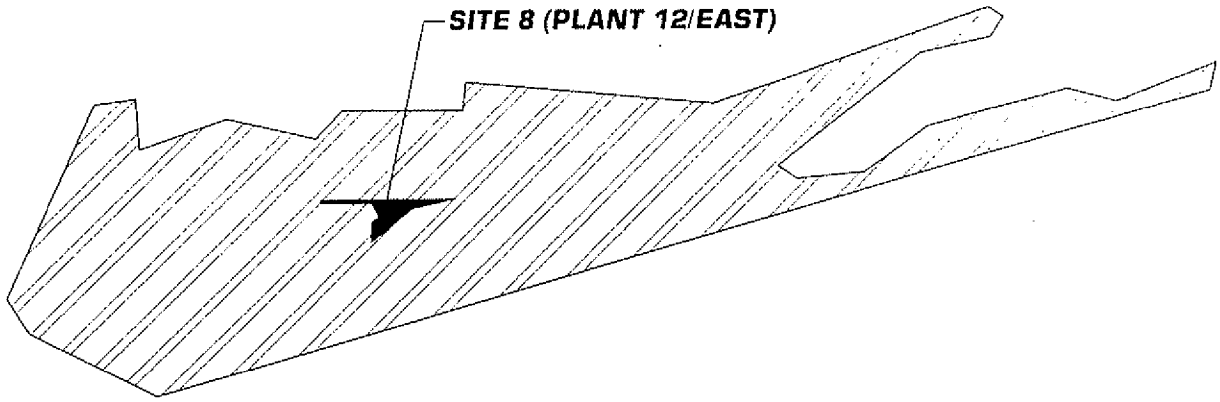
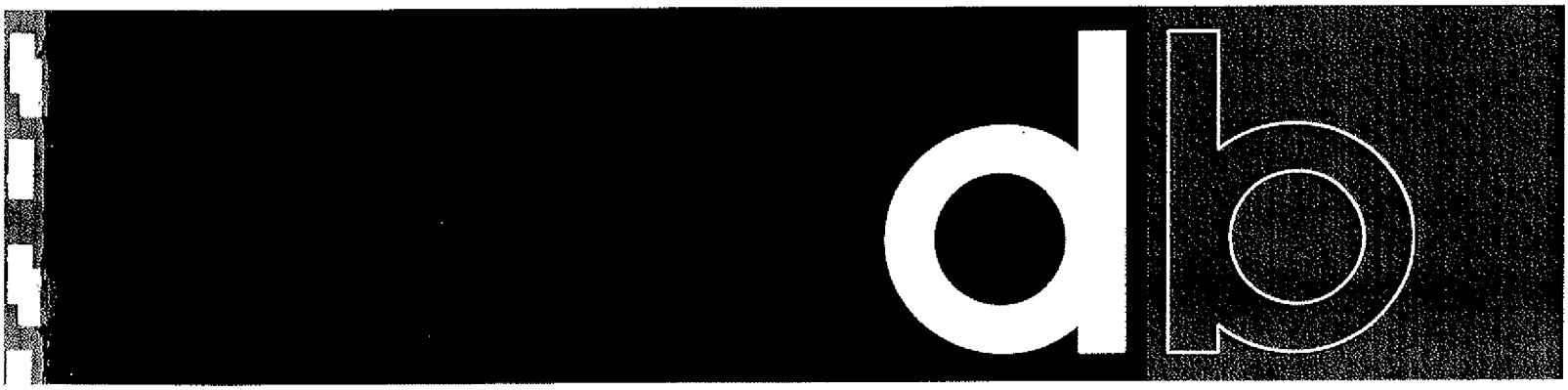
GRUMMAN AEROSPACE CORPORATION
BETHPAGE FACILITY



PHASE II SITE ASSESSMENT
SITE 8 (PLANT 12/EAST)

GRUMMAN AEROSPACE CORPORATION
HICKSVILLE, NEW YORK



Dvirka and Bartilucci
Consulting Engineers

AUGUST 1996

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

August 30, 1996

John Ohlmann, P.E.
Consultant for
Grumman Aerospace Corporation
Mail Stop: D08-001
Bethpage, NY 11714-3582

Re: Phase II Site Assessment
Site 8 (Plant 12/East)
Hicksville, New York
D&B No. 1167-SS

Dear Mr. Ohlmann:

Enclosed please find six (6) copies of the document entitled:

"Phase II Site Assessment
Site 8 (Plant 12/East)
Hicksville, New York"

If you have any questions and/or comments, please do not hesitate to contact Mr. Richard Russell or me at (516) 364-9890.

Very truly yours,

Richard M. Walka

Richard M. Walka
Vice President

RMW/cmc
cc: A. Postyn (GAC)
R. Russell (D&B)
♦1167\RMW96A-101.LTR

PHASE II SITE ASSESSMENT

GRUMMAN AEROSPACE CORPORATION

SITE 8 (PLANT 12/EAST)
HICKSVILLE, NEW YORK

PREPARED BY

DVIRKA AND BARTILUCCI
CONSULTING ENGINEERS
WOODBURY, NEW YORK

AUGUST 1996

PHASE II SITE ASSESSMENT
GRUMMAN AEROSPACE CORPORATION
SITE 8 (PLANT 12/EAST)
HICKSVILLE, NEW YORK

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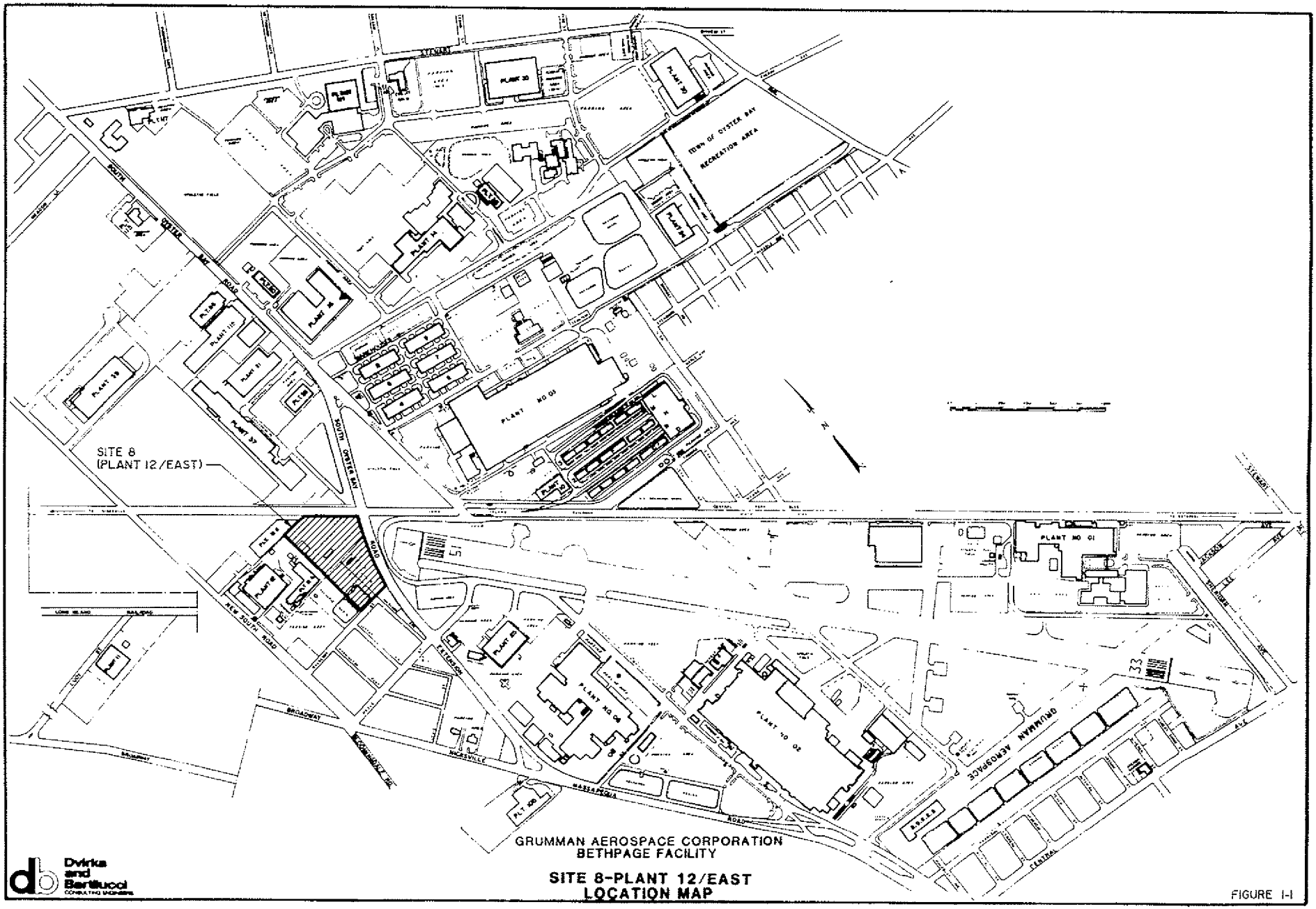
1.0 INTRODUCTION

This report presents the findings of a Phase II Site Assessment undertaken at the Grumman Aerospace Corporation (GAC) property referred to as Site 8 (Plant 12/East). The site is located to the west of the intersection of the Long Island Rail Road (LIRR) and the South Oyster Bay Road Extension in Hicksville, Town of Oyster Bay, Nassau County, New York. A site location map is presented on Figure 1-1. The site and surrounding areas are currently zoned Industrial H with the nearest residential area approximately 700 feet to the west.

The Site 8 (Plant 12/East) property comprises approximately 6.8 acres (current Tax I.D. Number: Section 46, Block 504, Lots 130 and 132), and is currently owned by GAC. A site plan is presented on Figure 1-2.

The objective of the Phase II Site Assessment is to document the investigatory activities undertaken in accordance with recommendations of the Phase I Site Assessment report, present the results obtained from the laboratory analysis of environmental samples, and provide an interpretation of analytical results with respect to appropriate environmental criteria. Section 2 of this document presents an overview of the findings, conclusions and recommendations of the Phase I Site Assessment. The procedures followed throughout the course of the Phase II field program are described in Section 3. The findings of the Phase II field program are presented in Section 4. The conclusions and recommendations of the Phase II Site Assessment are presented in Section 5.

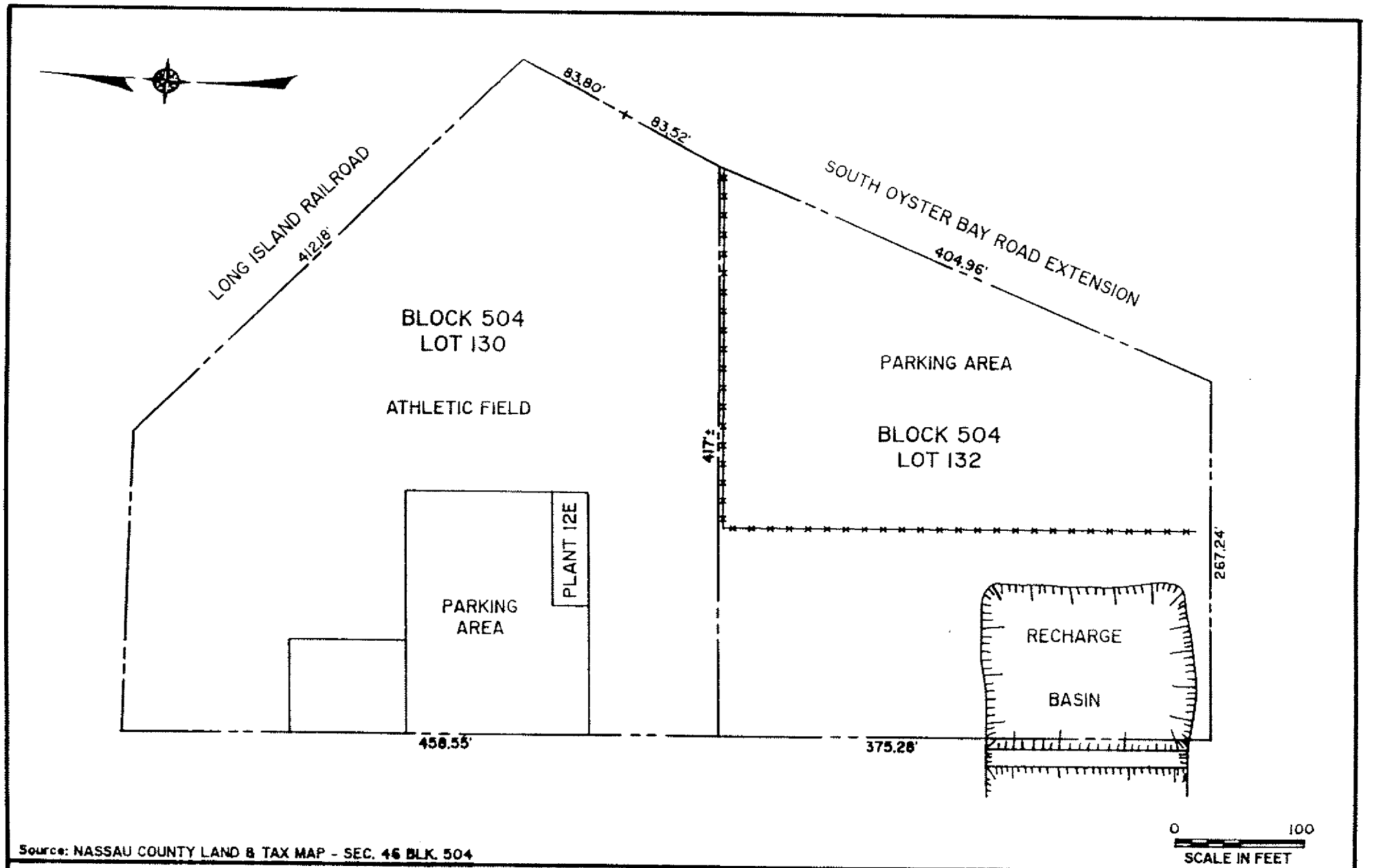


GRUMMAN AEROSPACE CORPORATION
BETHPAGE FACILITY

Dvirka and Bartilucci CONSULTING ENGINEERS

SITE 8-PLANT 12/EAST
LOCATION MAP

FIGURE 1-1



Source: NASSAU COUNTY LAND & TAX MAP - SEC. 46 BLK. 504

GRUMMAN AEROSPACE CORPORATION
BETHPAGE FACILITY
SITE 8 (PLANT 12/EAST)

SITE PLAN

Dvirka and Bartilucci CONSULTING ENGINEERS

FIGURE 1-2

2.0 PHASE I SITE ASSESSMENT - OVERVIEW

This section presents an overview of the potential areas of environmental concern identified on-site, along with the recommendations of the Phase I Site Assessment. These areas include the following:

- Adjacent Backfilled "Resin Waste Pit"
- Exterior Paint Storage Area
- "Paint Shop" (Plant 12E)
- Former Sanitary Wastewater Treatment Plant Basins
- Backfilled Recharge Basin
- Existing On-Site Recharge Basin
- Scrap Metal Storage Areas
- Groundwater Quality

2.1 Adjacent Backfilled "Resin Waste Pit"

Findings

Based upon a review of Grumman utility maps, aerial photographs and interviews with GAC personnel, a small basin was previously located adjacent to the northwestern corner of the site. This basin was apparently utilized as a "resin waste pit" by the Pittsburgh Plate Glass facility prior to GAC's acquisition of the site in 1959. This basin received discharges from Plant 12 and associated structures. Although a boring identified as S8BH-1 previously advanced on Site 8 (Plant 12/East) adjacent to the backfilled "resin waste pit" in support of the site's Delisting Petition did not reveal contamination, a soil boring identified as P12SB-3 previously advanced directly within the backfilled "resin waste pit" did reveal contamination, most notably semivolatile organic compounds (SVOCs). Soil boring P12SB-3, which was advanced in support of the Plant 12 Phase

I/Phase II Environmental Baseline Study, and was located approximately 75 feet east of the S8BH-1 soil boring location, was advanced to a depth of 32 feet below grade with the sample obtained from the 15-17 foot interval subjected to laboratory analysis. It should be noted, though, that S8BH-1 was only installed to a depth of 20 feet below grade and the sample taken from the 14-16 foot interval not analyzed for SVOCs.

Recommendations

Due to its proximity to soil boring P12SB-3, which contained SVOC contamination at 15-17 feet below grade, it was recommended that one soil boring be advanced adjacent to the location of S8BH-1 to the depth of groundwater with split spoon sampling at 5-foot intervals from 10 to 20 feet below grade, continuous split spoon sampling from the 20 to 30 foot interval and split spoon sampling at 5-foot intervals from 30 feet below grade to the groundwater interface. Based upon field instrumentation and visual observations, laboratory analysis of select samples for volatile organic compounds (VOCs) (Method 8240), semivolatile organic compounds (SVOCs) (Method 8270) and priority pollutant metals (Method 6010) was recommended.

2.2 Exterior Paint Storage Area

Findings

Paint stained asphalt was noted adjacent to the exterior paint storage area during the April 1996 site inspection. This staining was apparently caused by activities associated with prior paint storage and mixing operations conducted by GAC in this area.

Recommendations

It was recommended that one soil boring be advanced in the paint-stained asphalt to a depth of 4 feet with continuous split spoon sampling. It was also recommended that two soil

borings be advanced in the adjacent areas that receive storm water runoff from the stained asphalt area to a depth of 4 feet with continuous split spoon sampling. It was recommended that the soil samples be analyzed for VOCs (Method 8240), SVOCs (Method 8270) and priority pollutant metals (Method 6010).

2.3 "Paint Shop" (Plant 12 E)

Findings

Paint-stained grass was noted on the western side of the plant during the April 1996 site inspection. This stained grass was apparently caused by activities at the prior paint mixing and storage operations conducted by GAC in this area.

There was also an oil-stained area of soil with a noted fuel odor adjacent to the underground storage tank (UST) vent pipe on the northeastern corner of Plant 12E. This staining was apparently caused by overfilling the 1,000-gallon UST.

A floor drain in the Boiler Room at Plant 12E that was connected to a slop sink was identified during the April 1996 site inspection. Based upon interviews with GAC representatives and a review of GAC utility maps, the discharge point of this floor drain could not be determined.

Recommendations

It was recommended that the surficially stained grassed areas be removed for proper off-site transportation and disposal and that an endpoint sample be collected and analyzed for VOCs (Method 8240), SVOCs (Method 8270) and priority pollutant metals (Method 6010).

With regard to the stained soil adjacent to the UST vent pipe, it was recommended that GAC follow its standard protocol associated with investigating and remediating spills in coordination with the NYSDEC.

Due to the potential for prior releases of materials of environmental concern from the floor drain which receives discharges from the slop sink in the Boiler Room, it was recommended that an investigation be undertaken to identify the discharge location of this drain (i.e., smoke test, tone-outs, pipe "snaking," etc.).

2.4 Former Sanitary Wastewater Treatment Plant Basins

Findings

Based upon a review of Grumman utility maps, aerial photographs and interviews with GAC personnel, an extended aeration sanitary wastewater treatment plant was previously located on the paved area in the western portion of the site. Discussions with GAC personnel and a review of Grumman utility maps indicate that the wastewater treatment plant received sanitary waste from Plants 1, 2, 4, 5, 10, 12, 17 South and 25 during the 1960's until the early 1980's. According to GAC personnel the secondary wastewater treatment plant consisted of concrete aeration basins and aerobic digesters. The northernmost basins were also utilized as secondary containment for two (2) 20,000 gallon fuel oil storage tanks in the early 1970's. Although GAC representatives believe that the concrete basins were broken up and backfilled, no documentation was readily available regarding the removal of the fuel oil storage tanks and the abandonment of the concrete basins. If the structural integrity of these concrete basins and the fuel storage tanks were compromised over the course of operation of the plant, their contents could have been released to the underlying soil.

Recommendations

Due to the potential for seepage of the contents from the former sanitary wastewater treatment plant basins, it was recommended that a soil boring be advanced in the prior location of each of the three sets of basins to a depth of 10 feet below the bottom of the basin with continuous split spoon sampling. The typical depth for aeration basins and aerobic digesters, such as those formerly utilized at Site 8 (Plant 12/East), was 10 to 15 feet below grade. Accordingly, the soil borings were recommended to be advanced with continuous split spoon sampling from 10 to 26 feet below grade.

Based upon field instrumentation and visual observations, it was recommended that select samples be analyzed for VOCs (Method 8240), SVOCs (Method 8270), TPHCs (Method 418.1), a fuel fingerprint (Method 310-13) and priority pollutant metals (Method 6010).

