Potassium	2480	B		P
7782-49-2	Selenium	5.0	U		F
7440-22-4	Silver	7.0	U		P
7440-23-5	Sodium	30000			P
7440-28-0	Thallium	5.0	U	W	F
7440-62-2	Vanadium	6.0	U		P
7440-66-6	Zinc	6.0	U		P
5955-70-0	Cyanide	10.0	U		A6

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: \_\_\_\_\_

Comments:

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