VOLUNTARY CLEANUP
SUPPLEMENTAL SITE ASSESSMENT REPORT

POPULAR HAND LAUNDRY SITE
BROOKLYN, NEW YORK

Prepared for

88 INGRAHAM STREET
BROOKLYN, NEW YORK 11237

By

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Section 1

1.0 PURPOSE AND BACKGROUND

The purpose of this Supplemental Site Assessment is to satisfy the requirements of the New York State Department of Environmental Conservation (NYSDEC) for additional environmental data under the Voluntary Cleanup Program for the Popular Hand Laundry property located at 88 Ingraham Street, Brooklyn, New York.

This document is a supplement to the Voluntary Cleanup Site Assessment Report that was submitted to NYSDEC in December 1996, as part of the Voluntary Cleanup Program Application for this site. Based on review of the site assessment data that was contained in the application report, NYSDEC requested that additional soil and groundwater samples be collected at the site to confirm the results of the initial assessment, and to collect an ambient air sample to determine if the levels of contamination detected at the site pose a threat.

As a result of this request by NYSDEC, a letter work plan and addendum for a Supplemental Site Assessment was prepared and submitted to the Department on February 24, 1997 and February 26, 1997, respectively (see Appendix A). Based on a verbal approval of the NYSDEC Project Manager (Mr. Joseph O'Connell, Region 2 Office, Division of Environmental remediation), the supplemental investigation was conducted on March 3 and 4, 1997.

This document presents a description of the field program performed as part of the Supplemental Site Assessment (Section 2), the analytical results of the investigation (Section 3), validation of the data (Section 4), and conclusions and recommendations (Sections 5 and 6).

Section 2

2.0 FIELD PROGRAM

2.1 Ambient Air Sampling

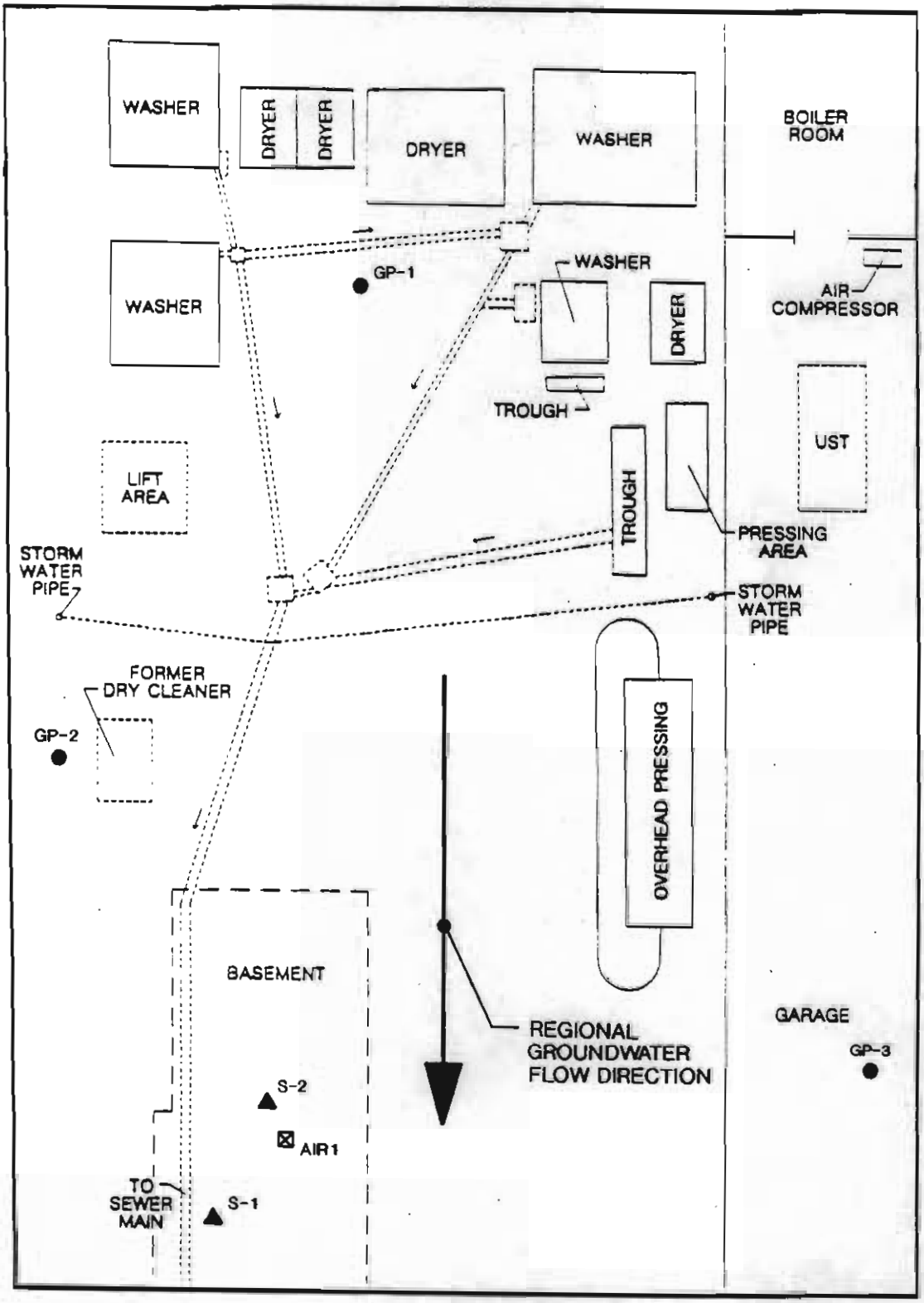
One ambient air sample (Air 1) was collected in the basement of the building (see Figure 1). The air sample was analyzed for volatile organic compounds (VOCs) (Method T01/T02). The ambient air sample was collected by pumping air at a flow rate of 10 ml/min through a tenax tube with a Gillian air pump. The total volume of air sampled was 1.5 liters. The air sample was analyzed by IEA, which is a New York State Department of Health Environmental Laboratory Approval Program (ELAP) laboratory.

2.2 Soil/Groundwater Probe Program

Four soil/groundwater probes were installed by Zebra Environmental, Inc. using the Geoprobe sampling system. In addition, two soil samples were collected manually in the basement. The locations of the sampling points are shown on Figure 1.

2.2.1 Probe Installation

The Geoprobe sampling system involved a soil/groundwater sampling device mounted to the back of an All Terrain Vehicle (ATV) which was connected to a remote drive unit. The sampler was hydraulically driven into the ground to the desired depth. The sample was then collected and the drill rods and soil sampling device were removed. Soil samples were collected upon removal of the drill rods and soil sampling device from the borehole. Due to limited access in the basement, the remote unit could not be utilized. As a result, these soil samples were collected by manually driving the Geoprobe soil sampler to the desired depth with a slidehammer and retrieving it with a jack. Upon removal of the rods and sampler, the boreholes were backfilled with cement-bentonite grout and patched with concrete at the surface.



LEGEND:

- ● GEOPROBE SOIL AND GROUNDWATER SAMPLING LOCATION AND NUMBER
- ○ GEOPROBE GROUNDWATER SAMPLING LOCATION AND NUMBER
- ▲ SOIL SAMPLING LOCATION AND NUMBER
- ⊠ AMBIENT AIR SAMPLING LOCATION AND NUMBER

NOTE: Not to Scale

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SITE LAYOUT AND SAMPLING LOCATIONS
POPULAR HAND LAUNDRY
BROOKLYN, NEW YORK

Figure 1

2.2.2 Subsurface Soil Sampling

Five subsurface soil samples were collected from locations GP-1, GP-2, GP-3, S-1 and S-2. All the soil samples were collected from the 0 to 2 foot depth interval with the exception of S-1. Soil samples at S-1 were collected at 2-foot intervals from grade to groundwater, approximately 13 feet below the basement floor. Each of the samples collected from the S-1 location was screened with a photoionization detector (PID) and observed for odor and discoloration. Based on the results of organic vapor screening and visual identification, a laboratory sample was selected from 6-7 feet below grade (refer to boring logs in Appendix B for PID readings). The soil samples were analyzed for VOCs utilizing Method 91-1, semivolatile organic compounds (SVOCs) utilizing Method 91-2 and Target Analyte List (TAL) metals. Soil samples, as well as the groundwater samples, were analyzed by Nytest Environmental which is an ELAP laboratory.

To penetrate the building concrete floor, a rotary carbide drill bit was utilized with the probe unit. For collection of the soil sample, a Geoprobe large bore sampler was driven to the top of the desired sample interval. The sampler was closed while it was being driven. At the top of the desired depth interval, the sampler was opened. The sampler was then driven through the sample interval and the sample collected. A soil sample, approximately 24 inches long and 1 inch in diameter, was obtained. Each of the samplers used was fitted with a new disposable acetate liner prior to use. The acetate liner assists in the removal of the soil sample from the tube and prevents sample cross contamination.

All samples were logged on-site by a geologist and immediately transferred to the sample containers. All sample containers were placed on ice in a cooler, sealed and transferred to the laboratory. The sampler and probe rods were decontaminated between each location with an alconox water wash followed by a distilled water rinse. During probe installation, ambient air was monitored for the presence of VOC vapors using a PID.

Generally, the subsurface soils encountered consisted of a fill material in the samples collected from a depth of 0 to 2 feet. Glacial moraine (till) consisting of clay, sand, gravel and boulders were encountered beneath the basement floor at the S-1 location from 2 to 13 feet (water table).

2.2.3 Groundwater Sampling

A total of four groundwater samples were collected from probe locations GP-1, GP-2, GP-3 and GP-4. The samples were collected at the water table at depth of approximately 21 feet below grade. Each sample was analyzed for VOCs Method 91-1, SVOCs Method 91-2 and TAL metals. Groundwater samples were collected after purging three to five well volumes of water and upon stabilization of pH, temperature and conductivity. Due to high turbidity in all the samples (> 999 NTUs) the laboratory filtered the samples for metals analysis.

To collect the groundwater samples, a screen point sampler was driven to the desired depth, opened and then retracted approximately 2 feet to expose a stainless steel screen. The stainless steel screen was then pushed into the resulting void by using chase rods from the surface. Hydrostatic pressure in the formation causes water to rise within the screen. Once the screen was exposed, a clean section of 3/8-inch diameter polyethylene tubing fitted with a clean stainless steel bottom check valve was inserted into the probe rods and slowly oscillated up and down to draw a column of water to the surface for collection. Groundwater samples were transferred directly into the laboratory bottles. The bottles were placed on ice in a cooler and delivered to the laboratory.

Prior to filling with the sample, the bottles were labeled with the project name, sample number, date and analysis to be performed. New latex gloves were worn during the sampling and handling of each sample. Chain of custody forms were completed for each sample delivery and the location of each probe was measured and recorded in a field notebook. The chain of custody forms are provided in Appendix C.

Prior to collecting the groundwater samples, the sampler and probe rods were decontaminated with an alconox and water wash followed by a distilled water rinse. Dedicated polyethylene tubing was used to collect each sample.

Section 3

3.0 ANALYTICAL RESULTS

The analytical results for the ambient air, soil and groundwater samples collected as part of the Supplemental Site Assessment are presented in Tables 1, 2, 3, respectively. The laboratory data is presented in Appendix D. Below is a discussion of each of the samples matrices.

3.1 Ambient Air Sampling

The ambient air sample collected in the building basement was analyzed for volatile organic compounds (VOCs). The results indicate low levels of a few VOCs, well below the Occupational Safety and Health Administrations' Permissible Exposure Limits (PEL) as shown in Table 1. The PELs are time-weighted average concentration limits for an eight-hour work shift of a 40-hour work week.

3.2 Subsurface Soil Sampling

The subsurface soil samples were collected 0 to 2 feet immediately below the concrete floor (three on the street/main level and one in the basement) and one sample was collected 6 to 7 feet below the basement floor which exhibited the highest screening levels of VOC vapors between the basement floor and groundwater (approximately 13 feet).

In general, the results show low levels of VOCs. The locations which exceeded the NYSDEC recommended soil cleanup objective for an individual compound was the sample (S-1) collected at a depth of 6-7 feet beneath the basement floor (1,2 dichloroethene [DCE] at 9.5 mg/kg versus a cleanup objective of 0.55 mg/kg) and GP2 collected at a depth of 0-2 feet beneath the main floor in the vicinity of the former dry cleaning machine (tetrachloroethene [PCE] at 11 mg/kg versus a cleanup objective of 1.4 mg/kg). The total VOCs of 11 mg/kg for sample GP2 is slightly above the cleanup objective of 10 mg/kg. These levels for PCE and DCE are below or just at the United States Environmental Protection Agency (USEPA) Soil Screening Level (SSL)

TABLE 1
VOLUNTARY CLEANUP
SUPPLEMENTAL SITE ASSESSMENT REPORT
POPULAR HAND LAUNDRY SITE
WORKPLACE AIR SAMPLING
VOLATILE ORGANIC COMPOUNDS
ANALYTICAL LABORATORY: NYTEST ENVIRONMENTAL, INC.

SAMPLE IDENTIFICATION	AIR#1	OSHA Permissible Exposure Limits (PELs) *
DATE OF COLLECTION	03/04/97	
QUANT. FACTOR	1.00	
VOLATILE ORGANICS	(nl/l)	(nl/l)
Chloromethane	U	
Bromomethane	U	
Vinyl Chloride	U	
Chloroethane	U	
Methylene Chloride	880 E	500000
Carbon Disulfide	U	
1,1-Dichloroethene	U	
1,1-Dichloroethane	U	
1,2-Dichloroethene (trans)	U	
1,2-Dichloroethene (cis)	U	
Chloroform	U	
1,2-Dichloroethane	U	
1,1,1-Trichloroethane	0.7 J	350000
Carbon Tetrachloride	U	
Bromodichloromethane	U	
1,2-Dichloropropane	U	
cis-1,3-Dichloropropene	U	
Trichloroethene	U	
Dibromochloromethane	U	
1,1,2-Trichloroethane	U	
Benzene	U	
Trans-1,3-Dichloropropene	U	
Bromoform	U	
Tetrachloroethene	0.9	100000
1,1,2,2-Tetrachloroethane	U	
Toluene	0.6 J	200000
Chlorobenzene	U	
Ethylbenzene	U	
Styrene	U	
m&p-Xylene	U	
o-Xylene	U	

QUALIFIERS/ABBREVIATIONS:
U: Compound analyzed for but not detected
J: Compound found at level below CRDL, value estimated
E: Concentration exceeds instrument calibration limits. Value estimated
* OSHA PELs obtained from NIOSH Pocket Guide to Chemical Hazards; June 1994

TABLE 2
VOLUNTARY CLEANUP
SUPPLEMENTAL SITE ASSESSMENT REPORT
POPULAR HAND LAUNDRY SITE
VOLATILE ORGANICS IN SOILS
ANALYTICAL LABORATORY: NYTEST ENVIRONMENTAL, INC.

SAMPLE IDENTIFICATION	GP1	GP2	GP3	S-1	S-2	CONTRACT REQUIRED DETECTION LIMIT	NYSDEC RECOMMENDED SOIL CLEANUP OBJECTIVES	USEPA SOIL SCREENING LEVELS (GENERIC SSLS)	
SAMPLE DEPTH	0-2 FEET	0-2 FEET	0-2 FEET	6-7 FEET	0-2 FEET				
DATE OF COLLECTION	03/03/97	03/04/97	03/03/97	03/04/97	03/04/97				
DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0			Ingestion	Inhalation Volatiles
PERCENT SOLIDS	90	87	90	75	85				
VOLATILE ORGANICS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
Chloromethane	U	U	U	U	U	10	---	---	---
Bromomethane	U	U	U	U	U	10	---	---	---
Vinyl Chloride	U	U	U	140	U	10	200	300	30
Chloroethane	U	U	U	U	U	10	1900	---	---
Methylene Chloride	3 JB	5 JB	3 JB	4 JB	4 JB	10	100	85000	13000
Acetone	2 J	2 J	2 J	20	3 J	10	200	7.8E+06	1.0E+08
Carbon Disulfide	U	U	U	U	U	10	2700	7.8E+06	720000
1,1-Dichloroethene	U	U	U	U	U	10	400	1000	70
1,1-Dichloroethane	U	U	U	U	U	10	200	7.8E+06	1.3E+06
1,2-Dichloroethene (total)	U	2 J	U	9500 D*	35	10	550*	1.6E+06**	3.1E+06**
Chloroform	U	U	U	U	U	10	300	100000	300
1,2-Dichloroethane	U	U	U	U	U	10	100	7000	400
2-Butanone	U	U	U	9 J	U	10	300	---	---
1,1,1-Trichloroethane	U	U	U	U	U	10	800	---	1.2E+06
Carbon Tetrachloride	U	U	U	U	U	10	600	5000	300
Bromodichloromethane	U	U	U	U	U	10	---	10000	3E+06
1,2-Dichloropropane	U	U	U	U	U	10	---	9000	15000
cis-1,3-Dichloropropene	U	U	U	U	U	10	---	4000***	100***
Trichloroethene	U	2 J	2 J	U	20	10	700	58000	5000
Dibromochloromethane	U	U	U	U	U	10	---	---	---
1,1,2-Trichloroethane	U	U	U	U	U	10	---	11000	1000
Benzene	U	U	U	U	U	10	60	22000	800
Trans-1,3-Dichloropropene	U	U	U	U	U	10	---	4000***	100***
Bromoform	U	U	U	U	U	10	---	81000	53000
4-Methyl-2-Pentanone	U	U	U	U	U	10	1000	---	---
2-Hexanone	U	U	U	U	U	10	---	---	---
Tetrachloroethene	10 J	11000 D*	33	U	140	10	1400	12000	11000
1,1,2,2-Tetrachloroethane	U	U	U	U	U	10	600	3000	600
Toluene	U	U	U	U	U	10	1500	1.6E+07	650000
Chlorobenzene	U	U	U	U	U	10	1700	1.6E+06	130000
Ethylbenzene	U	U	U	U	U	10	5500	7.8E+06	400000
Styrene	U	U	U	U	U	10	---	1.6E+07	1.5E+06
Total Xylenes	U	U	U	U	U	10	1200	1.6E+08****	460000****
Vinyl Acetate	U	U	U	U	U	10	---	7.8E+07	1E+06
TOTAL VOCs	15	11011	40	9673	202		10000	---	---

QUALIFIERS/ABBREVIATIONS:
J: Compound found at a concentration below the detection limit
U: Compound analyzed for but not detected
B: Compound found in the blank as well as the sample
D* Result taken from reanalysis at a 1:125 dilution
* Proposed - based on the sum of trans-1,2-dichloroethene (.300 ppm) and cis-1,2-dichloroethene (.250 ppm)
**These levels are for trans-1,2-dichloroethene
***These levels are for 1-3-dichloropropene
****These levels are for p-xlyene

NOTES:
1. ▒: Value exceeds recommended cleanup objective
2. Detection Limit = CRDL*DF*(100/%S)

TABLE 2
VOLUNTARY CLEANUP
SUPPLEMENTAL SITE ASSESSMENT REPORT
POPULAR HAND LAUNDRY SITE
SEMIVOLATILE ORGANICS IN SOILS
ANALYTICAL LABORATORY: NYTEST ENVIRONMENTAL, INC.

SAMPLE IDENTIFICATION	GP1	GP2	GP3	S-1	S-2	CONTRACT REQUIRED DETECTION LIMIT	NYSDEC RECOMMENDED SOIL CLEANUP OBJECTIVES	USEPA SOIL SCREENING LEVELS (GENERIC SSLS)	
SAMPLE DEPTH	0-2 FEET	0-2 FEET	0-2 FEET	6-7 FEET	0-2 FEET				
DATE OF COLLECTION	03/03/97	03/04/97	03/03/97	03/04/97	03/04/97				
DILUTION FACTOR	1.0	5.0	2.0	1.0	2.0				
PERCENT SOLIDS	90	87	90	75	85			Ingestion	Inhalation Volatiles
COMPOUNDS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
Phenol	U	U	U	U	U	330	30 OR MDL	4.7E+07	—
bis(2-Chloroethyl)ether	U	U	U	U	U	330	—	600	200
2-Chlorophenol	U	U	U	U	U	330	800	390000	5.3E+07
1,3-Dichlorobenzene	U	U	U	U	U	330	1600	—	—
1,4-Dichlorobenzene	U	U	U	U	U	330	8500	27000	—
1,2-Dichlorobenzene	U	U	U	U	U	330	7900	7E+06	560000
2-Methylphenol	U	U	U	U	U	330	100 OR MDL	3.9E+06	—
2,2'-oxybis(1-chloropropane)	U	U	U	U	U	330	—	—	—
4-Methylphenol	U	U	U	U	U	330	900	—	—
N-Nitroso-di-n-propylamine	U	U	U	U	U	330	—	90	—
Hexachloroethane	U	U	U	U	U	330	—	46000	55000
Nitrobenzene	U	U	U	U	U	330	200 OR MDL	39000	92000
Isophorone	U	U	U	U	U	330	4400	670000	4.6E+06
2-Nitrophenol	U	U	U	U	U	330	330 OR MDL	—	—
2,4-Dimethylphenol	U	U	U	U	U	330	—	1.6E+06	—
bis(2-Chloroethoxy)methane	U	U	U	U	U	330	—	—	—
2,4-Dichlorophenol	U	U	U	U	U	330	400	230000	—
1,2,4-Trichlorobenzene	U	U	U	U	U	330	3400	780000	3.2E+06
Naphthalene	U	U	100 J	U	100 J	330	13000	3.1E+06	—
4-Chloroaniline	U	U	U	U	U	330	220 OR MDL	310000*	—*
Hexachlorobutadiene	U	U	U	U	U	330	—	—	—
4-Chloro-3-methylphenol	U	U	U	U	U	330	240 OR MDL	—	—
2-Methylnaphthalene	U	U	170 J	U	79 J	330	36400	—	—
Hexachlorocyclopentadiene	U	U	U	U	U	330	—	550000	10000
2,4,6-Trichlorophenol	U	U	U	U	U	330	—	58000	200000
2,4,5-Trichlorophenol	U	U	U	U	U	800	100	7.8E+06	—
2-Chloronaphthalene	U	U	U	U	U	330	—	—	—
2-Nitroaniline	U	U	U	U	U	800	430 OR MDL	—	—
Dimethylphthalate	U	U	U	U	U	330	2000	—	—
Acenaphthylene	U	240 J	U	U	U	330	41000	—	—
2,6-Dinitrotoluene	U	U	U	U	U	330	1000	900	—
3-Nitroaniline	U	U	U	U	U	800	500 OR MDL	—	—
Acenaphthene	U	340 J	130 J	U	280 J	330	50000	4.7E+06	—
2,4-Dinitrophenol	U	U	U	U	U	800	200 OR MDL	160000	—
4-Nitrophenol	U	U	U	U	U	800	100 OR MDL	—	—

TABLE 2
VOLUNTARY CLEANUP
SUPPLEMENTAL SITE ASSESSMENT REPORT
POPULAR HAND LAUNDRY SITE
SEMIVOLATILE ORGANICS IN SOILS
ANALYTICAL LABORATORY: NYTEST ENVIRONMENTAL, INC.

SAMPLE IDENTIFICATION	GP1	GP2	GP3	S-1	S-2	CONTRACT REQUIRED DETECTION LIMIT	NYSDEC RECOMMENDED SOIL CLEANUP OBJECTIVES	USEPA SOIL SCREENING LEVELS (GENERIC SSLS)	
SAMPLE DEPTH	0-2 FEET	0-2 FEET	0-2 FEET	6-7 FEET	0-2 FEET				
DATE OF COLLECTION	03/03/97	03/04/97	03/03/97	03/04/97	03/04/97				
DILUTION FACTOR	1.0	5.0	2.0	1.0	2.0			Ingestion	Inhalation Volatiles
PERCENT SOLIDS	90	87	90	75	85				
COMPOUNDS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
Dibenzofuran	U	210 J	U	U	200 J	330	6200	----	----
2,4-Dinitrotoluene	U	U	U	U	U	330	----	900	—
Diethylphthalate	U	U	U	790	130 J	330	7100	6.3E+07	2E+06
4-Chlorophenyl-phenylether	U	U	U	U	U	330	----	----	----
Fluorene	U	320 J	U	U	310 J	330	50000	3.1E+06	—
4-Nitroaniline	U	U	U	U	U	800	—	----	----
4,6-Dinitro-2-methylphenol	U	U	U	U	U	800	—	----	—
N-Nitrosodiphenylamine	U	U	260 J	U	U	330	—	130000	—
4-Bromophenyl-phenylether	U	U	U	U	U	330	----	----	—
Hexachlorobenzene	U	U	U	U	U	330	410	400	1000
Pentachlorophenol	U	U	U	U	U	800	1000 OR MDL	3000	—
Phenanthrene	200 J	5100	680 J	U	2400	330	50000	----	—
Anthracene	U	1000 J	U	U	610 J	330	50000	2.3E+07	—
Carbazole	U	U	U	U	U	330	----	32000	—
Di-n-butylphthalate	U	U	U	U	U	330	8100	7.8E+06	2.3E+06
Fluoranthene	440	8200	310 J	60 J	2200	330	50000	3.1E+06	—
Pyrene	410	7000	380 J	U	1400	330	50000	2.3E+06	----
Butylbenzylphthalate	41 J	U	U	U	U	330	50000	1.6E+07	930000
3,3'-Dichlorobenzidine	U	U	U	U	U	330	----	1000	—
Benzo(a)anthracene	230 J	3600	170 J	U	760 J	330	224 OR MDL	900	—
Chrysene	260 J	3800	230 J	U	770 J	330	400	88000	----
bis(2-Ethylhexyl)phthalate	200 J	200 J	200 J	68 J	670 J	330	50000	46000	3.1E+07
Di-n-octylphthalate	U	U	U	U	U	330	50000	1.6E+06	1E+07
Benzo(b)fluoranthene	200 J	2500	150 J	U	660 J	330	224 OR MDL**	900	—
Benzo(k)fluoranthene	230 J	3600	170 J	U	470 J	330	224 OR MDL**	9000	—
Benzo(a)pyrene	240 J	3600	170 J	U	620 J	330	61 OR MDL	90	—
Indeno(1,2,3-cd)pyrene	160 J	2400	120 J	U	310 J	330	3200	900	—
Dibenz(a,h)anthracene	U	200 J	U	U	U	330	14 OR MDL	90	—
Benzo(g,h,i)perylene	180 J	2700	150 J	U	330 J	330	50000	—	—
Benzyl Alcohol	U	U	U	U	U	330	----	----	—
Benzoic Acid	U	U	U	50 J	U	330	2700	3.1E+08	—
TOTAL PAHs	2550	44600	2760	60	11120		----	----	—
TOTAL CARCINOGEN PAHs	1320	19700	1010	0	3490		10000**	----	—
TOTAL SVOCs	2791	45010	3390	968	12199		500000	----	—

QUALIFIERS/ABBREVIATIONS:
J: Compound found at a concentration below the detection limit, value estimated
U: Compound analyzed for but not detected
*Reported as p-Chloroaniline
**Proposed

NOTES:
1. ▒: Value exceeds recommended cleanup objective
2. —: Not established
3. Detection Limit = CRDL*DF*(100/%S)

TABLE 2
VOLUNTARY CLEANUP
SUPPLEMENTAL SITE ASSESSMENT REPORT
POPULAR HAND LAUNDRY SITE
INORGANIC CONSTITUENTS IN SOILS
ANALYTICAL LABORATORY: NYTEST ENVIRONMENTAL, INC.

SAMPLE IDENTIFICATION	GP1	GP2	GP3	S-1	S-2	INSTRUMENT DETECTION LIMITS	NYSDEC RECOMMENDED SOIL CLEANUP OBJECTIVES	USEPA SOIL SCREENING LEVELS (GENERIC SSLS)	
SAMPLE DEPTH	0-2 FEET	0-2 FEET	0-2 FEET	6-7 FEET	0-2 FEET				
DATE OF COLLECTION	03/03/97	03/04/97	03/03/97	03/04/97	03/04/97				
DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0			Ingestion	Inhalation Particulates
PERCENT SOLIDS	90.1	86.7	90.3	74.9	84.8				
INORGANIC CONSTITUENTS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(ug/l)	(mg/kg)	(mg/kg)	(mg/kg)
Aluminum	7440	5490	6680		9180	19.7	SB	—	—
Antimony	1.4 B	2.3 B	2.4 B	2.5 B	1.1 B	4.9	SB	31	—
Arsenic	33.6	7.6	4.6	7.5	2.9	4.1	7.5 or SB	0.4	750
Barium	175	168	404	80.5	38.2	5.7	300 or SB	5500	6.9E+05
Beryllium	0.51 B	0.34 B	0.42 B	0.68	0.38 B	0.1	0.16 or SB	0.1	1300
Cadmium	1.1	0.67	0.51 B	0.31 B	U	0.4	10*	78	1800
Calcium	5800	6920	2920	11400	1470	97.4	SB	—	—
Chromium	24.1	13.9	16.8	24.1	14.9	1.3	50*	390	270
Cobalt	7.4	6.3	7.6	9.8	7.1	1.2	30 or SB	—	—
Copper	99.0	329	52.0	34.8	13.4	1.8	25 or SB	—	—
Iron	29400	19600	23900	22900	15100	16.5	2000 or SB	—	—
Lead	358	524	787	69.4	36.7	1.8	**	400	—
Magnesium	2310	1430	2200	2630	1560	95.9	SB	—	—
Manganese	326	381	410	384	188	0.4	SB	—	—
Mercury	1.7	1.7	0.33	0.73	0.89	0.1	0.1	—	—
Nickel	19.0	13.1	19.2	18.5	10.0	2.1	13 or SB	1600	13000
Potassium	1160	1010	930	1740	634	271	SB	—	—
Selenium	U	1.3	0.49 B	U	0.72	4.1	2 or SB	390	—
Silver	0.36 B	0.28 B	0.22 B	U	U	2	SB	390	—
Sodium	578	485 B	472 B	612 B	235 B	633	SB	—	—
Thallium	U	U	U	U	U	5.2	SB	—	—
Vanadium	26.5	21.5	24.0	35.8	20.4	1.8	150 or SB	550	—
Zinc	337	384	226	73.4	32.4	3.4	20 or SB	23000	—

QUALIFIERS/ABBREVIATIONS:
U: Compound analyzed for but not detected
B: Compound concentration is less than the CRDL but greater than the IDL
* Proposed
** Backgroound levels for lead vary widely. Average background levels in metropolitan or surburban areas near highways are much higher and typically range from 200-500 ppm. The USEPA's Interim Lead Hazard Guidance (July 14, 1994) establishes a residential screening level of 400 ppm.