2.5 Backfilled Recharge Basin

Findings

Based upon a review of Grumman utility maps, aerial photographs and interviews with GAC personnel, a recharge basin was previously located to the south of the former sanitary wastewater treatment plant. This recharge basin previously received discharges from the former sanitary wastewater treatment plant.

Recommendations

It was recommended that one boring be advanced at the location of the former recharge basin to the depth of the groundwater interface with split spoon sampling at 5-foot intervals. Based upon field instrumentation and visual observations, it was recommended that select soil samples from the boring be collected and analyzed for VOCs (Method 8240), SVOCs (Method 8270) and priority pollutant metals (Method 6010).

2.6 Existing On-Site Recharge Basin

Findings

An existing on-site recharge basin was noted in the southwestern corner of the site during the April 1996 site inspection. Based upon a review of Grumman utility maps and interviews with GAC personnel, this recharge basin received discharges from the former sanitary wastewater treatment plant. This existing on-site recharge basin replaced the backfilled recharge basin discussed in Section 2.5.

Although a soil boring, identified as S8BH-2, was previously advanced in this location in support of the Delisting Petition, it was not analyzed for SVOCs which were associated with prior discharges from Plant 12.

Recommendations

It was recommended that one boring be advanced in the existing on-site recharge basin to the depth of the groundwater interface with split spoon sampling at 5-foot intervals. Based upon field instrumentation and visual observations, it was recommended that select soil samples from the boring be collected and analyzed for VOCs (Method 8240), SVOCs (Method 8270) and priority pollutant metals (Method 6010).

2.7 Scrap Metal Storage Areas

Findings

Based upon the findings of the site inspections, several areas along the western portion of the property have been utilized for the storage of scrap metal.

Recommendations

Due to the potential for metal contamination of the soil from scrap metal stored on-site, it was recommended that five borings be advanced in the various scrap metal storage areas to a depth of 4 feet with continuous split spoon sampling. It was recommended that the soil samples be analyzed for priority pollutant metals (Method 6010). The analytical results of the soil borings would be used to establish a baseline with regard to any detected priority pollutant metals in shallow soils.

2.8 Groundwater Quality

Findings

The Ruco Polymer facility, located approximately 300 feet northwest of Site 8 (Plant 12/East), is an NPL site with a documented volatile and semi-volatile organic groundwater plume. Based upon a review of water table elevation maps prepared by others, dated April and August 1993, the predominant direction of groundwater flow in the vicinity of the Ruco Polymer site and Site 8 (Plant 12/East) is to the southeast. However, recharge basins and the effects of groundwater withdrawal by nearby production wells cause seasonal fluctuations in flow direction in this area. Based upon a review of the existing water table elevation maps, it appears that, on a seasonal basis, Site 8 (Plant 12/East) may be located downgradient of portions of the Ruco Polymer site. Although the downgradient groundwater sampling results previously obtained from monitoring wells on and adjacent to Site 8 (Plant 12/East) in support of the Delisting Petition revealed no exceedances of NYSDOH drinking water standards, these samples were collected approximately 3 years ago. In addition, the upgradient well for Site 8 (Plant 12/East) revealed an exceedance of the NYSDOH drinking water standard for acetone. This upgradient well is located immediately downgradient of the Ruco Polymer site. As a result, since plume migration may have occurred over the last three years, potential off-site impacts to groundwater from the Ruco Polymer site remain a potential environmental concern.

Due to the nature of prior on-site operations associated with the former sanitary wastewater treatment plant, backfilled recharge basin and existing on-site recharge basin as well as the off-site operations of the adjacent Ruco Polymer facility and the off-site operations associated with the backfilled "resin waste pit," potential impacts to groundwater were found to be a potential environmental concern.

Recommendations

It was recommended that two additional monitoring wells be installed in an effort to appropriately document upgradient and downgradient groundwater quality. It was recommended that one upgradient groundwater monitoring well be installed along the northern boundary line of the site at a sufficient distance from the backfilled "resin waste pit" to prevent any possible contaminant interference; and one upgradient groundwater monitoring well be installed immediately downgradient (southeast) of the former "resin waste pit" to determine if this area has adversely impacted groundwater on the Site 8 (Plant 12/East) property. It was recommended that the monitoring wells be 2-inch diameter, drilled to 10 feet below the groundwater interface. It was recommended that groundwater samples be collected from the two newly installed monitoring wells, as well as the two existing monitoring wells (S8MW-1 and USGS-10594), for laboratory analysis of VOCs (Method 8240), SVOCs (Method 8270) and priority pollutant metals (Method 6010).

3.0 PHASE II SITE ASSESSMENT-FIELD PROGRAM

This section describes the field activities undertaken in support of the Phase II Site Assessment.

3.1 Air Monitoring Activities

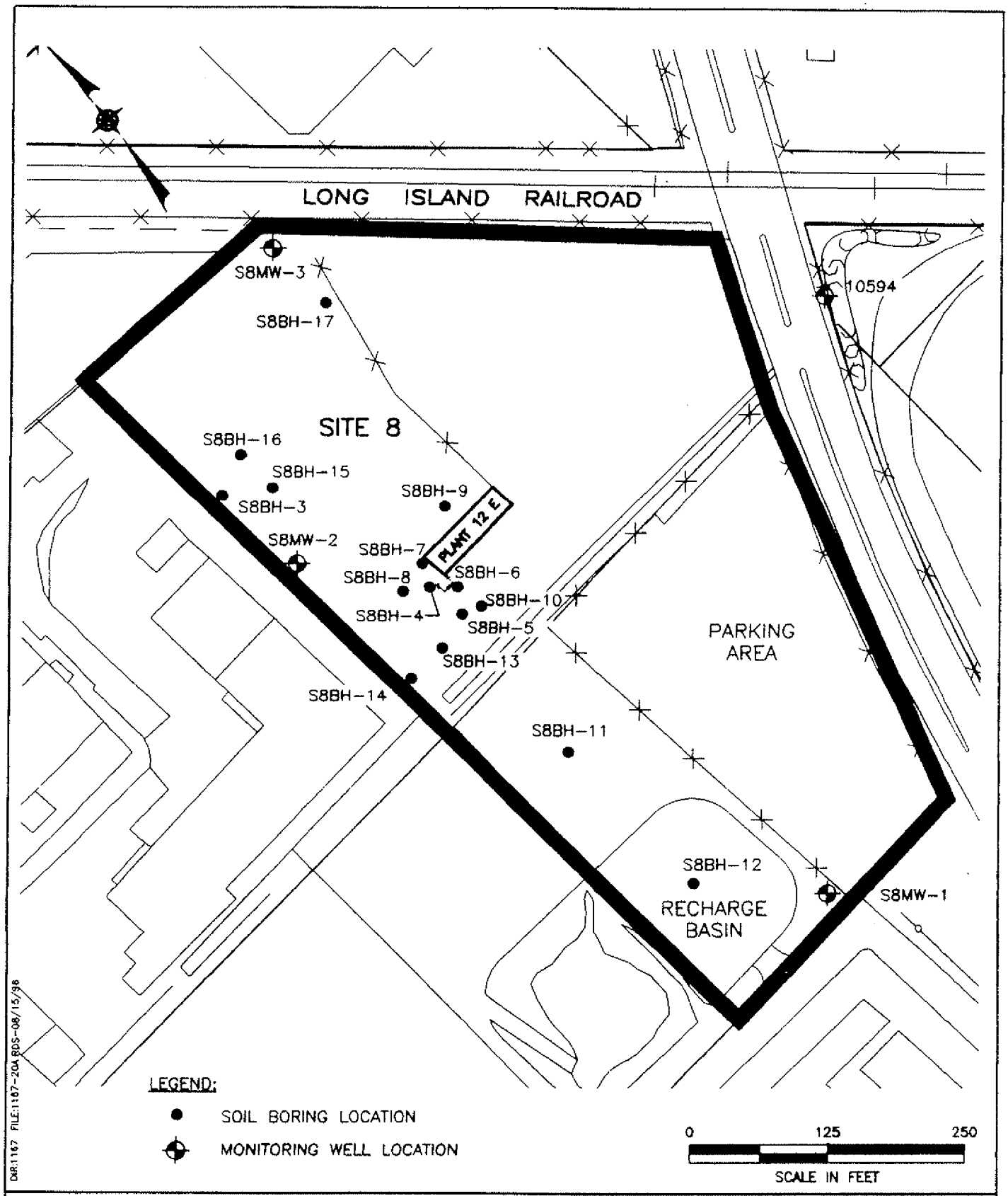
During the installation of the monitoring wells and soil borings, monitoring for volatile organic vapors in the workers' breathing zone and at the boreholes was conducted utilizing a photoionization detector (PID). Prior to use, the PID was calibrated using a 100 ppm concentration isobutylene gas. The PID was also utilized to screen the soil samples collected. Soil sample screening results are presented on Boring Logs contained in Appendix A.

3.2 Soil Sampling Program

Soil borings were installed in each of the following potential areas of environmental concern:

- Adjacent Backfilled "Resin Waste Pit"
- Exterior Paint Storage Area
- "Paint Shop" (Plant 12E)
- Former Sanitary Wastewater Treatment Plant Basins
- Backfilled Recharge Basin
- Existing On-Site Recharge Basin
- Scrap Metal Storage Areas

The soil boring and corresponding soil sampling locations in these seven areas of potential environmental concern are shown on Figure 3-1.



GRUMMAN AEROSPACE CORPORATION
BETHPAGE FACILITY
PLANT 12/EAST -- PHASE II SITE ASSESSMENT

Dvirka and Bartilucci
Consulting Engineers
A Division of William F. Cosulich Associates, P.C.

SOIL AND GROUNDWATER SAMPLING LOCATION MAP

FIGURE 3-1

All soil borings except for the boring in the existing on-site recharge basin were advanced using the hollow stem auger method of drilling with 6 1/4-inch hollow stem augers and a 2-inch diameter by 2-foot split spoon sampler. An all-terrain four wheel drive Geoprobe sampling rig was utilized to advance the boring in the existing on-site recharge basin due to physical access constraints.

Upon obtaining the soil sample, it was screened for volatile organic vapors using a PID. All soil samples were physically and visually characterized and inspected for the presence of staining or discoloration (refer to Appendix F). If necessary, based upon visual characterization and field instrumentation measurements, soil samples were collected from each soil boring sampling location for laboratory analysis.

Prior to drilling and sampling, the split spoons and augers were decontaminated with high pressure steam and air dried. The decontamination water was contained in 55-gallon drums for proper disposal.

3.2.1 Adjacent Backfilled "Resin Waste Pit"

One soil boring, S8BH-3, was advanced adjacent to the backfilled "resin waste pit" to a depth of 62 feet below grade with soil samples collected at 5-foot intervals from 10 to 20 feet, continuous soil samples collected from 20 to 30 feet and soil samples collected at 5-foot intervals from 30 to 62 feet.

Based upon visual characterization and field instrumentation measurements, three soil samples were collected from this soil boring sampling location for laboratory analysis. Each soil sample was analyzed for VOCs (Method 8240) and SVOCs (Method 8270). The analytical results of each soil sample are presented in Section 4.

3.2.2 Exterior Paint Storage Area

One soil boring, S8BH-4, was advanced in the paint-stained asphalt area to a depth of 4 feet below grade with soil samples collected at 2-foot intervals from 0 feet to 4 feet.

Two soil borings, S8BH-5 and S8BH-6, were advanced in the adjacent areas that receive storm water runoff from the paint-stained asphalt area. Soil borings S8BH-5 and S8BH-6 were installed to a depth of 4 feet below grade with soil samples collected at 2-foot intervals from 0 feet to 4 feet.

Two soil samples were collected from each soil boring sampling location for laboratory analysis. Each soil sample was analyzed for VOCs (Method 8240), SVOCs (Method 8270) and priority pollutant metals (Method 6010). The analytical results of each soil sample are presented in Section 4.

3.2.3 "Paint Shop" (Plant 12E)

One endpoint soil sample, S8BH-7, was collected from the paint-stained grassed area after removal of 0.5 feet of surface soil by GAC. The soil sample was analyzed for VOCs (Method 8240), SVOCs (Method 8270) and priority pollutant metals (Method 6010). The analytical results of the soil sample are presented in Section 4.

The following discussion is based upon interviews with representatives of GAC. The oil-stained area adjacent to the UST vent pipe is being addressed in coordination with the NYSDEC under Spill No. 96-03679. The stained soil in this area was removed to a depth of approximately four feet below grade. Based upon field instrumentation and laboratory analyses, it appears that petroleum contaminated soil exists to a depth of approximately 13 feet below grade. The remaining area of petroleum contaminated soil, as well as the underground storage tank and associated piping, will be removed in October 1996, when the adjacent Plant 12E is scheduled to undergo demolition.

Also, GAC representatives reported that an investigation was undertaken with regard to the floor drain in the Boiler Room at Plant 12E that is connected to a slop sink.

Based upon interviews with representatives of GAC, this floor drain was confirmed to be connected to the Nassau County sewer system by GAC's Facilities Department. As a result, due to the lack of an apparent sanitary leaching pool system associated with Plant 12E, it appears likely that the floor drain and slop sink in Plant 12E discharged to the former on-site sanitary wastewater treatment plant prior to connection to the Nassau County sewer system in the early 1980s. Therefore, it does not appear that further investigatory activities are warranted with regard to the slop sink and floor drain in Plant 12E, other than those discussed in Section 3.2.4 regarding the former sanitary wastewater treatment plant basins.

3.2.4 Former Sanitary Wastewater Treatment Plant Basins

Three soil borings, S8BH-8, S8BH-9 and S8BH-10, were advanced in the area of the former sanitary wastewater treatment plant basins. Soil borings S8BH-8, S8BH-9 and S8BH-10 were installed to a depth of 26 feet below grade with soil samples collected continuously from 10 feet to 26 feet.

Based upon visual characterization and field instrumentation measurements, two soil samples were collected from each soil boring sampling location for laboratory analysis. Each soil sample was analyzed for VOCs (Method 8240), SVOCs (Method 8270), priority pollutant metals (Method 6010), TPHCs (Method 418.1) and a fuel fingerprint (Method 310-13). The analytical results of each soil sample are presented in Section 4.

3.2.5 Backfilled Recharge Basin

One soil boring, S8BH-11, was advanced in the backfilled recharge basin. Soil boring S8BH-11 was installed to a depth of 62 feet below grade with soil samples collected at 5-foot intervals from 5 feet to 62 feet.

Based upon visual characterization and field instrumentation measurements, three soil samples were collected from the soil boring sampling location for laboratory analysis. Each soil sample was analyzed for VOCs (Method 8240), SVOCs (Method 8270) and priority pollutant metals (Method 6010). The analytical results of each soil sample are presented in Section 4.

3.2.6 Existing On-Site Recharge Basin

One soil boring, S8BH-12, was advanced in the existing on-site recharge basin. Soil boring S8BH-12 was installed to the groundwater interface (37 feet below the base elevation of the existing on-site recharge basin) with soil samples collected at 5-foot intervals from 5 feet to 37 feet.

Soil probe S8BH-12 was advanced with a truck mounted Earthprobe 200 Geoprobe System equipped with a 1 1/2 inch diameter by 2-foot soil probe sampler and drill rods. A 1-inch diameter clear PETG sample tube liner, dedicated to each soil probe sample, was utilized to secure the soil sample within the Geoprobe soil sampler. The soil probe was installed by hydraulically driving the soil sampler, sample tube liner and drill rods to the depth detailed above. The soil sampler was then hydraulically lifted to the surface by the Geoprobe system.

Based upon visual characterization and field instrumentation measurements, three soil samples were collected from the soil probe sampling location for laboratory analysis. Each soil sample was analyzed for VOCs (Method 8240), SVOCs (Method 8270) and priority pollutant metals (Method 6010). The analytical results of each soil sample are presented in Section 4.

3.2.7 Scrap Metal Storage Areas

Five soil borings, S8BH-13 through S8BH-17, were advanced in the various scrap metal storage areas along the western portion of the site. Soil borings S8BH-13 through S8BH-17 were installed to a depth of 4 feet below grade with soil samples collected at 2-foot intervals from 0 feet to 4 feet.

Two soil samples were collected from each soil boring sampling location for laboratory analysis. Each soil sample was analyzed for priority pollutant metals (Method 6010). The analytical results of each soil sample are presented in Section 4.

3.3 Monitoring Well Installation

Groundwater monitoring well S8MW-2 was installed along the northern boundary line of the site to document upgradient groundwater quality. This monitoring well was located at a sufficient distance from the backfilled former "resin waste pit" to prevent possible contaminant interference. In addition, another upgradient groundwater monitoring well, S8MW-3 was installed immediately downgradient (southeast) of the former "resin waste pit" to determine if this area has adversely impacted groundwater on the Site 8 (Plant 12/East) property.

Figure 3-1 shows the location of each well and Appendix B includes the Construction Logs for each monitoring well. The wells were installed in a boring advanced using the 6 1/4 inch hollow stem auger method of drilling. Well construction consisted of 2-inch ID PVC screen and casing with threaded joints. The bottom of the 0.010 inch slot screen was sealed with a threaded PVC plug.

The following summarizes the depth of the water table and screen at each installed well:

Well ID	Depth of Water Table	Depth of Screen
S8MW-2	59 feet	67.5 feet
S8MW-3	60 feet	69.5 feet

A sandpack was installed around the well screen using a tremie pipe. Above the sandpack, a minimum 2-foot thick bentonite seal was installed followed by a cement/bentonite grout for the remainder of the annulus to ground surface also using a tremie pipe. The wells were protected with a locking PVC cap and a steel flush mount vault with a bolted cover. Upon completion of well

construction, the wells were developed using a submersible pump. The wells were considered developed after pumping for 2 hours or when the discharge water measured 50 nephelometric turbidity units (NTUs) or less, whichever occurred first.

3.4 Groundwater Sampling Program

Groundwater sampling activities were conducted at the three groundwater monitoring wells located on the site, S8MW-1, S8MW-2 and S8MW-3, as well as the off-site well USGS-10594. Figure 3-1 shows the location of each monitoring well. Prior to groundwater sampling, a minimum of three times the volume of standing water in the casing and sandpack in each well was removed with a bailer. One groundwater sample was collected from each monitoring well for laboratory analysis. Each groundwater sample was analyzed for VOCs (Method 8240), SVOCs (Method 8270) and priority pollutant metals (Method 6010). The analytical results of the groundwater samples are presented in Section 4.

4.0 FINDINGS

This section presents the findings of the Phase II Site Assessment including a summary of the analytical results of the soil and groundwater samples obtained during the Phase II field program. Soil sample results are compared to the criteria derived in Appendix A of NYSDEC's Technical and Administrative Guidance Memorandum (TAGM) No. 4046, and published Eastern USA Background levels. Groundwater sample results are compared to NYSDEC Class GA groundwater standards/guidance values.

4.1 Soil Sampling Program

As previously discussed, soil borings were installed in each of the following potential areas of environmental concern:

- Adjacent Backfilled "Resin Waste Pit'
- Exterior Paint Storage Area
- "Paint Shop" (Plant 12E)
- Former Sanitary Wastewater Treatment Plant Basins
- Backfilled Recharge Basin
- Existing On-Site Recharge Basin
- Scrap Metal Storage Areas

Analytical results from soil samples collected from the above referenced soil borings are presented on Tables 4-1 through 4-19. The following presents a summary of the findings obtained from each of the above referenced sampling areas.

4.1.1 Adjacent Backfilled "Resin Waste Pit"

As previously discussed in Section 3, one soil boring, S8BH-3, was advanced adjacent to the backfilled "resin waste pit". The analytical results of the soil samples selected for laboratory analysis (based upon visual characterization and field instrumentation screening) from the above referenced soil boring are presented on Tables 4-1 and 4-2.

Volatile Organic Compounds

As indicated on Table 4-1, methylene chloride was detected in all three soil samples. However, since methylene chloride is a common laboratory contaminant and the compound was also detected in the field blank, its presence in the soil samples can be attributed to blank contamination.

Semivolatile Organic Compounds

As indicated on Table 4-2, SVOCs were not detected at concentrations above the method detection limits in the soil samples.

4.1.2 Exterior Paint Storage Area

As previously discussed in Section 3, one soil boring, S8BH-4, was advanced in the paint-stained asphalt area and two soil borings, S8BH-5 and S8BH-6, were installed in the adjacent areas that receive storm water runoff from the paint-stained asphalt area. The analytical results of the soil samples from the above referenced soil borings are presented on Tables 4-3 through 4-5.

TABLE 4-1
GRUMMAN AEROSPACE CORPORATION - SITE 8 (PLANT 12/EAST)
PHASE II SITE ASSESSMENT
BACKFILLED "RESIN WASTE PIT"
SOIL SAMPLING RESULTS
VOLATILE ORGANIC COMPOUNDS

SAMPLE LOCATION	S8BH-3	S8BH-3	S8BH-3	FB-1		
SAMPLE DEPTH	20-22 FT	28-30 FT	55-57 FT	NA	CONTRACT REQUIRED DETECTION LIMITS	NYSDEC TAGM 4046 APPENDIX A CRITERIA
DATE OF COLLECTION	6/21/96	6/21/96	6/21/96	6/21/96		
DILUTION FACTOR	1	1	1	1		
PERCENT SOLIDS	95	95	95	NA		
UNITS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/l)	(ug/kg)	(ug/kg)
Chloromethane	U	U	U	U	10	----
Bromomethane	U	U	U	U	10	----
Vinyl Chloride	U	U	U	U	10	200
Chloroethane	U	U	U	U	10	1900
Methylene Chloride	12	6 J	8 J	3 JB	10	100
Acetone	U	U	U	8 J	10	200
Carbon Disulfide	U	U	U	U	10	2700
1,1-Dichloroethene	U	U	U	U	10	400
1,1-Dichloroethane	U	U	U	U	10	200
1,2-Dichloroethene (total)	U	U	U	U	10	300
Chloroform	U	U	U	U	10	300
1,2-Dichloroethane	U	U	U	U	10	100
2-Butanone	U	U	U	U	10	300
1,1,1-Trichloroethane	U	U	U	U	10	800
Carbon Tetrachloride	U	U	U	U	10	600
Bromodichloromethane	U	U	U	U	10	----
1,2-Dichloropropane	U	U	U	U	10	----
cis-1,3-Dichloropropene	U	U	U	U	10	----
Trichloroethene	U	U	U	U	10	700
Dibromochloromethane	U	U	U	U	10	----
1,1,2-Trichloroethane	U	U	U	U	10	----
Benzene	U	U	U	U	10	60
Trans-1,3-Dichloropropene	U	U	U	U	10	----
Bromoform	U	U	U	U	10	----
4-Methyl-2-Pentanone	U	U	U	U	10	1000
2-Hexanone	U	U	U	U	10	----
Tetrachloroethene	U	U	U	U	10	1400
1,1,2,2-Tetrachloroethane	U	U	U	U	10	600
Toluene	U	U	U	U	10	1500
Chlorobenzene	U	U	U	U	10	1700
Ethylbenzene	U	U	U	U	10	5500
Styrene	U	U	U	U	10	----
Total Xylenes	U	U	U	U	10	1200
Vinyl Acetate	U	U	U	U	10	----
TOTAL VOCs	12	6	8	11		10000

QUALIFIERS
U: Compound analyzed for but not detected
B: Compound found in the blank as well as the sample
J: Compound found at a concentration below the detection limit

NOTES
----: Not established

TABLE 4-2
GRUMMAN AEROSPACE CORPORATION - SITE 8 (PLANT 12/EAST)
PHASE II SITE ASSESSMENT
BACKFILLED "RESIN WASTE PIT"
SOIL SAMPLING RESULTS
SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE LOCATION	S8BH-3	S8BH-3	S8BH-3	FB-1	CONTRACT REQUIRED DETECTION LIMITS	NYSDEC TAGM 4046 APPENDIX A CRITERIA
SAMPLE DEPTH	20-22 FT	28-30 FT	55-57 FT	NA		
DATE OF COLLECTION	6/21/96	6/21/96	6/21/96	6/21/96		
DILUTION FACTOR	1	1	1	1		
PERCENT SOLIDS	95	95	95	NA		
UNITS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/l)	(ug/kg)	(ug/kg)
Phenol	U	U	U	U	330	30 OR MDL
bis(2-Chloroethyl)ether	U	U	U	U	330	----
2-Chlorophenol	U	U	U	U	330	800
1,3-Dichlorobenzene	U	U	U	U	330	1600
1,4-Dichlorobenzene	U	U	U	U	330	8500
1,2-Dichlorobenzene	U	U	U	U	330	7900
2-Methylphenol	U	U	U	U	330	100 OR MDL
2,2'-oxybis(1-chloropropane)	U	U	U	U	330	----
4-Methylphenol	U	U	U	U	330	900
N-Nitroso-di-n-propylamine	U	U	U	U	330	----
Hexachloroethane	U	U	U	U	330	----
Nitrobenzene	U	U	U	U	330	200 OR MDL
Isophorone	U	U	U	U	330	4400
2-Nitrophenol	U	U	U	U	330	330 OR MDL
2,4-Dimethylphenol	U	U	U	U	330	----
bis(2-Chloroethoxy)methane	U	U	U	U	330	400
2,4-Dichlorophenol	U	U	U	U	330	3400
1,2,4-Trichlorobenzene	U	U	U	U	330	13000
Naphthalene	U	U	U	U	330	220 OR MDL
4-Chloroaniline	U	U	U	U	330	----
Hexachlorobutadiene	U	U	U	U	330	----
4-Chloro-3-methylphenol	U	U	U	U	330	240 OR MDL
2-Methylnaphthalene	U	U	U	U	330	36400
Hexachlorocyclopentadiene	U	U	U	U	330	----
2,4,6-Trichlorophenol	U	U	U	U	330	----
2,4,5-Trichlorophenol	U	U	U	U	800	100
2-Chloronaphthalene	U	U	U	U	330	----
2-Nitroaniline	U	U	U	U	800	430 OR MDL
Dimethylphthalate	U	U	U	U	330	2000
Acenaphthylene	U	U	U	U	330	41000
2,6-Dinitrotoluene	U	U	U	U	330	1000
3-Nitroaniline	U	U	U	U	800	500 OR MDL
Acenaphthene	U	U	U	U	330	50000
2,4-Dinitrophenol	U	U	U	U	800	200 OR MDL
4-Nitrophenol	U	U	U	U	800	100 OR MDL

TABLE 4-2
GRUMMAN AEROSPACE CORPORATION - SITE 8 (PLANT 12/EAST)
PHASE II SITE ASSESSMENT
BACKFILLED "RESIN WASTE PIT"
SOIL SAMPLING RESULTS
SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE LOCATION	S8BH-3	S8BH-3	S8BH-3	FB-1	CONTRACT REQUIRED DETECTION LIMITS	NYSDEC TAGM 4046 APPENDIX A CRITERIA
SAMPLE DEPTH	20-22 FT	28-30 FT	55-57 FT	NA		
DATE OF COLLECTION	6/21/96	6/21/96	6/21/96	6/21/96		
DILUTION FACTOR	1	1	1	1		
PERCENT SOLIDS	95	95	95	NA		
UNITS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/l)	(ug/kg)	(ug/kg)
Dibenzofuran	U	U	U	U	330	6200
2,4-Dinitrotoluene	U	U	U	U	330	----
Diethylphthalate	U	U	U	U	330	7100
4-Chlorophenyl-phenylether	U	U	U	U	330	----
Fluorene	U	U	U	U	330	50000
4-Nitroaniline	U	U	U	U	800	----
4,6-Dinitro-2-methylphenol	U	U	U	U	800	----
N-Nitrosodiphenylamine	U	U	U	U	330	----
4-Bromophenyl-phenylether	U	U	U	U	330	----
Hexachlorobenzene	U	U	U	U	330	410
Pentachlorophenol	U	U	U	U	800	1000 OR MDL
Phenanthrene	U	U	U	U	330	50000
Anthracene	U	U	U	U	330	50000
Carbazole	U	U	U	U	330	----
Di-n-butylphthalate	U	U	U	U	330	8100
Fluoranthene	U	U	U	U	330	50000
Pyrene	U	U	U	U	330	50000
Butylbenzylphthalate	U	U	U	U	330	50000
3-3'-Dichlorobenzidine	U	U	U	U	330	----
Benzo (a) anthracene	U	U	U	U	330	224 OR MDL
Chrysene	U	U	U	U	330	400
bis(2-Ethylhexyl)phthalate	U	U	U	U	330	50000
Di-n-octylphthalate	U	U	U	U	330	50000
Benzo(b)flouranthene	U	U	U	U	330	1100
Benzo(k)flouranthene	U	U	U	U	330	1100
Benzo(a)pyrene	U	U	U	U	330	61 OR MDL
Indeno(1,2,3-cd)pyrene	U	U	U	U	330	3200
Dibenz(a,h)anthracene	U	U	U	U	330	14 OR MDL
Benzo(g,h,i)perylene	U	U	U	U	330	50000
Benzyl alcohol	U	U	U	U	330	----
Benzoic acid	U	U	U	U	800	----
TOTAL SVOCs	0	0	0	0		500000

QUALIFIERS
U: Compound analyzed for but not detected

NOTES
----: Not established

TABLE 4-3
GRUMMAN AEROSPACE CORPORATION - SITE 8 (PLANT 12/EAST)
PHASE II SITE ASSESSMENT
EXTERIOR PAINT STORAGE AREA
SOIL SAMPLING RESULTS
VOLATILE ORGANIC COMPOUNDS

SAMPLE LOCATION	S8BH-4	S8BH-4	S8BH-5	S8BH-5	S8BH-6	S8BH-6	FB-2		
SAMPLE DEPTH	0-2 FT	2-4 FT	0-2 FT	2-4 FT	0-2 FT	2-4 FT	NA	CONTRACT REQUIRED DETECTION LIMITS	NYSDEC TAGM 4046 APPENDIX A CRITERIA
DATE OF COLLECTION	6/27/96	6/27/96	6/27/96	6/27/96	6/27/96	6/27/96	6/26/96		
DILUTION FACTOR	1	1	1	1	1	1	1		
PERCENT SOLIDS	93	81	93	92	90	92	NA		
UNITS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/l)	(ug/kg)	(ug/kg)
Chloromethane	U	U	U	U	U	U	U	10	----
Bromomethane	U	U	U	U	U	U	U	10	----
Vinyl Chloride	U	U	U	U	U	U	U	10	200
Chloroethane	U	U	U	U	U	U	U	10	1900
Methylene Chloride	U	U	U	U	U	U	2 J	10	100
Acetone	U	U	U	U	U	U	U	10	200
Carbon Disulfide	U	U	U	U	U	U	U	10	2700
1,1-Dichloroethene	U	U	U	U	U	U	U	10	400
1,1-Dichloroethane	U	U	U	U	U	U	U	10	200
1,2-Dichloroethene (total)	U	U	U	U	U	U	U	10	300
Chloroform	U	U	U	U	U	U	U	10	300
1,2-Dichloroethane	U	U	U	U	U	U	U	10	100
2-Butanone	U	U	U	U	U	U	U	10	300
1,1,1-Trichloroethane	U	4 J	U	U	U	U	U	10	800
Carbon Tetrachloride	U	U	U	U	U	U	U	10	600
Bromodichloromethane	U	U	U	U	U	U	U	10	----
1,2-Dichloropropane	U	U	U	U	U	U	U	10	----
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	10	----
Trichloroethene	U	U	U	U	U	U	U	10	700
Dibromochloromethane	U	U	U	U	U	U	U	10	----
1,1,2-Trichloroethane	U	U	U	U	U	U	U	10	----
Benzene	U	U	U	U	U	U	U	10	60
Trans-1,3-Dichloropropene	U	U	U	U	U	U	U	10	----
Bromoform	U	U	U	U	U	U	U	10	----
4-Methyl-2-Pentanone	U	U	U	U	U	U	U	10	1000
2-Hexanone	U	U	U	U	U	U	U	10	----
Tetrachloroethene	U	U	U	U	U	U	U	10	1400
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	10	600
Toluene	U	U	U	U	U	U	U	10	1500
Chlorobenzene	U	U	U	U	U	U	U	10	1700
Ethylbenzene	U	U	U	U	U	U	U	10	5500
Styrene	U	U	U	U	U	U	U	10	----
Total Xylenes	U	U	U	U	U	U	U	10	1200
Vinyl Acetate	U	U	U	U	U	U	U	10	----
TOTAL VOCs	0	4	0	0	0	0	2		10000

QUALIFIERS
U: Compound analyzed for but not detected
J: Compound found at a concentration below the detection limit

NOTES
----: Not established

TABLE 4-4
GRUMMAN AEROSPACE CORPORATION - SITE 8 (PLANT 12/EAST)
PHASE II SITE ASSESSMENT
EXTERIOR PAINT STORAGE AREA
SOIL SAMPLING RESULTS
SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE LOCATION	S8BH-4	S8BH-4	S8BH-5	S8BH-5	S8BH-6	S8BH-6	FB-2	CONTRACT REQUIRED DETECTION LIMITS	NYSDEC TAGM 4046 APPENDIX A CRITERIA
SAMPLE DEPTH	0-2 FT	2-4 FT	0-2 FT	2-4 FT	0-2 FT	2-4 FT	NA		
DATE OF COLLECTION	6/27/96	6/27/96	6/27/96	6/27/96	6/27/96	6/27/96	6/26/96		
DILUTION FACTOR	1	1	1	1	1	1	1		
PERCENT SOLIDS	93	81	93	92	90	92	NA		
UNITS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/l)	(ug/kg)	(ug/kg)
Phenol	U	U	U	U	U	U	U	330	30 OR MDL
bis(2-Chloroethyl)ether	U	U	U	U	U	U	U	330	----
2-Chlorophenol	U	U	U	U	U	U	U	330	800
1,3-Dichlorobenzene	U	U	U	U	U	U	U	330	1600
1,4-Dichlorobenzene	U	U	U	U	U	U	U	330	8500
1,2-Dichlorobenzene	U	U	U	U	U	U	U	330	7900
2-Methylphenol	U	U	U	U	U	U	U	330	100 OR MDL
2,2'-oxybis(1-chloropropane)	U	U	U	U	U	U	U	330	----
4-Methylphenol	U	U	U	U	U	U	U	330	900
N-Nitroso-di-n-propylamine	U	U	U	U	U	U	U	330	----
Hexachloroethane	U	U	U	U	U	U	U	330	----
Nitrobenzene	U	U	U	U	U	U	U	330	200 OR MDL
Isophorone	U	U	U	U	U	U	U	330	4400
2-Nitrophenol	U	U	U	U	U	U	U	330	330 OR MDL
2,4-Dimethylphenol	U	U	U	U	U	U	U	330	----
bis(2-Chloroethoxy)methane	U	U	U	U	U	U	U	330	400
2,4-Dichlorophenol	U	U	U	U	U	U	U	330	3400
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	330	13000
Naphthalene	U	U	U	U	U	U	U	330	220 OR MDL
4-Chloroaniline	U	U	U	U	U	U	U	330	----
Hexachlorobutadiene	U	U	U	U	U	U	U	330	----
4-Chloro-3-methylphenol	U	U	U	U	U	U	U	330	240 OR MDL
2-Methylnaphthalene	U	U	U	U	U	U	U	330	36400
Hexachlorocyclopentadiene	U	U	U	U	U	U	U	330	----
2,4,6-Trichlorophenol	U	U	U	U	U	U	U	330	----
2,4,5-Trichlorophenol	U	U	U	U	U	U	U	800	100
2-Chloronaphthalene	U	U	U	U	U	U	U	330	----
2-Nitroaniline	U	U	U	U	U	U	U	800	430 OR MDL
Dimethylphthalate	U	U	U	U	U	U	U	330	2000
Acenaphthylene	U	U	U	U	U	U	U	330	41000
2,6-Dinitrotoluene	U	U	U	U	U	U	U	330	1000
3-Nitroaniline	U	U	U	U	U	U	U	800	500 OR MDL
Acenaphthene	U	U	U	57 J	U	U	U	330	50000
2,4-Dinitrophenol	U	U	U	U	U	U	U	800	200 OR MDL
4-Nitrophenol	U	U	U	U	U	U	U	800	100 OR MDL

TABLE 4-4 (continued)
GRUMMAN AEROSPACE CORPORATION - SITE 8 (PLANT 12/EAST)
PHASE II SITE ASSESSMENT
EXTERIOR PAINT STORAGE AREA
SOIL SAMPLING RESULTS
SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE LOCATION	S8BH-4	S8BH-4	S8BH-5	S8BH-5	S8BH-6	S8BH-6	FB-2	CONTRACT REQUIRED DETECTION LIMITS	NYSDEC TAGM 4046 APPENDIX A CRITERIA
SAMPLE DEPTH	0-2 FT	2-4 FT	0-2 FT	2-4 FT	0-2 FT	2-4 FT	NA		
DATE OF COLLECTION	6/27/96	6/27/96	6/27/96	6/27/96	6/27/96	6/27/96	6/26/96		
DILUTION FACTOR	1	1	1	1	1	1	1		
PERCENT SOLIDS	93	81	93	92	90	92	NA		
UNITS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/l)	(ug/kg)	(ug/kg)
Dibenzofuran	U	U	U	U	U	U	U	330	6200
2,4-Dinitrotoluene	U	U	U	U	U	U	U	330	----
Diethylphthalate	U	U	U	U	40 J	U	U	330	7100
4-Chlorophenyl-phenylether	U	U	U	U	U	U	U	330	----
Fluorene	U	U	U	45 J	U	U	U	330	50000
4-Nitroaniline	U	U	U	U	U	U	U	800	----
4,6-Dinitro-2-methylphenol	U	U	U	U	U	U	U	800	----
N-Nitrosodiphenylamine	U	U	U	U	U	U	U	330	----
4-Bromophenyl-phenylether	U	U	U	U	U	U	U	330	----
Hexachlorobenzene	U	U	U	U	U	U	U	330	410
Pentachlorophenol	U	U	U	U	U	U	U	800	1000 OR MDL
Phenanthrene	65 J	58 J	51 J	460	92 J	110 J	U	330	50000
Anthracene	U	U	U	90 J	U	U	U	330	50000
Carbazole	U	U	U	69 J	U	U	U	330	----
Di-n-butylphthalate	450	2400	44 J	2600	71 J	U	U	330	8100
Fluoranthene	150 J	130 J	120 J	1000	220 J	230 J	U	330	50000
Pyrene	110 J	78 J	77 J	440	120 J	120 J	U	330	50000
Butylbenzylphthalate	220 J	12000 D	U	1400	800	U	U	330	50000
3-3'-Dichlorobenzidine	U	U	U	U	U	U	U	330	----
Benzo (a) anthracene	73 J	51 J	46 J	310 J	77 J	76 J	U	330	224 OR MDL
Chrysene	88 J	64 J	62 J	370	88 J	92 J	U	330	400
bis(2-Ethylhexyl)phthalate	71 J	140 J	42 J	300 J	U	39 J	U	330	50000
Di-n-octylphthalate	U	U	U	U	U	U	U	330	50000
Benzo(b)flouranthene	95 J	48 J	65 J	370	77 J	80 J	U	330	1100
Benzo(k)flouranthene	60 J	46 J	52 J	320 J	65 J	72 J	U	330	1100
Benzo(a)pyrene	88 J	62 J	58 J	330 J	83 J	84 J	U	330	61 OR MDL
Indeno(1,2,3-cd)pyrene	50 J	U	36 J	110 J	38 J	41 J	U	330	3200
Dibenz(a,h)anthracene	U	U	U	U	U	U	U	330	14 OR MDL
Benzo(g,h,i)perylene	52 J	U	U	96 J	40 J	43 J	U	330	50000
Benzyl alcohol	U	U	U	U	U	U	U	330	----
Benzoic acid	U	U	U	U	U	U	U	800	----
TOTAL SVOCs	1572	15077	653	8367	1811	987	0		500000

QUALIFIERS
U: Compound analyzed for but not detected
D: Compound analyzed at a dilution factor of 4
J: Compound found at a concentration below the detection limit

NOTES
----: Not established
Shaded: Value exceeds NYSDEC criteria

TABLE 4-5
GRUMMAN AEROSPACE CORPORATION - SITE 8 (PLANT 12/EAST)
PHASE II SITE ASSESSMENT
EXTERIOR PAINT STORAGE AREA
SOIL SAMPLING RESULTS
PRIORITY POLLUTANT METALS

SAMPLE LOCATION	S8BH-4	S8BH-4	S8BH-5	S8BH-5	S8BH-6	S8BH-6	FB-2	INSTRUMENT DETECTION LIMITS	NYSDEC TAGM 4046 APPENDIX A CRITERIA	EASTERN USA BACKGROUND
SAMPLE DEPTH	0-2 FT	2-4 FT	0-2 FT	2-4 FT	0-2 FT	2-4 FT	NA			
DATE OF COLLECTION	6/27/96	6/27/96	6/27/96	6/27/96	6/27/96	6/27/96	6/26/96			
PERCENT SOLIDS	1	1	1	1	1	1	1			
DILUTION FACTOR	93	81	93	92	90	92	NA			
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(ug/l)	(ug/l)	(mg/kg)	(mg/kg)
Antimony	0.54 B	0.73 B	0.86 B	U	U	U	6.3 B	3.9	SB	---
Arsenic	5.4	4.5	5.8	6.3	5.0	5.8	2.4 B	1.6	7.5 or SB	3 - 12*
Beryllium	U	U	0.12 B	0.06 B	0.04 B	U	U	0.1	0.16 or SB	0 - 1.75
Cadmium	1.6	1.2	0.20 B	1.5	0.15 B	0.11 B	U	0.4	1 or SB, 10***	0.1 - 1
Chromium	18.9	18.7	30.7	26.9	11.0	10.5	1.0 B	0.6	10 or SB, 50***	1.5 - 40*
Copper	45.5	51.8	49.5	31.6	24.2	12.1	U	1.3	25 or SB	1 - 50
Lead	18.0	16.1	20.2	29.0	16.2	17.0	U	1.5	SB	200 - 500**
Mercury	0.15	U	U	0.13	U	0.17	U	0.2	0.1	0.001 - 0.2
Nickel	7.2	7.7	4.3	5.7	3.6 B	4.5	U	1.2	13 or SB	0.5 - 25
Selenium	1.1	1.4	1.0	1.3	0.54	0.65	U	3.2	2 or SB	0.1 - 3.9
Silver	1.8	2.3	8.3	4.4	3.3	0.60 B	9.7 B	0.7	SB	---
Thallium	1.3	1.5	1.6	0.77 B	0.45 B	0.37 B	5.7 B	2.1	SB	---
Zinc	38.7	39.5	20.9	46.8	22.8	29.9	18.3 B	2.1	20 or SB	9 - 50

QUALIFIERS
U: Compound analyzed for but not detected
B: Compound concentration is less than the CRDL but greater than the IDL.