NOTES:
1. ▒: Value exceeds recommended cleanup objective
2. — : Not established
3. Detection Limit = IDL*DF*(100/%S)*(Final Vol/Initial Wt)
(Final Vol/Initial Wt) is typically 0.2-This converts ug/l to mg/kg

TABLE 3
VOLUNTARY CLEANUP
SUPPLEMENTAL SITE ASSESSMENT REPORT
POPULAR HAND LAUNDRY SITE
VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER
ANALYTICAL LABORATORY: NYTEST ENVIRONMENTAL, INC.

SAMPLE IDENTIFICATION	GP1GW	GP2GW	GP3GW	GP4GW	TRIP	CONTRACT REQUIRED DETECTION LIMIT	NYSDEC CLASS GA GROUNDWATER STANDARDS/GUIDELINES	NYSDOH DRINKING WATER MAXIMUM CONTAMINANT LEVELS (MCLs)
DATE OF COLLECTION	03/04/97	03/04/97	03/03/97	03/04/97	NA			
DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0			
VOLATILE ORGANICS	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Chloromethane	U	U	U	U	U	10	5 ST	—
Bromomethane	U	U	U	U	U	10	5 ST	—
Vinyl Chloride	10	14	72	440 JD****	U	10	2 ST	2
Chloroethane	U	U	U	U	U	10	5 ST	—
Methylene Chloride	7 J	U	U	U	2 J	10	5 ST	5
Acetone	16 B	U	15 B	12 B	23	10	50 GV	—
Carbon Disulfide	U	U	U	U	U	10	----	----
1,1-Dichloroethene	U	U	U	4 J	U	10	5 ST	5
1,1-Dichloroethane	U	3 J	2 J	4 J	U	10	5 ST	5
1,2-Dichloroethene (total)	1700 D*	660 D**	500 D***	5500 D****	U	10	5 ST*	5
Chloroform	U	U	U	U	U	10	7 ST	100**
1,2-Dichloroethane	U	U	U	U	U	10	5 ST	5
2-Butanone	25	U	U	U	U	10	50 GV	—
1,1,1-Trichloroethane	U	U	U	U	U	10	5 ST	5
Carbon Tetrachloride	U	U	U	U	U	10	5 ST	5
Bromodichloromethane	U	U	U	U	U	10	50 GV	100**
1,2-Dichloropropane	U	U	U	U	U	10	5 ST	5
cis-1,3-Dichloropropene	U	U	U	U	U	10	5 ST	5
Trichloroethene	29	2 J	38	300 JD****	U	10	5 ST	5
Dibromochloromethane	U	U	U	U	U	10	50 GV	100**
1,1,2-Trichloroethane	U	U	U	U	U	10	5 ST	5
Benzene	U	U	2 J	U	U	10	0.7 ST	5
Trans-1,3-Dichloropropene	U	U	U	U	U	10	5 ST	5
Bromoform	U	U	U	U	U	10	50 GV	100**
4-Methyl-2-Pentanone	7 J	U	U	U	U	10	----	—
2-Hexanone	U	U	U	U	U	10	50 GV	5
Tetrachloroethene	4 J	U	23	67	U	10	5 ST	5
1,1,2,2-Tetrachloroethane	U	U	U	U	U	10	5 ST	—
Toluene	3 J	1 J	1 J	U	U	10	5 ST	5
Chlorobenzene	U	U	U	U	U	10	5 ST	5
Ethylbenzene	U	U	11	U	U	10	5 ST	5
Styrene	U	U	U	U	U	10	5 ST	5
Total Xylenes	U	U	30	U	U	10	5 ST*	15
Vinyl Acetate	U	U	U	U	U	10	----	—
TOTAL VOCs	1801	680	694	6327	25			

QUALIFIERS/ABBREVIATIONS:
U: Compound analyzed for but not detected
B: Compound found in the method blank as well as the sample
J: Compound found at level below CRDL, value estimated
CRDL: Contract Required Detection Limit
D* Result obtained from reanalysis of the sample at a 1:20 Dilution
D** Result obtained from reanalysis of the sample at a 1:5 Dilution
D*** Result obtained from reanalysis of the sample at a 1:10 Dilution
D**** Result obtained from reanalysis of the sample at a 1:50 Dilution
GV: Guidance Value
ST: Standard

NOTES:
1. ▒▒▒: Value exceeds Class GA Standards/Guidelines
2. * : Applies to each isomer individually
3. **: Total trihalomethanes not to exceed 100 ug/l
4. —: Not established
5. Detection Limit = DF*CRDL

TABLE 3
VOLUNTARY CLEANUP
SUPPLEMENTAL SITE ASSESSMENT REPORT
POPULAR HAND LAUNDRY SITE
SEMIVOLATILE ORGANIC COMPOUNDS IN GROUNDWATER
ANALYTICAL LABORATORY: NYTEST ENVIRONMENTAL, INC.

SAMPLE IDENTIFICATION	GP1GW	GP2GW	GP3GW	GP4GW	CONTRACT REQUIRED DETECTION LIMIT	NYSDEC CLASS GA GROUNDWATER STANDARDS/ GUIDELINES	NYSDOH DRINKING WATER MAXIMUM CONTAMINANT LEVELS (MCLs)
DATE OF COLLECTION	03/04/97	03/04/97	03/03/97	03/04/97			
DILUTION FACTOR	1.0	1.0	1.0	1.0			
SEMIVOLATILE ORGANIC COMPOUND	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Phenol	U	U	U	U	10	1 ST **	—
bis(2-Chloroethyl)ether	U	U	U	U	10	1.0 ST	—
2-Chlorophenol	U	U	U	U	10	1 ST **	—
1,3-Dichlorobenzene	U	U	U	U	10	5 ST	—
1,4-Dichlorobenzene	U	U	U	U	10	4.7 ST *	—
1,2-Dichlorobenzene	U	U	U	U	10	4.7 ST *	—
2-Methylphenol	U	U	U	U	10	1 ST **	—
2,2'-oxybis(1-chloropropane)	U	U	U	U	10	5 ST	—
4-Methylphenol	U	U	U	U	10	1 ST **	—
N-Nitroso-di-n-propylamine	U	U	U	U	10	----	—
Hexachloroethane	U	U	U	U	10	5 ST	—
Nitrobenzene	U	U	U	U	10	5 ST	—
Isophorone	U	U	U	U	10	50 GV	—
2-Nitrophenol	U	U	U	U	10	1 ST **	—
2,4-Dimethylphenol	U	U	U	U	10	1 ST **	—
bis(2-Chloroethoxy)methane	U	U	U	U	10	5 ST	—
2,4-Dichlorophenol	U	U	U	U	10	1 ST **	—
1,2,4-Trichlorobenzene	U	U	U	U	10	5 ST	5
Naphthalene	U	1 J	12	U	10	10 GV	—
4-Chloroaniline	U	U	U	U	10	5 ST	—
Hexachlorobutadiene	U	U	U	U	10	5 ST	5
4-Chloro-3-methylphenol	U	U	U	U	10	1 ST **	—
2-Methylnaphthalene	U	U	28	U	10	----	—
Hexachlorocyclopentadiene	U	U	U	U	10	5 ST	—
2,4,6-Trichlorophenol	U	U	U	U	10	1 ST **	—
2,4,5-Trichlorophenol	U	U	U	U	50	1 ST **	—
2-Chloronaphthalene	U	U	U	U	10	10 GV	—
2-Nitroaniline	U	U	U	U	50	5 ST	—
Dimethylphthalate	U	U	U	U	10	50 GV	—
Acenaphthylene	U	U	U	U	10	----	—
2,6-Dinitrotoluene	U	U	U	U	10	5 ST	—
3-Nitroaniline	U	U	U	U	50	5 ST	—
Acenaphthene	U	U	2 J	U	10	20 GV	—
2,4-Dinitrophenol	U	U	U	U	50	1 ST **	—
4-Nitrophenol	U	U	U	U	50	1 ST **	—

TABLE 3
VOLUNTARY CLEANUP
SUPPLEMENTAL SITE ASSESSMENT REPORT
POPULAR HAND LAUNDRY SITE
SEMIVOLATILE ORGANIC COMPOUNDS IN GROUNDWATER
ANALYTICAL LABORATORY: NYTEST ENVIRONMENTAL, INC.

SAMPLE IDENTIFICATION	GP1GW	GP2GW	GP3GW	GP4GW	CONTRACT REQUIRED DETECTION LIMIT	NYSDEC CLASS GA GROUNDWATER STANDARDS/ GUIDELINES	NYSDOH DRINKING WATER MAXIMUM CONTAMINANT LEVELS (MCLs)
DATE OF COLLECTION	03/04/97	03/04/97	03/03/97	03/04/97			
DILUTION FACTOR	1.0	1.0	1.0	1.0			
SEMIVOLATILE ORGANIC COMPOUND	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Dibenzofuran	U	U	1 J	U	10	----	—
2,4-Dinitrotoluene	U	U	U	U	10	5 ST	—
Diethylphthalate	U	U	U	U	10	50 GV	—
4-Chlorophenyl-phenylether	U	U	U	U	10	----	—
Fluorene	U	U	3 J	U	10	50 GV	—
4-Nitroaniline	U	U	U	U	50	5 ST	—
4,6-Dinitro-2-methylphenol	U	U	U	U	50	1 ST **	—
N-Nitrosodiphenylamine	U	U	U	U	10	50 GV	—
4-Bromophenyl-phenylether	U	U	U	U	10	----	—
Hexachlorobenzene	U	U	U	U	10	0.35 ST	—
Pentachlorophenol	U	U	U	U	50	1 ST **	—
Phenanthrene	U	U	4 J	U	10	50 GV	—
Anthracene	U	U	U	U	10	50 GV	—
Carbazole	U	U	U	U	10	----	—
Di-n-butylphthalate	1 J	U	U	U	10	50 ST	—
Fluoranthene	U	U	U	U	10	50 GV	—
Pyrene	U	U	U	U	10	50 GV	—
Butylbenzylphthalate	U	U	U	U	10	50 GV	—
3,3'-Dichlorobenzidine	U	U	U	U	10	5 ST	—
Benzo(a)anthracene	U	U	U	U	10	0.002 GV	—
Chrysene	U	U	U	U	10	0.002 GV	—
bis(2-Ethylhexyl)phthalate	2 J	U	1 J	U	10	50 ST	—
Di-n-octylphthalate	U	U	U	U	10	50 GV	—
Benzo(b)fluoranthene	U	U	U	U	10	0.002 GV	—
Benzo(k)fluoranthene	U	U	U	U	10	0.002 GV	—
Benzo(a)pyrene	U	U	U	U	10	ND ST	—
Indeno(1,2,3-cd)pyrene	U	U	U	U	10	0.002 GV	—
Dibenz(a,h)anthracene	U	U	U	U	10	----	—
Benzo(g,h,i)perylene	U	U	U	U	10	----	—
Benzyl Alcohol	U	U	U	U	10	----	—
Benzoic Acid	U	U	U	U	50	----	—
TOTAL PAHs	0	1	21	0			
TOTAL CARCINOGEN PAHs	0	0	0	0			
TOTAL SVOCs	3	1	51	0			

QUALIFIERS/ABBREVIATIONS:
J: Compound found at a concentration below the detection limit
U: Compound analyzed for but not detected
ST: Standard
GV: Guidance Value

NOTES:
1. [shaded box]: Value exceeds Class GA Guideline
2. *: Value pertains to the sum of the isomers
3. **: Value pertains to total phenols
4. —-: Not established
5. Detection Limit = DF*CRDL

TABLE 3
VOLUNTARY CLEANUP
SUPPLEMENTAL SITE ASSESSMENT REPORT
POPULAR HAND LAUNDRY SITE
INORGANIC CONSTITUENTS IN GROUNDWATER
ANALYTICAL LABORATORY: NYTEST ENVIRONMENTAL, INC.

SAMPLE IDENTIFICATION	GP1GW	GP1GW-F	GP2GW	GP2GW-F	GP3GW	GP3GW-F	GP4GW	GP4GW-F	INSTRUMENT DETECTION LIMITS	NYSDEC CLASS GA GROUNDWATER STANDARDS/GUIDELINES	NYSDOH DRINKING WATER MAXIMUM CONTAMINANT LEVELS
DATE OF COLLECTION	03/04/97	03/04/97	03/04/97	03/04/97	03/03/97	03/03/97	03/04/97	03/04/97			
DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			
INORGANIC CONSTITUENTS	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Aluminum	381000	268	385000	431	209000	280	203000	125 B	19.7	----	----
Antimony	46.4 B	U	37 B	U	52 B	U	40.2 B	U	4.9	3 GV	----
Arsenic	104	U	113	U	99.3	U	99.0	U	4.1	25 ST	50
Barium	2460	209	3620	263	1550	677	2590	243	5.7	1000 ST	1000
Beryllium	18.3	U	21.2	U	18.3	U	21.2	U	0.10	3 GV	----
Cadmium	12.3	0.91 B	6.2	0.46 B	U	U	5.4	0.48 B	0.40	10 ST	5
Calcium	162000	136000	212000	195000	154000	144000	181000	183000	97.4	----	----
Chromium	1780	U	667	U	1020	U	647	U	1.3	50 ST	100
Cobalt	392	11.8 B	558	20.1 B	320	16.1 B	363	4.1 B	1.2	----	----
Copper	1340	4.0 B	1080	2.9 B	896	8.8 B	741	4.6 B	1.8	200 ST	1000
Iron	1490000	420	1260000	155	165000	1010	1190000	4120	16.5	300 ST *	300*
Lead	366	U	298	U	475	U	250	U	1.8	25 ST	15**
Magnesium	135000	24400	158000	48900	96700	40100	128000	51900	95.9	35000 GV	----
Manganese	26000	7830	47300	7420	19600	8810	24600	862	0.4	300 ST *	300*
Mercury	2.1	U	0.67	U	1.4	U	0.53	U	0.10	2 ST	2
Nickel	1160	43.5	862	24.2 B	643	24.7 B	547	14.2 B	2.1	----	----
Potassium	97200	21200	92500	22800	57200	12000	66300	9440	271	----	----
Selenium	U	U	U	U	U	U	U	U	4.1	10 ST	10
Silver	U	U	U	U	U	U	U	U	2.0	50 ST	50
Sodium	99100	98300	95000	92600	140000	150000	88000	129000	633	20000 ST	----
Thallium	U	9.3 B	42.3	14.2	U	U	U	U	5.2	4 GV	----
Vanadium	1070	U	916	U	993	U	1000	U	1.8	----	----
Zinc	4300	45.1	1130	68.4	1210	157	1240	37.9	3.4	300 ST	5000

QUALIFIERS/ABBREVIATIONS:
U: Compound analyzed for but not detected
B: Compound concentration is less than the CRDL but greater than the IDL.
GV: Guidance Value
ST: Standard

NOTES:
1. ▒: Value exceeds Class GA Standards/Guidelines (filtered samples only)
2. *: Standard for the sum of iron and manganese is 500 ug/l
3. **: Action level for lead is 15 ug/l effective 12/7/92
4. ----: Not established
5. Detection Limit = DF*IDL

of 1,600 mg/kg for DCE and 11 mg/kg for PCE Note, however, these SSLs are for residential land use and the Popular Hand Laundry site is used for industrial purposes and is located in a predominantly industrial area.

With regard to SVOCs, all samples, except for the sample 6-7 feet below the basement floor, showed some exceedances of the NYSDEC soil cleanup objectives for individual compounds. However, except for the sample (GP2) collected below the main floor near the former location of the dry cleaning machine, both the levels of total SVOCs and total carcinogen SVOCs are less than the NYSDEC cleanup objectives of 500 mg/kg and 10 mg/kg, respectively. The levels of total carcinogenic SVOCs (polycyclic aromatic hydrocarbons [PAHs]) in sample GP2 was 19.7 mg/kg.

With regard to metals, although there are a number of exceedances of the NYSDEC soil cleanup objectives, most exceedances are minor, except for iron and zinc. The levels for zinc however, were well below the USEPA SSL (Table 2). It should be noted, that while there are some exceedances of the NYSDEC soil cleanup objective for SVOCs and metals, the source of these contaminants is not likely a result of discharges at the site, but rather, characteristic of the fill material which was used to construct the building. In addition, the soil cleanup objectives for iron and zinc are based on an average of USA Eastern background levels and are not health risk related as are USEPA's SSLs.

3.3 Groundwater Sampling

The groundwater samples were collected at the water table. The results indicate some exceedances of Class GA standards for VOCs, in particular for 1,2 dichloroethene. The results for SVOCs, except for a single slight exceedance of napthalene (GP3GW) (12 ug/l versus a guidance value of 10 ug/l) and a few filtered metals (iron, magnesium, manganese, sodium and slight exceedances for thallium [9.3 and 14.8 ug/l versus a guidance value of 4 ug/l]) did not indicate exceedances of standards or guidelines.

Section 4

4.0 DATA VALIDATION RESULTS

Five soil, four groundwater, one trip blank and one air sample were collected during the supplemental investigation at the Popular Hand Laundry site. The soil and groundwater samples were analyzed for Target Compound List (TCL) volatiles (VOCs), TCL semivolatiles (SVOCs) and Target Analyte List (TAL) metals. The analysis was performed in accordance with NYSDEC 12/91 Analytical Services Protocol (ASP) requirements by Nytest Environmental, Inc. The air sample was analyzed for TCL VOCs by Method T01/T02. The air analysis was performed by IEA, a subcontractor to D&B.

All data packages have been validated (reviewed) as per NYSDEC Quality Assurance/Quality Control (QA/QC) requirements for completeness, accuracy and adherence to the specified methods. The findings of the validation process are summarized below.

All analyses were performed in accordance with the specified methods and within the required holding times.

The semivolatile fraction of GP3GW and GP202 required reanalysis due to surrogate recoveries and/or internal standard area counts being outside QC limits. The reanalysis of each sample yielded results similar to the initial run; therefore, the results from the initial run are to be utilized for environmental assessment.

Several of the volatile samples required reanalysis at secondary dilutions due to compound concentrations exceeding the instrument calibration range. The results for the compounds impacted were taken from the diluted run and are flagged with a D on the data summary tables. All other results for those samples are from the initial undiluted analysis.

The methylene chloride results for all the soil samples and the acetone results for the water samples have been qualified as non-detect due to laboratory contamination.

The analysis of the air sample was performed in accordance with Method T01/T02.

No other problems were found with the data and all results are deemed valid and usable as qualified above.

Section 5

5.0 CONCLUSIONS

Based on the results of the ambient air sample, the contaminants detected in soil and groundwater beneath the site do not pose a threat.

While the soils beneath the main floor of the building indicate somewhat elevated levels of VOCs, SVOCs and metals, the SVOCs and metals are likely attributable to the fill material on which the building was constructed and not to discharges at the site. PAHs and metals are commonly associated with fill in New York City, much of it being the result of the disposal of coal ash. As mentioned in Section 3, this is evidenced by the results of the soil samples collected below the basement floor in the native soil, which showed low levels of SVOCs and metals.

The groundwater beneath the site indicates elevated levels of VOCs which may be attributable to the former dry cleaning operation in the building. However, while in general the results of the supplemental investigation are fairly similar to the initial investigation for groundwater for tetrachloroethene (PCE), trichloroethene (TCE) and vinyl chloride (VC), the results for 1,2 dichloroethene are higher. While it would be expected that PCE and its breakdown products (TCE, DCE and VC) would be present, the very low levels of PCE and TCE combined with the higher levels of DCE (two to three orders of magnitude) is not common.

Assuming, based on regional flow information, that groundwater flows in a northerly direction, it is possible that there is an upgradient source of DCE. The assumed upgradient groundwater data point showed 1.7 mg/l of DCE, while the downgradient results showed 0.5, 0.6 and 5.5 mg/l or an average downgradient level of 2.2 mg/l, which is similar to the upgradient value. DCE, besides being a breakdown product of PCE and TCE, is also used as a solvent.

If the DCE is attributable to the site, it is likely the result of leaky sewers beneath the building into which separated wash water from the dry cleaning operation was reportedly disposed. The results of the initial site assessment, which sampled the soil in the vicinity of the sewer lines below the building floor and detected low levels of PCE and its breakdown products,

as well as DCE detected below the sewer line in the supplemental investigation, appear to substantiate this hypothesis.

Section 6

6.0 RECOMMENDATIONS

Since the contaminants detected in the soil below the building are not significantly elevated, are not attributable to waste disposal at the site (but rather due to fill material), except perhaps due to leaky sewers, do not impair ambient air inside the building and are isolated from any contact by workers that occupy the building, remediation of soil at the Popular Hand Laundry property is not necessary and, therefore, not recommended.

With regard to groundwater, although there are elevated levels of contaminants that could be attributable to former dry cleaning operations at the property, they may also be the result of other sources of contamination in the highly industrial area that surrounds the site. Since the groundwater beneath and downgradient of the site is not currently used for potable supply, and based on the results for sodium, which range between 92.5 and 150 mg/l (groundwater standard of 20 mg/l), chloride, which ranges between 74.5 and 237 mg/l (groundwater standard of 250 mg/l), and total dissolved solids, which range between 861 and 1,020 mg/l, the groundwater appears to be saline as a result of the nearby English Kill (which is a salt water body), the groundwater in the area of the Popular Hand Laundry property is likely not suitable as a future source of potable water. (Saline/Class GSA groundwater is defined as having a chloride concentration of greater than 250 mg/l or a total dissolved solids concentration of greater than 1,000 mg/l.) As a result, remediation of the groundwater will not be beneficial. Therefore, remediation of groundwater is also not recommended.

Appendix A

APPENDIX A

SUPPLEMENTAL SITE ASSESSMENT WORK PLAN AND AMENDMENT

Dvirka and Bartilucci
CONSULTING ENGINEERS
330 Crossways Park Drive, Woodbury, New York, 11797-2015
516-364-9890 • 718-460-3634 • Fax: 516-364-9045

February 24, 1997

Joseph M. O'Connell
Division of Environmental Remediation
Region 2
New York State Department of
Environmental Conservation
47-40 21st Street
Long Island City, NY 11101

Re: Popular Hand Laundry
D&B No. 1447

Dear Mr. O'Connell:

As a result of our telephone conversation on February 21, 1997, please find below a revised work plan for the requested additional investigation.

1. Three Geoprobe soil and groundwater samples will be collected from the following locations. The soil samples will be collected at the 0-2′ depth interval and the groundwater sample will be collected at the water table.

   a. At the rear of the building. If this location outside of the building cannot be accessed, an alternate location inside the building will be utilized (see attached figure);

   b. In the area of the former dry cleaning machine; and

   c. In the northwestern area of the garage.

2. One Geoprobe groundwater (water table) sample will be collected at the front of the building.

3. Two soil samples will be collected in the basement. One sample will be collected from the 0-2′ depth interval in the center of where the boxes are stored, and one sample with the highest PID reading will be collected from a boring (to groundwater if possible) along the sewer line by the entrance to the basement.

4. The four groundwater samples and five soil samples will be analyzed for volatile organic compounds (VOCs)/ASP Method 91-1, semivolatile organic compounds (SVOCs)/ASP Method 91-2 and metals/ASP TAL metals. Groundwater samples will be collected after purging three to five well volumes (stabilization of temperature, conductivity and pH), and will be filtered for metals analysis if greater than 50 NTUs

5. One ambient air sample will be obtained in the basement of the building and analyzed for VOCs (Method T01/T02).

6. Groundwater samples will be collected with a bailer.

7. The ambient air samples for VOCs will be collected with a tenex tube.

8. QA/QC samples will comprise one trip blank (VOCs). No field blanks will be collected since dedicated bailers, tubing and soil samplers will be used. Laboratory method blanks and MS/MSDs will be utilized for data validation. NYTest Laboratory, which is ELAP certified, will perform the sample analysis; and

9. After sample collection, the Geoprobe and boring locations will be backfilled and grouted, if necessary.

Following receipt of the analytical results, a supplemental report to the Voluntary Cleanup Program Application will be prepared, which will provide the following:

1. Figure illustrating the locations of the Geoprobe points, soil borings and ambient air sample

2. Description of Geoprobe and boring construction and sample collection procedures

3. Tabulated analytical results and comparison to standards/guidelines

4. Data validation results

5. Conclusions

6. Recommendations

7. Appendix with complete laboratory data reports.

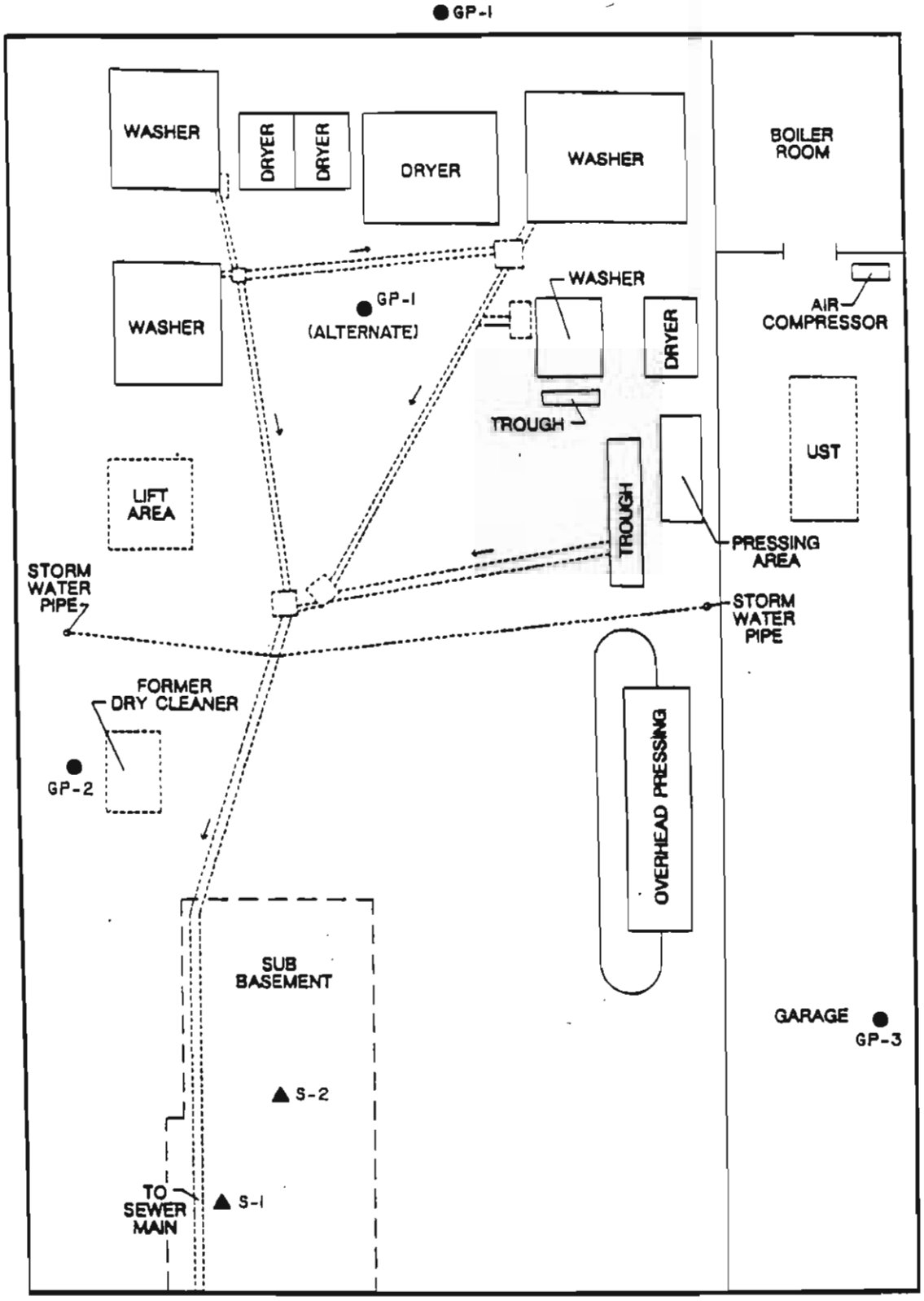
If you have any questions with regard to this revised work plan, or require additional information, please do not hesitate to call me. Since we would like to plan the field work for March 1 and 2, 1997, your expeditious review and aproval would be greatly appreciated.

Very truly yours,

Thomas F. Maher, P.E.
Vice President

TFM/tam
Enclosure
cc: Igor Bilewich, Esq., Farrell, Fritz
John Soderberg, Esq., Farrell, Fritz

o1447/TFM97-11.LTR



EXPLANATION

▲ SOIL BORING LOCATION

● GEOPROBE LOCATION

NOTE: Not to Scale

c:\acad\014933A\14933A01

ENVIRON

A Division of APSI Environmental Sciences Group, Inc.

SITE LAYOUT AND SAMPLING LOCATIONS
POPULAR HAND LAUNDRY
BROOKLYN, NEW YORK

Figure

Dvirka and Bartilucci
CONSULTING ENGINEERS

330 Crossways Park Drive, Woodbury, New York, 11797-2015
516-364-9890 • 718-460-3634 • Fax: 516-364-9045

February 26, 1997

Joseph M. O'Connell
Division of Environmental Remediation
Region 2
New York State Department of
Environmental Conservation
47-40 21st Street
Long Island City, NY 11101

Re: Popular Hand Laundry
D&B No. 1447

Dear Mr. O'Connell:

As requested, please find enclosed our Standard Operating Procedure for the collection of ambient air samples using a tenex tube.

If this is acceptable, as discussed, could you please send me a letter approving the supplemental field investigation to be conducted at the above referenced site.

If you have any questions, or require additional information, please do not hesitate to call me.

Very truly yours,

Thomas F. Maher, P.E.
Vice President

TFM/tam
Enclosure
cc: Igor Bilewich, Esq., Farrell, Fritz
John Soderberg, Esq., Farrell, Fritz

Q1447/TFM97-14.LTR

Standard Operating Procedures Collection of Ambient Air

1. Be certain that the sample location is noted on Location Sketch.

2. Label tube, fill out Sample Information Record and Chain of Custody Form.

3. Connect tube to pump with a flow meter in series using polyethylene tubing and set tube 5 feet above ground surface. Turn on pump and record the flow rate of the flow meter.

4. Turn on pump and monitor the pump flow rate at half hour intervals during the duration of sampling. Collect 1.5 liters of air through the tube.*

5. Turn off pump and disconnect tube and check the pump flow rate.

6. Place tube in container and place in cooler.

*To determine the duration of same collection a calculation is performed using the conversion chart for the flow meter utilized. The conversion chart assigns a flow rate to the readings on the flow meter. The calculation is as follows:

$$\text{Sample Time} = \frac{1.5 \text{ Liters}}{\text{Flow Rate (ml / min)}}$$

Appendix B

APPENDIX B

BORING LOGS

DWIRKA AND BARTILUCCI

DRILLING CONTRACTOR	DRILLING LOG	BORING NUMBER S-1
Driller: Zebra	PROJECT NAME: Popular Uniform	Sheet 1 of 1
Inspector: Keith Robinks		Boring Location:
Rig Type: Manual/Remote	PROJECT #: 1447	
Drilling Method: Manual soil probe	Location/Address: 88 Ingraham Street Brooklyn, NY	
Drive Hammer Weight: —		

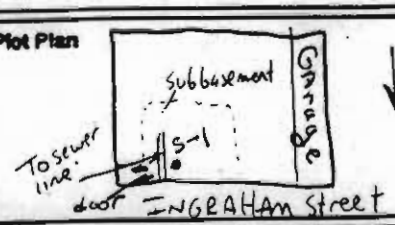
GROUNDWATER OBSERVATIONS			
Water Level			
Time			
Date			
Casing Depth		-	

Weather: Light drizzle / Snow

Date/Time Start: 3/4/97

Date/Time Finish: 3/4/97

Plot Plan



Sample Depth	Sample Number	SPT	PID/FID Reading	FIELD IDENTIFICATION OF MATERIAL	WELL SCHEMATIC	COMMENTS
0-2	SS-1	—	2 ppm	(0-2) Brown sand coarse-medium, silt, cobbles, gravel, concrete.		Fill material
rec	24"					
2-4	SS-2	—	2 ppm	(2-4) Brown cobbles, sand, gravel little silt		Fill material
rec	24"					
4-6	SS-3	—	3-5 ppm	(4-6) Brown silt, little gray brown clay - moist		Glacial (Till)
rec	24"					↓ (Lab sample)
6-8	SS-4	—	15-20 ppm	(6-8) Dark Brown-Gray silt some clay, black staining at (6-7)		possible organics
rec	24"					
8-10	SS-5	—	1.5 ppm	(8-10) Gray-Green silt, clay		wet at 10'
rec	24"					
10-12	SS-6	—	2.0 ppm	(10-12) Orange Brown dense clay, some silt, interbedded with small subrounded gravel, medium size cobbles. - damp-moist		Glacial (Till)
rec	24"					

END OF BORING AT 12'

SPT = STANDARD PENETRATION TEST

Soil Stratigraphy Summary

DVIRKA AND BARTILUCCI

DRILLING CONTRACTOR	DRILLING LOG	BORING NUMBER S-2
Driller: Zebra	PROJECT NAME: Popular Uniform	Sheet 1 of 1
Inspector: Keith Robins		Boring Location: AREA OF Storage boxes in Middle of Basement Floor.
Rig Type: Geoprobe Soil Sampler	PROJECT #: 1447	
Drilling Method: Manual Geoprobe	Location/Address: 88 Ingraham Street Brooklyn New York	
Drive Hammer Weight:		

GROUNDWATER OBSERVATIONS			
Water Level			
Time			
Date			
Casing Depth		-	

Weather: light drizzle / snow 30°F

Date/Time Start: 3/4/97

Date/Time Finish: 3/4/97

Plot Plan: Subbasement; S-2; GARAGE; N

Sample Depth	Sample Number	SPT	PID/FID Reading	FIELD IDENTIFICATION OF MATERIAL	WELL SCHEMATIC	COMMENTS
0-2	SS-1	-	0-1 ppm	(0-2') Brown-DK Brown sand course - medium qtz, silts, gravel, some large cobbles. Trace amounts of Brown-Orange Sand. dry-damp moisture. / poorly sorted.		Fill material concrete (0-2")
rec =	24"					
				END OF Boring AT 2.0 Feet		

SPT = STANDARD PENETRATION TEST

Soil Stratigraphy Summary

DVIRKA AND BARTILUCCI

DRILLING CONTRACTOR	DRILLING LOG	BORING NUMBER GP-1 (Soil)
Driller: Chris / Zebra	PROJECT NAME: Popular Uniform	Sheet 1 of 1
Inspector: Keith Robins		Boring Location:
Rig Type: Geoprobe	PROJECT #: 1447	
Drilling Method: Remote Unit	Location/Address: Brooklyn, New York 88 Ingraham Street	
Drive Hammer Weight:		

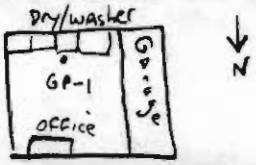
GROUNDWATER OBSERVATIONS			
Water Level			
Time			
Date			
Casing Depth		-	

Weather: Cloudy, cold 30°F

Date/Time Start: 3/3/97

Date/Time Finish: 3/3/97

Plot Plan



Sample Depth	Sample Number	SPT	PID/FID Reading	FIELD IDENTIFICATION OF MATERIAL	WELL SCHEMATIC	COMMENTS
0-2	SS-1	-	2-3 ppm	(0-2') concrete 0-3"		
rec:	24"			Brown - Dark Brown fine - medium Sand, little silt, trace black color, some fine to medium gravel, dry - damp.		Fill material
				END OF Boring at 2 FT		

SPT = STANDARD PENETRATION TEST

Soil Stratigraphy Summary

DVIRKA AND BARTILUCCI

DRILLING LOG

DRILLING CONTRACTOR
Driller: Zebra
Inspector: Keith Robins
Rig Type: Remote Unit
Drilling Method: Geoprobe
Drive Hammer Weight: —

PROJECT NAME: Popular Uniform
PROJECT #: 1447
Location/Address: 88 Ingraham Street, Brooklyn, New York

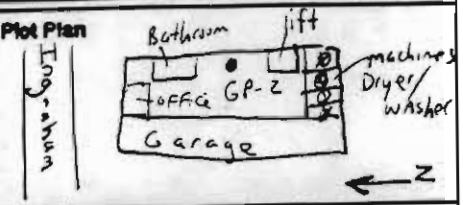
BORING NUMBER: GP-2 (Soil)
Sheet 1 of 1
Boring Location:

GROUNDWATER OBSERVATIONS

Water Level			
Time			
Date			
Casing Depth		-	

Weather: Light drizzle / snow 30°F
Date/Time Start: 3/4/97
Date/Time Finish: 3/4/97

Plot Plan



Sample Depth	Sample Number	SPT	PID/FID Reading	FIELD IDENTIFICATION OF MATERIAL	WELL SCHEMATIC	COMMENTS
0-2	SS-1	-	2 ppm	(0-2') 0-2" concrete		Fill material
rec =	24"			(2"-24") Dark Brown sand, some gravel subangular, red brick fragments, little silt, concrete pieces, poorly sorted		
				END OF Boring AT 2 Feet		

Soil Stratigraphy Summary

SPT = STANDARD PENETRATION TEST

DVIRKA AND BARTILUCCI

DRILLING CONTRACTOR	DRILLING LOG	BORING NUMBER GP-3 (Soil)
Driller: Zebra	PROJECT NAME: Popular Uniform	Sheet 1 of 1
Inspector: Keith Robins		Boring Location:
Rig Type: Remote Unit	PROJECT #: 1447	
Drilling Method: Geoprobe	Location/Address: 88 INGRAHAM ST. Brooklyn, NY.	
Drive Hammer Weight: —		

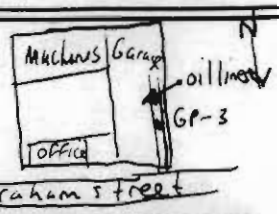
GROUNDWATER OBSERVATIONS			
Water Level			
Time			
Date			
Casing Depth		-	

Weather: Cold, cloudy 35°F

Date/Time Start: 3/3/97

Date/Time Finish: 3/3/97

Plot Plan



Sample Depth	Sample Number	SPT	PID/FID Reading	FIELD IDENTIFICATION OF MATERIAL	WELL SCHEMATIC	COMMENTS
0-2	SS-1	—	2-5	(0-2') Dark Brown medium to course sands, trace amounts of fine gravel, very slight petroleum odor. Soil has been backfilled around pipes. Due to replacing new pipes.		Collected between 2 underground oil pipes connected to boiler
rec=	24"					
				END OF Boring AT 2FT		

SPT = STANDARD PENETRATION TEST

Soil Stratigraphy Summary

Appendix C

APPENDIX C

CHAIN OF CUSTODY FORMS

TOTAL ANALYTICAL SERVICES FOR THE ENVIRONMENT

nytest environmental inc.

(516) 625-5500 FAX: (516) 625-1274

Chain of Custody Record

page #: 1 of 1

Client Name: Divicky and Bertilucci Engineers
Address: 330 Crossways Park Drive, Woodbury New York 11791

Project Manager: Tim Maher
Phone: 516 364-9870 FAX: 516 364-9875
Project Name: Popular Uniform
Project Number: 1447
P.O. #:
Analytical Protocol: Deliverables:
Sampled By: Keith Robins

Login #:
Ship to: Nytest Environmental Inc., 60 Seaview Blvd, Port Washington N.Y. 11050, Attn.: Sample Control
Date Shipped: Pick up
Carrier:
Air Bill #:
Cooler #:
C of C #:
SDG #:
NEI QT #:

Analysis Requested

Sample ID (Maximum of 6 Characters)	Date Sampled	Time Sampled	Sample Description	No. of Containers	Volatile Organics VOCs/ASP 91-1	Semi-volatile organic compounds SVOCs ASP 91	Metals ASP TAL metals	metals ASP TAL metals FILTERED						Comments
GP1GW	3/4/97	930	Groundwater GP-1 (21)	7	✓	✓	✓	✓						Filter metals in lab "F"
GP4GW	3/4/97	1100	Groundwater GP-4 (22)	7	✓	✓	✓	✓						Filter metals in lab "F"
S-1-67	3/4/97	1130am	soil in basement (6-7)	2	✓	✓	✓							
S-20-2	3/4/97	1230	Soil in basement (0-2)	2	✓	✓	✓							
GP20-2	3/4/97	230pm	GP-2 soil (0-2)	2	✓	✓	✓							
GP2GW	3/4/97	300pm	GP-2 Groundwater (21)	7	✓	✓	✓	✓						Filter metals in lab "F"

Bin #'s In/Out (For Lab Use Only)

Relinquished by:	Date / Time	Received by:	Date / Time
Keith Robins	3/4/97 500pm		
Print Name: Keith Robins		Print Name:	
Relinquished by:		Received by:	
Print Name:		Print Name:	
Relinquished by:		Received by Laboratory:	
Print Name:		Print Name:	

Special Instructions: ONE WEEK Turnaround on laboratory data.

Lab Use Only

Custody Seals: Intact Broken Absent
Sample Rec'd in Good Condition?: Y N
Sample Temperature: _____ Degrees Celsius
INSPECTED BY:
COMMENTS:

CLIENT RETAINS YELLOW COPY ONLY

Nytest Environmental Inc.
(516) 625-5500 FAX: (516) 625-1274

Chain of Custody Record

Page #: ___ of ___

Client Name: D'Vicka and Bartilucci
Address: 330 Crossways Park Drive, Woodbury New York 11797
Project Manager: Tom Maher
Phone: 516 364-9890 FAX: 516 364-9045
Project Name: Popular Variform
Project Number: 1447
P.O. #:
Analytical Protocol: Deliverables:
Sampled By: Keith Robins

Login #:
Ship to:
Nytest Environmental Inc.
60 Seaview Blvd
Port Washington N.Y. 11050
Attn.: Sample Control
Date Shipped: pick up 3/2/97
Carrier:
Air Bill #:
Cooler #:
C of C #:
SDG #:
NEI QT #:

Analysis Requested

Lab ID	Sample ID (Maximum of 6 Characters)	Date Sampled	Time Sampled	Sample Description	No. of Containers	Volatile Organic Compounds, Vols Asp 91-8	Semi-Volatile Organic Compounds ASP-91-8	Metals ASP TAL Metals	Metals ASP TAL Filter in Laboratory						Comments
	GP30-2	3/3/97	1000am	Soil (0-2)	2	✓	✓	✓							
	GP10-2	3/3/97	1200pm	Soil (0-2)	2	✓	✓	✓							
	GP3GW	3/3/97	1030pm	Groundwater al 21	7	✓	✓	✓	✓						

Bin #'s In/Out (For Lab Use Only)

Relinquished by:	Date / Time	Received by:	Date / Time
Keith Robins	3/3/97 500pm		
Print Name: Keith Robins		Print Name:	
Relinquished by:	Date / Time	Received by:	Date / Time
Print Name:		Print Name:	
Relinquished by:	Date / Time	Received by Laboratory:	Date / Time
Print Name:		Print Name:	

Special Instructions: ONE WEEK Turnaround on Results.

CLIENT RETAINS YELLOW COPY ONLY

Lab Use Only

Custody Seals: Intact Broken Absent
Sample Rec'd in Good Condition?: Y N
Sample Temperature: ___ Degrees Celsius
INSPECTED BY:
COMMENTS:

IEA
An Aquarion Company

200 Monroe Turnpike
Monroe, CT 06468
203-261-4458

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1 | NO.

EA JOB #:

CLIENT: Divirka and Bartilucci

PROJECT ID: 1447

EA PROJECT MGR: Tom Maher

RUSH ☑ YES ☐ NO | DUE DATE 1 week

TESTS	VOCs (method TO1/TO2)								GENERAL REMARKS
BOTTLE TYPE AND PRESERVATION	1 Glass Tenax Tube								

CUSTODY SEAL INTACT?	CLIENT SAMPLE DESCRIPTION	DATE / TIME SAMPLED	MATRIX CODE	LAB #	QC Y / N	FIELD FILTERED CHECK IF DONE Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	SAMPLE REMARKS
	Air #1	3/3/97 1:15	A											

MATRIX CODES

A - AIR
AQ - AQUEOUS
C - COMPLEX
D - DRUM WASTE
OI - OIL
S - SOIL
SL - SLUDGE
W - WIPE
O - OTHER
FB - FIELD BLANK
TB - TRIP BLANK

BOTTLES PREPPED BY	DATE / TIME	BOTTLES RECD BY	DATE / TIME
SIGNATURE		SIGNATURE	
SAMPLES COLLECTED BY: Keith Robins	DATE / TIME 3/3/97	RECEIVED IN LAB BY	DATE / TIME
SIGNATURE: Keith Robins		SIGNATURE	

REMARKS ON SAMPLE RECEIPT

☐ BOTTLES INTACT ☐ CUSTODY SEALS
☐ PRESERVED ☐ SEALS INTACT
☐ CHILLED ☐ SEE REMARKS

Appendix D

APPENDIX D

LABORATORY DATA

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

March 13, 1997

Dvirka & Bartilucci
330 Crossways Park Dr.
Woodbury, NY 11797

Attn : Robbin Petrella
Ref : Popular Uniform, Proj#1447
P.O. # : Pending

Nytest Environmental, Inc., is pleased to submit our Project Number 9723092 for Login Number 30704, on your sample received 03/05/97.

We certify that this report is a true report of results obtained from our tests of this material.

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.

Respectfully submitted,

Lori Beyer
Laboratory Director
Nytest Environmental, Inc.

Enclosure: Summary Data Package
Shipped Via: Driver 1 Unbound

NYS Lab ID#10195
NJ Cert.#73469

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

Table of Contents

NYTEST ENVIRONMENTAL Inc.

SDG:

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
3070401	S-1-67	Soil
3070402	S-20-2	Soil
3070403	GP20-2	Soil
3070404	GP1GW	Water
3070405	GP4GW	Water
3070406	GP2GW	Water

ASP FORMS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND
ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical Requirements					
		VOA GC/MS Method	BNA GC/MS Method	VOA GC Method	PEST PCB Method	METALS	OTHER
S-1-67	30704-01	X	X			X	
S-2C-2	30704-02						
GP2C-2	30704-03						
GP1GW	30704-04						
GP4GW	30704-05						
GP2GW	30704-06						

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY

INORGANIC ANALYSES

SAMPLE ID	MATRIX	METALS REQUESTED	DATE RECEIVED	DATE DIGESTED	DATE ANALYZED
S-1-67 (30704-01) S-20-2 (30704-02) GP20-2 (30704-03)	Soil	CLP TCL Metals.	03/05/97	03/07/97 03/06/97	03/11/97 03/07/97
GP1GW (30704-04) GP4GW (30704-05) GP2GW (30704-06)	Water	CLP TCL Metals, and CLP TCL metals dissolved.	03/05/97	03/07/97 03/06/97	03/10/97 03/07/97

nytest environmental inc

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
3070401	SOIL	3-4	3-5	NA	3-7 ; 3-11
02	"	✓	✓	✓	3-7
03	"				3-7 ; 3-12
04	WATER				3-7
05	"	✓	✓	✓	" ; 3-8
06	"				" ; 3-8

SDG NARRATIVE

NARRATIVE DISCUSSION
VOLATILES - 30704

INTRODUCTION

This narrative covers the analysis of three aqueous samples and three soil samples in accordance with protocols based on SW-846 Method 8260.

HOLDING TIMES

The analytical holding time for this analysis was met.

CALIBRATIONS

All required minimum RRFs and maximum %RSD initial calibration requirements have been met in accordance with the method. All required minimum RRFs and maximum %D continuing calibration requirements have been met in accordance with the method.

METHOD BLANKS

The method blanks associated with these samples meet all method requirements.

SURROGATES (SYSTEM MONITORING COMPOUNDS)

Surrogate recoveries were within QC limits, with the exception of sample GP2GWMS, which yielded surrogate recoveries outside QC limits. No further action was required.

MATRIX SPIKE BLANKS

The recoveries for the matrix spike blanks were within QC limits, for all medium level water samples. Batched QC is being supplied. The applicable Form 3 is included.

MATRIX SPIKES

Matrix Spikes were not designated to be performed on any of the samples covered by this report. Sample GP2GW and S-1-67DL was utilized in the MS/MSD series. All spike recoveries and RPD values fell within the advisory QC limits. One out of ten spike recoveries fell outside advisory QC limits. Two out of five RPD values fell outside advisory QC limits. Batched QC is being supplied. The applicable Form 3 is, therefore, being supplied, for low level and soil samples.

INTERNAL STANDARDS

All area responses and retention times fell within an acceptable range.

SAMPLE COMMENTS

Analysis of samples S-1-67, GP20-2, GP1GW and GP4GW yielded target analyte concentrations which exceeded the highest calibration standard. These compounds have been qualified "E". Reanalyses were performed at further dilutions. Both sets of data are included for each sample. The concentrations of these compounds should be taken from the diluted analyses. The TICs identified as "Unknown Siloxane" are most probably due to column degradation and not sample constituency. No other analytical problems were encountered.

NARRATIVE DISCUSSION
SEMIVOLATILES - 30704

INTRODUCTION

This narrative covers the analysis of two aqueous samples and three soil samples in accordance with protocols based on SW-846 Method 8270.

HOLDING TIMES

The extraction and analytical holding times for this analysis were met.

CALIBRATIONS

All required minimum RRFs and maximum %RSD initial calibration requirements have been met in accordance with the method. All required minimum RRFs and maximum %D continuing calibration requirements have been met in accordance with the method.

METHOD BLANKS

The method blanks associated with these samples meet all method requirements.

SURROGATES

All samples met surrogate QC criteria.

MATRIX SPIKES

Matrix spikes were not designated to be performed on any of the samples covered by this report.

INTERNAL STANDARDS

All area responses and retention times fell within an acceptable range.

SAMPLE COMMENTS

As previously mentioned sample GP20-2 required reanalysis due to internal standard area counts which fell outside QC limits. Therefore both sets of data have been included. No other analytical problems were encountered.

CASE NARRATIVE
METALS

Login No: 30704 SDG No: _____

HOLDING TIMES

All samples associated with this LOGIN were prepared and analyzed within the specified holding time.

CALIBRATIONS

All ICV and CCV standards meet QC criteria.

The percent recovery of all components in the CRDL standard recovered within NEI control limits of ± 50%.

BLANKS

All preparation blanks and calibration blanks associated with these analyses meet QC criteria.

MATRIX SPIKES

Samples S-20-2, GP1GW (ICP), and 30695-03, and GP2GW (Hg) were utilized as the matrix spike samples for these analyses.

Site specific QC was not requested for this login, therefore, batch QC is being supplied. Note that any matrix effects demonstrated by the batch QC sample may not be indicative of any potential matrix effects associated with the samples from this login.

All matrix spike recoveries met the 75-125% recovery criteria, with the exception of antimony, copper, iron, manganese, and zinc. A post-digestion spike was performed for the affected analytes and is reported on Form 5B.

The appropriate reporting qualifiers have been applied to the Form1 results as required.

DUPLICATES

Samples S-20-2, GP1GW (ICP), and 30695-02, and GP2GW (Hg) were utilized as the duplicate samples for these analyses.

Site specific QC was not requested for this login, therefore, batch QC is being supplied. Note that any matrix effects demonstrated by the batch QC sample may not be indicative of any potential matrix effects associated with the samples from this login.

All Relative Percent Differences (RPDs) met QC criteria, with the exception of arsenic, barium, calcium, chromium, copper, iron, lead, manganese, magnesium, nickel, potassium, selenium, vanadium, and zinc. The appropriate reporting qualifiers have been applied to the Form 1 results as required.

Note that all RPDs of 200% are due to one analyte being reported above the Instrument Detection Limit (IDL) and one result below the IDL.

LABORATORY CONTROL SAMPLE (LCS)

The percent recovery of all components in the LCS met QC criteria.

Note that an aqueous LCS is not required for Mercury analyses.

SERIAL DILUTION

A serial dilution was performed on samples S-20-2 and GP1GW. All percent differences (%D) were within the ± 10% acceptance limits, with the exception of barium, calcium, chromium, cobalt, iron, lead, manganese, magnesium, potassium, vanadium, and zinc, indicating a potential interference on sample quantitation from the sample matrix.

SAMPLES

All samples were analyzed in accordance with the requirements of the methods described in NYSDEC ASP.

No further analytical problems were encountered.

SPECIAL PROJECT NOTES

There is a 38% difference between the total and dissolved sample GP4GW (30704-05) for sodium. The original undigested dissolved sample was analyzed confirming the high value for this analyte.

I certify 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 the data contained in this hardcopy data package has been authorized by the Laboratory Director or her designee, as verified by the following signature.

Lori Beyer
Laboratory Director

FORM I

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP1GW

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: 3070404

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5473.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. _____ Data Analyzed: 03/07/97

Column: (pack/cap) CAP Dilution Factor: 1.0

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	
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	7	J
67-64-1	Acetone	16	B
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)	1400	E
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	25	
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	29	
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	7	J
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	4	J
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	3	J
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
108-05-4	Vinyl Acetate	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GP1GW

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: 3070404

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5473.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. _____ Data Analyzed: 03/07/97

Column: (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 1634-04-4	MTBE	5.615	5	NJ
2.	UNKNOWN AROMATIC	15.748	14	J
3.	UNKNOWN AROMATIC	15.790	17	J
4.	UNKNOWN AROMATIC	19.264	7	J
5.	UNKNOWN AROMATIC	20.773	14	J
6.	UNKNOWN AROMATIC	22.437	11	J
7.	UNKNOWN HYDROCARBON	23.300	5	J
8.	UNKNOWN HYDROCARBON	23.561	6	J
9.	UNKNOWN AROMATIC	24.133	9	J
10.	UNKNOWN AROMATIC	24.341	7	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP1GWDL

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: 3070404

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5479.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. _____ Data Analyzed: 03/07/97

Column: (pack/cap) CAP Dilution Factor: 20.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	200	U
74-83-9	Bromomethane	200	U
75-01-4	Vinyl Chloride	200	U
75-00-3	Chloroethane	200	U
75-09-2	Methylene Chloride	200	U
67-64-1	Acetone	200	U
75-15-0	Carbon Disulfide	200	U
75-35-4	1,1-Dichloroethene	200	U
75-34-3	1,1-Dichloroethane	200	U
540-59-0	1,2-Dichloroethene (total)	1700	D
67-66-3	Chloroform	200	U
107-06-2	1,2-Dichloroethane	200	U
78-93-3	2-Butanone	200	U
71-55-6	1,1,1-Trichloroethane	200	U
56-23-5	Carbon Tetrachloride	200	U
75-27-4	Bromodichloromethane	200	U
78-87-5	1,2-Dichloropropane	200	U
10061-01-5	cis-1,3-Dichloropropene	200	U
79-01-6	Trichloroethene	20	JD
124-48-1	Dibromochloromethane	200	U
79-00-5	1,1,2-Trichloroethane	200	U
71-43-2	Benzene	200	U
10061-02-6	trans-1,3-Dichloropropene	200	U
75-25-2	Bromoform	200	U
108-10-1	4-Methyl-2-Pentanone	200	U
591-78-6	2-Hexanone	200	U
127-18-4	Tetrachloroethene	200	U
79-34-5	1,1,2,2-Tetrachloroethane	200	U
108-88-3	Toluene	200	U
108-90-7	Chlorobenzene	200	U
100-41-4	Ethylbenzene	200	U
100-42-5	Styrene	200	U
1330-20-7	Xylene (total)	200	U
108-05-4	Vinyl Acetate	200	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GP1GWDL

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: 3070404

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5479.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. _____ Data Analyzed: 03/07/97

Column: (pack/cap) CAP Dilution Factor: 20.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP20-2

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: 3070403

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M5114.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 13 Data Analyzed: 03/07/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	5	JB
67-64-1	Acetone	2	J
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	2	J
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	2	J
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	340	E
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U
108-05-4	Vinyl Acetate	11	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GP20-2

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: 3070403

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M5114.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 13 Data Analyzed: 03/07/97

Column: (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	23.352	10	J
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP20-2DL

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: 3070403

Sample wt/vol: 4.0 (g/mL) G Lab File ID: P5548.D

Level: (low/med) MED Date Received: 03/05/97

% Moisture: not dec. 13 Data Analyzed: 03/12/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1400	U
74-83-9	Bromomethane	1400	U
75-01-4	Vinyl Chloride	1400	U
75-00-3	Chloroethane	1400	U
75-09-2	Methylene Chloride	700	JBD
67-64-1	Acetone	1400	U
75-15-0	Carbon Disulfide	1400	U
75-35-4	1,1-Dichloroethene	1400	U
75-34-3	1,1-Dichloroethane	1400	U
540-59-0	1,2-Dichloroethene (total)	1400	U
67-66-3	Chloroform	1400	U
107-06-2	1,2-Dichloroethane	1400	U
78-93-3	2-Butanone	1400	U
71-55-6	1,1,1-Trichloroethane	1400	U
56-23-5	Carbon Tetrachloride	1400	U
75-27-4	Bromodichloromethane	1400	U
78-87-5	1,2-Dichloropropane	1400	U
10061-01-5	cis-1,3-Dichloropropene	1400	U
79-01-6	Trichloroethene	1400	U
124-48-1	Dibromochloromethane	1400	U
79-00-5	1,1,2-Trichloroethane	1400	U
71-43-2	Benzene	1400	U
10061-02-6	trans-1,3-Dichloropropene	1400	U
75-25-2	Bromoform	1400	U
108-10-1	4-Methyl-2-Pentanone	1400	U
591-78-6	2-Hexanone	1400	U
127-18-4	Tetrachloroethene	11000	D
79-34-5	1,1,2,2-Tetrachloroethane	1400	U
108-88-3	Toluene	1400	U
108-90-7	Chlorobenzene	1400	U
100-41-4	Ethylbenzene	1400	U
100-42-5	Styrene	1400	U
1330-20-7	Xylene (total)	1400	U
108-05-4	Vinyl Acetate	1400	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GP20-2DL

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: 3070403

Sample wt/vol: 4.0 (g/mL) G Lab File ID: P5548.D

Level: (low/med) MED Date Received: 03/05/97

% Moisture: not dec. 13 Data Analyzed: 03/12/97

Column: (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN HYDROCARBON	17.891	1100	JD
2.	UNKNOWN SILOXANE	20.679	1100	JD
3.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP2GW

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: 3070406

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5475.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. _____ Data Analyzed: 03/07/97

Column: (pack/cap) CAP Dilution Factor: 1.0

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	14	
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	3	J
540-59-0	1,2-Dichloroethene (total)	320	
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	2	J
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	1	J
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
108-05-4	Vinyl Acetate	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GP2GW

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: 3U70406

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5475.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. _____ Data Analyzed: 03/07/97

Column: (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP2GWDL

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: 3070406

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5485.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. _____ Data Analyzed: 03/08/97