NOTES
----: Not established
: Value exceeds Eastern USA Backround
SB: Site Background
*: New York State Background
**: Background for metropolitan or suburban areas
***: Proposed revisions to NYSDEC criteria

Volatile Organic Compounds

As indicated on Table 4-3, the only VOC detected was 1,1,1-trichloroethane in S8BH-4 (2'-4') at a concentration of 4 ug/kg. However, the concentration detected was well below the criterion of 800 ug/kg derived in Appendix A of NYSDEC's TAGM 4046.

Semivolatile Organic Compounds

As indicated on Table 4-4, several SVOCs were detected in the six soil samples collected. However, with the exception of benzo(a)anthracene and benzo(a)pyrene, SVOCs were not detected at concentrations above the criteria derived in Appendix A of NYSDEC's TAGM 4046. It should also be noted that, although benzo(a)anthracene and benzo(a)pyrene were detected at concentrations above the criteria derived in Appendix A of NYSDEC's TAGM 4046 for these *individual* SVOC constituents, the soil samples collected from the exterior paint storage area did not exhibit concentrations of *total* SVOCs above the criterion of 500 mg/kg for *total* SVOCs established in Appendix A of NYSDEC's TAGM 4046.

Priority Pollutant Metals

The analytical results for priority pollutant metals for the exterior paint storage area soil samples are presented on Table 4-5. Six soil samples were analyzed for priority pollutant metals. As indicated on Table 4-5, several priority pollutant metals were detected in all six samples at concentrations above the existing criteria derived in Appendix A of NYSDEC's TAGM 4046. However, with the exception of cadmium, priority pollutant metals were detected at concentrations at or near eastern USA background levels. With regard to cadmium, it should be noted that concentrations of cadmium detected were below the proposed criterion of 10 mg/kg, as presented in a draft revision of NYSDEC's TAGM 4046.

4.1.3 "Paint Shop" (Plant 12E)

As previously discussed in Section 3, one endpoint soil sample, S8BH-7, was collected from the paint-stained grassed area after removal of surface soil. The analytical results of the endpoint soil sample are presented in Tables 4-6 through 4-8.

Volatile Organic Compounds

As indicated on Table 4-6, VOCs were not detected in the endpoint soil sample at concentrations above the method detection limit.

Semivolatile Organic Compounds

As indicated on Table 4-7, several SVOCs were detected in the soil sample collected. However, with the exception of benzo(a)anthracene, chrysene and benzo(a)pyrene, SVOCs were not detected at concentrations above the criteria derived in Appendix A of NYSDEC's TAGM 4046. It should also be noted that this soil sample did not exhibit concentrations of *total* SVOCs above the criterion of 500 mg/kg for *total* SVOCs established in Appendix A of NYSDEC's TAGM 4046.

Priority Pollutant Metals

As indicated on Table 4-8, chromium, mercury and zinc were detected at concentrations above the respective criteria derived in Appendix A of NYSDEC's TAGM 4046. It is important to note that the existing criterion for chromium of 10 mg/kg was utilized for comparative purposes on Table 4-8. However, as noted on Table 4-8, the proposed revision to the criterion is 50 mg/kg for chromium. If the revised numerical criterion for chromium is utilized, the analytical results for chromium are not in exceedance. In addition, it should be noted that although the levels of mercury

TABLE 4-6
GRUMMAN AEROSPACE CORPORATION - SITE 8 (PLANT 12/EAST)
PHASE II SITE ASSESSMENT
"PAINT SHOP" (PLANT 12E)
SOIL SAMPLING RESULTS
VOLATILE ORGANIC COMPOUNDS

SAMPLE LOCATION	S8BH-7	FB-2		
SAMPLE DEPTH	0-0.5 FT	NA	CONTRACT	NYSDEC
DATE OF COLLECTION	6/27/96	6/26/96	REQUIRED	TAGM 4046
DILUTION FACTOR	1	1	DETECTION	APPENDIX A
PERCENT SOLIDS	90	NA	LIMITS	CRITERIA
UNITS	(ug/kg)	(ug/l)	(ug/kg)	(ug/kg)
Chloromethane	U	U	10	----
Bromomethane	U	U	10	----
Vinyl Chloride	U	U	10	200
Chloroethane	U	U	10	1900
Methylene Chloride	U	2 J	10	100
Acetone	U	U	10	200
Carbon Disulfide	U	U	10	2700
1,1-Dichloroethene	U	U	10	400
1,1-Dichloroethane	U	U	10	200
1,2-Dichloroethene (total)	U	U	10	300
Chloroform	U	U	10	300
1,2-Dichloroethane	U	U	10	100
2-Butanone	U	U	10	300
1,1,1-Trichloroethane	U	U	10	800
Carbon Tetrachloride	U	U	10	600
Bromodichloromethane	U	U	10	----
1,2-Dichloropropane	U	U	10	----
cis-1,3-Dichloropropene	U	U	10	----
Trichloroethene	U	U	10	700
Dibromochloromethane	U	U	10	----
1,1,2-Trichloroethane	U	U	10	----
Benzene	U	U	10	60
Trans-1,3-Dichloropropene	U	U	10	----
Bromoform	U	U	10	----
4-Methyl-2-Pentanone	U	U	10	1000
2-Hexanone	U	U	10	----
Tetrachloroethene	U	U	10	1400
1,1,2,2-Tetrachloroethane	U	U	10	600
Toluene	U	U	10	1500
Chlorobenzene	U	U	10	1700
Ethylbenzene	U	U	10	5500
Styrene	U	U	10	----
Total Xylenes	U	U	10	1200
Vinyl Acetate	U	U	10	----
TOTAL VOCs	0	2		10000

QUALIFIERS
U: Compound analyzed for but not detected
J: Compound found at a concentration below the detection limit

NOTES
----: Not established

TABLE 4-7
GRUMMAN AEROSPACE CORPORATION - SITE 8 (PLANT 12/EAST)
PHASE II SITE ASSESSMENT
"PAINT SHOP" (PLANT 12E)
SOIL SAMPLING RESULTS
SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE LOCATION	S8BH-7	FB-2	CONTRACT REQUIRED DETECTION LIMITS	NYSDEC TAGM 4046 APPENDIX A CRITERIA
SAMPLE DEPTH	0-0.5 FT	NA		
DATE OF COLLECTION	6/27/96	6/26/96		
DILUTION FACTOR	1	1		
PERCENT SOLIDS	90	NA		
UNITS	(ug/kg)	(ug/l)	(ug/kg)	(ug/kg)
Phenol	U	U	330	30 OR MDL
bis(2-Chloroethyl)ether	U	U	330	----
2-Chlorophenol	U	U	330	800
1,3-Dichlorobenzene	U	U	330	1600
1,4-Dichlorobenzene	U	U	330	8500
1,2-Dichlorobenzene	U	U	330	7900
2-Methylphenol	U	U	330	100 OR MDL
2,2'-oxybis(1-chloropropane)	U	U	330	----
4-Methylphenol	U	U	330	900
N-Nitroso-di-n-propylamine	U	U	330	----
Hexachloroethane	U	U	330	----
Nitrobenzene	U	U	330	200 OR MDL
Isophorone	U	U	330	4400
2-Nitrophenol	U	U	330	330 OR MDL
2,4-Dimethylphenol	U	U	330	----
bis(2-Chloroethoxy)methane	U	U	330	400
2,4-Dichlorophenol	U	U	330	3400
1,2,4-Trichlorobenzene	U	U	330	13000
Naphthalene	76 J	U	330	220 OR MDL
4-Chloroaniline	U	U	330	----
Hexachlorobutadiene	U	U	330	----
4-Chloro-3-methylphenol	U	U	330	240 OR MDL
2-Methylnaphthalene	U	U	330	36400
Hexachlorocyclopentadiene	U	U	330	----
2,4,6-Trichlorophenol	U	U	330	----
2,4,5-Trichlorophenol	U	U	800	100
2-Chloronaphthalene	U	U	330	----
2-Nitroaniline	U	U	800	430 OR MDL
Dimethylphthalate	U	U	330	2000
Acenaphthylene	U	U	330	41000
2,6-Dinitrotoluene	U	U	330	1000
3-Nitroaniline	U	U	800	500 OR MDL
Acenaphthene	150 J	U	330	50000
2,4-Dinitrophenol	U	U	800	200 OR MDL
4-Nitrophenol	U	U	800	100 OR MDL

TABLE 4-7 (continued)
GRUMMAN AEROSPACE CORPORATION - SITE 8 (PLANT 12/EAST)
PHASE II SITE ASSESSMENT
"PAINT SHOP" (PLANT 12E)
SOIL SAMPLING RESULTS
SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE LOCATION	S8BH-7		FB-2		CONTRACT REQUIRED DETECTION LIMITS	NYSDEC TAGM 4046 APPENDIX A CRITERIA
SAMPLE DEPTH	0-0.5 FT		NA			
DATE OF COLLECTION	6/27/96		6/26/96			
DILUTION FACTOR	1		1			
PERCENT SOLIDS	90		NA			
UNITS	(ug/kg)		(ug/l)		(ug/kg)	(ug/kg)
Dibenzofuran	67	J		U	330	6200
2,4-Dinitrotoluene		U		U	330	----
Diethylphthalate		U		U	330	7100
4-Chlorophenyl-phenylether		U		U	330	----
Fluorene	120	J		U	330	50000
4-Nitroaniline		U		U	800	----
4,6-Dinitro-2-methylphenol		U		U	800	----
N-Nitrosodiphenylamine		U		U	330	----
4-Bromophenyl-phenylether		U		U	330	----
Hexachlorobenzene		U		U	330	410
Pentachlorophenol		U		U	800	1000 OR MDL
Phenanthrene	1000			U	330	50000
Anthracene	260	J		U	330	50000
Carbazole	140	J		U	330	----
Di-n-butylphthalate	290	J		U	330	8100
Fluoranthene	2100			U	330	50000
Pyrene	1000			U	330	50000
Butylbenzylphthalate	190	J		U	330	50000
3-3'-Dichlorobenzidine		U		U	330	----
Benzo (a) anthracene	800			U	330	224 OR MDL
Chrysene	980			U	330	400
bis(2-Ethylhexyl)phthalate	210	J		U	330	50000
Di-n-octylphthalate		U		U	330	50000
Benzo(b)flouranthene	900			U	330	1100
Benzo(k)flouranthene	770			U	330	1100
Benzo(a)pyrene	830			U	330	61 OR MDL
Indeno(1,2,3-cd)pyrene	300	J		U	330	3200
Dibenz(a,h)anthracene		U		U	330	14 OR MDL
Benzo(g,h,i)perylene	280	J		U	330	50000
Benzyl alcohol		U		U	330	----
Benzoic acid		U		U	800	----
TOTAL SVOCs	10463		0			500000

QUALIFIERS
U: Compound analyzed for but not detected
J: Compound found at a concentration below the detection limit

NOTES
----: Not established
: Value exceeds NYSDEC criteria

TABLE 4-8
GRUMMAN AEROSPACE CORPORATION - SITE 8 (PLANT 12/EAST)
PHASE II SITE ASSESSMENT
"PAINT SHOP" (PLANT 12E)
SOIL SAMPLING RESULTS
PRIORITY POLLUTANT METALS

SAMPLE LOCATION	S8BH-7	FB-2			
SAMPLE DEPTH	0-0.5 FT	NA	INSTRUMENT DETECTION LIMITS	NYSDEC TAGM 4046 APPENDIX A CRITERIA	EASTERN USA BACKGROUND
DATE OF COLLECTION	6/27/96	6/26/96			
PERCENT SOLIDS	1	1			
DILUTION FACTOR	90	NA			
UNITS	(mg/kg)	(ug/l)	(ug/l)	(mg/kg)	(mg/kg)
Antimony	U	6.3 B	3.9	SB	---
Arsenic	5.7	2.4 B	1.6	7.5 or SB	3 - 12*
Beryllium	0.02 B	U	0.1	0.16 or SB	0 - 1.75
Cadmium	0.70	U	0.4	1 or SB, 10***	0.1 - 1
Chromium	12.5	1.0 B	0.6	10 or SB, 50***	1.5 - 40*
Copper	24.2	U	1.3	25 or SB	1 - 50
Lead	27.2	U	1.5	SB	200 - 500**
Mercury	0.16	U	0.2	0.1	0.001 - 0.2
Nickel	6.1	U	1.2	13 or SB	0.5 - 25
Selenium	1.0	U	3.2	2 or SB	0.1 - 3.9
Silver	0.67 B	9.7 B	0.7	SB	---
Thallium	0.58 B	5.7 B	2.1	SB	---
Zinc	51.4	18.3 B	2.1	20 or SB	9 - 50

QUALIFIERS
U: Compound analyzed for but not detected
B: Compound concentration is less than the CRDL but greater than the IDL.

NOTES
----: Not established
: Value exceeds Eastern USA Backround
SB: Site Background
*: New York State Background
**: Background for metropolitan or suburban areas
***: Proposed revisions to NYSDEC criteria

and zinc in the sample were in excess of the criteria derived in Appendix A of NYSDEC's TAGM 4046, these concentrations were at or near the ranges of eastern USA background levels.

4.1.4 Former Sanitary Wastewater Treatment Plant Basins

As previously discussed in Section 3, three soil borings, S8BH-8, S8BH-9 and S8BH-10, were advanced in the area of the former sanitary wastewater treatment plant basins. The analytical results of the soil samples selected for laboratory analysis (based upon visual characterization and field instrumentation screening) from the above referenced soil borings are presented on Tables 4-9 through 4-12.

Volatile Organic Compounds

As indicated on Table 4-9, several VOCs were detected at concentrations above the method detection limits. However, no VOCs were detected at concentrations above the criteria derived in Appendix A of NYSDEC's TAGM 4046.

Semivolatile Organic Compounds

As indicated on Table 4-10, several SVOCs were detected above method detection limits in the former sanitary wastewater treatment plant basins soils samples. However, the concentrations detected were below the criteria derived in Appendix A of NYSDEC's TAGM 4046.

Total Petroleum Hydrocarbons and Fuel Fingerprint

As indicated on Table 4-11, TPHCs were detected in the soil samples at concentrations ranging from 40 mg/kg to 220 mg/kg. To determine if the TPHCs detected were attributable to fuel-related compounds, the soil samples were also analyzed for a fuel fingerprint. The analytical

TABLE 4-9
GRUMMAN AEROSPACE CORPORATION - SITE 8 (PLANT 12/EAST)
PHASE II SITE ASSESSMENT
FORMER SANITARY WASTEWATER TREATMENT PLANT BASINS
SOIL SAMPLING RESULTS
VOLATILE ORGANIC COMPOUNDS

SAMPLE LOCATION	S8BH-8	S8BH-8	S8BH-9	S8BH-9	S8BH-10	S8BH-10	FB-2	CONTRACT REQUIRED DETECTION LIMITS	NYSDEC TAGM 4046 APPENDIX A CRITERIA
SAMPLE DEPTH	14-16 FT	20-22 FT	14-16 FT	24-26 FT	12-14 FT	20-22 FT	NA		
DATE OF COLLECTION	6/26/96	6/26/96	6/27/96	6/27/96	6/25/96	6/25/96	6/26/96		
DILUTION FACTOR	1	1	1	1	1	1	1		
PERCENT SOLIDS	83	94	88	96	90	92	NA		
UNITS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/l)	(ug/kg)	(ug/kg)
Chloromethane	U	U	U	U	U	U	U	10	----
Bromomethane	U	U	U	U	U	U	U	10	----
Vinyl Chloride	U	U	U	U	U	U	U	10	200
Chloroethane	U	U	U	U	U	U	U	10	1900
Methylene Chloride	4 J	3 J	U	U	11 J	11	2 J	10	100
Acetone	U	U	U	U	U	U	U	10	200
Carbon Disulfide	U	U	U	U	U	U	U	10	2700
1,1-Dichloroethene	U	U	U	U	U	U	U	10	400
1,1-Dichloroethane	U	U	U	U	U	U	U	10	200
1,2-Dichloroethene (total)	U	U	U	U	U	U	U	10	300
Chloroform	U	U	U	U	U	U	U	10	300
1,2-Dichloroethane	U	U	U	U	U	U	U	10	100
2-Butanone	U	U	U	U	U	U	U	10	300
1,1,1-Trichloroethane	1 J	U	U	U	U	U	U	10	800
Carbon Tetrachloride	U	U	U	U	U	U	U	10	600
Bromodichloromethane	U	U	U	U	U	U	U	10	----
1,2-Dichloropropane	U	U	U	U	U	U	U	10	----
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	10	----
Trichloroethene	U	U	U	U	U	U	U	10	700
Dibromochloromethane	U	U	U	U	U	U	U	10	----
1,1,2-Trichloroethane	U	U	U	U	U	U	U	10	----
Benzene	U	U	U	U	U	U	U	10	60
Trans-1,3-Dichloropropene	U	U	U	U	U	U	U	10	----
Bromoform	U	U	U	U	U	U	U	10	----
4-Methyl-2-Pentanone	U	U	U	U	U	U	U	10	1000
2-Hexanone	U	U	U	U	U	U	U	10	----
Tetrachloroethene	2 J	9 J	U	U	11 J	U	U	10	1400
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	10	600
Toluene	U	U	U	U	U	U	U	10	1500
Chlorobenzene	U	U	U	U	U	U	U	10	1700
Ethylbenzene	U	U	U	U	U	U	U	10	5500
Styrene	U	U	U	U	U	U	U	10	----
Total Xylenes	U	U	U	U	U	U	U	10	1200
Vinyl Acetate	U	U	U	U	U	U	U	10	----
TOTAL VOCs	7	12	0	0	22	11	2		10000

QUALIFIERS
U: Compound analyzed for but not detected
J: Compound found at a concentration below the detection limit