Column: (pack/cap) CAP Dilution Factor: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	50	U
74-83-9	Bromomethane	50	U
75-01-4	Vinyl Chloride	22	JD
75-00-3	Chloroethane	50	U
75-09-2	Methylene Chloride	11	JD
67-64-1	Acetone	50	U
75-15-0	Carbon Disulfide	50	U
75-35-4	1,1-Dichloroethene	50	U
75-34-3	1,1-Dichloroethane	50	U
540-59-0	1,2-Dichloroethene (total)	660	D
67-66-3	Chloroform	50	U
107-06-2	1,2-Dichloroethane	50	U
78-93-3	2-Butanone	50	U
71-55-6	1,1,1-Trichloroethane	50	U
56-23-5	Carbon Tetrachloride	50	U
75-27-4	Bromodichloromethane	50	U
78-87-5	1,2-Dichloropropane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
79-01-6	Trichloroethene	50	U
124-48-1	Dibromochloromethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U
71-43-2	Benzene	50	U
10061-02-6	trans-1,3-Dichloropropene	50	U
75-25-2	Bromoform	50	U
108-10-1	4-Methyl-2-Pentanone	50	U
591-78-6	2-Hexanone	50	U
127-18-4	Tetrachloroethene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-88-3	Toluene	50	U
108-90-7	Chlorobenzene	50	U
100-41-4	Ethylbenzene	50	U
100-42-5	Styrene	50	U
1330-20-7	Xylene (total)	50	U
108-05-4	Vinyl Acetate	50	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GP2GWDL

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: 3070406

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5485.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. _____ Data Analyzed: 03/08/97

Column: (pack/cap) CAP Dilution Factor: 5.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP4GW

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: 3070405

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5474.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. _____ Data Analyzed: 03/07/97

Column: (pack/cap) CAP Dilution Factor: 1.0

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	430	E
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	12	B
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	4	J
75-34-3	1,1-Dichloroethane	4	J
540-59-0	1,2-Dichloroethene (total)	3000	E
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	220	E
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	67	
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
108-05-4	Vinyl Acetate	10	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

GP4GW

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: 3070405

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5474.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. _____ Data Analyzed: 03/07/97

Column: (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN HYDROCARBON	25.903	7	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP4GWDL

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: 3070405

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5486.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. _____ Data Analyzed: 03/08/97

Column: (pack/cap) CAP Dilution Factor: 50.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	500	U
74-83-9	Bromomethane	500	U
75-01-4	Vinyl Chloride	440	JD
75-00-3	Chloroethane	500	U
75-09-2	Methylene Chloride	500	U
67-64-1	Acetone	500	U
75-15-0	Carbon Disulfide	500	U
75-35-4	1,1-Dichloroethene	500	U
75-34-3	1,1-Dichloroethane	500	U
540-59-0	1,2-Dichloroethene (total)	5500	D
67-66-3	Chloroform	500	U
107-06-2	1,2-Dichloroethane	500	U
78-93-3	2-Butanone	500	U
71-55-6	1,1,1-Trichloroethane	500	U
56-23-5	Carbon Tetrachloride	500	U
75-27-4	Bromodichloromethane	500	U
78-87-5	1,2-Dichloropropane	500	U
10061-01-5	cis-1,3-Dichloropropene	500	U
79-01-6	Trichloroethene	300	JD
124-48-1	Dibromochloromethane	500	U
79-00-5	1,1,2-Trichloroethane	500	U
71-43-2	Benzene	500	U
10061-02-6	trans-1,3-Dichloropropene	500	U
75-25-2	Bromoform	500	U
108-10-1	4-Methyl-2-Pentanone	500	U
591-78-6	2-Hexanone	500	U
127-18-4	Tetrachloroethene	100	JD
79-34-5	1,1,2,2-Tetrachloroethane	500	U
108-88-3	Toluene	500	U
108-90-7	Chlorobenzene	500	U
100-41-4	Ethylbenzene	500	U
100-42-5	Styrene	500	U
1330-20-7	Xylene (total)	500	U
108-05-4	Vinyl Acetate	500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GP4GWDL

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: 3070405

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5486.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. _____ Data Analyzed: 03/08/97

Column: (pack/cap) CAP Dilution Factor: 50.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	20.709	490	JD
2.				
3.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-1-67

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: 3070401

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M5112.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 25 Data Analyzed: 03/07/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	13	U
74-83-9	Bromomethane	13	U
75-01-4	Vinyl Chloride	140	
75-00-3	Chloroethane	13	U
75-09-2	Methylene Chloride	4	JB
67-64-1	Acetone	20	
75-15-0	Carbon Disulfide	13	U
75-35-4	1,1-Dichloroethene	13	U
75-34-3	1,1-Dichloroethane	13	U
540-59-0	1,2-Dichloroethene (total)	1400	E
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	9	J
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon Tetrachloride	13	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	13	U
124-48-1	Dibromochloromethane	13	U
79-00-5	1,1,2-Trichloroethane	13	U
71-43-2	Benzene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
108-88-3	Toluene	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
100-42-5	Styrene	13	U
1330-20-7	Xylene (total)	13	U
108-05-4	Vinyl Acetate	13	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S-1-67

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: 3070401

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M5112.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 25 Data Analyzed: 03/07/97

Column: (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-1-67DL

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: 3070401

Sample wt/vol: 4.0 (g/mL) G Lab File ID: P5523.D

Level: (low/med) MED Date Received: 03/05/97

% Moisture: not dec. 25 Data Analyzed: 03/11/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1600	U
74-83-9	Bromomethane	1600	U
75-01-4	Vinyl Chloride	1600	U
75-00-3	Chloroethane	1600	U
75-09-2	Methylene Chloride	530	JBD
67-64-1	Acetone	1900	D
75-15-0	Carbon Disulfide	1600	U
75-35-4	1,1-Dichloroethene	1600	U
75-34-3	1,1-Dichloroethane	1600	U
540-59-0	1,2-Dichloroethene (total)	9500	D
67-66-3	Chloroform	1600	U
107-06-2	1,2-Dichloroethane	1600	U
78-93-3	2-Butanone	1600	U
71-55-6	1,1,1-Trichloroethane	1600	U
56-23-5	Carbon Tetrachloride	1600	U
75-27-4	Bromodichloromethane	1600	U
78-87-5	1,2-Dichloropropane	1600	U
10061-01-5	cis-1,3-Dichloropropene	1600	U
79-01-6	Trichloroethene	1600	U
124-48-1	Dibromochloromethane	1600	U
79-00-5	1,1,2-Trichloroethane	1600	U
71-43-2	Benzene	1600	U
10061-02-6	trans-1,3-Dichloropropene	1600	U
75-25-2	Bromoform	1600	U
108-10-1	4-Methyl-2-Pentanone	1600	U
591-78-6	2-Hexanone	1600	U
127-18-4	Tetrachloroethene	1600	U
79-34-5	1,1,2,2-Tetrachloroethane	1600	U
108-88-3	Toluene	1600	U
108-90-7	Chlorobenzene	1600	U
100-41-4	Ethylbenzene	1600	U
100-42-5	Styrene	1600	U
1330-20-7	Xylene (total)	1600	U
108-05-4	Vinyl Acetate	1600	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S-1-67DL

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: 3070401

Sample wt/vol: 4.0 (g/mL) G Lab File ID: P5523.D

Level: (low/med) MED Date Received: 03/05/97

% Moisture: not dec. 25 Data Analyzed: 03/11/97

Column: (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-20-2

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: 3070402

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M5113.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 15 Data Analyzed: 03/07/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	4	JB
67-64-1	Acetone	3	J
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (total)	35	
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	20	
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	140	
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (total)	12	U
108-05-4	Vinyl Acetate	12	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S-20-2

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: 3070402

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M5113.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 15 Data Analyzed: 03/07/97

Column: (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.764	33	J
2.				
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP1GW

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: 3070404

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5395.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 0 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/08/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP1GW

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: 3070404

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5395.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 0 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/08/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	1	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	2	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
100-51-6	Benzyl Alcohol	10	U
65-85-0	Benzoic Acid	50	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP1GW

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: 3070404

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5395.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 0 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/08/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP20-2

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: 3070403

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5403.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 13 dec. Date Extracted: 03/06/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/08/97

GPC Cleanup: (Y/N) N Dilution Factor: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1900	U
111-44-4	bis(2-Chloroethyl)Ether	1900	U
95-57-8	2-Chlorophenol	1900	U
541-73-1	1,3-Dichlorobenzene	1900	U
106-46-7	1,4-Dichlorobenzene	1900	U
95-50-1	1,2-Dichlorobenzene	1900	U
95-48-7	2-Methylphenol	1900	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1900	U
106-44-5	4-Methylphenol	1900	U
621-64-7	N-Nitroso-di-n-propylamine	1900	U
67-72-1	Hexachloroethane	1900	U
98-95-3	Nitrobenzene	1900	U
78-59-1	Isophorone	1900	U
88-75-5	2-Nitrophenol	1900	U
105-67-9	2,4-Dimethylphenol	1900	U
120-83-2	2,4-Dichlorophenol	1900	U
120-82-1	1,2,4-Trichlorobenzene	1900	U
91-20-3	Naphthalene	1900	U
106-47-8	4-Chloroaniline	1900	U
87-68-3	Hexachlorobutadiene	1900	U
111-91-1	bis(2-Chloroethoxy)methane	1900	U
59-50-7	4-Chloro-3-Methylphenol	1900	U
91-57-6	2-Methylnaphthalene	1900	U
77-47-4	Hexachlorocyclopentadiene	1900	U
88-06-2	2,4,6-Trichlorophenol	1900	U
95-95-4	2,4,5-Trichlorophenol	9600	U
91-58-7	2-Chloronaphthalene	1900	U
88-74-4	2-Nitroaniline	9600	U
131-11-3	Dimethylphthalate	1900	U
208-96-8	Acenaphthylene	240	J
606-20-2	2,6-Dinitrotoluene	1900	U
99-09-2	3-Nitroaniline	9600	U
83-32-9	Acenaphthene	340	J

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP20-2

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: 3070403

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5403.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 13 dec. Date Extracted:03/06/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/08/97

GPC Cleanup: (Y/N) N Dilution Factor: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	9600	U
100-02-7	4-Nitrophenol	9600	U
132-64-9	Dibenzofuran	210	J
121-14-2	2,4-Dinitrotoluene	1900	U
84-66-2	Diethylphthalate	1900	U
7005-72-3	4-Chlorophenyl-phenylether	1900	U
86-73-7	Fluorene	320	J
100-01-6	4-Nitroaniline	9600	U
534-52-1	4,6-Dinitro-2-methylphenol	9600	U
86-30-6	N-Nitrosodiphenylamine (1)	1900	U
101-55-3	4-Bromophenyl-phenylether	1900	U
118-74-1	Hexachlorobenzene	1900	U
87-86-5	Pentachlorophenol	9600	U
85-01-8	Phenanthrene	5100	
120-12-7	Anthracene	1000	J
84-74-2	Di-n-butylphthalate	1900	U
206-44-0	Fluoranthene	8200	
129-00-0	Pyrene	7000	
85-68-7	Butylbenzylphthalate	1900	U
91-94-1	3,3'-Dichlorobenzidine	3800	U
56-55-3	Benzo(a)anthracene	3600	
218-01-9	Chrysene	3800	
117-81-7	bis(2-Ethylhexyl)phthalate	200	J
117-84-0	Di-n-octylphthalate	1900	U
205-99-2	Benzo(b)fluoranthene	2500	
207-08-9	Benzo(k)fluoranthene	3600	
50-32-8	Benzo(a)pyrene	3600	
193-39-5	Indeno(1,2,3-cd)pyrene	2400	
53-70-3	Dibenz(a,h)anthracene	200	J
191-24-2	Benzo(g,h,i)perylene	2700	
100-51-6	Benzyl Alcohol	1900	U
65-85-0	Benzoic Acid	9600	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP20-2

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: 3070403

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5403.D

Level: (low/med) LCW Date Received: 03/05/97

% Moisture: not dec. 13 dec. Date Extracted: 03/06/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/08/97

GPC Cleanup: (Y/N) N Dilution Factor: 5.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALDOL	3.180	20000	AJ
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP20-2RE

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: 3070403

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5419.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 13 dec. Date Extracted: 03/06/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1900	U
111-44-4	bis(2-Chloroethyl)Ether	1900	U
95-57-8	2-Chlorophenol	1900	U
541-73-1	1,3-Dichlorobenzene	1900	U
106-46-7	1,4-Dichlorobenzene	1900	U
95-50-1	1,2-Dichlorobenzene	1900	U
95-48-7	2-Methylphenol	1900	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1900	U
106-44-5	4-Methylphenol	1900	U
621-64-7	N-Nitroso-di-n-propylamine	1900	U
67-72-1	Hexachloroethane	1900	U
98-95-3	Nitrobenzene	1900	U
78-59-1	Isophorone	1900	U
88-75-5	2-Nitrophenol	1900	U
105-67-9	2,4-Dimethylphenol	1900	U
120-83-2	2,4-Dichlorophenol	1900	U
120-82-1	1,2,4-Trichlorobenzene	1900	U
91-20-3	Naphthalene	1900	U
106-47-8	4-Chloroaniline	1900	U
87-68-3	Hexachlorobutadiene	1900	U
111-91-1	bis(2-Chloroethoxy)methane	1900	U
59-50-7	4-Chloro-3-Methylphenol	1900	U
91-57-6	2-Methylnaphthalene	1900	U
77-47-4	Hexachlorocyclopentadiene	1900	U
88-06-2	2,4,6-Trichlorophenol	1900	U
95-95-4	2,4,5-Trichlorophenol	9600	U
91-58-7	2-Chloronaphthalene	1900	U
88-74-4	2-Nitroaniline	9600	U
131-11-3	Dimethylphthalate	1900	U
208-96-8	Acenaphthylene	240	J
606-20-2	2,6-Dinitrotoluene	1900	U
99-09-2	3-Nitroaniline	9600	U
83-32-9	Acenaphthene	350	J

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP20-2RE

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: 3070403

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5419.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 13 dec. Date Extracted: 03/06/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	9600	U
100-02-7	4-Nitrophenol	9600	U
132-64-9	Dibenzofuran	210	J
121-14-2	2,4-Dinitrotoluene	1900	U
84-66-2	Diethylphthalate	1900	U
7005-72-3	4-Chlorophenyl-phenylether	1900	U
86-73-7	Fluorene	340	J
100-01-6	4-Nitroaniline	9600	U
534-52-1	4,6-Dinitro-2-methylphenol	9600	U
86-30-6	N-Nitrosodiphenylamine (1)	1900	U
101-55-3	4-Bromophenyl-phenylether	1900	U
118-74-1	Hexachlorobenzene	1900	U
87-86-5	Pentachlorophenol	9600	U
85-01-8	Phenanthrene	5300	
120-12-7	Anthracene	1100	J
84-74-2	Di-n-butylphthalate	1900	U
206-44-0	Fluoranthene	9500	
129-00-0	Pyrene	6200	
85-68-7	Butylbenzylphthalate	1900	U
91-94-1	3,3'-Dichlorobenzidine	3800	U
56-55-3	Benzo(a)anthracene	3400	
218-01-9	Chrysene	3800	
117-81-7	bis(2-Ethylhexyl)phthalate	200	J
117-84-0	Di-n-octylphthalate	1900	U
205-99-2	Benzo(b)fluoranthene	2900	
207-08-9	Benzo(k)fluoranthene	3100	
50-32-8	Benzo(a)pyrene	3600	
193-39-5	Indeno(1,2,3-cd)pyrene	2200	
53-70-3	Dibenz(a,h)anthracene	1900	U
191-24-2	Benzo(g,h,i)perylene	2400	
100-51-6	Benzyl Alcohol	1900	U
65-85-0	Benzoic Acid	9600	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP20-2RE

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: 3070403

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5419.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 13 dec. Date Extracted:03/06/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 5.0

Number TICs found: 9

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN HYDROCARBON	3.056	520	J
2.	UNKNOWN ALDOL	3.179	31000	AJ
3.	UNKNOWN	3.670	1700	J
4.	UNKNOWN AROMATIC	12.795	770	J
5.	UNKNOWN AROMATIC	15.164	410	J
6.	UNKNOWN AROMATIC	16.515	490	J
7.	UNKNOWN AROMATIC	19.445	790	J
8.	UNKNOWN AROMATIC	19.884	1800	J
9.	UNKNOWN AROMATIC	24.113	410	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP2GW

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: 3070406

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5397.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 0 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/08/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	1	J
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP2GW

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: 3070406

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5397.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 0 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/08/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
100-51-6	Benzyl Alcohol	10	U
65-85-0	Benzoic Acid	50	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP2GW

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: 3070406

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5397.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 0 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/08/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

Number TICs found: 1

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN AROMATIC HYDROCARBON	3.179	58	J
2.				
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP4GW

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: 3070405

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5414.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 0 dec. Date Extracted:03/07/97

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP4GW

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: 3070405

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5414.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 0 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
100-51-6	Benzyl Alcohol	10	U
65-85-0	Benzoic Acid	50	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP4GW

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: 3070405

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5414.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 0 dec. Date Extracted:03/07/97

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.179	75	J
2.	UNKNOWN	3.671	3	J
3.	UNKNOWN AROMATIC	12.673	2	J
4.	UNKNOWN	14.357	3	J
5.	UNKNOWN	15.796	3	J
6.	UNKNOWN	16.586	5	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-1-67

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: 3070401

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5417.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 25 dec. Date Extracted:03/06/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)Ether	440	U
95-57-8	2-Chlorophenol	440	U
541-73-1	1,3-Dichlorobenzene	440	U
106-46-7	1,4-Dichlorobenzene	440	U
95-50-1	1,2-Dichlorobenzene	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-di-n-propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
120-83-2	2,4-Dichlorophenol	440	U
120-82-1	1,2,4-Trichlorobenzene	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
111-91-1	bis(2-Chloroethoxy)methane	440	U
59-50-7	4-Chloro-3-Methylphenol	440	U
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	2200	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	2200	U
131-11-3	Dimethylphthalate	440	U
208-96-8	Acenaphthylene	440	U
606-20-2	2,6-Dinitrotoluene	440	U
99-09-2	3-Nitroaniline	2200	U
83-32-9	Acenaphthene	440	U

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-1-67

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: 3070401

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5417.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 25 dec. Date Extracted: 03/06/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2200	U
100-02-7	4-Nitrophenol	2200	U
132-64-9	Dibenzofuran	440	U
121-14-2	2,4-Dinitrotoluene	440	U
84-66-2	Diethylphthalate	790	
7005-72-3	4-Chlorophenyl-phenylether	440	U
86-73-7	Fluorene	440	U
100-01-6	4-Nitroaniline	2200	U
534-52-1	4,6-Dinitro-2-methylphenol	2200	U
86-30-6	N-Nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenyl-phenylether	440	U
118-74-1	Hexachlorobenzene	440	U
87-86-5	Pentachlorophenol	2200	U
85-01-8	Phenanthrene	440	U
120-12-7	Anthracene	440	U
84-74-2	Di-n-butylphthalate	440	U
206-44-0	Fluoranthene	60	J
129-00-0	Pyrene	440	U
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	890	U
56-55-3	Benzo(a)anthracene	440	U
218-01-9	Chrysene	440	U
117-81-7	bis(2-Ethylhexyl)phthalate	68	J
117-84-0	Di-n-octylphthalate	440	U
205-99-2	Benzo(b)fluoranthene	440	U
207-08-9	Benzo(k)fluoranthene	440	U
50-32-8	Benzo(a)pyrene	440	U
193-39-5	Indeno(1,2,3-cd)pyrene	440	U
53-70-3	Dibenz(a,h)anthracene	440	U
191-24-2	Benzo(g,h,i)perylene	440	U
100-51-6	Benzyl Alcohol	440	U
65-85-0	Benzoic Acid	50	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-1-67

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: 3070401

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5417.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 25 dec. Date Extracted:03/06/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

Number TICs found: 15

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.021	560	J
2.	UNKNOWN ALDOL	3.197	12000	AJ
3.	UNKNOWN	3.284	110	J
4.	UNKNOWN	3.670	1400	J
5.	UNKNOWN	3.951	160	J
6.	UNKNOWN	4.127	200	J
7.	UNKNOWN	9.093	130	J
8.	UNKNOWN AROMATIC	16.568	360	J
9.	UNKNOWN AROMATIC	16.656	200	J
10.	UNKNOWN	17.866	170	J
11.	UNKNOWN	18.761	590	J
12.	UNKNOWN HYDROCARBON	19.130	180	J
13.	UNKNOWN HYDROCARBON	19.253	490	J
14.	UNKNOWN	20.446	210	J
15.	UNKNOWN HYDROCARBON	20.902	170	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-20-2

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: 3070402

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5418.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 15 dec. Date Extracted: 03/06/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	780	U
111-44-4	bis(2-Chloroethyl)Ether	780	U
95-57-8	2-Chlorophenol	780	U
541-73-1	1,3-Dichlorobenzene	780	U
106-46-7	1,4-Dichlorobenzene	780	U
95-50-1	1,2-Dichlorobenzene	780	U
95-48-7	2-Methylphenol	780	U
108-60-1	2,2'-oxybis(1-Chloropropane)	780	U
106-44-5	4-Methylphenol	780	U
621-64-7	N-Nitroso-di-n-propylamine	780	U
67-72-1	Hexachloroethane	780	U
98-95-3	Nitrobenzene	780	U
78-59-1	Isophorone	780	U
88-75-5	2-Nitrophenol	780	U
105-67-9	2,4-Dimethylphenol	780	U
120-83-2	2,4-Dichlorophenol	780	U
120-82-1	1,2,4-Trichlorobenzene	780	U
91-20-3	Naphthalene	100	J
106-47-8	4-Chloroaniline	780	U
87-68-3	Hexachlorobutadiene	780	U
111-91-1	bis(2-Chloroethoxy)methane	780	U
59-50-7	4-Chloro-3-Methylphenol	780	U
91-57-6	2-Methylnaphthalene	79	J
77-47-4	Hexachlorocyclopentadiene	780	U
88-06-2	2,4,6-Trichlorophenol	780	U
95-95-4	2,4,5-Trichlorophenol	3900	U
91-58-7	2-Chloronaphthalene	780	U
88-74-4	2-Nitroaniline	3900	U
131-11-3	Dimethylphthalate	780	U
208-96-8	Acenaphthylene	780	U
606-20-2	2,6-Dinitrotoluene	780	U
99-09-2	3-Nitroaniline	3900	U
83-32-9	Acenaphthene	280	J

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-20-2

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: 3070402

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5418.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 15 dec. Date Extracted: 03/06/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	3900	U
100-02-7	4-Nitrophenol	3900	U
132-64-9	Dibenzofuran	200	J
121-14-2	2,4-Dinitrotoluene	780	U
84-66-2	Diethylphthalate	130	J
7005-72-3	4-Chlorophenyl-phenylether	780	U
86-73-7	Fluorene	310	J
100-01-6	4-Nitroaniline	3900	U
534-52-1	4,6-Dinitro-2-methylphenol	3900	U
86-30-6	N-Nitrosodiphenylamine (1)	780	U
101-55-3	4-Bromophenyl-phenylether	780	U
118-74-1	Hexachlorobenzene	780	U
87-86-5	Pentachlorophenol	3900	U
85-01-8	Phenanthrene	2400	
120-12-7	Anthracene	610	J
84-74-2	Di-n-butylphthalate	780	U
206-44-0	Fluoranthene	2200	
129-00-0	Pyrene	1400	
85-68-7	Butylbenzylphthalate	780	U
91-94-1	3,3'-Dichlorobenzidine	1600	U
56-55-3	Benzo(a)anthracene	760	J
218-01-9	Chrysene	770	J
117-81-7	bis(2-Ethylhexyl)phthalate	670	J
117-84-0	Di-n-octylphthalate	780	U
205-99-2	Benzo(b)fluoranthene	560	J
207-08-9	Benzo(k)fluoranthene	470	J
50-32-8	Benzo(a)pyrene	620	J
193-39-5	Indeno(1,2,3-cd)pyrene	310	J
53-70-3	Dibenz(a,h)anthracene	780	U
191-24-2	Benzo(g,h,i)perylene	330	J
100-51-6	Benzyl Alcohol	780	U
65-85-0	Benzoic Acid	3900	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-20-2

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: 3070402

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5418.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 15 dec. Date Extracted: 03/06/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 2.0

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.094	500	J
2.	UNKNOWN ALDOL	3.199	16000	AJ
3.	UNKNOWN	3.673	1700	J
4.	UNKNOWN	4.129	250	J
5.	UNKNOWN AROMATIC	10.692	180	J
6.	UNKNOWN AROMATIC	12.798	260	J
7.	UNKNOWN AROMATIC	15.167	160	J
8.	UNKNOWN AROMATIC	19.869	300	J
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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S-20-2

Lab Name: NYTEST_ENV_INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix (soil/water): SOIL Lab Sample ID: 070402

Level (low/med): LOW Date Received: 03/05/97

% Solids: 84.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9180			P
7440-36-0	Antimony	1.1	B	N	P
7440-38-2	Arsenic	2.9		*	P
7440-39-3	Barium	38.2		E*	P
7440-41-7	Beryllium	0.38	B		P
7440-43-9	Cadmium	0.04	U		P
7440-70-2	Calcium	1470		E*	P
7440-47-3	Chromium	14.9		E*	P
7440-48-4	Cobalt	7.1		E	P
7440-50-8	Copper	13.4		N*	P
7439-89-6	Iron	15100		E*	P
7439-92-1	Lead	36.7		EN*	P
7439-95-4	Magnesium	1560		E*	P
7439-96-5	Manganese	188		EN*	P
7439-97-6	Mercury	0.89			CV
7440-02-0	Nickel	10.0		*	P
7440-09-7	Potassium	634		*	P
7782-49-2	Selenium	0.72		*	P
7440-22-4	Silver	0.22	U		P
7440-23-5	Sodium	235	B		P
7440-28-0	Thallium	0.57	U		P
7440-62-2	Vanadium	20.4		E*	P
7440-66-6	Zinc	32.4		EN*	P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S-1-67

Lab Name: NYTEST_ENV_INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix (soil/water): SOIL Lab Sample ID: 070401

Level (low/med): LOW Date Received: 03/05/97

% Solids: 74.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14300			P
7440-36-0	Antimony	2.5	B	N	P
7440-38-2	Arsenic	7.5		*	P
7440-39-3	Barium	80.5		E*	P
7440-41-7	Beryllium	0.68			P
7440-43-9	Cadmium	0.31	B		P
7440-70-2	Calcium	11400		E*	P
7440-47-3	Chromium	24.1		E*	P
7440-48-4	Cobalt	9.8		E	P
7440-50-8	Copper	34.8		N*	P
7439-89-6	Iron	22900		E*	P
7439-92-1	Lead	69.4		EN*	P
7439-95-4	Magnesium	2630		E*	P
7439-96-5	Manganese	384		EN*	P
7439-97-6	Mercury	0.73			CV
7440-02-0	Nickel	18.5		*	P
7440-09-7	Potassium	1740		*	P
7782-49-2	Selenium	0.52	U	*	P
7440-22-4	Silver	0.25	U		P
7440-23-5	Sodium	612	B		P
7440-28-0	Thallium	0.66	U		P
7440-62-2	Vanadium	35.8		E*	P
7440-66-6	Zinc	73.4		EN*	P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP4GW

Lab Name: NYTEST_ENV_INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix (soil/water): WATER Lab Sample ID: D070405

Level (low/med): LOW Date Received: 03/05/97

% 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	125	B		P
7440-36-0	Antimony	4.9	U		P
7440-38-2	Arsenic	4.1	U		P
7440-39-3	Barium	243			P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.48	B		P
7440-70-2	Calcium	183000			P
7440-47-3	Chromium	1.3	U		P
7440-48-4	Cobalt	4.1	B		P
7440-50-8	Copper	4.6	B		P
7439-89-6	Iron	4120		*	P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	51900			P
7439-96-5	Manganese	852			P
7439-97-6	Mercury	0.09	U		CV
7440-02-0	Nickel	14.2	B		P
7440-09-7	Potassium	9440		E	P
7782-49-2	Selenium	4.1	U		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	129000			P
7440-28-0	Thallium	5.2	U		P
7440-62-2	Vanadium	1.8	U		P
7440-66-6	Zinc	37.9			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

DISSOLVED

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP4GW

Lab Name: NYTEST_ENV_INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704_ SAS No.: _____ SDG No.: 30704_

Matrix (soil/water): WATER Lab Sample ID: 070405

Level (low/med): LOW Date Received: 03/05/97

% 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	203000			P
7440-36-0	Antimony	40.2	B		P
7440-38-2	Arsenic	99.0			P
7440-39-3	Barium	2590			P
7440-41-7	Beryllium	21.2			P
7440-43-9	Cadmium	5.4			P
7440-70-2	Calcium	181000			P
7440-47-3	Chromium	647			P
7440-48-4	Cobalt	363			P
7440-50-8	Copper	741			P
7439-89-6	Iron	1190000		*	P
7439-92-1	Lead	250			P
7439-95-4	Magnesium	128000			P
7439-96-5	Manganese	24600			P
7439-97-6	Mercury	0.53			CV
7440-02-0	Nickel	547			P
7440-09-7	Potassium	66300		E	P
7782-49-2	Selenium	4.1	U		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	88000			P
7440-28-0	Thallium	5.2	U		P
7440-62-2	Vanadium	1000			P
7440-66-6	Zinc	1240			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

TOTAL IRON ANALYZED AT 10X DILUTION

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP20-2

Lab Name: NYTEST_ENV_INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix (soil/water): SOIL Lab Sample ID: 070403