NOTES
----: Not established

TABLE 4-10
GRUMMAN AEROSPACE CORPORATION - SITE 8 (PLANT 12/EAST)
PHASE II SITE ASSESSMENT
FORMER SANITARY WASTEWATER TREATMENT PLANT BASINS
SOIL SAMPLING RESULTS
SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE LOCATION	S8BH-8	S8BH-8	S8BH-9	S8BH-9	S8BH-10	S8BH-10	FB-2	CONTRACT REQUIRED DETECTION LIMITS	NYSDEC TAGM 4046 APPENDIX A CRITERIA
SAMPLE DEPTH	14-16 FT	20-22 FT	14-16 FT	24-26 FT	12-14 FT	20-22 FT	NA		
DATE OF COLLECTION	6/26/96	6/26/96	6/27/96	6/27/96	6/25/96	6/25/96	6/26/96		
DILUTION FACTOR	1	1	1	1	1	1	1		
PERCENT SOLIDS	83	94	88	96	90	92	NA		
UNITS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/l)	(ug/kg)	(ug/kg)
Phenol	U	U	U	U	U	U	U	330	30 OR MDL
bis(2-Chloroethyl)ether	U	U	U	U	U	U	U	330	----
2-Chlorophenol	U	U	U	U	U	U	U	330	800
1,3-Dichlorobenzene	U	U	U	U	U	U	U	330	1600
1,4-Dichlorobenzene	U	U	U	U	U	U	U	330	8500
1,2-Dichlorobenzene	U	U	U	U	U	U	U	330	7900
2-Methylphenol	U	U	U	U	U	U	U	330	100 OR MDL
2,2'-oxybis(1-chloropropane)	U	U	U	U	U	U	U	330	----
4-Methylphenol	U	U	U	U	U	U	U	330	900
N-Nitroso-di-n-propylamine	U	U	U	U	U	U	U	330	----
Hexachloroethane	U	U	U	U	U	U	U	330	----
Nitrobenzene	U	U	U	U	U	U	U	330	200 OR MDL
Isophorone	U	U	U	U	U	U	U	330	4400
2-Nitrophenol	U	U	U	U	U	U	U	330	330 OR MDL
2,4-Dimethylphenol	U	U	U	U	U	U	U	330	----
bis(2-Chloroethoxy)methane	U	U	U	U	U	U	U	330	400
2,4-Dichlorophenol	U	U	U	U	U	U	U	330	3400
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	330	13000
Naphthalene	U	U	U	U	U	U	U	330	220 OR MDL
4-Chloroaniline	U	U	U	U	U	U	U	330	----
Hexachlorobutadiene	U	U	U	U	U	U	U	330	----
4-Chloro-3-methylphenol	U	U	U	U	U	U	U	330	240 OR MDL
2-Methylnaphthalene	U	U	U	U	U	U	U	330	36400
Hexachlorocyclopentadiene	U	U	U	U	U	U	U	330	----
2,4,6-Trichlorophenol	U	U	U	U	U	U	U	330	----
2,4,5-Trichlorophenol	U	U	U	U	U	U	U	800	100
2-Chloronaphthalene	U	U	U	U	U	U	U	330	----
2-Nitroaniline	U	U	U	U	U	U	U	800	430 OR MDL
Dimethylphthalate	U	U	U	U	U	U	U	330	2000
Acenaphthylene	U	U	U	U	U	U	U	330	41000
2,6-Dinitrotoluene	U	U	U	U	U	U	U	330	1000
3-Nitroaniline	U	U	U	U	U	U	U	800	500 OR MDL
Acenaphthene	U	U	U	U	U	U	U	330	50000
2,4-Dinitrophenol	U	U	U	U	U	U	U	800	200 OR MDL
4-Nitrophenol	U	U	U	U	U	U	U	800	100 OR MDL

TABLE 4-10 (continued)
GRUMMAN AEROSPACE CORPORATION - SITE 8 (PLANT 12/EAST)
PHASE II SITE ASSESSMENT
FORMER SANITARY WASTEWATER TREATMENT PLANT BASINS
SOIL SAMPLING RESULTS
SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE LOCATION	S8BH-8	S8BH-8	S8BH-9	S8BH-9	S8BH-10	S8BH-10	FB-2	CONTRACT REQUIRED DETECTION LIMITS	NYSDEC TAGM 4046 APPENDIX A CRITERIA
SAMPLE DEPTH	14-16 FT	20-22 FT	14-16 FT	24-26 FT	12-14 FT	20-22 FT	NA		
DATE OF COLLECTION	6/26/96	6/26/96	6/27/96	6/27/96	6/25/96	6/25/96	6/26/96		
DILUTION FACTOR	1	1	1	1	1	1	1		
PERCENT SOLIDS	83	94	88	96	90	92	NA		
UNITS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/l)	(ug/kg)	(ug/kg)
Dibenzofuran	U	U	U	U	U	U	U	330	6200
2,4-Dinitrotoluene	U	U	U	U	U	U	U	330	----
Diethylphthalate	U	U	U	U	U	U	U	330	7100
4-Chlorophenyl-phenylether	U	U	U	U	U	U	U	330	----
Fluorene	U	U	U	U	U	U	U	330	50000
4-Nitroaniline	U	U	U	U	U	U	U	800	----
4,6-Dinitro-2-methylphenol	U	U	U	U	U	U	U	800	----
N-Nitrosodiphenylamine	U	U	U	U	U	U	U	330	----
4-Bromophenyl-phenylether	U	U	U	U	U	U	U	330	----
Hexachlorobenzene	U	U	U	U	U	U	U	330	410
Pentachlorophenol	U	U	U	U	U	U	U	800	1000 OR MDL
Phenanthrene	U	U	U	U	U	U	U	330	50000
Anthracene	U	U	U	U	U	U	U	330	50000
Carbazole	U	U	U	U	U	U	U	330	----
Di-n-butylphthalate	650	520	120 J	U	440	57 J	U	330	8100
Fluoranthene	U	U	U	U	U	U	U	330	50000
Pyrene	U	U	U	U	U	U	U	330	50000
Butylbenzylphthalate	110 J	U	U	U	U	U	U	330	50000
3-3'-Dichlorobenzidine	U	U	U	U	U	U	U	330	----
Benzo (a) anthracene	U	U	U	U	U	U	U	330	224 OR MDL
Chrysene	U	U	U	U	U	U	U	330	400
bis(2-Ethylhexyl)phthalate	740	370	38 J	U	U	U	U	330	50000
Di-n-octylphthalate	U	U	U	U	U	U	U	330	50000
Benzo(b)flouranthene	U	U	U	U	U	U	U	330	1100
Benzo(k)flouranthene	U	U	U	U	U	U	U	330	1100
Benzo(a)pyrene	U	U	U	U	U	U	U	330	61 OR MDL
Indeno(1,2,3-cd)pyrene	U	U	U	U	U	U	U	330	3200
Dibenz(a,h)anthracene	U	U	U	U	U	U	U	330	14 OR MDL
Benzo(g,h,i)perylene	U	U	U	U	U	U	U	330	50000
Benzyl alcohol	U	U	U	U	U	U	U	330	----
Benzoic acid	U	U	U	U	U	U	U	800	----
TOTAL SVOCs	1500	890	158	0	440	57	0		500000

QUALIFIERS
U: Compound analyzed for but not detected
D: Compound analyzed at a dilution factor of 4
J: Compound found at a concentration below the detection limit

NOTES
----: Not established

TABLE 4-11
GRUMMAN AEROSPACE CORPORATION - SITE 8 (PLANT 12/EAST)
PHASE II SITE ASSESSMENT
FORMER SANITARY WASTEWATER TREATMENT PLANT BASINS
SOIL SAMPLING RESULTS
TOTAL PETROLEUM HYDROCARBONS AND FUEL FINGERPRINT

SAMPLE LOCATION	S8BH-8	S8BH-8	S8BH-9	S8BH-9	S8BH-10	S8BH-10	FB-2
SAMPLE DEPTH	14-16 FT	20-22 FT	14-16 FT	24-26 FT	12-14 FT	20-22 FT	NA
DATE OF COLLECTION	6/26/96	6/26/96	6/27/96	6/27/96	6/25/96	6/25/96	6/26/96
PERCENT SOLIDS	1	1	1	1	1	1	1
DILUTION FACTOR	83	94	88	96	90	92	NA
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(ug/l)
Total Petroleum Hydrocarbons	220	65	40	50	98	95	U
Gasoline	U	U	U	U	U	U	U
TPH (as Gasoline)	U	U	U	U	U	U	U
Kerosene	U	U	U	U	U	U	U
TPH (as Kerosene)	U	U	U	U	U	U	U
#2 Fuel Oil	U	U	U	U	U	U	U
TPH(as #2 Fuel Oil)	U	U	U	U	U	U	U
#6 Fuel Oil	U	U	U	U	U	U	U
TPH(as #6 Fuel Oil)	U	U	U	U	U	U	U
Lubricating Oil	U	U	U	U	U	U	U
TPH (as Lubricating Oil)	U	U	U	U	U	U	U
TPH (as Jet Fuel)	U	U	U	U	U	U	U
TPH (as Hydraulic Oil)	U	U	U	U	U	U	U
TPH(as 10W40 Motor Oil)	U	U	U	U	U	U	U

QUALIFIERS
U: Compound analyzed for but not detected

results on Table 4-11 indicate that fuel-related constituents were not detected. As a result, it appears that the detected levels of TPHCs are not associated with any prior fuel-related releases.

Priority Pollutant Metals

As indicated on Table 4-12, several priority pollutant metals were detected at concentrations above the criteria derived in Appendix A of NYSDEC's TAGM 4046. However, with the exception of cadmium, the priority pollutant metals were detected at concentrations at or near eastern USA background levels. With regard to cadmium, it should be noted that the concentrations of cadmium detected were below the proposed revised criterion of 10 mg/kg.

4.1.5 Backfilled Recharge Basin

As previously discussed in Section 3, one soil boring, S8BH-11, was installed in the area of the backfilled recharge basin. The analytical results of the soil samples selected for laboratory analysis (based upon visual characterization and field instrumentation screening) from the above referenced soil boring are presented on Tables 4-13 through 4-15.

Volatile Organic Compounds

As indicated on Table 4-13, methylene chloride was detected in all of the soil samples. However, since methylene chloride is a common laboratory contaminant and it was also detected in the field blank and method blank, its presence in the soil samples can be attributed to laboratory contamination.

Semivolatile Organic Compounds

As indicated on Table 4-14, several SVOCs were detected in the soil samples. However, with the exception of benzo(a)anthracene, chrysene and benzo(a)pyrene, individual SVOCs were not detected at concentrations above the criteria derived in Appendix A of NYSDEC's TAGM

TABLE 4-12
GRUMMAN AEROSPACE CORPORATION - SITE 8 (PLANT 12/EAST)
PHASE II SITE ASSESSMENT
FORMER SANITARY WASTEWATER TREATMENT PLANT BASINS
SOIL SAMPLING RESULTS
PRIORITY POLLUTANT METALS

SAMPLE LOCATION	S8BH-8	S8BH-8	S8BH-9	S8BH-9	S8BH-10	S8BH-10	FB-2	INSTRUMENT DETECTION LIMITS	NYSDEC TAGM 4046 APPENDIX A CRITERIA	EASTERN USA BACKGROUND
SAMPLE DEPTH	14-16 FT	20-22 FT	14-16 FT	24-26 FT	12-14 FT	20-22 FT	NA			
DATE OF COLLECTION	6/26/96	6/26/96	6/27/96	6/27/96	6/25/96	6/25/96	6/26/96			
PERCENT SOLIDS	1	1	1	1	1	1	1			
DILUTION FACTOR	83	94	88	96	90	92	NA			
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(ug/l)	(ug/l)	(mg/kg)	(mg/kg)
Antimony	U	U	U	0.40 B	U	U	6.3 B	3.9	SB	---
Arsenic	1.7	0.79 B	0.91 B	1.8	1.0 B	0.60 B	2.4 B	1.6	7.5 or SB	3 - 12*
Beryllium	0.02 B	0.06 B	0.37 B	0.04 B	0.08 B	0.02 B	U	0.1	0.16 or SB	0 - 1.75
Cadmium	1.8	U	0.17 B	U	U	U	U	0.4	1 or SB, 10***	0.1 - 1
Chromium	10.2	2.9	3.8	13.3	3.1	2.4	1.0 B	0.6	10 or SB, 50***	1.5 - 40*
Copper	10.1	1.9 B	2.9	2.5 B	3.3	1.6 B	U	1.3	25 or SB	1 - 50
Lead	5.3	2.9	2.8	2.4	1.6	0.83	U	1.5	SB	200 - 500**
Mercury	U	U	0.21	U	U	U	U	0.2	0.1	0.001 - 0.2
Nickel	3.3 B	1.4 B	1.9 B	2.5 B	2.1 B	1.4 B	U	1.2	13 or SB	0.5 - 25
Selenium	U	U	0.93	0.61	0.65	U	U	3.2	2 or SB	0.1 - 3.9
Silver	U	U	0.35 B	U	U	U	9.7 B	0.7	SB	---
Thallium	1.4	1.2	1.5	U	U	U	5.7 B	2.1	SB	---
Zinc	11.2	4.7	8.4	8.0	6.8	4.7	18.3 B	2.1	20 or SB	9 - 50

QUALIFIERS
U: Compound analyzed for but not detected
B: Compound concentration is less than the CRDL but greater than the IDL.

NOTES
---: Not established
: Value exceeds Eastern USA Backround
SB: Site Background
*: New York State Background
**: Background for metropolitan or suburban areas
***: Proposed revisions to NYSDEC criteria

TABLE 4-13
GRUMMAN AEROSPACE CORPORATION - SITE 8 (PLANT 12/EAST)
PHASE II SITE ASSESSMENT
BACKFILLED RECHARGE BASIN
SOIL SAMPLING RESULTS
VOLATILE ORGANIC COMPOUNDS

SAMPLE LOCATION	S8BH-11	S8BH-11	S8BH-11	FB-1		
SAMPLE DEPTH	20-22 FT	35-37 FT	50-52 FT	NA	CONTRACT REQUIRED DETECTION LIMITS	NYSDEC TAGM 4046 APPENDIX A CRITERIA
DATE OF COLLECTION	6/24/96	6/24/96	6/24/96	6/21/96		
DILUTION FACTOR	1	1	1	1		
PERCENT SOLIDS	94	94	85	NA		
UNITS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/l)	(ug/kg)	(ug/kg)
Chloromethane	U	U	U	U	10	----
Bromomethane	U	U	U	U	10	----
Vinyl Chloride	U	U	U	U	10	200
Chloroethane	U	U	U	U	10	1900
Methylene Chloride	16 B	12 B	14 B	3 JB	10	100
Acetone	U	U	U	8 J	10	200
Carbon Disulfide	U	U	U	U	10	2700
1,1-Dichloroethene	U	U	U	U	10	400
1,1-Dichloroethane	U	U	U	U	10	200
1,2-Dichloroethene (total)	U	U	U	U	10	300
Chloroform	U	U	U	U	10	300
1,2-Dichloroethane	U	U	U	U	10	100
2-Butanone	U	U	U	U	10	300
1,1,1-Trichloroethane	U	U	U	U	10	800
Carbon Tetrachloride	U	U	U	U	10	600
Bromodichloromethane	U	U	U	U	10	----
1,2-Dichloropropane	U	U	U	U	10	----
cis-1,3-Dichloropropene	U	U	U	U	10	----
Trichloroethene	U	U	U	U	10	700
Dibromochloromethane	U	U	U	U	10	----
1,1,2-Trichloroethane	U	U	U	U	10	----
Benzene	U	U	U	U	10	60
Trans-1,3-Dichloropropene	U	U	U	U	10	----
Bromoform	U	U	U	U	10	----
4-Methyl-2-Pentanone	U	U	U	U	10	1000
2-Hexanone	U	U	U	U	10	----
Tetrachloroethene	U	U	U	U	10	1400
1,1,2,2-Tetrachloroethane	U	U	U	U	10	600
Toluene	U	U	U	U	10	1500
Chlorobenzene	U	U	U	U	10	1700
Ethylbenzene	U	U	U	U	10	5500
Styrene	U	U	U	U	10	----
Total Xylenes	U	U	U	U	10	1200
Vinyl Acetate	U	U	U	U	10	----
TOTAL VOCs	16	12	14	11		10000

QUALIFIERS
U: Compound analyzed for but not detected
B: Compound found in the blank as well as the sample
J: Compound found at a concentration below the detection limit

NOTES
----: Not established

TABLE 4-14
GRUMMAN AEROSPACE CORPORATION - SITE 8 (PLANT 12/EAST)
PHASE II SITE ASSESSMENT
BACKFILLED RECHARGE BASIN
SOIL SAMPLING RESULTS
SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE LOCATION	S8BH-11	S8BH-11	S8BH-11	FB-1	CONTRACT REQUIRED DETECTION LIMITS	NYSDEC TAGM 4046 APPENDIX A CRITERIA
SAMPLE DEPTH	20-22 FT	35-37 FT	50-52 FT	NA		
DATE OF COLLECTION	6/24/96	6/24/96	6/24/96	6/21/96		
DILUTION FACTOR	1	1	1	1		
PERCENT SOLIDS	94	94	85	NA		
UNITS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/l)	(ug/kg)	(ug/kg)
Phenol	U	U	U	U	330	30 OR MDL
bis(2-Chloroethyl)ether	U	U	U	U	330	----
2-Chlorophenol	U	U	U	U	330	800
1,3-Dichlorobenzene	U	U	U	U	330	1600
1,4-Dichlorobenzene	U	U	U	U	330	8500
1,2-Dichlorobenzene	U	U	U	U	330	7900
2-Methylphenol	U	U	U	U	330	100 OR MDL
2,2'-oxybis(1-chloropropane)	U	U	U	U	330	----
4-Methylphenol	U	U	U	U	330	900
N-Nitroso-di-n-propylamine	U	U	U	U	330	----
Hexachloroethane	U	U	U	U	330	----
Nitrobenzene	U	U	U	U	330	200 OR MDL
Isophorone	U	U	U	U	330	4400
2-Nitrophenol	U	U	U	U	330	330 OR MDL
2,4-Dimethylphenol	U	U	U	U	330	----
bis(2-Chloroethoxy)methane	U	U	U	U	330	400
2,4-Dichlorophenol	U	U	U	U	330	3400
1,2,4-Trichlorobenzene	U	U	U	U	330	13000
Naphthalene	U	U	U	U	330	220 OR MDL
4-Chloroaniline	U	U	U	U	330	----
Hexachlorobutadiene	U	U	U	U	330	----
4-Chloro-3-methylphenol	U	U	U	U	330	240 OR MDL
2-Methylnaphthalene	72 J	U	U	U	330	36400
Hexachlorocyclopentadiene	U	U	U	U	330	----
2,4,6-Trichlorophenol	U	U	U	U	330	----
2,4,5-Trichlorophenol	U	U	U	U	800	100
2-Chloronaphthalene	U	U	U	U	330	----
2-Nitroaniline	U	U	U	U	800	430 OR MDL
Dimethylphthalate	U	U	U	U	330	2000
Acenaphthylene	62 J	U	U	U	330	41000
2,6-Dinitrotoluene	U	U	U	U	330	1000
3-Nitroaniline	U	U	U	U	800	500 OR MDL
Acenaphthene	160 J	U	U	U	330	50000
2,4-Dinitrophenol	U	U	U	U	800	200 OR MDL
4-Nitrophenol	U	U	U	U	800	100 OR MDL

TABLE 4-14 (continued)
GRUMMAN AEROSPACE CORPORATION - SITE 8 (PLANT 12/EAST)
PHASE II SITE ASSESSMENT
BACKFILLED RECHARGE BASIN
SOIL SAMPLING RESULTS
SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE LOCATION	S8BH-11	S8BH-11	S8BH-11	FB-1	CONTRACT REQUIRED DETECTION LIMITS	NYSDEC TAGM 4046 APPENDIX A CRITERIA
SAMPLE DEPTH	20-22 FT	35-37 FT	50-52 FT	NA		
DATE OF COLLECTION	6/24/96	6/24/96	6/24/96	6/21/96		
DILUTION FACTOR	1	1	1	1		
PERCENT SOLIDS	94	94	85	NA		
UNITS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/l)	(ug/kg)	(ug/kg)
Dibenzofuran	110 J	U	U	U	330	6200
2,4-Dinitrotoluene	U	U	U	U	330	----
Diethylphthalate	U	210 J	600	U	330	7100
4-Chlorophenyl-phenylether	U	U	U	U	330	----
Fluorene	190 J	U	U	U	330	50000
4-Nitroaniline	U	U	U	U	800	----
4,6-Dinitro-2-methylphenol	U	U	U	U	800	----
N-Nitrosodiphenylamine	U	U	U	U	330	----
4-Bromophenyl-phenylether	U	U	U	U	330	----
Hexachlorobenzene	U	U	U	U	330	410
Pentachlorophenol	U	U	U	U	800	1000 OR MDL
Phenanthrene	1000	U	U	U	330	50000
Anthracene	240 J	U	U	U	330	50000
Carbazole	U	U	U	U	330	----
Di-n-butylphthalate	U	U	U	U	330	8100
Fluoranthene	1200	U	U	U	330	50000
Pyrene	880	U	U	U	330	50000
Butylbenzylphthalate	51 J	U	U	U	330	50000
3-3'-Dichlorobenzidine	U	U	U	U	330	----
Benzo (a) anthracene	530	U	U	U	330	224 OR MDL
Chrysene	540	U	U	U	330	400
bis(2-Ethylhexyl)phthalate	U	U	U	U	330	50000
Di-n-octylphthalate	U	U	U	U	330	50000
Benzo(b)flouranthene	320 J	U	U	U	330	1100
Benzo(k)flouranthene	270 J	U	U	U	330	1100
Benzo(a)pyrene	530	U	U	U	330	61 OR MDL
Indeno(1,2,3-cd)pyrene	250 J	U	U	U	330	3200
Dibenz(a,h)anthracene	U	U	U	U	330	14 OR MDL
Benzo(g,h,i)perylene	270 J	U	U	U	330	50000
Benzyl alcohol	U	U	U	U	330	----
Benzoic acid	U	U	U	U	800	----
TOTAL SVOCs	6675	210	600	0		500000

QUALIFIERS
U: Compound analyzed for but not detected
J: Compound found at a concentration below the detection limit

NOTES
----: Not established
: Value exceeds NYSDEC criteria

TABLE 4-15
GRUMMAN AEROSPACE CORPORATION - SITE 8 (PLANT 12/EAST)
PHASE II SITE ASSESSMENT
BACKFILLED RECHARGE BASIN
SOIL SAMPLING RESULTS
PRIORITY POLLUTANT METALS

SAMPLE LOCATION	S8BH-11	S8BH-11	S8BH-11	FB-2	INSTRUMENT DETECTION LIMITS	NYSDEC TAGM 4046 APPENDIX A CRITERIA	EASTERN USA BACKGROUND
SAMPLE DEPTH	20-22 FT	35-37 FT	50-52 FT	NA			
DATE OF COLLECTION	6/24/96	6/24/96	6/24/96	6/26/96			
DILUTION FACTOR	1	1	1	1			
PERCENT SOLIDS	94	94	85	NA			
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(ug/l)	(ug/l)	(mg/kg)	(mg/kg)
Antimony	U	U	U	6.3 B	3.9	SB	---
Arsenic	2.1	4.8	9.3	2.4 B	1.6	7.5 or SB	3 - 12*
Beryllium	0.35 B	0.16 B	0.03 B	U	0.1	0.16 or SB	0 - 1.75
Cadmium	0.33 B	U	U	U	0.4	1 or SB, 10***	0.1 - 1
Chromium	7.0	11.2	5.2	1.0 B	0.6	10 or SB, 50***	1.5 - 40*
Copper	9.8	7.3	4.8 B	U	1.3	25 or SB	1 - 50
Lead	10.0	2.1	1.9	U	1.5	SB	200 - 500**
Mercury	U	U	U	U	0.2	0.1	0.001 - 0.2
Nickel	2.9 B	1.7 B	U	U	1.2	13 or SB	0.5 - 25
Selenium	1.3	1.4	0.91 B	U	3.2	2 or SB	0.1 - 3.9
Silver	0.42 B	U	U	9.7 B	0.7	SB	---
Thallium	1.2 B	0.83 B	2.8	5.7 B	2.1	SB	---
Zinc	15.8	14.0	6.7	18.3 B	2.1	20 or SB	9 - 50

QUALIFIERS
U: Compound analyzed for but not detected
B: Compound concentration is less than the CRDL but greater than the IDL.