Level (low/med): LOW Date Received: 03/05/97

% Solids: 86.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5490			P
7440-36-0	Antimony	2.3	B	N	P
7440-38-2	Arsenic	7.6		*	P
7440-39-3	Barium	168		E*	P
7440-41-7	Beryllium	0.34	B		P
7440-43-9	Cadmium	0.67			P
7440-70-2	Calcium	6920		E*	P
7440-47-3	Chromium	13.9		E*	P
7440-48-4	Cobalt	6.3		E	P
7440-50-8	Copper	329		N*	P
7439-89-6	Iron	19600		E*	P
7439-92-1	Lead	524		EN*	P
7439-95-4	Magnesium	1430		E*	P
7439-96-5	Manganese	381		EN*	P
7439-97-6	Mercury	1.7			CV
7440-02-0	Nickel	13.1		*	P
7440-09-7	Potassium	1010		*	P
7782-49-2	Selenium	1.3		*	P
7440-22-4	Silver	0.28	B		P
7440-23-5	Sodium	485	B		P
7440-28-0	Thallium	0.59	U		P
7440-62-2	Vanadium	21.0		E*	P
7440-66-6	Zinc	384		EN*	P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP2GW

Lab Name: NYTEST_ENV_INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix (soil/water): WATER Lab Sample ID: D070406

Level (low/med): LOW Date Received: 03/05/97

% 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	431			P
7440-36-0	Antimony	4.9	U		P
7440-38-2	Arsenic	4.1	U		P
7440-39-3	Barium	263			P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.46	B		P
7440-70-2	Calcium	195000			P
7440-47-3	Chromium	1.3	U		P
7440-48-4	Cobalt	20.1	B		P
7440-50-8	Copper	2.9	B		P
7439-89-6	Iron	155		*	P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	48900			P
7439-96-5	Manganese	7420			P
7439-97-6	Mercury	0.09	U		CV
7440-02-0	Nickel	24.2	B		P
7440-09-7	Potassium	22800		E	P
7782-49-2	Selenium	4.1	U		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	92500			P
7440-28-0	Thallium	14.8			P
7440-62-2	Vanadium	1.8	U		P
7440-66-6	Zinc	68.4			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:
DISSOLVED

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP2GW

Lab Name: NYTEST_ENV_INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix (soil/water): WATER Lab Sample ID: 070406

Level (low/med): LOW Date Received: 03/05/97

% 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	385000			P
7440-36-0	Antimony	37.0	B		P
7440-38-2	Arsenic	113			P
7440-39-3	Barium	3620			P
7440-41-7	Beryllium	21.2			P
7440-43-9	Cadmium	6.2			P
7440-70-2	Calcium	212000			P
7440-47-3	Chromium	667			P
7440-48-4	Cobalt	558			P
7440-50-8	Copper	1080			P
7439-89-6	Iron	1260000		*	P
7439-92-1	Lead	298			P
7439-95-4	Magnesium	158000			P
7439-96-5	Manganese	47300			P
7439-97-6	Mercury	0.67			CV
7440-02-0	Nickel	862			P
7440-09-7	Potassium	92500		E	P
7782-49-2	Selenium	4.1	U		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	95000			P
7440-28-0	Thallium	42.3			P
7440-62-2	Vanadium	916			P
7440-66-6	Zinc	1130			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

TOTAL IRON ANALYZED AT 10X DILUTION

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP1GW

Lab Name: NYTEST_ENV_INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix (soil/water): WATER Lab Sample ID: D070404

Level (low/med): LOW Date Received: 03/05/97

% 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	268			P
7440-36-0	Antimony	4.9	U		P
7440-38-2	Arsenic	4.1	U		P
7440-39-3	Barium	209			P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.91	B		P
7440-70-2	Calcium	136000			P
7440-47-3	Chromium	1.3	U		P
7440-48-4	Cobalt	11.8	B		P
7440-50-8	Copper	4.0	B		P
7439-89-6	Iron	480		*	P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	24400			P
7439-96-5	Manganese	7830			P
7439-97-6	Mercury	0.09	U		CV
7440-02-0	Nickel	43.5			P
7440-09-7	Potassium	21200		E	P
7782-49-2	Selenium	4.1	U		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	98300			P
7440-28-0	Thallium	9.3	B		P
7440-62-2	Vanadium	1.8	U		P
7440-66-6	Zinc	45.1			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:
DISSOLVED

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP1GW

Lab Name: NYTEST_ENV_INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704_ SAS No.: _____ SDG No.: 30704_

Matrix (soil/water): WATER Lab Sample ID: 070404

Level (low/med): LOW Date Received: 03/05/97

% 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	381000			P
7440-36-0	Antimony	46.4	B		P
7440-38-2	Arsenic	104			P
7440-39-3	Barium	2460			P
7440-41-7	Beryllium	18.3			P
7440-43-9	Cadmium	12.3			P
7440-70-2	Calcium	162000			P
7440-47-3	Chromium	1780			P
7440-48-4	Cobalt	392			P
7440-50-8	Copper	1340			P
7439-89-6	Iron	1490000		*	P
7439-92-1	Lead	366			P
7439-95-4	Magnesium	135000			P
7439-96-5	Manganese	26000			P
7439-97-6	Mercury	2.1			CV
7440-02-0	Nickel	1160			P
7440-09-7	Potassium	97200		E	P
7782-49-2	Selenium	4.1	U		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	99100			P
7440-28-0	Thallium	5.2	U		P
7440-62-2	Vanadium	1070			P
7440-66-6	Zinc	4300			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

TOTAL IRON ANALYZED AT 10X DILUTION

FORM II

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKP16	99	103	96		0
02	MSB	99	102	98		0
03	GP1GW	99	102	96		0
04	GP4GW	101	101	98		0
05	GP2GW	101	103	98		0
06	GP2GWMS	101	104	124*		1
07	GP1GWDL	102	104	100		0
08	VBLKP17	100	99	88		0
09	GP2GWMSD	99	100	93		0
10	GP2GWDL	99	100	90		0
11	GP4GWDL	98	98	91		0
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		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 Surrogates diluted out

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKM27	98	101	79		0
02	S-1-67	104	97	84		0
03	S-20-2	105	94	81		0
04	GP20-2	109	89	82		0
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29						
30						

		QC LIMITS
SMC1 (TOL)	= Toluene-d8	(81-117)
SMC2 (BFB)	= Bromofluorobenzene	(74-121)
SMC3 (DCE)	= 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Level:(low/med) MED

	EPA SAMPLE NO.	SMC1 (TOL)#	SMC2 (BFB)#	SMC3 (DCE)#	OTHER	TOT OUT
01	VBLKP20	99	101	97		0
02	MSB1	98	102	99		0
03	S-1-67DL	96	101	97		0
04	S-1-67DLMS	97	100	96		0
05	S-1-67DLMSD	96	101	95		0
06	VBLKP21	100	100	93		0
07	GP20-2DL	99	102	94		0
08						
09						
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29						
30						

		QC LIMITS
SMC1 (TOL)	= Toluene-d8	(81-117)
SMC2 (BFB)	= Bromofluorobenzene	(74-121)
SMC3 (DCE)	= 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

	EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	S7 (2CP)#	S8 (DCB)#	TOT OUT
01	GP1GW	54	65	85	49	30	82	33	33	0
02	GP2GW	69	81	84	53	41	66	36	49	0
03	SBLK06	65	75	64	62	53	83	68	59	0
04	GP4GW	59	67	69	20	33	77	71	59	0
05										
06										
07										
08										
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		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(35-114)	
S2 (FBP)	= 2-Fluorobiphenyl	(43-116)	
S3 (TPH)	= Terphenyl-d14	(33-141)	
S4 (PHL)	= Phenol-d5	(10- 94)	
S5 (2FP)	= 2-Fluorophenol	(21-100)	
S6 (TBP)	= 2,4,6-Tribromophenol	(10-123)	
S7 (2CP)	= 2-Chlorophenol-d4	(33-110)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(16-110)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	GP20-2	59D	72D	68D	87D	61D	62D	45D	41D	0
02	SBLK08	65	78	69	68	83	82	70	63	0
03	S-1-67	50	60	51	42	43	54	60	46	0
04	S-20-2	65D	74D	70D	59D	67D	72D	78D	66D	0
05	GP20-2RE	61D	68D	59D	50D	84D	66D	96D	73D	0
06										
07										
08										
09										
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		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(23-120)	
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)	
S3 (TPH)	= Terphenyl-d14	(18-137)	
S4 (PHL)	= Phenol-d5	(24-113)	
S5 (2FP)	= 2-Fluorophenol	(25-121)	
S6 (TBP)	= 2,4,6-Tribromophenol	(19-122)	
S7 (2CP)	= 2-Chlorophenol-d4	(20-130)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(20-130)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM III

3 A

WATER VOLATILE MATRIX SPIKE BLANK

Lab Name: NYTEST ENV., INC — Contract: 9723092

Lab Code: NYTEST — Case No.: 30704

Matrix Spike Sample No.: MSB — File No.: P5470

COMPOUND	SPIKE ADDED (ug/L)	BLANK CONCENTRATION (ug/L)	MSB CONCENTRATION (ug/L)	MSB % REC	#	QC LIMITS REC.
1,1-Dichloroethene	50	0.0	38.0	76	OK	61 - 145
Trichloroethene	50	0.0	43.0	86	OK	71 - 120
Benzene	50	0.0	42.0	84	OK	76 - 127
Toluene	50	0.0	42.0	84	OK	76 - 125
Chlorobenzene	50	0.0	43.0	86	OK	75 - 130

#Column to be used to flag recovery values with an asterix

*Values outside of QC limits

Spike Recovery: 0 of 5 outside QC limits

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix Spike - EPA Sample No.: GP2GW

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0	35	70	61-145
Trichloroethene	50	2	51	98	71-120
Benzene	50	0	48	96	76-127
Toluene	50	1	51	100	76-125
Chlorobenzene	50	0	49	98	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	62	124	56*	14	61-145
Trichloroethene	50	58	112	13	14	71-120
Benzene	50	56	112	15*	11	76-127
Toluene	50	56	110	10	13	76-125
Chlorobenzene	50	55	110	12	13	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 2 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

3 A

SOIL VOLATILE MATRIX SPIKE BLANK

Lab Name: NYTEST ENV., INC

Contract: 9723092

Lab Code: NYTEST

Case No.: 30704

Matrix Spike Sample No.: MSB

Level(low/med): med

File No.: P5522

COMPOUND	SPIKE ADDED (ug/Kg)	BLANK CONCENTRATION (ug/Kg)	MSB CONCENTRATION (ug/Kg)	MSB % REC	QC LIMITS REC.
1,1-Dichloroethene	6200	0.0	4300.0	69 OK	61 - 145
Trichloroethene	6200	0.0	5900.0	95 OK	71 - 120
Benzene	6200	0.0	5500.0	89 OK	76 - 127
Toluene	6200	0.0	5800.0	94 OK	76 - 125
Chlorobenzene	6200	0.0	6000.0	97 OK	75 - 130

#Column to be used to flag recovery values with an asterix

*Values outside of QC limits

Spike Recovery 0 of 5 outside QC limits

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix Spike - EPA Sample No.: S-1-67DL Level(low/med) MED

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	8300	0	4600	55*	59-172
Trichloroethene	8300	0	6200	75	62-137
Benzene	8300	0	5800	70	66-142
Toluene	8300	0	6100	73	59-139
Chlorobenzene	8300	0	6400	77	60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	8300	5300	64	15	22	59-172
Trichloroethene	8300	7200	87	15	24	62-137
Benzene	8300	6700	81	14	21	66-142
Toluene	8300	7000	84	14	21	59-139
Chlorobenzene	8300	7400	89	14	21	60-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 1 out of 10 outside limits

COMMENTS: _____

3 A

SOIL VOLATILE MATRIX SPIKE BLANK

Lab Name: NYTEST ENV., INC

Contract: 9723092

Lab Code: NYTEST

Case No.: 30704

Matrix Spike Sample No.: MSB

Level(low/med): low

File No.: M5083

COMPOUND	SPIKE ADDED (ug/Kg)	BLANK CONCENTRATION (ug/Kg)	MSB CONCENTRATION (ug/Kg)	MSB % REC	QC LIMITS REC.
1,1-Dichloroethene	50	0.0	48.0	96 OK	61 - 145
Trichloroethene	50	0.0	49.0	98 OK	71 - 120
Benzene	50	0.0	51.0	102 OK	76 - 127
Toluene	50	0.0	50.0	100 OK	76 - 125
Chlorobenzene	50	0.0	52.0	104 OK	75 - 130

#Column to be used to flag recovery values with an asterix

*Values outside of QC limits

Spike Recovery 0 of 5 outside QC limits

Spike Recovery and RPD Summary Report - SOIL

Method : c:\HPCHEM\1\METHODS\SOIL0213.M
Title : VOA Standards for 5 point calibration
Last Update : Mon Mar 10 10:03:59 1997
Response via : Continuing Calibration

Non-Spiked Sample: M5093.D

	Spike Sample	Spike Duplicate Sample
File ID :	M5094.D	M5095.D
Sample :	3071110,W-30.1MS,	3071110,W-30.1MSD,
Acq Time:	6 Mar 97 22:38 pm	6 Mar 97 23:07 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
C045 1,1-Dichloroeth	0.0	50	51	45	101	90	12	22	59-172
C150 Trichloroethene	0.0	50	50	41	100	81	21	24	62-137
C165 Benzene	0.0	50	54	46	108	91	17	21	66-142
C230 Toluene	0.0	50	56	45	111	91	20	21	59-139
C235 Chlorobenzene	0.0	50	55	44	111	88	22#	21	60-133

SOIL0213.M Mon Mar 10 10:10:12 1997 HPM

Spike Recovery and RPD Summary Report - WATER

Method : C:\HPCHEM\1\METHODS\8270S.M
Title : 390/ASP/SW846
Last Update : Fri Mar 07 14:47:17 1997
Response via : Continuing Calibration

Non-Spiked Sample: S7427.D

	Spike Sample	Spike Duplicate Sample
File ID :	S7429.D	S7430.D
Sample :	3059606,C8910MS,	3059607,C8910MSD,
Acq Time:	7 Mar 97 19:22 pm	7 Mar 97 20:02 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Phenol	0.1	75	57	50	76	67	12	42	12-110
2-Chlorophenol	0.0	75	61	51	81	68	17	40	27-123
1,4-Dichlorobenzene	0.0	50	40	35	81	71	14	28	36- 97
N-Nitroso-di-n-propy	0.0	50	31	27	62	54	13	38	41-116
1,2,4-Trichlorobenze	0.0	50	35	31	69	62	11	28	39- 98
4-Chloro-3-Methylphe	0.5	75	58	57	76	76	1	42	23- 97
Acenaphthene	0.0	50	44	38	88	77	13	31	46-118
4-Nitrophenol	0.3	75	56	53	74	71	5	50	10- 80
2,4-Dinitrotoluene	0.0	50	51	49	102#	97#	5	38	24- 96
Pentachlorophenol	0.1	75	63	65	84	86	3	50	9-103
Pyrene	0.2	50	44	43	87	85	2	31	26-127

8270S.M Wed Mar 12 17:12:20 1997 HPPC

Spike Recovery and RPD Summary Report - WATER

Method : C:\HPCHEM\1\METHODS\8270S.M
Title : 390/ASP/SW846
Last Update : Fri Mar 07 14:47:17 1997
Response via : Continuing Calibration

Non-Spiked Sample: S7423.D

	Spike Sample	Spike Duplicate Sample
File ID :	S7438.D	S7438.D
Sample :	30596QC, QC, MSB	30596QC, QC, MSB
Acq Time:	8 Mar 97 1:17 am	8 Mar 97 1:17 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Phenol	0.0	75	34	34	45	45	0	42	12-110
2-Chlorophenol	0.0	75	39	39	52	52	0	40	27-123
1,4-Dichlorobenzene	0.0	50	33	33	66	66	0	28	36- 97
N-Nitroso-di-n-propy	0.0	50	29	29	57	57	0	38	41-116
1,2,4-Trichlorobenze	0.0	50	32	32	64	64	0	28	39- 98
4-Chloro-3-Methylphe	0.0	75	37	37	49	49	0	42	23- 97
Acenaphthene	0.0	50	42	42	84	84	0	31	46-118
4-Nitrophenol	0.0	75	31	31	42	42	0	50	10- 80
2,4-Dinitrotoluene	0.0	50	45	45	90	90	0	38	24- 96
Pentachlorophenol	0.0	75	25	25	34	34	0	50	9-103
Pyrene	0.0	50	40	40	81	81	0	31	26-127

8270S.M Wed Mar 12 17:13:02 1997 HPPC

SBamonti
3/12/97

Spike Recovery and RPD Summary Report - SOIL

Method : C:\HPCHEM\1\METHODS\8270R.M
Title : 390/ASP/SW846
Last Update : Wed Mar 12 12:30:20 1997
Response via : Continuing Calibration

Non-Spiked Sample: R5308.D

	Spike Sample	Spike Duplicate Sample
File ID :	R5323.D	R5323.D
Sample :	30578QC, ~~QC~~, MSB1	30578QC, ~~QC~~, MSB1
Acq Time:	5 Mar 97 20:33 pm	5 Mar 97 20:33 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Phenol	0.0	75	43	43	58	58	0	35	26- 90
2-Chlorophenol	0.1	75	35	35	47	47	0	50	25-102
1,4-Dichlorobenzene	0.0	50	39	39	78	78	0	27	28-104
N-Nitroso-di-n-propy	0.1	50	43	43	86	86	0	38	41-126
1,2,4-Trichlorobenze	0.0	50	34	34	68	68	0	23	38-107
4-Chloro-3-Methylphe	0.0	75	39	39	52	52	0	33	26-103
Acenaphthene	0.0	50	42	42	84	84	0	19	31-137
4-Nitrophenol	0.0	75	45	45	60	60	0	50	11-114
2,4-Dinitrotoluene	0.0	50	42	42	85	85	0	47	28- 89
Pentachlorophenol	0.0	75	42	42	56	56	0	47	17-109
Pyrene	0.2	50	37	37	74	74	0	36	35-142

SBamonti 3/12/97

8270R.M Wed Mar 12 17:02:38 1997 HPPC

Spike Recovery and RPD Summary Report - SOIL

Method : C:\HPCHEM\1\METHODS\8270R.M
Title : 390/ASP/SW846
Last Update : Wed Mar 12 12:30:20 1997
Response via : Continuing Calibration

Non-Spiked Sample: R5313.D

	Spike Sample	Spike Duplicate Sample
File ID :	R5314.D	R5315.D
Sample :	3057815,S0600MS,	3057816,S0600MSD,
Acq Time:	5 Mar 97 15:21 pm	5 Mar 97 15:55 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Phenol	0.9	75	115	81	152#	106#	36#	35	26- 90
2-Chlorophenol	0.4	75	99	105	132#	139#	5	50	25-102
1,4-Dichlorobenzene	0.7	50	52	52	103	103	1	27	28-104
N-Nitroso-di-n-propy	0.0	50	64	58	128#	115	11	38	41-126
1,2,4-Trichlorobenze	0.1	50	19	25	38#	49	25#	23	38-107
4-Chloro-3-Methylphe	0.2	75	32	41	43	54	24	33	26-103
Acenaphthene	1.3	50	19	26	34	50	37#	19	31-137
4-Nitrophenol	0.3	75	28	36	37	48	24	50	11-114
2,4-Dinitrotoluene	0.1	50	16	21	32	42	29	47	28- 89
Pentachlorophenol	0.2	75	27	35	36	47	25	47	17-109
Pyrene	8.4	50	26	34	35	52	39#	36	35-142

8270R.M Wed Mar 12 17:01:56 1997 HPPC

FORM IV

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKM27

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Lab File ID: M5109.D Lab Sample ID: VBLKM27

Date Analyzed: 03/07/97 Time Analyzed: 1559

Matrix: (soil/water) SOIL Level:(low/med) LOW

Instrument ID: HPM

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	S-1-67	3070401	M5112.D	1742
02	S-20-2	3070402	M5113.D	1816
03	GP20-2	3070403	M5114.D	1850
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COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKM27

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: VBLKM27

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M5109.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. 0 Data Analyzed: 03/07/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	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
108-05-4	Vinyl Acetate	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKM27

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: VBLKM27

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M5109.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. 0 Data Analyzed: 03/07/97

Column: (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKP16

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Lab File ID: P5469.D Lab Sample ID: VBLKP16

Date Analyzed: 03/07/97 Time Analyzed: 1316

Matrix: (soil/water) WATER Level: (low/med) LOW

Instrument ID: HPP

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	MSB	MSB	P5470.D	1348
02	GP1GW	3070404	P5473.D	1523
03	GP4GW	3070405	P5474.D	1607
04	GP2GW	3070406	P5475.D	1639
05	GP2GWMS	3070406	P5476.D	1710
06	GP1GWDL	3070404	P5479.D	2030
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COMMENTS:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKP16

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: VBLKP16

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5469.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 03/07/97

Column: (pack/cap) CAP Dilution Factor: 1.0

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	10	U
67-64-1	Acetone	9	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
108-05-4	Vinyl Acetate	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKP16

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: VBLKP16

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5469.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 03/07/97

Column: (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKP17

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Lab File ID: P5482.D Lab Sample ID: VBLKP17

Date Analyzed: 03/08/97 Time Analyzed: 1156

Matrix: (soil/water) WATER Level:(low/med) LOW

Instrument ID: HPP

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	GP2GWMSD	3070406	P5483.D	1226
02	GP2GWDL	3070406	P5485.D	1345
03	GP4GWDL	3070405	P5486.D	1427
04				
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COMMENTS:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKP17

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: VBLKP17

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5482.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 03/08/97

Column: (pack/cap) CAP Dilution Factor: 1.0

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	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
108-05-4	Vinyl Acetate	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKP17

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: VBLKP17

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5482.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 03/08/97

Column: (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKP20

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Lab File ID: P5521.D Lab Sample ID: VBLKP20

Date Analyzed: 03/11/97 Time Analyzed: 1231

Matrix: (soil/water) SOIL Level:(low/med) MED

Instrument ID: HPP

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	MSB1	MSB1	P5522.D	1302
02	S-1-67DL	3070401	P5523.D	1331
03	S-1-67DLMS	3070401	P5524.D	1405
04	S-1-67DLMSD	3070401	P5525.D	1437
05				
06				
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COMMENTS:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKP20

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: VBLKP20

Sample wt/vol: 4.0 (g/mL) G Lab File ID: P5521.D

Level: (low/med) MED Date Received: 00/00/00

% Moisture: not dec. 0 Data Analyzed: 03/11/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1200	U
74-83-9	Bromomethane	1200	U
75-01-4	Vinyl Chloride	1200	U
75-00-3	Chloroethane	1200	U
75-09-2	Methylene Chloride	180	J
67-64-1	Acetone	1200	U
75-15-0	Carbon Disulfide	1200	U
75-35-4	1,1-Dichloroethene	1200	U
75-34-3	1,1-Dichloroethane	1200	U
540-59-0	1,2-Dichloroethene (total)	1200	U
67-66-3	Chloroform	1200	U
107-06-2	1,2-Dichloroethane	1200	U
78-93-3	2-Butanone	1200	U
71-55-6	1,1,1-Trichloroethane	1200	U
56-23-5	Carbon Tetrachloride	1200	U
75-27-4	Bromodichloromethane	1200	U
78-87-5	1,2-Dichloropropane	1200	U
10061-01-5	cis-1,3-Dichloropropene	1200	U
79-01-6	Trichloroethene	1200	U
124-48-1	Dibromochloromethane	1200	U
79-00-5	1,1,2-Trichloroethane	1200	U
71-43-2	Benzene	1200	U
10061-02-6	trans-1,3-Dichloropropene	1200	U
75-25-2	Bromoform	1200	U
108-10-1	4-Methyl-2-Pentanone	1200	U
591-78-6	2-Hexanone	1200	U
127-18-4	Tetrachloroethene	1200	U
79-34-5	1,1,2,2-Tetrachloroethane	1200	U
108-88-3	Toluene	1200	U
108-90-7	Chlorobenzene	1200	U
100-41-4	Ethylbenzene	1200	U
100-42-5	Styrene	1200	U
1330-20-7	Xylene (total)	1200	U
108-05-4	Vinyl Acetate	1200	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKP20

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: VBLKP20

Sample wt/vol: 4.0 (g/mL) G Lab File ID: P5521.D

Level: (low/med) MED Date Received: 00/00/00

% Moisture: not dec. 0 Data Analyzed: 03/11/97

Column: (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKP21

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Lab File ID: P5546.D Lab Sample ID: VBLKP21

Date Analyzed: 03/12/97 Time Analyzed: 1220

Matrix: (soil/water) SOIL Level:(low/med) MED

Instrument ID: HPP

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	GP20-2DL	3070403	P5548.D	1403
02				
03				
04				
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COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKP21

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: VBLKP21

Sample wt/vol: 4.0 (g/mL) G Lab File ID: P5546.D

Level: (low/med) MED Date Received: 00/00/00

% Moisture: not dec. 0 Data Analyzed: 03/12/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1200	U
74-83-9	Bromomethane	1200	U
75-01-4	Vinyl Chloride	1200	U
75-00-3	Chloroethane	1200	U
75-09-2	Methylene Chloride	160	J
67-64-1	Acetone	1200	U
75-15-0	Carbon Disulfide	1200	U
75-35-4	1,1-Dichloroethene	1200	U
75-34-3	1,1-Dichloroethane	1200	U
540-59-0	1,2-Dichloroethene (total)	1200	U
67-66-3	Chloroform	1200	U
107-06-2	1,2-Dichloroethane	1200	U
78-93-3	2-Butanone	1200	U
71-55-6	1,1,1-Trichloroethane	1200	U
56-23-5	Carbon Tetrachloride	1200	U
75-27-4	Bromodichloromethane	1200	U
78-87-5	1,2-Dichloropropane	1200	U
10061-01-5	cis-1,3-Dichloropropene	1200	U
79-01-6	Trichloroethene	1200	U
124-48-1	Dibromochloromethane	1200	U
79-00-5	1,1,2-Trichloroethane	1200	U
71-43-2	Benzene	1200	U
10061-02-6	trans-1,3-Dichloropropene	1200	U
75-25-2	Bromoform	1200	U
108-10-1	4-Methyl-2-Pentanone	1200	U
591-78-6	2-Hexanone	1200	U
127-18-4	Tetrachloroethene	1200	U
79-34-5	1,1,2,2-Tetrachloroethane	1200	U
108-88-3	Toluene	1200	U
108-90-7	Chlorobenzene	1200	U
100-41-4	Ethylbenzene	1200	U
100-42-5	Styrene	1200	U
1330-20-7	Xylene (total)	1200	U
108-05-4	Vinyl Acetate	1200	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKP21

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: VBLKP21

Sample wt/vol: 4.0 (g/mL) G Lab File ID: P5546.D

Level: (low/med) MED Date Received: 00/00/00

% Moisture: not dec. 0 Data Analyzed: 03/12/97

Column: (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK06

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Lab File ID: R5411.D Lab Sample ID: SWB0307A

Date Extracted: 03/07/97 Extraction:(SepF/Cont/Sonc) SEPF

Date Analyzed: 03/10/97 Time Analyzed: 1008

Matrix: (soil/water) WATER Level:(low/med) LOW

Instrument ID: HPR

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	GP1GW	3070404	R5395.D	03/08/97
02	GP2GW	3070406	R5397.D	03/08/97
03				
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COMMENTS:

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK06

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: SWB0307A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5411.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 0 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK06

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: SWB0307A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5411.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 0 dec. Date Extracted:03/07/97

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
100-51-6	Benzyl Alcohol	10	U
65-85-0	Benzoic Acid	50	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK06

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: SWB0307A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5411.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 0 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK08

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Lab File ID: R5415.D Lab Sample ID: SSB0306A

Date Extracted: 03/06/97 Extraction:(SepF/Cont/Sonc) SONC

Date Analyzed: 03/10/97 Time Analyzed: 1243

Matrix: (soil/water) SOIL Level:(low/med) LOW

Instrument ID: HPR

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	GP20-2	3070403	R5403.D	03/08/97
02	GP4GW	3070405	R5414.D	03/10/97
03	S-1-67	3070401	R5417.D	03/10/97
04	S-20-2	3070402	R5418.D	03/10/97
05	GP20-2RE	3070403	R5419.D	03/10/97
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COMMENTS:

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK08

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: SSB0306A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5415.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 0 dec. Date Extracted:03/06/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	1700	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	1700	U
83-32-9	Acenaphthene	330	U

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK08

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: SSB0306A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5415.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 0 dec. Date Extracted: 03/06/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1700	U
100-02-7	4-Nitrophenol	1700	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	1700	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	670	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenz(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U
100-51-6	Benzyl Alcohol	330	U
65-85-0	Benzoic Acid	1700	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK08

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: SSB0306A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5415.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 0 dec. Date Extracted: 03/06/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM VIII

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Lab File ID (Standard): M5108.D Date Analyzed: 03/07/97

Instrument ID: HPM Time Analyzed: 1508

Matrix:(soil/water) SOIL Level:(low/med) LOW Column:(pack/cap) CAP

		IS1(BCM) AREA #	RT	IS2(DFB) AREA #	RT	IS3(CBZ) AREA #	RT
	12 HOUR STD	249421	10.39	1523576	12.16	1184959	18.77
	UPPER LIMIT	498842	10.89	3047152	12.66	2369918	19.27
	LOWER LIMIT	124710	9.89	761788	11.66	592480	18.27
	EPA SAMPLE No.						
01	VBLKM27	259686	10.39	1421372	12.14	1147676	18.76
02	S-1-67	267903	10.38	1447522	12.16	1093346	18.77
03	S-20-2	322196	10.37	1680858	12.15	1254530	18.77
04	GP20-2	273452	10.39	1370373	12.15	960758	18.76
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

UPPER LIMIT = + 100%
of internal standard area
LOWER LIMIT = - 50%
of internal standard area

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

FORM VIII VOA SW846 METHOD 8240A

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Lab File ID (Standard): P5468.D Date Analyzed: 03/07/97

Instrument ID: HPP Time Analyzed: 1236

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

		IS1(BCM) AREA #	RT	IS2(DFB) AREA #	RT	IS3(CBZ) AREA #	RT
	12 HOUR STD	133176	7.65	616430	9.08	461186	14.90
	UPPER LIMIT	266352	8.15	1232860	9.58	922372	15.40
	LOWER LIMIT	66588	7.15	308215	8.58	230593	14.40
	EPA SAMPLE No.						
01	VBLKP16	143874	7.65	679806	9.07	524539	14.90
02	MSB	140487	7.64	631899	9.08	479412	14.90
03	GP1GW	130933	7.65	587497	9.09	449430	14.91
04	GP4GW	135707	7.66	610927	9.08	455149	14.91
05	GP2GW	132930	7.65	607505	9.08	462000	14.91
06	GP2GWMS	92463	7.70	510841	9.11	389228	14.92
07	GP1GWDL	130966	7.67	620666	9.09	472779	14.91
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

UPPER LIMIT = + 100% of internal standard area
LOWER LIMIT = - 50% of internal standard area

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

FORM VIII VOA SW846 METHOD 8240A

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Lab File ID (Standard): P5481.D Date Analyzed: 03/08/97

Instrument ID: HPP Time Analyzed: 1117

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

		IS1(BCM) AREA #	RT	IS2(DFB) AREA #	RT	IS3(CBZ) AREA #	RT
	12 HOUR STD	134068	7.66	608269	9.08	459209	14.92
	UPPER LIMIT	268136	8.16	1216538	9.58	918418	15.42
	LOWER LIMIT	67034	7.16	304134	8.58	229604	14.42
	EPA SAMPLE No.						
01	VBLKP17	130119	7.68	640634	9.10	487154	14.93
02	GP2GWMSD	108200	7.65	496268	9.09	381275	14.93
03	GP2GWDL	132678	7.67	617280	9.09	464391	14.93
04	GP4GWDL	149451	7.66	681968	9.09	516408	14.93
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

UPPER LIMIT = + 100%
of internal standard area
LOWER LIMIT = - 50%
of internal standard area

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

FORM VIII VOA SW846 METHOD 8240A

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Lab File ID (Standard): P5545.D Date Analyzed: 03/12/97

Instrument ID: HPP Time Analyzed: 1139

Matrix:(soil/water) SOIL Level:(low/med) MED Column:(pack/cap) CAP

		IS1(BCM) AREA #	RT	IS2(DFB) AREA #	RT	IS3(CBZ) AREA #	RT
	12 HOUR STD	124474	7.64	579928	9.08	423839	14.91
	UPPER LIMIT	248948	8.14	1159856	9.58	847678	15.41
	LOWER LIMIT	62237	7.14	289964	8.58	211920	14.41
	EPA SAMPLE No.						
01	VBLKP21	115363	7.64	593091	9.08	439996	14.91
02	GP20-2DL	109599	7.64	530981	9.07	392907	14.91
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22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

UPPER LIMIT = + 100%
of internal standard area
LOWER LIMIT = - 50%
of internal standard area

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

FORM VIII VOA SW846 METHOD 8240A

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Lab File ID (Standard): R5388.D Date Analyzed: 03/08/97

Instrument ID: HPR Time Analyzed: 0956

		IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
	12 HOUR STD	289073	4.39	1063669	5.81	595548	8.67
	UPPER LIMIT	578146	4.89	2127338	6.31	1191096	9.17
	LOWER LIMIT	144536	3.89	531834	5.31	297774	8.17
	EPA SAMPLE No.						
01	GP1GW	362406	4.37	1119165	5.79	601237	8.65
02	GP2GW	343792	4.37	1123482	5.79	601359	8.65
03	GP20-2	655858*	4.37	2253788*	5.79	1193826*	8.66
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

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

FORM VIII SV-1 SW846 METHOD 8270A

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Lab File ID (Standard): R5388.D Date Analyzed: 03/08/97

Instrument ID: HPR Time Analyzed: 0956

		IS4(PHN) AREA #	RT	IS5(CRY) AREA #	RT	IS6(PRY) AREA #	RT
	12 HOUR STD	935035	11.53	742467	16.97	836677	20.15
	UPPER LIMIT	1870070	12.03	1484934	17.47	1673354	20.65
	LOWER LIMIT	467518	11.03	371234	16.47	418338	19.65
	EPA SAMPLE No.						
01	GP1GW	860637	11.51	781023	16.95	891824	20.15
02	GP2GW	882482	11.51	801411	16.95	931764	20.15
03	GP20-2	1701890	11.52	1458594	16.97	1764709*	20.15
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100%
of internal standard area.
AREA LOWER LIMIT = - 50%
of internal standard area.

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

FORM VIII SV-2 SW846 METHOD 8270A

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Lab File ID (Standard): R5409.D Date Analyzed: 03/10/97

Instrument ID: HPR Time Analyzed: 0852

		IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
	12 HOUR STD	988372	4.39	3202653	5.83	1814997	8.69
	UPPER LIMIT	1976744	4.89	6405306	6.33	3629994	9.19
	LOWER LIMIT	494186	3.89	1601326	5.33	907498	8.19
	EPA SAMPLE No.						
01	SBLK06	866800	4.39	2672528	5.81	1410912	8.69
02	GP4GW	707594	4.39	2724856	5.81	1426375	8.67
03	SBLK08	760080	4.38	2401885	5.80	1250024	8.66
04	S-1-67	671395	4.37	2352559	5.79	1253937	8.65
05	S-20-2	654943	4.38	2329504	5.80	1293141	8.67
06	GP20-2RE	290332*	4.37	1189344*	5.81	637080*	8.67
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

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

FORM VIII SV-1 SW846 METHOD 8270A

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

March 14, 1997

Dvirka & Bartilucci
330 Crossways Park Dr.
Woodbury, NY 11797

Attn : Robbin Petrella
Ref : Popular Uniform, Proj#1447
P.O. # : pending

Nytest Environmental, Inc., is pleased to submit our Project Number 9723092 for Login Number 30687, on your sample received 03/04/97.

We certify that this report is a true report of results obtained from our tests of this material.

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.

Respectfully submitted,

Lori Beyer
Laboratory Director
Nytest Environmental, Inc.

Enclosure: Summary Data Package
Shipped Via:

NYS Lab ID#10195
NJ Cert.#73469

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

Table of Contents

NYTEST ENVIRONMENTAL Inc.

SDG:

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
3068701	GP30-2	Soil
3068702	GP10-2	Soil
3068703	GP3GW	Water
3068704	TRIP	Water

ASP FORMS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND
ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical Requirements					
		VOA GC/MS Method	BNA GC/MS Method	VOA GC Method	PEST PCB Method	METALS	OTHER
GP30-2	30687-01	X	X			X	
GP10-2	30687-02						
GP3GW	30687-03						
TRIP	30687-04						

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
3068701	SOIL	03/01/97	03/04/97	03/06/97	03/10/97
3068702	SOIL	03/01/97	03/04/97	03/06/97	03/08/97
3068703	WATER	03/01/97	03/04/97	03/07/97 03/10/97	03/10/97 03/12/97

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA)
ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxillary Cleanup	Dil / Conc Factor
3068701	SOIL	NYSASP '91	SONC	As Required	As Required
3068702	SOIL	NYSASP '91	SONC	As Required	As Required
3068703	WATER	NYSASP '91	SEPF	As Required	As Required

nytest environmental inc

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
3068701	SOIL	3-1-97	3-4-97	NA	3-7
02	"				"
03	WATER				3-7
04	"				3-8-97

000006

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY

INORGANIC ANALYSES

SAMPLE ID	MATRIX	METALS REQUESTED	DATE RECEIVED	DATE DIGESTED	DATE ANALYZED
30687-01	Soil	TCLP metals	3-4-97	3-5-97 3-6-97	3-5-97 3-10-97
30687-02	Soil				
30687-01	Water				
30687-01DISS	Water				

SDG NARRATIVE

NARRATIVE DISCUSSION
VOLATILES - 30687

INTRODUCTION

This narrative covers the analysis of two aqueous samples and two soil samples in accordance with protocols based on SW-846 Method 8240.

HOLDING TIMES

The analytical holding time for this analysis was met.

CALIBRATIONS

All required minimum RRFs and maximum %RSD initial calibration requirements have been met in accordance with the method. All required minimum RRFs and maximum %D continuing calibration requirements have been met in accordance with the method.

METHOD BLANKS

The method blanks associated with these samples meet all method requirements.

SURROGATES (SYSTEM MONITORING COMPOUNDS)

Surrogate recoveries were within QC limits, with the exception of sample GP3GWDL, which yielded surrogate recoveries outside QC limits. No further action was required.

MATRIX SPIKES

Batched QC is being supplied. The applicable Form 3 is, therefore, being supplied.

INTERNAL STANDARDS

All area responses and retention times fell within an acceptable range.

SAMPLE COMMENTS

Analysis of sample GP3GW yielded target analyte concentrations which exceeded the highest calibration standard. These compounds have been qualified "E". Reanalysis was performed at a further dilution. Both sets of data are included. The concentrations of these compounds should be taken from the diluted analysis. No other analytical problems were encountered.

NARRATIVE DISCUSSION
SEMIVOLATILES - 30687

INTRODUCTION

This narrative covers the analysis of one aqueous sample and two soil samples in accordance with protocols based on SW-846 Method 8270.

HOLDING TIMES

The extraction and analytical holding times for this analysis were met.

CALIBRATIONS

All required minimum RRFs and maximum %RSD initial calibration requirements have been met in accordance with the method. All required minimum RRFs and maximum %D continuing calibration requirements have been met in accordance with the method.

METHOD BLANKS

The method blanks associated with these samples met all method requirements.

SURROGATES

Surrogate recoveries were within QC limits with the exception of sample GP3GW. Reextraction was performed, and similar results were obtained which is indicative of sample matrix affects. Both sets of data are included.

MATRIX SPIKE BLANKS

The recoveries for the matrix spike blanks were within QC limits.

MATRIX SPIKES

Matrix spikes were not designated to be performed on any of the samples covered by this report. Batched QC is being supplied. Note that non site specific QC may demonstrate differing matrix affects than samples contained in this login. The applicable Form 3 is, therefore, being supplied. Applicable raw data is available upon request.

INTERNAL STANDARDS

All area responses and retention times fell within an acceptable range.

SAMPLE COMMENTS

No other analytical problems were encountered.

CASE NARRATIVE
METALS

Login No: 30687

HOLDING TIMES

All samples associated with this LOGIN were prepared and analyzed within the specified holding time.

CALIBRATIONS

All ICV and CCV standards meet QC criteria.

The percent recovery of all components in the CRDL standard recovered within NEI control limits of ± 50%.

BLANKS

All preparation blanks and calibration blanks associated with these analyses meet QC criteria.

MATRIX SPIKES

Sample GP30-2 was utilized as the matrix spike sample for the analyses of metals in soil.

Site specific QC was not requested for this login, therefore, batch QC's 30688, 30680 and 30682 are being supplied. Note that any matrix effects demonstrated by the batch QC samples may not be indicative of any potential matrix effects associated with the samples from this login.

All matrix spike recoveries met the 75-125% recovery criteria, with the exception of Sb, Ba and Cu for spike sample GP30-2. A post-digestion spike was performed for the affected analytes and is reported on Form 5B.

The appropriate reporting qualifiers have been applied to the Form1 results as required.

DUPLICATES

Sample GP30-2 was utilized as the duplicate sample for the analyses of metals in soil.

Site specific QC was not requested for this login, therefore, batch QC's 30688, 30680 and 30682 are being supplied. Note that any matrix effects demonstrated by the batch QC samples may not be indicative of any potential matrix effects associated with the samples from this login.

All Relative Percent Differences (RPDs) met QC criteria, with the exception of Cd, Ca, Fe, Pb, and V for dupe sample GP30-2. The appropriate reporting qualifiers have been applied to the Form 1 results as required.

Note that all RPDs of 200% are due to one analyte being reported above the Instrument Detection Limit (IDL) and one result below the IDL.

LABORATORY CONTROL SAMPLE (LCS)

The percent recovery of all components in the LCS met QC criteria.

Note that an aqueous LCS is not required for Mercury analyses.

SERIAL DILUTION

A serial dilution was performed on samples GP30-2 and 30688. All percent differences (%D) were within the ± 10% acceptance limits, with the exception of Co, indicating a potential interference on sample quantitation from the sample matrix.

SAMPLES

All samples were analyzed in accordance with the requirements of the methods described in NYSDEC ASP.

No further analytical problems were encountered.

SPECIAL PROJECT NOTES

None.

I certify 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 the data contained in this hardcopy data package has been authorized by the Laboratory Director or her designee, as verified by the following signature.

Lori Beyer
Laboratory Director

FORM I

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP10-2

Lab Name: NYTEST ENV INC Contract: 9623092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) SOIL Lab Sample ID: 3068702

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M5111.D

Level: (low/med) LOW Date Received: 03/04/97

% Moisture: not dec. 10 Data Analyzed: 03/07/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	3	JB
67-64-1	Acetone	2	J
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	10	J
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U
108-05-4	Vinyl Acetate	11	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GP10-2

Lab Name: NYTEST ENV INC Contract: 9623092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) SOIL Lab Sample ID: 3068702

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M5111.D

Level: (low/med) LOW Date Received: 03/04/97

% Moisture: not dec. 10 Data Analyzed: 03/07/97

Column: (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN AROMATIC	25.893	6	J
2.	UNKNOWN AROMATIC	26.782	6	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP30-2

Lab Name: NYTEST ENV INC Contract: 9623092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) SOIL Lab Sample ID: 3068701

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M5110.D

Level: (low/med) LOW Date Received: 03/04/97

% Moisture: not dec. 10 Data Analyzed: 03/07/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	3	JB
67-64-1	Acetone	2	J
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	2	J
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	33	
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U
108-05-4	Vinyl Acetate	11	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GP30-2

Lab Name: NYTEST ENV INC Contract: 9623092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) SOIL Lab Sample ID: 3068701

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M5110.D

Level: (low/med) LOW Date Received: 03/04/97

% Moisture: not dec. 10 Data Analyzed: 03/07/97

Column: (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN AROMATIC	23.510	170	J
2.	UNKNOWN AROMATIC	23.837	160	J
3.	UNKNOWN AROMATIC	24.125	94	J
4.	UNKNOWN AROMATIC	24.616	90	J
5.	UNKNOWN AROMATIC	24.712	120	J
6.	UNKNOWN AROMATIC	25.010	130	J
7.	UNKNOWN AROMATIC	25.155	95	J
8.	UNKNOWN AROMATIC	25.270	100	J
9.	UNKNOWN AROMATIC	25.916	130	J
10.	UNKNOWN AROMATIC	26.532	180	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP3GW

Lab Name: NYTEST ENV INC Contract: 9623092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) WATER Lab Sample ID: 3068703

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5472.D

Level: (low/med) LOW Date Received: 03/04/97

% Moisture: not dec. _____ Data Analyzed: 03/07/97

Column: (pack/cap) CAP Dilution Factor: 1.0

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	72	
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	15	B
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	2	J
540-59-0	1,2-Dichloroethene (total)	530	E
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	38	
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	2	J
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	23	
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	1	J
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	11	
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	30	
108-05-4	Vinyl Acetate	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GP3GW

Lab Name: NYTEST ENV INC Contract: 9623092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) WATER Lab Sample ID: 3068703

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5472.D

Level: (low/med) LOW Date Received: 03/04/97

% Moisture: not dec. _____ Data Analyzed: 03/07/97

Column: (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN AROMATIC	19.253	140	J
2.	UNKNOWN AROMATIC	20.980	100	J
3.	UNKNOWN AROMATIC	21.656	100	J
4.	UNKNOWN AROMATIC	22.415	100	J
5.	UNKNOWN AROMATIC	23.029	94	J
6.	UNKNOWN AROMATIC	23.913	96	J
7.	UNKNOWN AROMATIC	24.132	130	J
8.	UNKNOWN AROMATIC	24.350	140	J
9.	UNKNOWN AROMATIC	24.901	110	J
10.	UNKNOWN AROMATIC	25.047	160	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP3GWDL

Lab Name: NYTEST ENV INC Contract: 9623092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) WATER Lab Sample ID: 3068703

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5478.D

Level: (low/med) LOW Date Received: 03/04/97

% Moisture: not dec. _____ Data Analyzed: 03/07/97

Column: (pack/cap) CAP Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	100	U
74-83-9	Bromomethane	100	U
75-01-4	Vinyl Chloride	100	D
75-00-3	Chloroethane	100	U
75-09-2	Methylene Chloride	100	U
67-64-1	Acetone	100	U
75-15-0	Carbon Disulfide	100	U
75-35-4	1,1-Dichloroethene	100	U
75-34-3	1,1-Dichloroethane	100	U
540-59-0	1,2-Dichloroethene (total)	500	D
67-66-3	Chloroform	100	U
107-06-2	1,2-Dichloroethane	100	U
78-93-3	2-Butanone	100	U
71-55-6	1,1,1-Trichloroethane	100	U
56-23-5	Carbon Tetrachloride	100	U
75-27-4	Bromodichloromethane	100	U
78-87-5	1,2-Dichloropropane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
79-01-6	Trichloroethene	31	JD
124-48-1	Dibromochloromethane	100	U
79-00-5	1,1,2-Trichloroethane	100	U
71-43-2	Benzene	100	U
10061-02-6	trans-1,3-Dichloropropene	100	U
75-25-2	Bromoform	100	U
108-10-1	4-Methyl-2-Pentanone	100	U
591-78-6	2-Hexanone	100	U
127-18-4	Tetrachloroethene	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
108-88-3	Toluene	100	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	15	JD
100-42-5	Styrene	100	U
1330-20-7	Xylene (total)	29	JD
108-05-4	Vinyl Acetate	100	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GP3GWDL

Lab Name: NYTEST ENV INC Contract: 9623092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) WATER Lab Sample ID: 3068703

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5478.D

Level: (low/med) LOW Date Received: 03/04/97

% Moisture: not dec. _____ Data Analyzed: 03/07/97

Column: (pack/cap) CAP Dilution Factor: 10.0

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN AROMATIC	16.496	100	JD
2.	UNKNOWN AROMATIC	19.273	170	JD
3.	UNKNOWN AROMATIC	20.386	100	JD
4.	UNKNOWN AROMATIC	21.000	180	JD
5.	UNKNOWN AROMATIC	21.687	110	JD
6.	UNKNOWN AROMATIC	21.947	110	JD
7.	UNKNOWN AROMATIC	22.425	140	JD
8.	UNKNOWN AROMATIC	24.142	120	JD
9.	UNKNOWN AROMATIC	24.360	150	JD
10.	UNKNOWN AROMATIC	25.047	170	JD
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP

Lab Name: NYTEST ENV INC Contract: 9623092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) WATER Lab Sample ID: 3068704

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5484.D

Level: (low/med) LOW Date Received: 03/04/97

% Moisture: not dec. _____ Data Analyzed: 03/08/97

Column: (pack/cap) CAP Dilution Factor: 1.0

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	2	J
67-64-1	Acetone	23	
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
108-05-4	Vinyl Acetate	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP

Lab Name: NYTEST ENV INC Contract: 9623092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) WATER Lab Sample ID: 3068704

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5484.D

Level: (low/med) LOW Date Received: 03/04/97

% Moisture: not dec. _____ Data Analyzed: 03/08/97

Column: (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC	Q
1.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP10-2

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) SOIL Lab Sample ID: 3068702

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5400.D

Level: (low/med) LOW Date Received: 03/04/97

% Moisture: not dec. 10 dec. Date Extracted: 03/06/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/08/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)Ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
59-50-7	4-Chloro-3-Methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	370	U

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP10-2

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) SOIL Lab Sample ID: 3068702

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5400.D

Level: (low/med) LOW Date Received: 03/04/97

% Moisture: not dec. 10 dec. Date Extracted: 03/06/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/08/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1800	U
100-02-7	4-Nitrophenol	1800	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	370	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	200	J
120-12-7	Anthracene	370	U
84-74-2	Di-n-butylphthalate	370	U
206-44-0	Fluoranthene	440	
129-00-0	Pyrene	410	
85-68-7	Butylbenzylphthalate	41	J
91-94-1	3,3'-Dichlorobenzidine	740	U
56-55-3	Benzo(a)anthracene	230	J
218-01-9	Chrysene	260	J
117-81-7	bis(2-Ethylhexyl)phthalate	200	J
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	200	J
207-08-9	Benzo(k)fluoranthene	230	J
50-32-8	Benzo(a)pyrene	240	J
193-39-5	Indeno(1,2,3-cd)pyrene	160	J
53-70-3	Dibenz(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	180	J
100-51-6	Benzyl Alcohol	370	U
65-85-0	Benzoic Acid	1800	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP10-2

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) SOIL Lab Sample ID: 3068702

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5400.D

Level: (low/med) LOW Date Received: 03/04/97

% Moisture: not dec. 10 dec. Date Extracted: 03/06/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/08/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALDOL	3.179	12000	AJB
2.	UNKNOWN	3.670	1100	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP30-2

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) SOIL Lab Sample ID: 3068701

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5416.D

Level: (low/med) LOW Date Received: 03/04/97

% Moisture: not dec. 10 dec. Date Extracted: 03/06/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	740	U
111-44-4	bis(2-Chloroethyl)Ether	740	U
95-57-8	2-Chlorophenol	740	U
541-73-1	1,3-Dichlorobenzene	740	U
106-46-7	1,4-Dichlorobenzene	740	U
95-50-1	1,2-Dichlorobenzene	740	U
95-48-7	2-Methylphenol	740	U
108-60-1	2,2'-oxybis(1-Chloropropane)	740	U
106-44-5	4-Methylphenol	740	U
621-64-7	N-Nitroso-di-n-propylamine	740	U
67-72-1	Hexachloroethane	740	U
98-95-3	Nitrobenzene	740	U
78-59-1	Isophorone	740	U
88-75-5	2-Nitrophenol	740	U
105-67-9	2,4-Dimethylphenol	740	U
120-83-2	2,4-Dichlorophenol	740	U
120-82-1	1,2,4-Trichlorobenzene	740	U
91-20-3	Naphthalene	100	J
106-47-8	4-Chloroaniline	740	U
87-68-3	Hexachlorobutadiene	740	U
111-91-1	bis(2-Chloroethoxy)methane	740	U
59-50-7	4-Chloro-3-Methylphenol	740	U
91-57-6	2-Methylnaphthalene	170	J
77-47-4	Hexachlorocyclopentadiene	740	U
88-06-2	2,4,6-Trichlorophenol	740	U
95-95-4	2,4,5-Trichlorophenol	3700	U
91-58-7	2-Chloronaphthalene	740	U
88-74-4	2-Nitroaniline	3700	U
131-11-3	Dimethylphthalate	740	U
208-96-8	Acenaphthylene	740	U
606-20-2	2,6-Dinitrotoluene	740	U
99-09-2	3-Nitroaniline	3700	U
83-32-9	Acenaphthene	130	J

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP30-2

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) SOIL Lab Sample ID: 3068701

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5416.D

Level: (low/med) LOW Date Received: 03/04/97

% Moisture: not dec. 10 dec. Date Extracted: 03/06/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	3700	U
100-02-7	4-Nitrophenol	3700	U
132-64-9	Dibenzofuran	740	U
121-14-2	2,4-Dinitrotoluene	740	U
84-66-2	Diethylphthalate	740	U
7005-72-3	4-Chlorophenyl-phenylether	740	U
86-73-7	Fluorene	740	U
100-01-6	4-Nitroaniline	3700	U
534-52-1	4,6-Dinitro-2-methylphenol	3700	U
86-30-6	N-Nitrosodiphenylamine (1)	260	J
101-55-3	4-Bromophenyl-phenylether	740	U
118-74-1	Hexachlorobenzene	740	U
87-86-5	Pentachlorophenol	3700	U
85-01-8	Phenanthrene	680	J
120-12-7	Anthracene	740	U
84-74-2	Di-n-butylphthalate	740	U
206-44-0	Fluoranthene	310	J
129-00-0	Pyrene	380	J
85-68-7	Butylbenzylphthalate	740	U
91-94-1	3,3'-Dichlorobenzidine	1500	U
56-55-3	Benzo(a)anthracene	170	J
218-01-9	Chrysene	230	J
117-81-7	bis(2-Ethylhexyl)phthalate	200	J
117-84-0	Di-n-octylphthalate	740	U
205-99-2	Benzo(b)fluoranthene	150	J
207-08-9	Benzo(k)fluoranthene	170	J
50-32-8	Benzo(a)pyrene	170	J
193-39-5	Indeno(1,2,3-cd)pyrene	120	J
53-70-3	Dibenz(a,h)anthracene	740	U
191-24-2	Benzo(g,h,i)perylene	150	J
100-51-6	Benzyl Alcohol	740	U
65-85-0	Benzoic Acid	3700	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP30-2

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) SOIL Lab Sample ID: 3068701

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5416.D

Level: (low/med) LOW Date Received: 03/04/97

% Moisture: not dec. 10 dec. Date Extracted: 03/06/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 2.0

Number TICs found: 21

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALDOL	3.179	17000	AJB
2.	UNKNOWN	3.671	1400	J
3.	UNKNOWN	4.846	770	J
4.	UNKNOWN HYDROCARBON	6.531	1500	J
5.	UNKNOWN AROMATIC	6.987	950	J
6.	UNKNOWN HYDROCARBON	7.250	2200	J
7.	UNKNOWN AROMATIC	7.865	1400	J
8.	UNKNOWN AROMATIC	8.058	5800	J
9.	UNKNOWN AROMATIC	8.233	1400	J
10.	UNKNOWN HYDROCARBON	8.409	3100	J
11.	UNKNOWN AROMATIC	8.812	1000	J
12.	UNKNOWN AROMATIC	9.023	3900	J
13.	UNKNOWN AROMATIC	9.251	1500	J
14.	UNKNOWN HYDROCARBON	9.356	2600	J
15.	UNKNOWN AROMATIC	9.690	770	J
16.	UNKNOWN HYDROCARBON	10.286	1300	J
17.	UNKNOWN HYDROCARBON	11.181	1300	J
18.	UNKNOWN HYDROCARBON	11.269	1600	J
19.	UNKNOWN HYDROCARBON	12.041	1200	J
20.	UNKNOWN HYDROCARBON	12.866	1200	J
21.	UNKNOWN HYDROCARBON	13.655	1200	J
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP3GW

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) WATER Lab Sample ID: 3068703

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5413.D

Level: (low/med) LOW Date Received: 03/04/97

% Moisture: not dec. 0 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	12	
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	28	
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	2	J

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP3GW

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) WATER Lab Sample ID: 3068703

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5413.D

Level: (low/med) LOW Date Received: 03/04/97

% Moisture: not dec. 0 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	1	J
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	3	J
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	4	J
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	1	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
100-51-6	Benzyl Alcohol	10	U
65-85-0	Benzoic Acid	50	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP3GW

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) WATER Lab Sample ID: 3068703

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5413.D

Level: (low/med) LOW Date Received: 03/04/97

% Moisture: not dec. 0 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

Number TICs found: 20

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.179	13	J
2.	UNKNOWN AROMATIC	4.004	9	J
3.	UNKNOWN AROMATIC	4.460	8	J
4.	UNKNOWN AROMATIC	4.829	8	J
5.	UNKNOWN AROMATIC	4.899	8	J
6.	UNKNOWN AROMATIC	5.478	9	J
7.	UNKNOWN AROMATIC	5.618	6	J
8.	UNKNOWN HYDROCARBON	6.127	6	J
9.	UNKNOWN AROMATIC	6.513	8	J
10.	UNKNOWN AROMATIC	7.022	15	J
11.	UNKNOWN AROMATIC	7.268	10	J
12.	UNKNOWN AROMATIC	7.777	9	J
13.	UNKNOWN AROMATIC	7.882	11	J
14.	UNKNOWN AROMATIC	8.040	28	J
15.	UNKNOWN AROMATIC	8.250	8	J
16.	UNKNOWN AROMATIC	8.426	8	J
17.	UNKNOWN AROMATIC	9.268	6	J
18.	UNKNOWN AROMATIC	9.830	10	J
19.	UNKNOWN HYDROCARBON	10.356	12	J
20.	UNKNOWN HYDROCARBON	11.286	9	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP3GWRE

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) WATER Lab Sample ID: 3068703

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5456.D

Level: (low/med) LOW Date Received: 03/04/97

% Moisture: not dec. 0 dec. Date Extracted: 03/10/97

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/12/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	7	J
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	16	
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	1	J

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP3GWRE

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) WATER Lab Sample ID: 3068703

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5456.D

Level: (low/med) LOW Date Received: 03/04/97

% Moisture: not dec. 0 dec. Date Extracted: 03/10/97

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/12/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	1	J
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	3	J
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	3	J
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	4	J
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	4	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
100-51-6	Benzyl Alcohol	10	U
65-85-0	Benzoic Acid	50	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP3GWRE

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) WATER Lab Sample ID: 3068703

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5456.D

Level: (low/med) LOW Date Received: 03/04/97

% Moisture: not dec. 0 dec. Date Extracted: 03/10/97

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/12/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

Number TICs found: 21

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.162	8	J
2.	UNKNOWN AROMATIC	3.407	9	J
3.	UNKNOWN AROMATIC	3.969	18	J
4.	UNKNOWN AROMATIC	4.144	45	J
5.	UNKNOWN	4.197	8	J
6.	UNKNOWN AROMATIC	4.425	11	J
7.	UNKNOWN AROMATIC	4.723	8	J
8.	UNKNOWN HYDROCARBON	4.829	27	J
9.	UNKNOWN HYDROCARBON	6.232	7	J
10.	UNKNOWN AROMATIC	6.460	11	J
11.	UNKNOWN AROMATIC	6.952	16	J
12.	UNKNOWN AROMATIC	7.197	26	J
13.	UNKNOWN AROMATIC	7.812	12	J
14.	UNKNOWN AROMATIC	8.005	42	J
15.	UNKNOWN AROMATIC	8.180	11	J
16.	UNKNOWN HYDROCARBON	8.356	15	J
17.	UNKNOWN AROMATIC	9.198	10	J
18.	UNKNOWN HYDROCARBON	9.303	8	J
19.	UNKNOWN HYDROCARBON	9.759	22	J
20.	UNKNOWN HYDROCARBON	10.286	31	J
21.	UNKNOWN HYDROCARBON	11.216	15	J
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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP30-2