NOTES
----: Not established
SB: Site Background
*: New York State Background
**: Background for metropolitan or suburban areas
***: Proposed revisions to NYSDEC criteria

4046. It should also be noted that *total* SVOCs were not detected at concentrations above the criterion of 500 mg/kg for *total* SVOCs.

Priority Pollutant Metals

As indicated on Table 4-15, several priority pollutant metals were detected at concentrations above the criteria derived in Appendix A of NYSDEC's TAGM 4046. However, priority pollutant metals were not detected at concentrations above the eastern USA background levels.

4.1.6 Existing On-Site Recharge Basin

As previously discussed in Section 3, one soil boring, S8BH-12, was advanced in the existing on-site recharge basin. The analytical results of the soil samples selected for laboratory analysis (based upon visual characterization and field instrumentation screening) from the above referenced soil boring are presented on Tables 4-16 through 4-18.

Volatile Organic Compounds

As indicated on Table 4-16, methylene chloride was detected in all of the soil samples. However, since methylene chloride is a common laboratory contaminant, and it was also detected in the method blank, its presence in the soil samples can be attributed to laboratory contamination.

Semivolatile Organic Compounds

As indicated on Table 4-17, SVOCs were not detected at concentrations above the method detection limits.

TABLE 4-16
GRUMMAN AEROSPACE CORPORATION - SITE 8 (PLANT 12/EAST)
PHASE II SITE ASSESSMENT
EXISTING ON-SITE RECHARGE BASIN
SOIL SAMPLING RESULTS
VOLATILE ORGANIC COMPOUNDS

SAMPLE LOCATION	S8BH-12	S8BH-12	S8BH-12	FB-2	CONTRACT REQUIRED DETECTION LIMITS	NYSDEC TAGM 4046 APPENDIX A CRITERIA
SAMPLE DEPTH	5-7 FT	15-17 FT	25-27 FT	NA		
DATE OF COLLECTION	7/8/96	7/8/96	7/8/96	6/26/96		
DILUTION FACTOR	1	1	1	1		
PERCENT SOLIDS	97	97	89	NA		
UNITS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/l)	(ug/kg)	(ug/kg)
Chloromethane	U	U	U	U	10	----
Bromomethane	U	U	U	U	10	----
Vinyl Chloride	U	U	U	U	10	200
Chloroethane	U	U	U	U	10	1900
Methylene Chloride	5 JB	5 JB	5 JB	2 J	10	100
Acetone	U	U	U	U	10	200
Carbon Disulfide	U	U	U	U	10	2700
1,1-Dichloroethene	U	U	U	U	10	400
1,1-Dichloroethane	U	U	U	U	10	200
1,2-Dichloroethene (total)	U	U	U	U	10	300
Chloroform	U	U	U	U	10	300
1,2-Dichloroethane	U	U	U	U	10	100
2-Butanone	U	U	U	U	10	300
1,1,1-Trichloroethane	U	U	U	U	10	800
Carbon Tetrachloride	U	U	U	U	10	600
Bromodichloromethane	U	U	U	U	10	----
1,2-Dichloropropane	U	U	U	U	10	----
cis-1,3-Dichloropropene	U	U	U	U	10	----
Trichloroethene	U	U	U	U	10	700
Dibromochloromethane	U	U	U	U	10	----
1,1,2-Trichloroethane	U	U	U	U	10	----
Benzene	U	U	U	U	10	60
Trans-1,3-Dichloropropene	U	U	U	U	10	----
Bromoform	U	U	U	U	10	----
4-Methyl-2-Pentanone	U	U	U	U	10	1000
2-Hexanone	U	U	U	U	10	----
Tetrachloroethene	U	U	U	U	10	1400
1,1,2,2-Tetrachloroethane	U	U	U	U	10	600
Toluene	U	U	U	U	10	1500
Chlorobenzene	U	U	U	U	10	1700
Ethylbenzene	U	U	U	U	10	5500
Styrene	U	U	U	U	10	----
Total Xylenes	U	U	U	U	10	1200
Vinyl Acetate	U	U	U	U	10	----
TOTAL VOCs	5	5	5	2		10000

QUALIFIERS
U: Compound analyzed for but not detected
B: Compound found in the blank as well as the sample
J: Compound found at a concentration below the detection limit

NOTES
----: Not established

TABLE 4-17
GRUMMAN AEROSPACE CORPORATION - SITE 8 (PLANT 12/EAST)
PHASE II SITE ASSESSMENT
EXISTING ON-SITE RECHARGE BASIN
SOIL SAMPLING RESULTS
SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE LOCATION	S8BH-12	S8BH-12	S8BH-12	FB-2	CONTRACT REQUIRED DETECTION LIMITS	NYSDEC TAGM 4046 APPENDIX A CRITERIA
SAMPLE DEPTH	5-7 FT	15-17 FT	25-27 FT	NA		
DATE OF COLLECTION	7/8/96	7/8/96	7/8/96	6/26/96		
DILUTION FACTOR	1	1	1	1		
PERCENT SOLIDS	97	97	89	NA		
UNITS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/l)	(ug/kg)	(ug/kg)
Phenol	U	U	U	U	330	30 OR MDL
bis(2-Chloroethyl)ether	U	U	U	U	330	----
2-Chlorophenol	U	U	U	U	330	800
1,3-Dichlorobenzene	U	U	U	U	330	1600
1,4-Dichlorobenzene	U	U	U	U	330	8500
1,2-Dichlorobenzene	U	U	U	U	330	7900
2-Methylphenol	U	U	U	U	330	100 OR MDL
2,2'-oxybis(1-chloropropane)	U	U	U	U	330	----
4-Methylphenol	U	U	U	U	330	900
N-Nitroso-di-n-propylamine	U	U	U	U	330	----
Hexachloroethane	U	U	U	U	330	----
Nitrobenzene	U	U	U	U	330	200 OR MDL
Isophorone	U	U	U	U	330	4400
2-Nitrophenol	U	U	U	U	330	330 OR MDL
2,4-Dimethylphenol	U	U	U	U	330	----
bis(2-Chloroethoxy)methane	U	U	U	U	330	400
2,4-Dichlorophenol	U	U	U	U	330	3400
1,2,4-Trichlorobenzene	U	U	U	U	330	13000
Naphthalene	U	U	U	U	330	220 OR MDL
4-Chloroaniline	U	U	U	U	330	----
Hexachlorobutadiene	U	U	U	U	330	----
4-Chloro-3-methylphenol	U	U	U	U	330	240 OR MDL
2-Methylnaphthalene	U	U	U	U	330	36400
Hexachlorocyclopentadiene	U	U	U	U	330	----
2,4,6-Trichlorophenol	U	U	U	U	330	----
2,4,5-Trichlorophenol	U	U	U	U	800	100
2-Chloronaphthalene	U	U	U	U	330	----
2-Nitroaniline	U	U	U	U	800	430 OR MDL
Dimethylphthalate	U	U	U	U	330	2000
Acenaphthylene	U	U	U	U	330	41000
2,6-Dinitrotoluene	U	U	U	U	330	1000
3-Nitroaniline	U	U	U	U	800	500 OR MDL
Acenaphthene	U	U	U	U	330	50000
2,4-Dinitrophenol	U	U	U	U	800	200 OR MDL
4-Nitrophenol	U	U	U	U	800	100 OR MDL

TABLE 4-17 (continued)
GRUMMAN AEROSPACE CORPORATION - SITE 8 (PLANT 12/EAST)
PHASE II SITE ASSESSMENT
EXISTING ON-SITE RECHARGE BASIN
SOIL SAMPLING RESULTS
SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE LOCATION	S8BH-12	S8BH-12	S8BH-12	FB-2	CONTRACT REQUIRED DETECTION LIMITS	NYSDEC TAGM 4046 APPENDIX A CRITERIA
SAMPLE DEPTH	5-7 FT	15-17 FT	25-27 FT	NA		
DATE OF COLLECTION	7/8/96	7/8/96	7/8/96	6/26/96		
DILUTION FACTOR	1	1	1	1		
PERCENT SOLIDS	97	97	89	NA		
UNITS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/l)	(ug/kg)	(ug/kg)
Dibenzofuran	U	U	U	U	330	6200
2,4-Dinitrotoluene	U	U	U	U	330	----
Diethylphthalate	U	U	U	U	330	7100
4-Chlorophenyl-phenylether	U	U	U	U	330	----
Fluorene	U	U	U	U	330	50000
4-Nitroaniline	U	U	U	U	800	----
4,6-Dinitro-2-methylphenol	U	U	U	U	800	----
N-Nitrosodiphenylamine	U	U	U	U	330	----
4-Bromophenyl-phenylether	U	U	U	U	330	----
Hexachlorobenzene	U	U	U	U	330	410
Pentachlorophenol	U	U	U	U	800	1000 OR MDL
Phenanthrene	U	U	U	U	330	50000
Anthracene	U	U	U	U	330	50000
Carbazole	U	U	U	U	330	----
Di-n-butylphthalate	U	U	U	U	330	8100
Fluoranthene	U	U	U	U	330	50000
Pyrene	U	U	U	U	330	50000
Butylbenzylphthalate	U	U	U	U	330	50000
3-3'-Dichlorobenzidine	U	U	U	U	330	----
Benzo (a) anthracene	U	U	U	U	330	224 OR MDL
Chrysene	U	U	U	U	330	400
bis(2-Ethylhexyl)phthalate	U	U	U	U	330	50000
Di-n-octylphthalate	U	U	U	U	330	50000
Benzo(b)flouranthene	U	U	U	U	330	1100
Benzo(k)flouranthene	U	U	U	U	330	1100
Benzo(a)pyrene	U	U	U	U	330	61 OR MDL
Indeno(1,2,3-cd)pyrene	U	U	U	U	330	3200
Dibenz(a,h)anthracene	U	U	U	U	330	14 OR MDL
Benzo(g,h,i)perylene	U	U	U	U	330	50000
Benzyl alcohol	U	U	U	U	330	----
Benzoic acid	U	U	U	U	800	----
TOTAL SVOCs	0	0	0	0		500000

QUALIFIERS
U: Compound analyzed for but not detected

NOTES
----: Not established

TABLE 4-18
GRUMMAN AEROSPACE CORPORATION - SITE 8 (PLANT 12/EAST)
PHASE II SITE ASSESSMENT
EXISTING ON-SITE RECHARGE BASIN
SOIL SAMPLING RESULTS
PRIORITY POLLUTANT METALS

SAMPLE LOCATION	S8BH-12	S8BH-12	S8BH-12	FB-3			
SAMPLE DEPTH	5-7 FT	15-17 FT	25-27 FT	NA	INSTRUMENT DETECTION LIMITS	NYSDEC TAGM 4046 APPENDIX A CRITERIA	EASTERN USA BACKGROUND
DATE OF COLLECTION	7/8/96	7/8/96	7/8/96	6/27/96			
PERCENT SOLIDS	1	1	1	1			
DILUTION FACTOR	97	97	89	NA			
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(ug/l)	(ug/l)	(mg/kg)	(mg/kg)
Antimony	1.2 B	U	U	U	3.9	SB	---
Arsenic	7.4	3.8	2.2	U	1.6	7.5 or SB	3 - 12*
Beryllium	0.19 B	0.03 B	U	U	0.1	0.16 or SB	0 - 1.75
Cadmium	U	U	U	U	0.4	1 or SB, 10***	0.1 - 1
Chromium	18.2	12.0	1.0 B	1.8 B	0.6	10 or SB, 50***	1.5 - 40*
Copper	7.3	3.0 B	3.8 B	6.8 B	1.3	25 or SB	1 - 50
Lead	2.5	2.1	2.3	4.4	1.5	SB	200 - 500**
Mercury	U	U	U	U	0.2	0.1	0.001 - 0.2
Nickel	2.4 B	1.3 B	1.5 B	2.8 B	1.2	13 or SB	0.5 - 25
Selenium	3.0	1.2	U	U	3.2	2 or SB	0.1 - 3.9
Silver	U	0.25 B	U	1.3 B	0.7	SB	---
Thallium	1.0 B	U	U	U	2.1	SB	---
Zinc	16.5	9.0	8.1	6.5 B	2.1	20 or SB	9 - 50

QUALIFIERS
U: Compound analyzed for but not detected
B: Compound concentration is less than the CRDL but greater than the IDL.

NOTES
----: Not established
SB: Site Background
*: New York State Background
**: Background for metropolitan or suburban areas
***: Proposed revisions to NYSDEC criteria

Priority Pollutant Metals

As indicated on Table 4-18, several priority pollutant metals were detected at concentrations above the criteria derived in Appendix A of NYSDEC's TAGM 4046. However, priority pollutant metals were not detected at concentrations above the eastern USA background levels.

4.1.7 -Scrap Metal Storage Areas

As previously discussed in Section 3, five soil borings, S8BH-13 through S8BH-17, were advanced in the various scrap metal storage areas along the western portion of the site. The analytical results for priority pollutant metals for the scrap metal storage areas soil samples are presented in Table 4-19. Ten soil samples were analyzed for priority pollutant metals. As indicated in Table 4-19, several priority pollutant metals were detected at concentrations above the criteria derived in Appendix A of NYSDEC's TAGM 4046, as well as the eastern USA background levels.

4.2 Groundwater Sampling Program

As previously discussed in Section 3, one groundwater sample was collected from each monitoring well and analyzed for VOCs (Method 8240), SVOCs (Method 8270) and priority pollutant metals (Method 6010). The analytical results of groundwater samples are presented on Tables 4-20 through 4-22.

Volatile Organic Compounds

As indicated in Table 4-20, methylene chloride was detected in all the groundwater samples. However, since methylene chloride is a common laboratory contaminant, and the compound was also detected in the method, field and trip blanks, its presence in the groundwater samples can be attributed to laboratory contamination. As indicated on Table 4-20, benzene was also detected in groundwater samples MW-3 and USGS-10594. However, since benzene was also

TABLE 4-19
GRUMMAN AEROSPACE CORPORATION - SITE 8 (PLANT 12/EAST)
PHASE II SITE ASSESSMENT
SCRAP METAL STORAGE AREAS
SOIL SAMPLING RESULTS

SAMPLE LOCATION	S8BH-13	S8BH-13	S8BH-14	S8BH-14	S8BH-15	S8BH-15	INSTRUMENT DETECTION LIMITS	NYSDEC TAGM 4046 APPENDIX A CRITERIA	EASTERN USA BACKGROUND
SAMPLE DEPTH	0-2 FT	2-4 FT	0-2 FT	2-4 FT	0-2 FT	2-4 FT			
DATE OF COLLECTION	6/27/96	6/27/96	6/27/96	6/27/96	6/27/96	6/27/96			
DILUTION FACTOR	1	1	1	1	1	1			
PERCENT SOLIDS	97	93	97	96	82	96			
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(ug/l)	(mg/kg)	(mg/kg)
Antimony	0.44 B	U	U	1.5 B	0.91 B	0.78 B	3.9	SB	---
Arsenic	3.5	7.6	3.5	3.8	6.3	2.9	1.6	7.5 or SB	3 - 12*
Beryllium	0.08 B	0.05 B	U	U	0.26 B	U	0.1	0.16 or SB	0 - 1.75
Cadmium	0.58	0.05 B	0.09 B	0.57	17.4	0.43 B	0.4	1 or SB, 10***	0.1 - 1
Chromium	26.4	13.4	15.8	35.7	39.9	11.0	0.6	10 or SB, 50***	1.5 - 40*
Copper	59.9	52.5	60.6	44.2	34.5	5.5	1.3	25 or SB	1 - 50
Lead	25.0	24.6	14.2	16.1	71.4	7.2	1.5	SB	200 - 500**
Mercury	0.12	0.11	U	0.24	0.26	0.12	0.2	0.1	0.001 - 0.2
Nickel	3.5 B	4.2	13.2	20.2	11.7	7.4	1.2	13 or SB	0.5 - 25
Selenium	0.57 U	0.65	1.2	1.4	1.3	1.5	3.2	2 or SB	0.1 - 3.9
Silver	9.2 U	8.3	1.1	4.8	5.1	0.23 B	0.7	SB	---
Thallium	0.79 B	1.2	1.3	1.6	0.93 B	1.2	2.1	SB	---
Zinc	20.7	18.4	33.0	33.9	123.0	33.1	2.1	20 or SB	9 - 50

QUALIFIERS
U: Compound analyzed for but not detected
B: Compound concentration is less than the CRDL but greater than the IDL.

NOTES
----: Not established
: Value exceeds Eastern USA Backround
SB: Site Background
*: New York State Background
**: Background for metropolitan or suburban areas
***: Proposed revisions to NYSDEC criteria

TABLE 4-19 (continued)
GRUMMAN AEROSPACE CORPORATION - SITE 8 (PLANT 12/EAST)
PHASE II SITE ASSESSMENT
SCRAP METAL STORAGE AREAS
SOIL SAMPLING RESULTS

SAMPLE LOCATION	S8BH-16	S8BH-16	S8BH-17	S8BH-17	FB-3		INSTRUMENT DETECTION LIMITS	NYSDEC TAGM 4046 APPENDIX A CRITERIA	EASTERN USA BACKGROUND
SAMPLE DEPTH	0-2 FT	2-4 FT	0-2 FT	2-4 FT	NA				
DATE OF COLLECTION	6/27/96	6/27/96	6/27/96	6/27/96	6/27/96				
DILUTION FACTOR	1	1	1	1	1				
PERCENT SOLIDS	86	95	87	86	NA				
UNITS	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(ug/l)		(ug/l)	(mg/kg)	(mg/kg)
Antimony	2.2 B	U	1.1 B	0.95 B	U		3.9	SB	---
Arsenic	27.6	1.6	17.6	2.9	U		1.6	7.5 or SB	3 - 12*
Beryllium	1.3	0.06 B	0.07 B	U	U		0.1	0.16 or SB	0 - 1.75
Cadmium	26.7	0.19 B	0.53 B	U	U		0.4	1 or SB, 10***	0.1 - 1
Chromium	21.6	5.7	14.7	9.8	1.8 B		0.6	10 or SB, 50***	1.5 - 40*
Copper	81.4	3.3	21.6	7.0	6.8 B		1.3	25 or SB	1 - 50
Lead	233	5.7	53.8	6.5	4.4		1.5	SB	200 - 500**
Mercury	0.17	U	0.15	U	U		0.2	0.1	0.001 - 0.2
Nickel	33.6	2.8 B	8.1	7.6	2.8 B		1.2	13 or SB	0.5 - 25
Selenium	2.3	0.78	1.7	1.2	U		3.2	2 or SB	0.1 - 3.9
Silver	0.81 B	U	0.52 B	0.09 B	1.3 B		0.7	SB	---
Thallium	2.2	1.1	1.4	1.3	U		2.1	SB	---
Zinc	221	11.4	122	23.6	6.5 B		2.1	20 or SB	9 - 50

QUALIFIERS
U: Compound analyzed for but not detected
B: Compound concentration is less than the CRDL but greater than the IDL.