Lab Name: NYTEST_ENV_INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix (soil/water): SOIL Lab Sample ID: 068701

Level (low/med): LOW Date Received: 03/04/97

% Solids: 90.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6680			P
7440-36-0	Antimony	2.4	B	N	P
7440-38-2	Arsenic	4.6			P
7440-39-3	Barium	404		N	P
7440-41-7	Beryllium	0.42	B		P
7440-43-9	Cadmium	0.51	B	*	P
7440-70-2	Calcium	2920		*	P
7440-47-3	Chromium	16.8			P
7440-48-4	Cobalt	7.6		E	P
7440-50-8	Copper	52.0		N	P
7439-89-6	Iron	23900		*	P
7439-92-1	Lead	787		*	P
7439-95-4	Magnesium	2200			P
7439-96-5	Manganese	410			P
7439-97-6	Mercury	0.33			CV
7440-02-0	Nickel	19.2			P
7440-09-7	Potassium	930			P
7782-49-2	Selenium	0.49	B		P
7440-22-4	Silver	0.22	B		P
7440-23-5	Sodium	472	B		P
7440-28-0	Thallium	0.55	U		P
7440-62-2	Vanadium	24.0		*	P
7440-66-6	Zinc	226			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP10-2

Lab Name: NYTEST_ENV_INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix (soil/water): SOIL Lab Sample ID: 068702

Level (low/med): LOW Date Received: 03/04/97

% Solids: 90.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7440			P
7440-36-0	Antimony	1.4	B	N	P
7440-38-2	Arsenic	33.8			P
7440-39-3	Barium	175		N	P
7440-41-7	Beryllium	0.51	B		P
7440-43-9	Cadmium	1.1		*	P
7440-70-2	Calcium	5800		*	P
7440-47-3	Chromium	24.1			P
7440-48-4	Cobalt	7.4		E	P
7440-50-8	Copper	99.0		N	P
7439-89-6	Iron	29400		*	P
7439-92-1	Lead	358		*	P
7439-95-4	Magnesium	2310			P
7439-96-5	Manganese	326			P
7439-97-6	Mercury	1.7			CV
7440-02-0	Nickel	19.0			P
7440-09-7	Potassium	1160			P
7782-49-2	Selenium	0.43	U		P
7440-22-4	Silver	0.36	B		P
7440-23-5	Sodium	578			P
7440-28-0	Thallium	0.54	U		P
7440-62-2	Vanadium	26.5		*	P
7440-66-6	Zinc	337			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP3GW

Lab Name: NYTEST_ENV_INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix (soil/water): WATER Lab Sample ID: 068703

Level (low/med): LOW Date Received: 03/04/97

% 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	209000			P
7440-36-0	Antimony	52.0	B		P
7440-38-2	Arsenic	99.3			P
7440-39-3	Barium	1550			P
7440-41-7	Beryllium	18.3			P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	154000			P
7440-47-3	Chromium	1020			P
7440-48-4	Cobalt	320			P
7440-50-8	Copper	896			P
7439-89-6	Iron	1650000			P
7439-92-1	Lead	475			P
7439-95-4	Magnesium	96700			P
7439-96-5	Manganese	19600			P
7439-97-6	Mercury	1.4			CV
7440-02-0	Nickel	643			P
7440-09-7	Potassium	57200			P
7782-49-2	Selenium	4.1	U		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	140000			P
7440-28-0	Thallium	5.2	U		P
7440-62-2	Vanadium	993			P
7440-66-6	Zinc	1210			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

IRON_ANALYZED_AT_10X_DILUTION

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

DGP3GW

Lab Name: NYTEST_ENV_INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix (soil/water): WATER Lab Sample ID: D068703

Level (low/med): LOW Date Received: 03/04/97

% 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	280			P
7440-36-0	Antimony	4.9	U		P
7440-38-2	Arsenic	4.1	U		P
7440-39-3	Barium	677			P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	144000			P
7440-47-3	Chromium	1.3	U		P
7440-48-4	Cobalt	16.1	B		P
7440-50-8	Copper	8.8	B		P
7439-89-6	Iron	1010			P
7439-92-1	Lead	1.8	U		P
7439-95-4	Magnesium	40100			P
7439-96-5	Manganese	8810			P
7439-97-6	Mercury	0.09	U		CV
7440-02-0	Nickel	24.7	B		P
7440-09-7	Potassium	12000			P
7782-49-2	Selenium	4.1	U		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	150000			P
7440-28-0	Thallium	5.2	U		P
7440-62-2	Vanadium	1.8	U		P
7440-66-6	Zinc	157			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

DISSOLVED

FORM II

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: NYTEST ENV INC Contract: 9623092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKP16	99	103	96		0
02	GP3GW	100	98	98		0
03	GP3GWDL	104	106	127*		1
04	VBLKP17	100	99	88		0
05	TRIP	97	100	91		0
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		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 Surrogates diluted out

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: NYTEST ENV INC Contract: 9623092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKM27	98	101	79		0
02	GP30-2	104	99	81		0
03	GP10-2	104	97	82		0
04						
05						
06						
07						
08						
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		QC LIMITS
SMC1 (TOL)	= Toluene-d8	(81-117)
SMC2 (BFB)	= Bromofluorobenzene	(74-121)
SMC3 (DCE)	= 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

FORM II VOA-2 SW846 METHOD 8240A

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

	EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	S7 (2CP)#	S8 (DCB)#	TOT OUT
01	SBLK07A	71	79	69	56	93	85	100	86	0
02	GP3GW	60	70	75	1*	2*	2*	3*	54	4
03	SBLK07	76	79	70	72	69	82	81	73	0
04	GP3GWRE	72	70	74	0*	0*	2*	0*	60	4
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		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(35-114)	
S2 (FBP)	= 2-Fluorobiphenyl	(43-116)	
S3 (TPH)	= Terphenyl-d14	(33-141)	
S4 (PHL)	= Phenol-d5	(10- 94)	
S5 (2FP)	= 2-Fluorophenol	(21-100)	
S6 (TBP)	= 2,4,6-Tribromophenol	(10-123)	
S7 (2CP)	= 2-Chlorophenol-d4	(33-110)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(16-110)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	GP10-2	50	68	69	83	51	61	35	34	0
02	SBLK08	65	78	69	68	83	82	70	63	0
03	GP30-2	59D	74D	63D	66D	82D	72D	66D	58D	0
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		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(23-120)	
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)	
S3 (TPH)	= Terphenyl-d14	(18-137)	
S4 (PHL)	= Phenol-d5	(24-113)	
S5 (2FP)	= 2-Fluorophenol	(25-121)	
S6 (TBP)	= 2,4,6-Tribromophenol	(19-122)	
S7 (2CP)	= 2-Chlorophenol-d4	(20-130)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(20-130)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM III

3 A

SOIL VOLATILE MATRIX SPIKE BLANK

Lab Name: NYTEST ENV., INC — Contract: 9723092

Lab Code: NYTEST — Case No.: 30687

Matrix Spike Sample No.: MSB — Level(low/med): low

File No.: M5083

COMPOUND	SPIKE ADDED (ug/Kg)	BLANK CONCENTRATION (ug/Kg)	MSB CONCENTRATION (ug/Kg)	MSB % REC	QC LIMITS REC.
1,1-Dichloroethene	50	0.0	48.0	96 OK	61 - 145
Trichloroethene	50	0.0	49.0	98 OK	71 - 120
Benzene	50	0.0	51.0	102 OK	76 - 127
Toluene	50	0.0	50.0	100 OK	76 - 125
Chlorobenzene	50	0.0	52.0	104 OK	75 - 130

#Column to be used to flag recovery values with an asterix

*Values outside of QC limits

Spike Recovery 0 of 5 outside QC limits

Spike Recovery and RPD Summary Report - SOIL

Method : c:\HPCHEM\1\METHODS\SOIL0213.M
Title : VOA Standards for 5 point calibration
Last Update : Mon Mar 10 10:03:59 1997
Response via : Continuing Calibration

Non-Spiked Sample: M5093.D

	Spike Sample	Spike Duplicate Sample
File ID :	M5094.D	M5095.D
Sample :	3071110,W-30.1MS,	3071110,W-30.1MSD,
Acq Time:	6 Mar 97 22:38 pm	6 Mar 97 23:07 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
C045 1,1-Dichloroeth	0.0	50	51	45	101	90	12	22	59-172
C150 Trichloroethene	0.0	50	50	41	100	81	21	24	62-137
C165 Benzene	0.0	50	54	46	108	91	17	21	66-142
C230 Toluene	0.0	50	56	45	111	91	20	21	59-139
C235 Chlorobenzene	0.0	50	55	44	111	88	22#	21	60-133

SOIL0213.M Mon Mar 10 10:10:12 1997 HPM

3 A

WATER VOLATILE MATRIX SPIKE BLANK

Lab Name: NYTEST ENV., INC — Contract: 9723092

Lab Code: NYTEST — Case No.: 30687

Matrix Spike Sample No.: MSB — File No.: P5470

COMPOUND	SPIKE ADDED (ug/L)	BLANK CONCENTRATION (ug/L)	MSB CONCENTRATION (ug/L)	MSB % REC	#	QC LIMITS REC.
1,1-Dichloroethene	50	0.0	38.0	76	OK	61 - 145
Trichloroethene	50	0.0	43.0	86	OK	71 - 120
Benzene	50	0.0	42.0	84	OK	76 - 127
Toluene	50	0.0	42.0	84	OK	76 - 125
Chlorobenzene	50	0.0	43.0	86	OK	75 - 130

#Column to be used to flag recovery values with an asterix

*Values outside of QC limits

Spike Recovery: 0 of 5 outside QC limits

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: NYTEST ENV INC Contract: 9623092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix Spike - EPA Sample No.: GP2GW

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0	35	70	61-145
Trichloroethene	50	2	51	98	71-120
Benzene	50	0	48	96	76-127
Toluene	50	1	51	100	76-125
Chlorobenzene	50	0	49	98	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	62	124	56*	14	61-145
Trichloroethene	50	58	112	13	14	71-120
Benzene	50	56	112	15*	11	76-127
Toluene	50	56	110	10	13	76-125
Chlorobenzene	50	55	110	12	13	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 2 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS:

Spike Recovery and RPD Summary Report - WATER

Method : C:\HPCHEM\1\METHODS\8270S.M
Title : 390/ASP/SW846
Last Update : Fri Mar 07 14:47:17 1997
Response via : Continuing Calibration

Non-Spiked Sample: S7423.D

Spike Sample	Spike Duplicate Sample
File ID : S7438.D	S7438.D
Sample : 30596QC, QC, MSB	30596QC, QC, MSB
Acq Time: 8 Mar 97 1:17 am	8 Mar 97 1:17 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Phenol	0.0	75	34	34	45	45	0	42	12-110
2-Chlorophenol	0.0	75	39	39	52	52	0	40	27-123
1,4-Dichlorobenzene	0.0	50	33	33	66	66	0	28	36- 97
N-Nitroso-di-n-propy	0.0	50	29	29	57	57	0	38	41-116
1,2,4-Trichlorobenze	0.0	50	32	32	64	64	0	28	39- 98
4-Chloro-3-Methylphe	0.0	75	37	37	49	49	0	42	23- 97
Acenaphthene	0.0	50	42	42	84	84	0	31	46-118
4-Nitrophenol	0.0	75	31	31	42	42	0	50	10- 80
2,4-Dinitrotoluene	0.0	50	45	45	90	90	0	38	24- 96
Pentachlorophenol	0.0	75	25	25	34	34	0	50	9-103
Pyrene	0.0	50	40	40	81	81	0	31	26-127

8270S.M Wed Mar 12 17:13:02 1997 HPPC

SBamonti
3/12/97

Spike Recovery and RPD Summary Report - SOIL

Method : C:\HPCHEM\1\METHODS\8270R.M
Title : 390/ASP/SW846
Last Update : Wed Mar 12 12:30:20 1997
Response via : Continuing Calibration

Non-Spiked Sample: R5308.D

	Spike Sample	Spike Duplicate Sample
File ID :	R5323.D	R5323.D
Sample :	30578QC, ~~QC~~, MSB1	30578QC, ~~QC~~, MSB1
Acq Time:	5 Mar 97 20:33 pm	5 Mar 97 20:33 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Phenol	0.0	75	43	43	58	58	0	35	26- 90
2-Chlorophenol	0.1	75	35	35	47	47	0	50	25-102
1,4-Dichlorobenzene	0.0	50	39	39	78	78	0	27	28-104
N-Nitroso-di-n-propy	0.1	50	43	43	86	86	0	38	41-126
1,2,4-Trichlorobenze	0.0	50	34	34	68	68	0	23	38-107
4-Chloro-3-Methylphe	0.0	75	39	39	52	52	0	33	26-103
Acenaphthene	0.0	50	42	42	84	84	0	19	31-137
4-Nitrophenol	0.0	75	45	45	60	60	0	50	11-114
2,4-Dinitrotoluene	0.0	50	42	42	85	85	0	47	28- 89
Pentachlorophenol	0.0	75	42	42	56	56	0	47	17-109
Pyrene	0.2	50	37	37	74	74	0	36	35-142

SBamonti 3/12/97

8270R.M Wed Mar 12 17:02:38 1997 HPPC

Spike Recovery and RPD Summary Report - SOIL

Method : C:\HPCHEM\1\METHODS\8270R.M
Title : 390/ASP/SW846
Last Update : Wed Mar 12 12:30:20 1997
Response via : Continuing Calibration

Non-Spiked Sample: R5313.D

	Spike Sample	Spike Duplicate Sample
File ID :	R5314.D	R5315.D
Sample :	3057815,S0600MS,	3057816,S0600MSD,
Acq Time:	5 Mar 97 15:21 pm	5 Mar 97 15:55 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Phenol	0.9	75	115	81	152#	106#	36#	35	26- 90
2-Chlorophenol	0.4	75	99	105	132#	139#	5	50	25-102
1,4-Dichlorobenzene	0.7	50	52	52	103	103	1	27	28-104
N-Nitroso-di-n-propy	0.0	50	64	58	128#	115	11	38	41-126
1,2,4-Trichlorobenze	0.1	50	19	25	38#	49	25#	23	38-107
4-Chloro-3-Methylphe	0.2	75	32	41	43	54	24	33	26-103
Acenaphthene	1.3	50	19	26	34	50	37#	19	31-137
4-Nitrophenol	0.3	75	28	36	37	48	24	50	11-114
2,4-Dinitrotoluene	0.1	50	16	21	32	42	29	47	28- 89
Pentachlorophenol	0.2	75	27	35	36	47	25	47	17-109
Pyrene	8.4	50	26	34	35	52	39#	36	35-142

8270R.M Wed Mar 12 17:01:56 1997 HPPC

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKP16

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Lab File ID: P5469.D Lab Sample ID: VBLKP16

Date Analyzed: 03/07/97 Time Analyzed: 1316

Matrix: (soil/water) WATER Level:(low/med) LOW

Instrument ID: HPP

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	MSB	MSB	P5470.D	1348
02	GP1GW	3070404	P5473.D	1523
03	GP4GW	3070405	P5474.D	1607
04	GP2GW	3070406	P5475.D	1639
05	GP2GWMS	3070406	P5476.D	1710
06	GP1GWDL	3070404	P5479.D	2030
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COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKP16

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: VBLKP16

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5469.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 03/07/97

Column: (pack/cap) CAP Dilution Factor: 1.0

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	10	U
67-64-1	Acetone	9	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
108-05-4	Vinyl Acetate	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKP16

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: VBLKP16

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5469.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 03/07/97

Column: (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKP17

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Lab File ID: P5482.D Lab Sample ID: VBLKP17

Date Analyzed: 03/08/97 Time Analyzed: 1156

Matrix: (soil/water) WATER Level:(low/med) LOW

Instrument ID: HPP

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	GP2GWMSD	3070406	P5483.D	1226
02	GP2GWDL	3070406	P5485.D	1345
03	GP4GWDL	3070405	P5486.D	1427
04				
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COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKP17

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: VBLKP17

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5482.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 03/08/97

Column: (pack/cap) CAP Dilution Factor: 1.0

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	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
108-05-4	Vinyl Acetate	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKP17

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: VBLKP17

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5482.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 03/08/97

Column: (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKP20

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Lab File ID: P5521.D Lab Sample ID: VBLKP20

Date Analyzed: 03/11/97 Time Analyzed: 1231

Matrix: (soil/water) SOIL Level: (low/med) MED

Instrument ID: HPP

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	MSB1	MSB1	P5522.D	1302
02	S-1-67DL	3070401	P5523.D	1331
03	S-1-67DLMS	3070401	P5524.D	1405
04	S-1-67DLMSD	3070401	P5525.D	1437
05				
06				
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COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKP20

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: VBLKP20

Sample wt/vol: 4.0 (g/mL) G Lab File ID: P5521.D

Level: (low/med) MED Date Received: 00/00/00

% Moisture: not dec. 0 Data Analyzed: 03/11/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1200	U
74-83-9	Bromomethane	1200	U
75-01-4	Vinyl Chloride	1200	U
75-00-3	Chloroethane	1200	U
75-09-2	Methylene Chloride	180	J
67-64-1	Acetone	1200	U
75-15-0	Carbon Disulfide	1200	U
75-35-4	1,1-Dichloroethene	1200	U
75-34-3	1,1-Dichloroethane	1200	U
540-59-0	1,2-Dichloroethene (total)	1200	U
67-66-3	Chloroform	1200	U
107-06-2	1,2-Dichloroethane	1200	U
78-93-3	2-Butanone	1200	U
71-55-6	1,1,1-Trichloroethane	1200	U
56-23-5	Carbon Tetrachloride	1200	U
75-27-4	Bromodichloromethane	1200	U
78-87-5	1,2-Dichloropropane	1200	U
10061-01-5	cis-1,3-Dichloropropene	1200	U
79-01-6	Trichloroethene	1200	U
124-48-1	Dibromochloromethane	1200	U
79-00-5	1,1,2-Trichloroethane	1200	U
71-43-2	Benzene	1200	U
10061-02-6	trans-1,3-Dichloropropene	1200	U
75-25-2	Bromoform	1200	U
108-10-1	4-Methyl-2-Pentanone	1200	U
591-78-6	2-Hexanone	1200	U
127-18-4	Tetrachloroethene	1200	U
79-34-5	1,1,2,2-Tetrachloroethane	1200	U
108-88-3	Toluene	1200	U
108-90-7	Chlorobenzene	1200	U
100-41-4	Ethylbenzene	1200	U
100-42-5	Styrene	1200	U
1330-20-7	Xylene (total)	1200	U
108-05-4	Vinyl Acetate	1200	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKP20

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: VBLKP20

Sample wt/vol: 4.0 (g/mL) G Lab File ID: P5521.D

Level: (low/med) MED Date Received: 00/00/00

% Moisture: not dec. 0 Data Analyzed: 03/11/97

Column: (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKP21

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Lab File ID: P5546.D Lab Sample ID: VBLKP21

Date Analyzed: 03/12/97 Time Analyzed: 1220

Matrix: (soil/water) SOIL Level:(low/med) MED

Instrument ID: HPP

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	GP20-2DL	3070403	P5548.D	1403
02				
03				
04				
05				
06				
07				
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COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKP21

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: VBLKP21

Sample wt/vol: 4.0 (g/mL) G Lab File ID: P5546.D

Level: (low/med) MED Date Received: 00/00/00

% Moisture: not dec. 0 Data Analyzed: 03/12/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1200	U
74-83-9	Bromomethane	1200	U
75-01-4	Vinyl Chloride	1200	U
75-00-3	Chloroethane	1200	U
75-09-2	Methylene Chloride	160	J
67-64-1	Acetone	1200	U
75-15-0	Carbon Disulfide	1200	U
75-35-4	1,1-Dichloroethene	1200	U
75-34-3	1,1-Dichloroethane	1200	U
540-59-0	1,2-Dichloroethene (total)	1200	U
67-66-3	Chloroform	1200	U
107-06-2	1,2-Dichloroethane	1200	U
78-93-3	2-Butanone	1200	U
71-55-6	1,1,1-Trichloroethane	1200	U
56-23-5	Carbon Tetrachloride	1200	U
75-27-4	Bromodichloromethane	1200	U
78-87-5	1,2-Dichloropropane	1200	U
10061-01-5	cis-1,3-Dichloropropene	1200	U
79-01-6	Trichloroethene	1200	U
124-48-1	Dibromochloromethane	1200	U
79-00-5	1,1,2-Trichloroethane	1200	U
71-43-2	Benzene	1200	U
10061-02-6	trans-1,3-Dichloropropene	1200	U
75-25-2	Bromoform	1200	U
108-10-1	4-Methyl-2-Pentanone	1200	U
591-78-6	2-Hexanone	1200	U
127-18-4	Tetrachloroethene	1200	U
79-34-5	1,1,2,2-Tetrachloroethane	1200	U
108-88-3	Toluene	1200	U
108-90-7	Chlorobenzene	1200	U
100-41-4	Ethylbenzene	1200	U
100-42-5	Styrene	1200	U
1330-20-7	Xylene (total)	1200	U
108-05-4	Vinyl Acetate	1200	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKP21

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: VBLKP21

Sample wt/vol: 4.0 (g/mL) G Lab File ID: P5546.D

Level: (low/med) MED Date Received: 00/00/00

% Moisture: not dec. 0 Data Analyzed: 03/12/97

Column: (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK06

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Lab File ID: R5411.D Lab Sample ID: SWB0307A

Date Extracted: 03/07/97 Extraction:(SepF/Cont/Sonc) SEPF

Date Analyzed: 03/10/97 Time Analyzed: 1008

Matrix: (soil/water) WATER Level:(low/med) LOW

Instrument ID: HPR

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	GP1GW	3070404	R5395.D	03/08/97
02	GP2GW	3070406	R5397.D	03/08/97
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COMMENTS:

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK06

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: SWB0307A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5411.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 0 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK06

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: SWB0307A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5411.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 0 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
100-51-6	Benzyl Alcohol	10	U
65-85-0	Benzoic Acid	50	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK06

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) WATER Lab Sample ID: SWB0307A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5411.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 0 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK08

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Lab File ID: R5415.D Lab Sample ID: SSB0306A

Date Extracted: 03/06/97 Extraction:(SepF/Cont/Sonc) SONC

Date Analyzed: 03/10/97 Time Analyzed: 1243

Matrix: (soil/water) SOIL Level:(low/med) LOW

Instrument ID: HPR

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	GP20-2	3070403	R5403.D	03/08/97
02	GP4GW	3070405	R5414.D	03/10/97
03	S-1-67	3070401	R5417.D	03/10/97
04	S-20-2	3070402	R5418.D	03/10/97
05	GP20-2RE	3070403	R5419.D	03/10/97
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COMMENTS:

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK08

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: SSB0306A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5415.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 0 dec. Date Extracted:03/06/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	1700	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	1700	U
83-32-9	Acenaphthene	330	U

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK08

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: SSB0306A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5415.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 0 dec. Date Extracted: 03/06/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1700	U
100-02-7	4-Nitrophenol	1700	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	1700	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	670	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenz(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U
100-51-6	Benzyl Alcohol	330	U
65-85-0	Benzoic Acid	1700	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK08

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Matrix: (soil/water) SOIL Lab Sample ID: SSB0306A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5415.D

Level: (low/med) LOW Date Received: 03/05/97

% Moisture: not dec. 0 dec. Date Extracted: 03/06/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM VIII

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Lab File ID (Standard): M5108.D Date Analyzed: 03/07/97

Instrument ID: HPM Time Analyzed: 1508

Matrix:(soil/water) SOIL Level:(low/med) LOW Column:(pack/cap) CAP

		IS1(BCM) AREA #	RT	IS2(DFB) AREA #	RT	IS3(CBZ) AREA #	RT
	12 HOUR STD	249421	10.39	1523576	12.16	1184959	18.77
	UPPER LIMIT	498842	10.89	3047152	12.66	2369918	19.27
	LOWER LIMIT	124710	9.89	761788	11.66	592480	18.27
	EPA SAMPLE No.						
01	VBLKM27	259686	10.39	1421372	12.14	1147676	18.76
02	S-1-67	267903	10.38	1447522	12.16	1093346	18.77
03	S-20-2	322196	10.37	1680858	12.15	1254530	18.77
04	GP20-2	273452	10.39	1370373	12.15	960758	18.76
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

UPPER LIMIT = + 100%
of internal standard area
LOWER LIMIT = - 50%
of internal standard area

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

FORM VIII VOA SW846 METHOD 8240A

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Lab File ID (Standard): P5468.D Date Analyzed: 03/07/97

Instrument ID: HPP Time Analyzed: 1236

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

		IS1(BCM) AREA #	RT	IS2(DFB) AREA #	RT	IS3(CBZ) AREA #	RT
	12 HOUR STD	133176	7.65	616430	9.08	461186	14.90
	UPPER LIMIT	266352	8.15	1232860	9.58	922372	15.40
	LOWER LIMIT	66588	7.15	308215	8.58	230593	14.40
	EPA SAMPLE No.						
01	VBLKP16	143874	7.65	679806	9.07	524539	14.90
02	MSB	140487	7.64	631899	9.08	479412	14.90
03	GP1GW	130933	7.65	587497	9.09	449430	14.91
04	GP4GW	135707	7.66	610927	9.08	455149	14.91
05	GP2GW	132930	7.65	607505	9.08	462000	14.91
06	GP2GWMS	92463	7.70	510841	9.11	389228	14.92
07	GP1GWDL	130966	7.67	620666	9.09	472779	14.91
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

UPPER LIMIT = + 100%
of internal standard area
LOWER LIMIT = - 50%
of internal standard area

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

FORM VIII VOA SW846 METHOD 8240A

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Lab File ID (Standard): P5481.D Date Analyzed: 03/08/97

Instrument ID: HPP Time Analyzed: 1117

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

		IS1(BCM) AREA #	RT	IS2(DFB) AREA #	RT	IS3(CBZ) AREA #	RT
	12 HOUR STD	134068	7.66	608269	9.08	459209	14.92
	UPPER LIMIT	268136	8.16	1216538	9.58	918418	15.42
	LOWER LIMIT	67034	7.16	304134	8.58	229604	14.42
	EPA SAMPLE No.						
01	VBLKP17	130119	7.68	640634	9.10	487154	14.93
02	GP2GWMSD	108200	7.65	496268	9.09	381275	14.93
03	GP2GWDL	132678	7.67	617280	9.09	464391	14.93
04	GP4GWDL	149451	7.66	681968	9.09	516408	14.93
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

UPPER LIMIT = + 100% of internal standard area
LOWER LIMIT = - 50% of internal standard area

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

FORM VIII VOA SW846 METHOD 8240A

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Lab File ID (Standard): P5545.D Date Analyzed: 03/12/97

Instrument ID: HPP Time Analyzed: 1139

Matrix:(soil/water) SOIL Level:(low/med) MED Column:(pack/cap) CAP

		IS1(BCM) AREA #	RT	IS2(DFB) AREA #	RT	IS3(CBZ) AREA #	RT
	12 HOUR STD	124474	7.64	579928	9.08	423839	14.91
	UPPER LIMIT	248948	8.14	1159856	9.58	847678	15.41
	LOWER LIMIT	62237	7.14	289964	8.58	211920	14.41
	EPA SAMPLE No.						
01	VBLKP21	115363	7.64	593091	9.08	439996	14.91
02	GP20-2DL	109599	7.64	530981	9.07	392907	14.91
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

UPPER LIMIT = + 100% of internal standard area
LOWER LIMIT = - 50% of internal standard area

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

FORM VIII VOA SW846 METHOD 8240A

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Lab File ID (Standard): R5388.D Date Analyzed: 03/08/97

Instrument ID: HPR Time Analyzed: 0956

		IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
	12 HOUR STD	289073	4.39	1063669	5.81	595548	8.67
	UPPER LIMIT	578146	4.89	2127338	6.31	1191096	9.17
	LOWER LIMIT	144536	3.89	531834	5.31	297774	8.17
	EPA SAMPLE No.						
01	GP1GW	362406	4.37	1119165	5.79	601237	8.65
02	GP2GW	343792	4.37	1123482	5.79	601359	8.65
03	GP20-2	655858*	4.37	2253788*	5.79	1193826*	8.66
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

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

FORM VIII SV-1 SW846 METHOD 8270A

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Lab File ID (Standard): R5388.D Date Analyzed: 03/08/97

Instrument ID: HPR Time Analyzed: 0956

		IS4(PHN) AREA #	RT	IS5(CRY) AREA #	RT	IS6(PRY) AREA #	RT
	12 HOUR STD	935035	11.53	742467	16.97	836677	20.15
	UPPER LIMIT	1870070	12.03	1484934	17.47	1673354	20.65
	LOWER LIMIT	467518	11.03	371234	16.47	418338	19.65
	EPA SAMPLE No.						
01	GP1GW	860637	11.51	781023	16.95	891824	20.15
02	GP2GW	882482	11.51	801411	16.95	931764	20.15
03	GP20-2	1701890	11.52	1458594	16.97	1764709*	20.15
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100%
of internal standard area.
AREA LOWER LIMIT = - 50%
of internal standard area.