NOTES
----: Not established
: Value exceeds Eastern USA Backround
SB: Site Background
*: New York State Background
**: Background for metropolitan or suburban areas
***: Proposed revisions to NYSDEC criteria

TABLE 4-20
GRUMMAN AEROSPACE CORPORATION - SITE 8 (PLANT 12/EAST)
PHASE II SITE ASSESSMENT
GROUNDWATER SAMPLING RESULTS
VOLATILE ORGANIC COMPOUNDS

SAMPLE IDENTIFICATION	MW-1	MW-2	MW-3	USGS-10594	FB-4	TB-1	CONTRACT REQUIRED DETECTION LIMIT	NYSDEC CLASS GA GROUNDWATER STANDARDS/ GUIDANCE VALUES
DATE OF COLLECTION	6/28/96	6/28/96	6/28/96	6/28/96	6/28/96	6/28/96		
DILUTION FACTOR	1	1	1	1	1	1		
UNITS	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Chloromethane	U	U	U	U	U	U	10	5 ST
Bromomethane	U	U	U	U	U	U	10	5 ST
Vinyl Chloride	U	U	U	U	U	U	10	2 ST
Chloroethane	U	U	U	U	U	U	10	5 ST
Methylene Chloride	4 JB	4 JB	4 JB	4 JB	4 JB	5 JB	10	5 ST
Acetone	U	U	U	9 J	U	U	10	50 GV
Carbon Disulfide	U	U	U	U	U	U	10	----
1,1-Dichloroethene	U	U	U	U	U	U	10	5 ST
1,1-Dichloroethane	U	U	U	U	U	U	10	5 ST
1,2-Dichloroethene (total)	U	U	U	U	U	U	10	5 ST
Chloroform	U	U	U	U	U	U	10	7 ST
1,2-Dichloroethane	U	U	U	U	U	U	10	5 ST
2-Butanone	U	U	U	U	U	U	10	50 GV
1,1,1-Trichloroethane	U	4 J	U	U	U	U	10	5 ST
Carbon Tetrachloride	U	U	U	U	U	U	10	5 ST
Bromodichloromethane	U	U	U	U	U	U	10	50 GV
1,2-Dichloropropane	U	U	U	U	U	U	10	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	10	5 ST
Trichloroethene	U	U	U	17	U	U	10	5 ST
Dibromochloromethane	U	U	U	U	U	U	10	50 GV
1,1,2-Trichloroethane	U	U	U	U	U	U	10	5 ST
Benzene	U	U	4 J	2 J	6 J	U	10	0.7 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	10	5 ST
Bromoform	U	U	U	U	U	U	10	50 GV
4-Methyl-2-Pentanone	U	U	U	U	U	U	10	----
2-Hexanone	U	U	U	U	U	U	10	50 GV
Tetrachloroethene	U	U	U	U	U	U	10	5 ST
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	10	5 ST
Toluene	U	U	4 J	U	4 J	U	10	5 ST
Chlorobenzene	U	U	U	U	U	U	10	5 ST
Ethylbenzene	U	U	1 J	U	U	U	10	5 ST
Styrene	U	U	U	U	U	U	10	5 ST
Xylene (total)	U	U	3 J	U	3 J	U	10	5 ST*
Vinyl Acetate	U	U	U	U	U	U	10	5 ST
Total VOCs	4	8	16	32	16	5		

QUALIFIERS
U: Compound analyzed for but not detected
J: Result found at a concentration below the detection limit, value estimated

NOTES
ST: Standard
GV: Guidance Value
----: Not established
Value exceeds NYSDEC Class GA Standard/Guidance Value
*: Applies to each isomer individually

TABLE 4-21
GRUMMAN AEROSPACE CORPORATION - SITE 8
PHASE II SITE ASSESSMENT
GROUNDWATER SAMPLING RESULTS
SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE IDENTIFICATION	MW-1	MW-2	MW-3	USGS-10594	FB-4	CONTRACT REQUIRED DETECTION LIMITS	NYSDEC CLASS GA GROUNDWATER STANDARDS/ GUIDANCE VALUES
DATE OF COLLECTION	6/28/96	6/28/96	6/28/96	6/28/96	6/28/96		
DILUTION FACTOR	1	1	1	1	1		
UNITS	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Phenol	U	U	U	U	U	10	1 ST **
bis(2-Chloroethyl)Ether	U	U	U	U	U	10	1.0 ST
2-Chlorophenol	U	U	U	U	U	10	1.0 ST**
1,3-Dichlorobenzene	U	U	U	U	U	10	5 ST
1,4-Dichlorobenzene	U	U	U	U	U	10	4.7 ST *
1,2-Dichlorobenzene	U	U	U	U	U	10	4.7 ST *
2-Methylphenol	U	U	U	U	U	10	----
2,2'-oxybis(1-Chloropropane)	U	U	U	U	U	10	----
4-Methylphenol	U	U	U	U	U	10	----
N-Nitroso-di-n-propylamine	U	U	U	U	U	10	----
Hexachloroethane	U	U	U	U	U	10	5 ST
Nitrobenzene	U	U	U	U	U	10	5 ST
Isophorone	U	U	U	U	U	10	50 GV
2-Nitrophenol	U	U	U	U	U	10	----
2,4-Dimethylphenol	U	U	U	U	U	10	----
2,4-Dichlorophenol	U	U	U	U	U	10	1 ST **
1,2,4-Trichlorobenzene	U	U	U	U	U	10	5 ST
Naphthalene	U	U	U	U	U	10	10 GV
4-Chloroaniline	U	U	U	U	U	10	5 ST
Hexachlorobutadiene	U	U	U	U	U	10	5 ST
bis(2-Chloroethoxy)methane	U	U	U	U	U	10	5 ST
4-Chloro-3-Methylphenol	U	U	U	U	U	10	1 ST **
2-Methylnaphthalene	U	U	U	U	U	10	----
Hexachlorocyclopentadiene	U	U	U	U	U	10	5 ST
2,4,6-Trichlorophenol	U	U	U	U	U	10	1 ST **
2,4,5-Trichlorophenol	U	U	U	U	U	25	1 ST **
2-Chloronaphthalene	U	U	U	U	U	10	5 ST
2-Nitroaniline	U	U	U	U	U	25	5 ST
Dimethylphthalate	U	U	U	U	U	10	50 GV
Acenaphthylene	U	U	U	U	U	10	----
2,6-Dinitrotoluene	U	U	U	U	U	10	5 ST
3-Nitroaniline	U	U	U	U	U	25	5 ST
Acenaphthene	U	U	U	U	U	10	20 GV

TABLE 4-21 (continued)
GRUMMAN AEROSPACE CORPORATION - SITE 8
PHASE II SITE ASSESSMENT
GROUNDWATER SAMPLING RESULTS
SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE IDENTIFICATION	MW-1	MW-2	MW-3	USGS-10594	FB-4	CONTRACT REQUIRED DETECTION LIMITS	NYSDEC CLASS GA GROUNDWATER STANDARDS/ GUIDANCE VALUES
DATE OF COLLECTION	6/28/96	6/28/96	6/28/96	6/28/96	6/28/96		
DILUTION FACTOR	1	1	1	1	1		
UNITS	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
2,4-Dinitrophenol	U	U	U	U	U	25	----
4-Nitrophenol	U	U	U	U	U	25	----
Dibenzofuran	U	U	U	U	U	10	----
2,4-Dinitrotoluene	U	U	U	U	U	10	5 ST
Diethylphthalate	U	U	U	U	U	10	50 GV
4-Chlorophenyl-phenylether	U	U	U	U	U	10	----
Fluorene	U	U	U	U	U	10	50 GV
4-Nitroaniline	U	U	U	U	U	25	5 ST
4,6-Dinitro-2-methylphenol	U	U	U	U	U	25	----
N-Nitrosodiphenylamine	U	U	U	U	U	10	50 GV
4-Bromophenyl-phenylether	U	U	U	U	U	10	----
Hexachlorobenzene	U	U	U	U	U	10	0.35 ST
Pentachlorophenol	U	U	U	U	U	25	1 ST **
Phenanthrene	U	U	U	U	U	10	50 GV
Anthracene	U	U	U	U	U	10	50 GV
Carbazole	U	U	U	U	U	10	----
Di-n-butylphthalate	U	U	U	U	U	10	50 ST
Fluoranthene	U	U	U	U	U	10	50 GV
Pyrene	U	U	U	U	U	10	50 GV
Butylbenzylphthalate	U	U	U	U	U	10	50 GV
3,3'-Dichlorobenzidine	U	U	U	U	U	10	5 ST
Benzo(a)anthracene	U	U	U	U	U	10	0.002 GV
Chrysene	U	U	U	U	U	10	0.002 GV
bis(2-Ethylhexyl)phthalate	U	U	2 J	2 J	U	10	50 ST
Di-n-octylphthalate	U	U	U	U	U	10	50 GV
Benzo(b)fluoranthene	U	U	U	U	U	10	0.002 GV
Benzo(k)fluoranthene	U	U	U	U	U	10	0.002 GV
Benzo(a)pyrene	U	U	U	U	U	10	ND ST
Indeno(1,2,3-cd)pyrene	U	U	U	U	U	10	0.002 GV
Dibenz(a,h)anthracene	U	U	U	U	U	10	----
Benzo(g,h,i)perylene	U	U	U	U	U	10	----
Benzyl Alcohol	U	U	U	U	U	10	----
Benzoic Acid	U	U	U	U	U	10	----

QUALIFIERS
U: Compound analyzed for but not detected
J: Compound found at a concentration below the detection limit

NOTES
ST: Standard
GV: Guidance Value
ND: Non-detected
----: Not established
*: Value pertains to the sum of the isomers
**: Value pertains to total phenols

TABLE 4-22
GRUMMAN ARROSPACE CORPORATION - SITE 8 (PLANT 12/EAST)
PHASE II SITE ASSESSMENT
GROUNDWATER SAMPLING RESULTS
PRIORITY POLLUTANT METALS

SAMPLE IDENTIFICATION	MW-1	MW-2	MW-2F	MW-3	MW-3F	USGS-10594	USGS-10594F	FB-4	INSTRUMENT DETECTION LIMITS	NYSDEC CLASS GA GROUNDWATER STANDARDS/ GUIDANCE VALUES
DATE OF COLLECTION	6/28/96	6/28/96	6/28/96	6/28/96	6/28/96	6/28/96	6/28/96	6/28/96		
DILUTION FACTOR	1	1	1	1	1	1	1	1		
UNITS	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Antimony	U	U	U	U	U	U	U	U	3.9	3 GV
Arsenic	U	3.9 B	2.3 B	5.7 B	3.1 B	4.2 B	4.7 B	2.3 B	1.6	25 ST
Beryllium	U	0.32 B	U	U	U	U	U	U	0.1	3 GV
Cadmium	U	1.5 B	1.2 B	U	U	1.4 B	U	U	0.4	10 ST
Chromium	2.2 B	14.6	8.3 B	11.4	0.68 B	162	4.6 B	U	0.6	50 ST
Copper	12.0 B	19.3 B	5.9 B	11.2 B	5.9 B	113	10.6 B	U	1.3	200 ST
Lead	U	62.0	U	39.0	2.3 B	980	13.1	U	1.5	25 ST
Mercury	U	0.24	U	U	0.40	0.21	0.54	U	0.2	2 ST
Nickel	6.7 B	6.7 B	3.9 B	31.5 B	31.3 B	41.9	17.1 B	U	1.2	----
Selenium	U	3.4 B	9.2	U	4.5 B	U	U	U	3.2	10 ST
Silver	U	U	0.81 B	U	1.2 B	U	U	1.1 B	0.7	50 ST
Thallium	3.4 B	2.6 B	U	2.5 B	U	5.9 B	U	U	2.1	4 GV
Zinc	79.6	91.9	77.2	86.1	83.3	307	113	46.6	2.1	300 ST

QUALIFIERS
U: Analyzed for but not detected
B: Concentration is less than the CRDL but greater than the IDL.
F: Sample was filtered in the laboratory, results are for dissolved metals

NOTES
GV: Guidance Value
ST: Standard
: Value exceeds NYSDEC Class GA Standard/Guidance Value
---: Not established

detected in the field blank, its presence in the groundwater sample can also be attributed to blank contamination.

In addition, several other VOCs were detected in the groundwater samples collected. However, with the exception of trichloroethene, no VOCs were detected above the NYSDEC Class GA groundwater standards/guidance values. Trichloroethene was detected in the groundwater sample from USGS-10594 at a concentration of 17 ug/l. This concentration is above the NYSDEC Class GA groundwater standard for this compound of 5 ug/l.

Semivolatile Organic Compounds

As indicated in Table 4-21, with the exception of bis(2-Ethylhexyl) phthalate, SVOCs were not detected in the groundwater samples at concentrations above Class GA groundwater standards. The detected concentration of bis(2-Ethylhexyl) phthalate was below the NYSDEC Class GA groundwater standard of 50 ug/l.

Priority Pollutant Metals

As indicated on Table 4-22, several priority pollutant metals were detected in all four wells. USGS-10594 was the only well that exhibited concentrations of priority pollutant metals above NYSDEC Class GA groundwater standards/guidance values. However, it should be noted that the groundwater sample from USGS-10594 could not be obtained at a turbidity of less than 50 NTU. As a result, an additional groundwater sample was obtained from this location for filtering in an effort to remove suspended particulate matter prior to laboratory analysis.

As indicated on Table 4-22, priority pollutant metals were not detected at concentrations above the Class GA groundwater standards in the filtered sample (USGS-10594F). As a result, it appears that the elevated concentrations of metals found in the unfiltered groundwater sample from well USGS-10594 are attributable to the presence of high total suspended solids and is not indicative of groundwater quality.

4.3 Data Validation

Soil and groundwater samples were collected during the Phase II Site Assessment at the Site 8 (Plant 12/East) property were analyzed for a combination of volatile organic compounds, semivolatile organic compounds, priority pollutant metals, fuel fingerprint and total petroleum hydrocarbons. The analyses were performed by Nytest Environmental Inc., a subcontractor to Dvirka and Bartilucci Consulting Engineers.

The data packages were validated in accordance with NYSDEC Quality Assurance/Quality Control (QA/QC) requirements. All standard and quality control sample results, as well as 20 percent of the sample results were reviewed yielding a "20% validation."

The findings of the validation process were as follows:

- Methylene chloride was found in the field blanks collected on 6/21/96 and 6/26/96 (FB-1 and FB-2). The soil samples collected from boreholes 3, 8, 9 and 10 (S8BH-3, S8BH-8, S8BH-9 and S8BH-10) also contained methylene chloride. Since the sample concentrations were less than five times the field blank concentration, the methylene chloride results have been qualified as nondetect due to blank contamination.

- The methylene chloride results for the samples collected from boreholes 11 and 12 (S8BH-11 and S8BH-12) have been qualified as nondetect since the method blank associated with those samples also contained methylene chloride.

- Methylene chloride was qualified as nondetect in all groundwater samples due to laboratory contamination. That is, methylene chloride was found in the method blank associated with the samples and the sample concentrations were less than five times that found in the method blank.

All data is deemed valid and usable for environmental assessment as qualified above.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Based upon the findings of the analytical sampling program associated with the Phase II investigation, the following discussion presents the conclusions and recommendations of the Phase II Site Assessment.

5.1 Soil Sampling Program

With regard to SVOCs, several areas exhibited concentrations of *individual* SVOCs above the criteria derived in Appendix A of NYSDEC's TAGM 4046. These areas include the following:

- Exterior Paint Storage Area
  - Paint-stained asphalt area
  - Adjacent areas receiving storm water runoff.
- "Paint Shop" (Plant 12E)
  - Paint-stained grassed area
- Backfilled Recharge Basin

Although soil samples associated with the preceding areas exhibited concentrations of certain *individual* SVOC constituents above the criteria derived in Appendix A of NYSDEC's TAGM 4046, the samples did not exhibit concentrations of *total* SVOCs above the criterion of 500 mg/kg for *total* SVOCs. As a result, further investigatory/remedial activities with regard to the detected concentrations of SVOCs are not recommended in these areas.

Based upon the findings of the soil sampling program, the Scrap Metal Storage Areas appear to be the only other area that exhibited concentrations of targeted constituents (priority pollutant metals) above the referenced criteria and/or eastern USA background levels. Priority pollutant metals exist in the 0 to 2-foot intervals of the scrap metal storage areas at concentrations above the criteria derived in Appendix A of NYSDEC's TAGM 4046 and eastern USA background levels. The concentrations of priority pollutant metals primarily decrease to the approximate values

of eastern USA background levels at the 2 to 4-foot intervals. Although the lateral extent of impacted soils has not been defined through the analytical sampling program, the prior and existing scrap metal storage areas can be delineated based upon a review of aerial photographs in conjunction with site reconnaissance. It is recommended that a minimum of 2 feet of surficial soil be removed from these areas for proper off-site disposal.

5.2 Groundwater Sampling Program

As indicated in Section 4, priority pollutant metals were not detected at concentrations above Class GA groundwater standards, with the exception of those constituents attributable to elevated turbidity and/or laboratory contamination. In addition, SVOCs were not detected at concentrations above Class GA groundwater standards/guidance values.

Taking into account interference from laboratory contamination, volatile organics were not detected at concentrations above Class GA standards with the exception of trichloroethene in well USGS-10594. USGS-10594 is an off-site well located adjacent to the eastern portion of the site. Based upon a review of water table elevation maps prepared by others, dated April and August 1993, the predominant direction of groundwater flow in the vicinity of the Ruco Polymer site and Site 8 (Plant 12/East) is to the southeast. Under the conditions which are depicted in the August 1993 water table elevation map, monitoring well USGS-10594 is downgradient of both Ruco Polymer and Site 8 (Plant 12/East). However, based upon the April 1993 water table elevation map, the groundwater flow takes a more westerly flow direction during this time of the year. Under the conditions which are depicted in the April 1993 water table elevation map, monitoring well USGS-10594 is downgradient of Ruco Polymer and lateral to Site 8 (Plant 12/East) with respect to groundwater flow.

As a result, it appears that USGS-10594 can be considered to be downgradient of the Hooker Ruco Polymer facility on a year-round basis and downgradient of the Site 8 (Plant 12/East) property on a seasonal basis. During those times of the year that USGS-10594 is considered to be

downgradient of the Site 8 (Plant 12/East) property, its position is considered to be downgradient of the easternmost portions of the site.

Based upon the findings of the Phase I investigation, there were no historical uses of the eastern portion of the Site 8 (Plant 12/East) property identified that would indicate the potential for trichloroethene contamination on-site. Since the Hooker Ruco Polymer facility is an NPL site with a documented volatile organic groundwater plume, and it is located within 300 feet upgradient of USGS-10594, it appears likely that the elevated trichloroethene concentration detected in the groundwater sample from USGS-10594 is attributable to the Hooker Ruco Polymer facility and it does not appear to be indicative of a source of contamination located at the Site 8 (Plant 12/East) property.

As a result, further investigation with regard to groundwater quality at the Site 8 (Plant 12/East) property does not appear to be warranted.

APPENDIX A

BORING LOGS

BORING LOG

DVIRKA AND BARTILUCCI

Project No.: 1167-55
Project Name: GRUMMAN Site 8

Well/Boring No.: SBMW-2
Sheet 1 of 1
By: KSR Date: 6/17/96
Chk'd: _____ Date: _____

Drilling Contractor: John Errington
Driller: Dennis V. Geologist: Keith Robins
Drill Rig: CME 75 Drilling Method: Hollowstem Auger
Sample Spoon I.D.: 2 inch Drive Hammer Wt.: 140 lbs
Date Started: 6/17/96 Date Completed: 6/17/96

Borehole Completion Depth: 68 FT
Borehole Diameter: 10 inch
Ground Surface El.: _____

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM) PID	SAMPLE DESCRIPTION
-0-						Visual log
-1-					0.0	(0-10') Dark Brown Sand medium-coarse, and coarse gravel, cobbles. (dry)
-2-					0.0	(10'-57') Brown-Orange medium to coarse Sand, some fine coarse gravel.
-3-					0.0	(57-58') Brown-Gray fine-medium Sand, trace silt, well sorted
-4-					0.0	(58-60') white-Gray fine Sand wet
-5-					----	------ ▽ ---- water at 60 FT
-6-						60-68' Fine sands/silt
-7-						
-8-						(END of Boring AT 68 Feet)
-9-						
-10						

Remarks: Split spoon samples collected at (57-59) and (58-60) to determine water table depth.