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

FORM VIII SV-2 SW846 METHOD 8270A

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30704 SAS No.: SDG No.: 30704

Lab File ID (Standard): R5409.D Date Analyzed: 03/10/97

Instrument ID: HPR Time Analyzed: 0852

		IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
	12 HOUR STD	988372	4.39	3202653	5.83	1814997	8.69
	UPPER LIMIT	1976744	4.89	6405306	6.33	3629994	9.19
	LOWER LIMIT	494186	3.89	1601326	5.33	907498	8.19
	EPA SAMPLE No.						
01	SBLK06	866800	4.39	2672528	5.81	1410912	8.69
02	GP4GW	707594	4.39	2724856	5.81	1426375	8.67
03	SBLK08	760080	4.38	2401885	5.80	1250024	8.66
04	S-1-67	671395	4.37	2352559	5.79	1253937	8.65
05	S-20-2	654943	4.38	2329504	5.80	1293141	8.67
06	GP20-2RE	290332*	4.37	1189344*	5.81	637080*	8.67
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

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

FORM VIII SV-1 SW846 METHOD 8270A

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT
nytest environmental inc.

March 14, 1997

Dvirka & Bartilucci
330 Crossways Park Dr.
Woodbury, NY 11797

Attn : Robbin Petrella
Ref : Popular Uniform, Proj#1447
P.O. # : pending

Nytest Environmental, Inc., is pleased to submit our Project Number 9723092 for Login Number 30687, on your sample received 03/04/97.

We certify that this report is a true report of results obtained from our tests of this material.

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.

Respectfully submitted,

Lori Beyer
Laboratory Director
Nytest Environmental, Inc.

Enclosure: Summary Data Package
Shipped Via:

NYS Lab ID#10195
NJ Cert.#73469

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

Table of Contents

NYTEST ENVIRONMENTAL Inc.

SDG:

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
3068701	GP30-2	Soil
3068702	GP10-2	Soil
3068703	GP3GW	Water
3068704	TRIP	Water

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP30-2

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) SOIL Lab Sample ID: 3068701

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5416.D

Level: (low/med) LOW Date Received: 03/04/97

% Moisture: not dec. 10 dec. Date Extracted: 03/06/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	3700	U
100-02-7	4-Nitrophenol	3700	U
132-64-9	Dibenzofuran	740	U
121-14-2	2,4-Dinitrotoluene	740	U
84-66-2	Diethylphthalate	740	U
7005-72-3	4-Chlorophenyl-phenylether	740	U
86-73-7	Fluorene	740	U
100-01-6	4-Nitroaniline	3700	U
534-52-1	4,6-Dinitro-2-methylphenol	3700	U
86-30-6	N-Nitrosodiphenylamine (1)	260	J
101-55-3	4-Bromophenyl-phenylether	740	U
118-74-1	Hexachlorobenzene	740	U
87-86-5	Pentachlorophenol	3700	U
85-01-8	Phenanthrene	680	J
120-12-7	Anthracene	740	U
84-74-2	Di-n-butylphthalate	740	U
206-44-0	Fluoranthene	310	J
129-00-0	Pyrene	380	J
85-68-7	Butylbenzylphthalate	740	U
91-94-1	3,3'-Dichlorobenzidine	1500	U
56-55-3	Benzo(a)anthracene	170	J
218-01-9	Chrysene	230	J
117-81-7	bis(2-Ethylhexyl)phthalate	200	J
117-84-0	Di-n-octylphthalate	740	U
205-99-2	Benzo(b)fluoranthene	150	J
207-08-9	Benzo(k)fluoranthene	170	J
50-32-8	Benzo(a)pyrene	170	J
193-39-5	Indeno(1,2,3-cd)pyrene	120	J
53-70-3	Dibenz(a,h)anthracene	740	U
191-24-2	Benzo(g,h,i)perylene	150	J
100-51-6	Benzyl Alcohol	740	U
65-85-0	Benzoic Acid	3700	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP30-2

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) SOIL Lab Sample ID: 3068701

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5416.D

Level: (low/med) LOW Date Received: 03/04/97

% Moisture: not dec. 10 dec. Date Extracted:03/06/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 2.0

Number TICs found: 21

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALDOL	3.179	17000	AJB
2.	UNKNOWN	3.671	1400	J
3.	UNKNOWN	4.846	770	J
4.	UNKNOWN HYDROCARBON	6.531	1500	J
5.	UNKNOWN AROMATIC	6.987	950	J
6.	UNKNOWN HYDROCARBON	7.250	2200	J
7.	UNKNOWN AROMATIC	7.865	1400	J
8.	UNKNOWN AROMATIC	8.058	5800	J
9.	UNKNOWN AROMATIC	8.233	1400	J
10.	UNKNOWN HYDROCARBON	8.409	3100	J
11.	UNKNOWN AROMATIC	8.812	1000	J
12.	UNKNOWN AROMATIC	9.023	3900	J
13.	UNKNOWN AROMATIC	9.251	1500	J
14.	UNKNOWN HYDROCARBON	9.356	2600	J
15.	UNKNOWN AROMATIC	9.690	770	J
16.	UNKNOWN HYDROCARBON	10.286	1300	J
17.	UNKNOWN HYDROCARBON	11.181	1300	J
18.	UNKNOWN HYDROCARBON	11.269	1600	J
19.	UNKNOWN HYDROCARBON	12.041	1200	J
20.	UNKNOWN HYDROCARBON	12.866	1200	J
21.	UNKNOWN HYDROCARBON	13.655	1200	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP3GW

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) WATER Lab Sample ID: 3068703

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5413.D

Level: (low/med) LOW Date Received: 03/04/97

% Moisture: not dec. 0 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	12	
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	28	
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	2	J

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP3GW

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) WATER Lab Sample ID: 3068703

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5413.D

Level: (low/med) LOW Date Received: 03/04/97

% Moisture: not dec. 0 dec. Date Extracted:03/07/97

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	1	J
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	3	J
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	4	J
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	1	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
100-51-6	Benzyl Alcohol	10	U
65-85-0	Benzoic Acid	50	U

(1) - Cannot be separated from Diphenylamine

FORM IV

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKM27

Lab Name: NYTEST ENV INC Contract: 9623092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Lab File ID: M5109.D Lab Sample ID: VBLKM27

Date Analyzed: 03/07/97 Time Analyzed: 1559

Matrix: (soil/water) SOIL Level:(low/med) LOW

Instrument ID: HPM

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	GP30-2	3068701	M5110.D	1633
02	GP10-2	3068702	M5111.D	1708
03				
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COMMENTS:

FORM IV VOA SW846 METHOD 8240A

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKM27

Lab Name: NYTEST ENV INC Contract: 9623092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) SOIL Lab Sample ID: VBLKM27

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M5109.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. 0 Data Analyzed: 03/07/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	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
108-05-4	Vinyl Acetate	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKM27

Lab Name: NYTEST ENV INC Contract: 9623092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) SOIL Lab Sample ID: VBLKM27

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M5109.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. 0 Data Analyzed: 03/07/97

Column: (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKP16

Lab Name: NYTEST ENV INC Contract: 9623092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Lab File ID: P5469.D Lab Sample ID: VBLKP16

Date Analyzed: 03/07/97 Time Analyzed: 1316

Matrix: (soil/water) WATER Level:(low/med) LOW

Instrument ID: HPP

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	GP3GW	3068703	P5472.D	1452
02	GP3GWDL	3068703	P5478.D	1959
03				
04				
05				
06				
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COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKP16

Lab Name: NYTEST ENV INC Contract: 9623092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) WATER Lab Sample ID: VBLKP16

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5469.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 03/07/97

Column: (pack/cap) CAP Dilution Factor: 1.0

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	10	U
67-64-1	Acetone	9	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
108-05-4	Vinyl Acetate	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKP16

Lab Name: NYTEST ENV INC Contract: 9623092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) WATER Lab Sample ID: VBLKP16

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5469.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 03/07/97

Column: (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC	Q
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4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKP17

Lab Name: NYTEST ENV INC Contract: 9623092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Lab File ID: P5482.D Lab Sample ID: VBLKP17

Date Analyzed: 03/08/97 Time Analyzed: 1156

Matrix: (soil/water) WATER Level:(low/med) LOW

Instrument ID: HPP

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	TRIP	3068704	P5484.D	1303
02				
03				
04				
05				
06				
07				
08				
09				
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COMMENTS:

FORM IV VOA SW846 METHOD 8240A

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKP17

Lab Name: NYTEST ENV INC Contract: 9623092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) WATER Lab Sample ID: VBLKP17

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5482.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 03/08/97

Column: (pack/cap) CAP Dilution Factor: 1.0

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	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
108-05-4	Vinyl Acetate	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKP17

Lab Name: NYTEST ENV INC Contract: 9623092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) WATER Lab Sample ID: VBLKP17

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P5482.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 03/08/97

Column: (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK07

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Lab File ID: R5455.D Lab Sample ID: SWB0310A

Date Extracted: 03/10/97 Extraction:(SepF/Cont/Sonc) SEPF

Date Analyzed: 03/12/97 Time Analyzed: 1236

Matrix: (soil/water) WATER Level:(low/med) LOW

Instrument ID: HPR

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	GP3GWRE	3068703	R5456.D	03/12/97
02				
03				
04				
05				
06				
07				
08				
09				
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COMMENTS:

FORM IV SV SW846 METHOD 8270A

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK07

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) WATER Lab Sample ID: SWB0310A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5455.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. 0 dec. Date Extracted:03/10/97

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/12/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK07

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) WATER Lab Sample ID: SWB0310A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5455.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. 0 dec. Date Extracted: 03/10/97

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/12/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
100-51-6	Benzyl Alcohol	10	U
65-85-0	Benzoic Acid	50	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK07

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) WATER Lab Sample ID: SWB0310A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5455.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. 0 dec. Date Extracted: 03/10/97

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/12/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK07A

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Lab File ID: R5412.D Lab Sample ID: SWB0307B

Date Extracted: 03/07/97 Extraction:(SepF/Cont/Sonc) SEPF

Date Analyzed: 03/10/97 Time Analyzed: 1043

Matrix: (soil/water) WATER Level:(low/med) LOW

Instrument ID: HPR

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	GP3GW	3068703	R5413.D	03/10/97
02				
03				
04				
05				
06				
07				
08				
09				
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COMMENTS:

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK07A

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) WATER Lab Sample ID: SWB0307B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5412.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. 0 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK07A

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) WATER Lab Sample ID: SWB0307B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5412.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. 0 dec. Date Extracted:03/07/97

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
100-51-6	Benzyl Alcohol	10	U
65-85-0	Benzoic Acid	50	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK07A

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) WATER Lab Sample ID: SWB0307B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: R5412.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. 0 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK08

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Lab File ID: R5415.D Lab Sample ID: SSB0306A

Date Extracted: 03/06/97 Extraction:(SepF/Cont/Sonc) SONC

Date Analyzed: 03/10/97 Time Analyzed: 1243

Matrix: (soil/water) SOIL Level:(low/med) LOW

Instrument ID: HPR

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	GP10-2	3068702	R5400.D	03/08/97
02	GP30-2	3068701	R5416.D	03/10/97
03				
04				
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COMMENTS:

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK08

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) SOIL Lab Sample ID: SSB0306A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5415.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. 0 dec. Date Extracted:03/06/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	1700	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	1700	U
83-32-9	Acenaphthene	330	U

4-Methylphenol is being reported as the combination of 3 + 4 Methylphenol

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK08

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) SOIL Lab Sample ID: SSB0306A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5415.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. 0 dec. Date Extracted: 03/06/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1700	U
100-02-7	4-Nitrophenol	1700	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	1700	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	670	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenz(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U
100-51-6	Benzyl Alcohol	330	U
65-85-0	Benzoic Acid	1700	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK08

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Matrix: (soil/water) SOIL Lab Sample ID: SSB0306A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R5415.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. 0 dec. Date Extracted:03/06/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/10/97

GPC Cleanup: (Y/N) N Dilution Factor: 1.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALDOL	3.183	440	AJ
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FORM VIII

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NYTEST ENV INC Contract: 9623092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Lab File ID (Standard): M5108.D Date Analyzed: 03/07/97

Instrument ID: HPM Time Analyzed: 1508

Matrix:(soil/water) SOIL Level:(low/med) LOW Column:(pack/cap) CAP

		IS1(BCM) AREA #	RT	IS2(DFB) AREA #	RT	IS3(CBZ) AREA #	RT
	12 HOUR STD	249421	10.39	1523576	12.16	1184959	18.77
	UPPER LIMIT	498842	10.89	3047152	12.66	2369918	19.27
	LOWER LIMIT	124710	9.89	761788	11.66	592480	18.27
	EPA SAMPLE No.						
01	VBLKM27	259686	10.39	1421372	12.14	1147676	18.76
02	GP30-2	251962	10.38	1316476	12.15	961020	18.76
03	GP10-2	290220	10.38	1519837	12.15	1154908	18.76
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

UPPER LIMIT = + 100%
of internal standard area
LOWER LIMIT = - 50%
of internal standard area

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

FORM VIII VOA SW846 METHOD 8240A

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NYTEST ENV INC Contract: 9623092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Lab File ID (Standard): P5468.D Date Analyzed: 03/07/97

Instrument ID: HPP Time Analyzed: 1236

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

		IS1(BCM) AREA #	RT	IS2(DFB) AREA #	RT	IS3(CBZ) AREA #	RT
	12 HOUR STD	133176	7.65	616430	9.08	461186	14.90
	UPPER LIMIT	266352	8.15	1232860	9.58	922372	15.40
	LOWER LIMIT	66588	7.15	308215	8.58	230593	14.40
	EPA SAMPLE No.						
01	VBLKP16	143874	7.65	679806	9.07	524539	14.90
02	GP3GW	134836	7.65	610284	9.08	458725	14.90
03	GP3GWDL	103348	7.74	624393	9.15	463828	14.95
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22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

UPPER LIMIT = + 100%
of internal standard area
LOWER LIMIT = - 50%
of internal standard area

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

FORM VIII VOA SW846 METHOD 8240A

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NYTEST ENV INC Contract: 9623092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Lab File ID (Standard): P5481.D Date Analyzed: 03/08/97

Instrument ID: HPP Time Analyzed: 1117

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

		IS1(BCM) AREA #	RT	IS2(DFB) AREA #	RT	IS3(CBZ) AREA #	RT
	12 HOUR STD	134068	7.66	608269	9.08	459209	14.92
	UPPER LIMIT	268136	8.16	1216538	9.58	918418	15.42
	LOWER LIMIT	67034	7.16	304134	8.58	229604	14.42
	EPA SAMPLE No.						
01	VBLKP17	130119	7.68	640634	9.10	487154	14.93
02	TRIP	163766	7.66	744836	9.10	569008	14.92
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

UPPER LIMIT = + 100% of internal standard area
LOWER LIMIT = - 50% of internal standard area

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

FORM VIII VOA SW846 METHOD 8240A

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Lab File ID (Standard): R5388.D Date Analyzed: 03/08/97

Instrument ID: HPR Time Analyzed: 0956

		IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
	12 HOUR STD	289073	4.39	1063669	5.81	595548	8.67
	UPPER LIMIT	578146	4.89	2127338	6.31	1191096	9.17
	LOWER LIMIT	144536	3.89	531834	5.31	297774	8.17
	EPA SAMPLE No.						
01	GP10-2	361048	4.37	1152892	5.79	620266	8.65
02							
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100%
of internal standard area.
LOWER LIMIT = - 50%
of internal standard area.

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

FORM VIII SV-1 SW846 METHOD 8270A

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Lab File ID (Standard): R5388.D Date Analyzed: 03/08/97

Instrument ID: HPR Time Analyzed: 0956

		IS4 (PHN) AREA #	RT	IS5 (CRY) AREA #	RT	IS6 (PRY) AREA #	RT
	12 HOUR STD	935035	11.53	742467	16.97	836677	20.15
	UPPER LIMIT	1870070	12.03	1484934	17.47	1673354	20.65
	LOWER LIMIT	467518	11.03	371234	16.47	418338	19.65
	EPA SAMPLE No.						
01	GP10-2	901975	11.51	774190	16.95	878155	20.15
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.

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

FORM VIII SV-2 SW846 METHOD 8270A

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Lab File ID (Standard): R5409.D Date Analyzed: 03/10/97

Instrument ID: HPR Time Analyzed: 0852

		IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
	12 HOUR STD	988372	4.39	3202653	5.83	1814997	8.69
	UPPER LIMIT	1976744	4.89	6405306	6.33	3629994	9.19
	LOWER LIMIT	494186	3.89	1601326	5.33	907498	8.19
	EPA SAMPLE No.						
01	SBLK07A	672216	4.39	2604350	5.81	1369068	8.67
02	GP3GW	852926	4.39	2676445	5.81	1464221	8.69
03	SBLK08	760080	4.38	2401885	5.80	1250024	8.66
04	GP30-2	640358	4.37	2092230	5.79	1127781	8.65
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

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

FORM VIII SV-1 SW846 METHOD 8270A

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Lab File ID (Standard): R5409.D Date Analyzed: 03/10/97

Instrument ID: HPR Time Analyzed: 0852

		IS4 (PHN) AREA #	RT	IS5 (CRY) AREA #	RT	IS6 (PRY) AREA #	RT
	12 HOUR STD	2645319	11.55	1635980	17.01	1853551	20.20
	UPPER LIMIT	5290638	12.05	3271960	17.51	3707102	20.70
	LOWER LIMIT	1322660	11.05	817990	16.51	926776	19.70
	EPA SAMPLE No.						
01	SBLK07A	1933469	11.53	1685093	16.97	2001209	20.17
02	GP3GW	2011429	11.55	1605586	16.99	1875650	20.18
03	SBLK08	1749233	11.52	1480087	16.96	1768097	20.15
04	GP30-2	1548526	11.51	1363675	16.97	1678420	20.15
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.

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

FORM VIII SV-2 SW846 METHOD 8270A

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Lab File ID (Standard): R5454.D Date Analyzed: 03/12/97

Instrument ID: HPR Time Analyzed: 1143

		IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
	12 HOUR STD	882855	4.36	2663958	5.78	1453071	8.62
	UPPER LIMIT	1765710	4.86	5327916	6.28	2906142	9.12
	LOWER LIMIT	441428	3.86	1331979	5.28	726536	8.12
	EPA SAMPLE No.						
01	SBLK07	935028	4.36	3016446	5.78	1524034	8.62
02	GP3GWRE	904977	4.35	3013462	5.76	1499861	8.62
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

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

FORM VIII SV-1 SW846 METHOD 8270A

000084

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NYTEST ENV INC Contract: 9723092

Lab Code: NYTEST Case No.: 30687 SAS No.: SDG No.: 30687

Lab File ID (Standard): R5454.D Date Analyzed: 03/12/97

Instrument ID: HPR Time Analyzed: 1143

		IS4 (PHN) AREA #	RT	IS5 (CRY) AREA #	RT	IS6 (PRY) AREA #	RT
	12 HOUR STD	2106997	11.46	1553078	16.90	1870644	20.05
	UPPER LIMIT	4213994	11.96	3106156	17.40	3741288	20.55
	LOWER LIMIT	1053498	10.96	776539	16.40	935322	19.55
	EPA SAMPLE No.						
01	SBLK07	2072401	11.48	1832737	16.91	2235154	20.06
02	GP3GWRE	1973888	11.46	1619411	16.90	1699431	20.04
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.

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

FORM VIII SV-2 SW846 METHOD 8270A

NEI Report of Analysis

General Chemistry

Client Name: DVIRKA & BARTILUC
Client ID: GP1GW
Lab ID: 30762-01

Date Collected: 3/4/97
Date Received: 3/5/97
Matrix: Water
Concentration in: Wet Weight

Parameter	Reporting Limit	Units	Result	Flag	Dilution Factor	Date Prepped	Date Analyzed	Analyst Initial
Chloride	1.00	mg/L	174		1.00	3/17/97	3/17/97	HW

U: Below reporting limit
E: Above method limit
NA: Not available
NC: Not Calculable

NEI Report of Analysis

General Chemistry

Client Name: DVIRKA & BARTILUC
Client ID: GP4GW
Lab ID: 30762-02

Date Collected: 3/4/97
Date Received: 3/5/97
Matrix: Water
Concentration in: Wet Weight

Parameter	Reporting Limit	Units	Result	Flag	Dilution Factor	Date Prepped	Date Analyzed	Analyst Initial
Chloride	1.00	mg/L	237		1.00	3/17/97	3/17/97	HW

U: Below reporting limit
E: Above method limit
NA: Not available
NC: Not Calculable

NEI Report of Analysis

General Chemistry

Client Name: DVIRKA & BARTILUC
Client ID: GP2GW
Lab ID: 30762-03

Date Collected: 3/4/97
Date Received: 3/5/97
Matrix: Water
Concentration in: Wet Weight

Parameter	Reporting Limit	Units	Result	Flag	Dilution Factor	Date Prepped	Date Analyzed	Analyst Initial
Chloride	1.00	mg/L	74.5		1.00	3/17/97	3/17/97	HW

U: Below reporting limit
E: Above method limit
NA: Not available
NC: Not Calculable

NEI Report of Analysis

General Chemistry

Client Name: DVIRKA & BARTILUC
Client ID: GP1GW
Lab ID: 30775-01

Date Collected: 3/4/97
Date Received: 3/5/97
Matrix: Water
Concentration in: Wet Weight

Parameter	Reporting Limit	Units	Result	Flag	Dilution Factor	Date Prepped	Date Analyzed	Analyst Initial
Total Dissolved Solids	10.0	mg/L	861		1.00	3/13/97	3/14/97	KV

U: Below reporting limit
E: Above method limit
NA: Not available
NC: Not Calculable

NEI Report of Analysis

General Chemistry

Client Name: DVIRKA & BARTILUC
Client ID: GP4GW
Lab ID: 30775-02

Date Collected: 3/4/97
Date Received: 3/5/97
Matrix: Water
Concentration in: Wet Weight

Parameter	Reporting Limit	Units	Result	Flag	Dilution Factor	Date Prepped	Date Analyzed	Analyst Initial
Total Dissolved Solids	10.0	mg/L	1020		1.00	3/13/97	3/14/97	KV

U: Below reporting limit
E: Above method limit
NA: Not available
NC: Not Calculable

NEI Report of Analysis

General Chemistry

Client Name: DVIRKA & BARTILUC
Client ID: GP2GW
Lab ID: 30775-03

Date Collected: 3/4/97
Date Received: 3/5/97
Matrix: Water
Concentration in: Wet Weight

Parameter	Reporting Limit	Units	Result	Flag	Dilution Factor	Date Prepped	Date Analyzed	Analyst Initial
Total Dissolved Solids	10.0	mg/L	910		1.00	3/13/97	3/14/97	KV

U: Below reporting limit
E: Above method limit
NA: Not available
NC: Not Calculable

IEA
An Aquarion Company

200 Monroe Turnpike
Monroe, Connecticut 06468

Phone 203-261-4458
Fax 203-268-5346

SAMPLE DATA SUMMARY PACKAGE

CLIENT:	DVIRKA & BARTILUCCI
PROJECT ID:	POPULAR UNIFORM
SDG #:	A0478
IEA I.D.	7097-0478A

Schaumburg, Illinois 847-705-0740

N. Billerica, Massachusetts 508-667-1400

Whippany, New Jersey 201-428-8181

Cary, North Carolina 919-677-0090

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical Requirements					
		*VOA GC/MS Method #	*BNA GC/MS Method #	*VOA GC Method #	*Pest PCBs Method #	*Metals	*Other
AIR #1	970478A-01	X					

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
970478A-01	AIR	03/04/97	03/05/97	N/A	03/11/97

IEA
An Aquarion Company

200 Monroe Turnpike
Monroe, Connecticut 06468

Phone 203-261-4458
Fax 203-268-5346

7097-0478A
DVIRKA & BARTILUCCI

Case Narrative

Volatile Organics - Volatile organics were determined by purge and trap GC/MS using guidance provided in Method TO1/TO2. The instrumentation used was a Envirochem Unicon Series 810 interfaced with a Hewlett-Packard Model 5995 GC/MS/DS.

Sample Calculation:

Sample ID - AIR #1
Compound - Methylene Chloride

$$\frac{(1304700)(100)}{(14632)(1.936)(1)} = 4605 = 4600 \text{ NG.}$$

No problems were encountered.

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

Jeffrey C. Curran
Laboratory Manager

March 13, 1997
Date

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AIR #1

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 0478A SAS No.: _____ SDG No.: A0478

Matrix: AIR Lab Sample ID: 970478A-01

Sample wt/vol: 1 L Lab File ID: >A2542

Temperature: (deg K) 298 Date Received: 03/05/97

Date Analyzed: 03/11/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: NG	nL/L	Q
74-87-3	Chloromethane	20	9.7	U
74-83-9	Bromomethane	20	5.1	U
75-01-4	Vinyl Chloride	20	7.8	U
75-00-3	Chloroethane	20	7.6	U
75-09-2	Methylene Chloride	4600	1300	E
75-15-0	Carbon Disulfide	10	3.2	U
75-35-4	1,1-Dichloroethene	10	2.5	U
75-34-3	1,1-Dichloroethane	10	2.5	U
156-60-5	1,2-Dichloroethene (trans)	10	2.5	U
156-59-2	1,2-Dichloroethene (cis)	10	2.5	U
67-66-3	Chloroform	10	2	U
107-06-2	1,2-Dichloroethane	10	2.5	U
71-55-6	1,1,1-Trichloroethane	6	1	J
56-23-5	Carbon Tetrachloride	10	1.6	U
75-27-4	Bromodichloromethane	10	1.5	U
78-87-5	1,2-Dichloropropane	10	2.2	U
10061-01-5	cis-1,3-Dichloropropene	10	2.2	U
79-01-6	Trichloroethene	10	1.9	U
124-48-1	Dibromochloromethane	10	1.2	U
79-00-5	1,1,2-Trichloroethane	10	1.8	U
71-43-2	Benzene	10	3.1	U
10061-02-6	trans-1,3-Dichloropropene	10	2.2	U
75-25-2	Bromoform	10	1	U
127-18-4	Tetrachloroethene	9	1	J
79-34-5	1,1,2,2-Tetrachloroethane	10	1.4	U
108-88-3	Toluene	4	1	J
108-90-7	Chlorobenzene	10	2.2	U
100-41-4	Ethylbenzene	10	2.3	U
100-42-5	Styrene	10	2.3	U
NO CAS	m&p-Xylene	10	2.3	U
95-47-6	o-Xylene	10	2.3	U

2A
AIR VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 0478A SAS No.: _____ SDG No.: A0478

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKAB	97	82	92		0
02	AIR #1	98	112	93		0
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

		QC LIMITS
SMC1 (TOL)	= Toluene-d8	(70-130)
SMC2 (BFB)	= Bromofluorobenzene	(70-130)
SMC3 (DCE)	= 1,2-Dichloroethane-d4	(70-130)

Column to be used to flag recovery values

* Values outside of contract required QC limits

FORM II VOA-3

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKAB

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 0478A SAS No.: _____ SDG No.: A0478

Lab File ID: >A2538 Lab Sample ID: VBLKAB

Date Analyzed: 03/11/97 Time Analyzed: 1044

GC Column: 007-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5995A

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	AIR #1	970478A-01	>A2542	1412
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS: _____

FORM IV VOA

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKAB

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 0478A SAS No.: _____ SDG No.: A0478

Matrix: AIR Lab Sample ID: VBLKAB

Sample wt/vol: 1 L Lab File ID: >A2538

Temperature: (deg K) 298 Date Received: _____

Date Analyzed: 03/11/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	NG	NL/L	Q
74-87-3	Chloromethane	20	9.7	U
74-83-9	Bromomethane	20	5.1	U
75-01-4	Vinyl Chloride	20	7.8	U
75-00-3	Chloroethane	20	7.6	U
75-09-2	Methylene Chloride	10	2.9	U
75-15-0	Carbon Disulfide	10	3.2	U
75-35-4	1,1-Dichloroethene	10	2.5	U
75-34-3	1,1-Dichloroethane	10	2.5	U
156-60-5	1,2-Dichloroethene (trans)	10	2.5	U
156-59-2	1,2-Dichloroethene (cis)	10	2.5	U
67-66-3	Chloroform	10	2	U
107-06-2	1,2-Dichloroethane	10	2.5	U
71-55-6	1,1,1-Trichloroethane	10	1.8	U
56-23-5	Carbon Tetrachloride	10	1.6	U
75-27-4	Bromodichloromethane	10	1.5	U
78-87-5	1,2-Dichloropropane	10	2.2	U
10061-01-5	cis-1,3-Dichloropropene	10	2.2	U
79-01-6	Trichloroethene	10	1.9	U
124-48-1	Dibromochloromethane	10	1.2	U
79-00-5	1,1,2-Trichloroethane	10	1.8	U
71-43-2	Benzene	10	3.1	U
10061-02-6	trans-1,3-Dichloropropene	10	2.2	U
75-25-2	Bromoform	10	1	U
127-18-4	Tetrachloroethene	10	1.5	U
79-34-5	1,1,2,2-Tetrachloroethane	10	1.4	U
108-88-3	Toluene	10	2.6	U
108-90-7	Chlorobenzene	10	2.2	U
100-41-4	Ethylbenzene	10	2.3	U
100-42-5	Styrene	10	2.3	U
NO CAS	m&p-Xylene	10	2.3	U
95-47-6	o-Xylene	10	2.3	U

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: IEA/CT Contract: _____

Lab Code: IEACT Case No.: 0478A SAS No.: _____ SDG No.: A0478

Lab File ID: (Standard): >A2537 Date Analyzed:03/11/97

Instrument ID: HP5995A Time Analyzed:0939

GC Column: 007-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR STD	16333	12.33	84905	14.85	66157	21.89
	UPPER LIMIT	32666	12.83	169810	15.35	132314	22.39
	LOWER LIMIT	8166	11.83	42452	14.35	33078	21.39
	EPA SAMPLE NO.						
01	VBLKAB	15623	12.32	79057	14.86	57003	21.88
02	AIR #1	14632	12.33	74303	14.85	58074	21.89
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

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.

FORM VIII VOA