Water Level Measurement _____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

DVIRKA AND BARTILUCCI

Project No.: 1167-SS
Project Name: Grumman Site 8

Well/Boring No.: SBMW-3
Sheet 1 of 1
By: KSR Date: 6/18/96
Chk'd: _____ Date: _____

Drilling Contractor: John Emington
Driller: Dennis V. Geologist: Keith Robins
Drill Rig: CME 75 Drilling Method: 6¼ HSA
Sample Spoon I.D.: 2 inch Drive Hammer Wt.: 140 lbs.
Date Started: 6/18/96 Date Completed: 6/19/96

Borehole Completion Depth: 70'
Borehole Diameter: 10 inch
Ground Surface El.: —

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM)	SAMPLE DESCRIPTION
-0-						Visual log
-1-					0.0	(0-2') Dark Black clayey Soil / Top soil
-2-					0.0	(2'-15') Dark Brown Course sand, gravel and cobbles.
-3-					0.0	(15'-40') Light Brown-Orange medium course sand, fine gravel.
-4-						▽ water at 60 FT
-5-					0.0	(40-70') Orange-Brown medium quartz well sorted sand, trace fine gravel. Grading down to finer Sands, some silt below water table
-6-						
-7-						
-8-						
-9-						
-10						

Remarks: NO split spoon samples were collected in boreing

Water Level Measurement _____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

DVIRKA AND BARTILUCCI

Project No.: 1167-SS
Project Name: Grumman Site 9

Well/Boring No.: SBH-3
Sheet 1 of 2
By: _____ Date: _____
Chk'd: _____ Date: _____

Drilling Contractor: John Emington
Driller: Dennis V. Geologist: Keith Robins
Drill Rig: CME 75 Drilling Method: 6 1/4" HSA
Sample Spoon I.D.: 2 inch Drive Hammer Wt.: 140 lbs.
Date Started: 6/20/96 Date Completed: 6/21/96

Borehole Completion Depth: 60 FT
Borehole Diameter: 10 inch
Ground Surface El.: ~

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM) PID	SAMPLE DESCRIPTION
0						Visual log
2					0.0	0-10' Dark Brown sand/soil, gravel.
4						
6						
8						
10	SS-1	10-12	5"	9,13, 14,18	0.0	Brown - orange coarse Sand and gravel, subangular with medium/Sand quartz
12						
14	SS-2	15-17	6"	14,18, 18,21	0.0	Brown - Orange medium to coarse quartz Sand, fine subangular gravel. (dry)
16						
18						
20	SS-3	20-22	6"	5,7, 6,6	0.0	Brown coarse Sand and angular gravel. (dry)

Remarks: Collect soil samples (20-22), (28-30) and (55-57) for lab analyses

Water Level Measurement _____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

DVIRKA AND BARTILUCCI

Project No.: 1167-55
Project Name: GRUMMAN Site 8

Well/Boring No.: SBH-3
Sheet 2 of 3
By: KSR Date: 6/21/96
Chk'd: _____ Date: _____

Drilling Contractor: John Emington
Driller: Dennis V. Geologist: Keith Robins
Drill Rig: CME 75 Drilling Method: 6 1/4 HSA
Sample Spoon I.D.: 2 inch Drive Hammer Wt.: 140 lbs.
Date Started: 6/21/96 Date Completed: 6/21/96

Borehole Completion Depth: 60 ft
Borehole Diameter: 10 inch
Ground Surface El.: —

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM) (PID)	SAMPLE DESCRIPTION
20						
22						Brown coarse Qtz Sand, subrounded gravel fine to coarse cobbles in soil cuttings
24	SS-4	22-24	12"	19, 23 25, 20	0.0	
26	SS-5	24-26	12"	13, 13 15, 15	0.0	0-8" Light Brown coarse Sand, gravel. 8"-12" Tan medium Qtz Sand, dry.
28	SS-6	26-28	14"	9, 13 16, 18	0.0	Brown coarse to medium qtz Sand, some subrounded - subangular poorly sorted.
30	SS-7	28-30	18"	12, 14 15, 12	0.0	Brown - Coarse Sand, some gravel, trace cobbles - (dry)
32	SS-8	30-32	18"	11, 14 15, 15	0.0	Brown - Tan medium to coarse Qtz Subrnd Sand, some fine gravel. (dry)
34						
36	SS-9	35-37	12"	9, 13 12, 10	0.0	Brown-Red - Orange coarse Sand and fine subrounded qtz gravel., trace muscovite flakes, trace iron staining on grains
38						
40						

Remarks: Collected Soil samples (20-22) (28-30) and (55-57) for lab analysis

Water Level Measurement _____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

DVIRKA AND BARTILUCCI

Project No.: 1167-SS
Project Name: Grumman Site B

Well/Boring No.: SBH-3
Sheet 3 of 3
By: KSR Date: 6/21/96
Chk'd: _____ Date: _____

Drilling Contractor: John Emmerton
Driller: Dennis V
Drill Rig: CME 75
Sample Spoon I.D.: 2 inch
Date Started: 6/21/96
Geologist: Keith Robins
Drilling Method: 6 1/4 HSA
Drive Hammer Wt.: 140 lbs
Date Completed: 6/24/96

Borehole Completion Depth: 60'
Borehole Diameter: 10 inch
Ground Surface El.: —

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM) (PID)	SAMPLE DESCRIPTION
40	SS-10	40-42	12"	13,16, 15,14	0.0	0-3" Dark brown to orange medium to coarse Sand 3"-12" White - Light Gray medium quartz Sand, trace rock Light banding / horizontal, trace white clay (damp)
42						
44	SS-11	45-47	14"	8,12 13,12	0.0	Light Gray - White very fine quartz Sand, little Muscovite flakes, trace silt. (damp)
46						
48						
50	SS-12	50-52	16"	8,12 12,16	0.0	Light Gray - white very fine Sand. little - trace trace silt. muscovite flakes, well sorted. (damp)
52						
54	SS-13	55-57	14"	8, 9, 12,14	0.0	0-6" Light Gray fine Sand 6"-14" Light Gray - Tan - Yellow medium well sorted quartz Sand. (damp)
56						
58						
60	SS-14	60-62	12"	8,14 12,13	0.0	Brown to Gray medium quartz Sand, - - - WT - 1 - 9 - - (60') (Saturated) END OF BORING AT 60 FT

Remarks: collected soil samples (20-22) (28-30) and 55-57 for lab analysis.

Water Level Measurement
_____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

BORING LOG

DVIRKA AND BARTILUCCI

Project No.: 1167-SS
Project Name: BRUMMAN Site B

Well/Boring No.: SBH-4
Sheet 1 of ____
By: ____ Date: ____
Chk'd: ____ Date: ____

Drilling Contractor: John Emington
Driller: Dennis
Drill Rig: CME 25
Sample Spoon I.D.: 2inch
Date Started: 6/27/96
Geologist: Keith Robins
Drilling Method: Splitspoon
Drive Hammer Wt.: 140/6
Date Completed: 6/27/96

Borehole Completion Depth: 4FT
Borehole Diameter: 2inch
Ground Surface El.: —

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM) (PID)	SAMPLE DESCRIPTION
-0-						
-1-	SS-1	0-2	15"	—	0.0	Brown-Black medium to coarse Sand, gravel, trace asphalty concrete, trace silt. (dry)
-2-						
-3-	SS-2	2-4	6"	—	0.0	Dark Brown medium Sand, little gravel, silt. (damp)
-4-						END OF BORING AT 4 FT
-5-						
-6-						
-7-						
-8-						
-9-						
-10						

Remarks: Soil samples (0-2) and (2-4) selected For laboratory analysis

Water Level Measurement ____ Date ____
____ Date ____
____ Date ____
____ Date ____

BL

BORING LOG

DVIRKA AND BARTILUCCI

Project No.: 1167-55
Project Name: Grumman Site 8

Well/Boring No.: S8BH-5
Sheet 1 of 1
By: ESR Date: 6/27/96
Chk'd: _____ Date: _____

Drilling Contractor: John Emington
Driller: Dennis V
Drill Rig: CME 75
Sample Spoon I.D.: 2 inch
Date Started: 6/27/96

Geologist: Keith Robins
Drilling Method: Split spoon
Drive Hammer Wt.: 140 lbs.
Date Completed: 6/27/96

Borehole Completion Depth: 4 FT
Borehole Diameter: 2 inch
Ground Surface El.: -

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM) (PID)	SAMPLE DESCRIPTION
-0-						0-6"
-1-	SS-1	0-2	15"	10, 12	0.0	Tan fine sand, dry loose
-2-				15, 18		6"-15" Dark Brown damp fine-medium sand, some iron staining, trace wood, gravel.
-3-	SS-2	2-4	15"	15, 11	0.0	Dark Brown fine to medium sand, some gravel trace brick, trace asphalt, trace silt.
-4-				15, 18		
-5-						END OF BORING AT 4 FEET
-6-						
-7-						
-8-						
-9-						
-10						

Remarks: Soil samples selected for laboratory analysis (0-2) and (2-4)

Water Level Measurement
_____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

DVIRKA AND BARTILUCCI

Project No.: 1167-SS
Project Name: GRUMMAN
SA & EB

Well/Boring No.: SBBH-6
Sheet 1 of 1
By: KSR Date: 6/27/96
Chk'd: _____ Date: _____

Drilling Contractor: John Emington
Driller: Dennis V. Geologist: Keith Robins
Drill Rig: CME 75 Drilling Method: Splitspoon
Sample Spoon I.D.: 2inch Drive Hammer Wt.: 140 lbs
Date Started: 6/27/96 Date Completed: 6/27/96

Borehole Completion Depth: 4FT
Borehole Diameter: 2inch
Ground Surface El.: _____

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM) (PID)	SAMPLE DESCRIPTION
-0-						
-1-	SS-1	0-2	15"	12,10 12,14	0.0	0-6" Fine-medium Sand, track rots, grass 6"-15" Brown fine-medium sand, some silt, fine gravel.
-2-						
-3-	SS-2	2-4	12"	9,7 5,4	0.0	Dark Brown fine-medium Sand, little fine gravel. (damp)
-4-						END of Soil Boring AT 4 FT
-5-						
-6-						
-7-						
-8-						
-9-						
-10						

Remarks: Soil samples selected for laboratory analysis (0-2) and (2-4)

Water Level Measurement _____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

BORING LOG

DVIRKA AND BARTILUCCI

Project No.: 1167-55
Project Name: Grumman Site 8

Well/Boring No.: SBS5-7
Sheet 1 of 1
By: KSR Date: 6/27/96
Chk'd: _____ Date: _____

Drilling Contractor: —
Driller: — Geologist: Keith Robins
Drill Rig: — Drilling Method: disposable plastic scoop
Sample Spoon I.D.: — Drive Hammer Wt.: —
Date Started: 6/27/96 Date Completed: 6/27/96

Borehole Completion Depth: 6"
Borehole Diameter: —
Ground Surface El.: —

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM)	SAMPLE DESCRIPTION
-0-	SS-1	—	—	—	—	(0-6") Sample consisted of Brown fine to medium gtz Sand No odor or visual staining noted. (dry)
-1-						
-2-						
-3-						
-4-						
-5-						
-6-						
-7-						
-8-						
-9-						
-10						

Remarks: Soil sample collected from 0-6", beneath excavated soil from paint stained soil

Water Level Measurement _____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

DVIRKA AND BARTILUCCI

Project No.: 1167-55
Project Name: GRUMMAN Site 8

Well/Boring No.: S8BH-8
Sheet 1 of 1
By: KSR Date: 6/26/96
Chk'd: _____ Date: _____

Drilling Contractor: John Emington
Driller: Dennis V. Geologist: Keith Robins
Drill Rig: CME 75 Drilling Method: 6 1/4" HSA
Sample Spoon I.D.: 2 inch Drive Hammer Wt.: 140 lbs
Date Started: 6/26/96 Date Completed: 6/26/96

Borehole Completion Depth: 26 FT
Borehole Diameter: 10 inch
Ground Surface El.: —

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM) (PID)	SAMPLE DESCRIPTION
0						Visual log 0-10' Sand, cobbles, gravel.
10	SS-1	10-12	—	—	—	no sample, Difficult in drilling, cobble stuck in tip of spoon.
12	SS-2	12-14	12"	11,15 18,18	0.0	Brown coarse quartz Sand and fine-medium gravel, gray crushed concrete
14	SS-3	14-16	6"	10,12 10,14	0.0	Light Brown medium grained qtz Sand trace ironstaining, silt (v. damp)
16	SS-4	16-18	6"	12,14 8,10	0.0	Brown medium to coarse quartz Sand, some fine gravel (damp-moist)
18	SS-5	18-20	12"	9,12 14,16	0.0	Light Brown coarse quartz medium Sand, some fine medium subangular gravel (dry-damp)
20	SS-6	20-22	10"	7,10 13,18	0.0	Light Brown medium to coarse quartz Sand, some to little fine subrounded gravel (damp)
22	SS-7	22-24	10"	7,10 13,18	0.0	Light TAN to Brown medium quartz Sand, little fine gravel. (dry-damp)
24	SS-8	24-26	6"	10,12 12,12	0.0	Brown to Light TAN medium qtz Sand trace iron staining, little gravel subangular (dry-damp)
26						END OF Boring AT 26 Feet.

Remarks: Soil sample collected for laboratory at (14-16') and (20-22')

Water Level Measurement _____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

BORING LOG

DVIRKA AND BARTILUCCI

Project No.: 1167-55
Project Name: GRUMMAN Site 8

Well/Boring No.: 58BH-9
Sheet 1 of 1
By: KSR Date: 6/27/96
Chk'd: _____ Date: _____

Drilling Contractor: John Emington
Driller: Dennis V. Geologist: Keith Robins
Drill Rig: CME 75 Drilling Method: 6 3/4" HSA
Sample Spoon I.D.: 2 inch Drive Hammer Wt.: 140 lbs
Date Started: 6/27/96 Date Completed: 6/27/96

Borehole Completion Depth: 26 FT
Borehole Diameter: 10 inch
Ground Surface El.: —

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM) PID	SAMPLE DESCRIPTION
-0-						Visual Log
						0-10' Dark Brown coarse to medium quartz sand grains, some fine to medium gravel, few cobbles. (damp)
10-	SS-1	10-12	3"	4,5 5,4	0.0	Brown medium to coarse qtz Sand, little gravel (damp)
12-	SS-2	12-14	—	8,9 10,19	—	No Recovery Hitting something hard / white powder at tip of spoon. (Concrete)
14-	SS-3	14-16	—	12,9 10,10	—	Hitting possible concrete. / unable to collect sample. Crushed Concrete in spld spoon. / dry
16-	SS-4	16-18	20"	4,5 8,13	0.0	Brown medium to coarse qtz Sand, some subrounded gravel, poorly sorted fine-coarse gravel. (dry)
18-	SS-5	18-20	19"	6,9 13,14	0.0	Light Brown coarse to medium Sand little-some qtz gravel. (damp)
20-	SS-6	20-22	18"	8,10 10,13	0.0	Light Brown to Brown coarse to medium sand, fine subrounded loose gravel. (damp)
22-	SS-7	22-24	15"	6,6 8,14	0.0	Light Brown medium to coarse qtz Sand, some subangular qtz gravel, poorly sorted loose. (damp/dry)
24-	SS-8	24-26	10"	7,7 12,15	0.0	Brown coarse to medium Sand some gravel.
26-						END OF BORING AT 26 FT.
28-						

Remarks: Soil samples selected for laboratory analysis at (14-16') and (24-26').

Water Level Measurement _____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

DVIRKA AND BARTILUCCI

Project No.: 1167-55
Project Name: GRUMMAN Sale 8

Well/Boring No.: SSBH-10
Sheet 1 of 1
By: KSR Date: 6/25/96
Chk'd: _____ Date: _____

Drilling Contractor: John Errington
Driller: Dennis V. Geologist: Keith Robins
Drill Rig: CME 75 Drilling Method: 6 1/4" HSA
Sample Spoon I.D.: 2 inch Drive Hammer Wt.: 140 lbs
Date Started: 6/25/96 Date Completed: 6/25/96

Borehole Completion Depth: 26 FT
Borehole Diameter: 10 inch
Ground Surface El.: —

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM) (PID)	SAMPLE DESCRIPTION
0						Visual log (0-10') Brown medium sand and gravel, (dry)
1						
	SS-1	10-12	3"	6,12, 26,38	0.0	Crushed concrete, conglomerate, and gravel. (dry)
2						
	SS-2	12-14	9"	4,7 8,12	0.0	Brown medium to coarse quartz Sand, gravel (dry-damp)
14						
	SS-3	14-16	12"	4,5 9,10	0.0	Brown medium to coarse quartz Subrounded Sand, damp, little fine gravel.
16						
	SS-4	16-18	12"	6,9 10,17	0.0	Brown medium to coarse quartz Sand, subrounded (damp)
18						
	SS-5	18-20	12"	6,10 13,15	0.0	Brown Medium to coarse Sand, fine gravel.
22	SS-6	20-22	10"	5,12 18,18	0.0	Brown fine to coarse quartz Sand, some gravel subrounded and rock fragments. (dry-damp)
24	SS-7	22-24	10"	8,12, 15,18	0.0	Brown coarse quartz Sand and fine gravel
26	SS-8	24-26	10"	4,5 5,10	0.0	Brown medium to coarse quartz Sand and fine gravel. (damp)
						END OF BORING AT 26 FT

Remarks: Soil samples (12-14) and (20-22) selected for laboratory analysis

Water Level Measurement _____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

DVIRKA AND BARTILUCCI

Project No.: 1167-55
Project Name: GRUMMAN Site 2

Well/Boring No.: S8BH-11
Sheet 1 of 3
By: KSR Date: 6/24/96
Chk'd: _____ Date: _____

Drilling Contractor: John Emmington
Driller: Dennis V. Geologist: Keith Robins
Drill Rig: CME 75 Drilling Method: 10 1/4 HSA
Sample Spoon I.D.: 2 inch Drive Hammer Wt.: 140 lbs.
Date Started: 6/24/96 Date Completed: 6/24/96

Borehole Completion Depth: 60 FT
Borehole Diameter: 10 inch
Ground Surface El.: —

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM) (PID)	SAMPLE DESCRIPTION
0						Visual log 0-5' Brown Sand and cobbles, gravel, trace roots.
2						
4	SS-1	5-7	11"	13,15 19,26	0.0	Dark Brown Sand medium-coarse, some concrete, gravel, rock fragments, black fine gravel, brick fragments (dry)
6						
8						
10	SS-2	10-12	4"	15,15 17,22	0.0	crushed quartz rock and gravel dry - loose.
12						
14						
16	SS-3	15-17	6"	8,11 16,17	0.0	Brown coarse Sand and gravel, trace cobbles; poorly sorted. (damp)
18						
20						

Remarks: Soil samples selected for laboratory analysis from (20-22) (35-37) and (50-52).

Water Level Measurement _____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

DVIRKA AND BARTILUCCI

Project No.: 1167-55
Project Name: GRUMMAN Site 8

Well/Boring No.: SBH-11
Sheet 1 of 3
By: KSR Date: 6/24/96
Chk'd: _____ Date: _____

Drilling Contractor: John Emmgrton
Driller: Dennis V. Geologist: Keith Robins
Drill Rig: CME 75 Drilling Method: 6 1/4 HSA
Sample Spoon I.D.: 2 inch Drive Hammer Wt.: 140 lbs.
Date Started: 6/24/96 Date Completed: 6/24/96

Borehole Completion Depth: 60 Ft
Borehole Diameter: 10 inch
Ground Surface El.: —

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM) (PID)	SAMPLE DESCRIPTION
20						
22	SS-4	20-22	10"	6,8 6,8	0.0	Brown to Dark Brown medium to course quartz Sand, some fine gravel, light tan fine to coarse quartz sand. (damp)
24						
26	SS-5	25-27	21"	6,8, 13,24	0.0	Light Brown to Tan quartz fine to course Sand, some fine to medium quartz subrounded white gravel. (dry)
28						
30	SS-6	30-32	13"	7,7 12,17	0.0	Light Tan medium quartz sand, little coarse sand, little - trace fine gravel, trace coarse gravel.
32						
34						
36	SS-7	35-37	19"	4,4, 9,23	0.0	Brown to Tan coarse to medium quartz Sand, some gravel, trace iron staining. (damp)
38						
39						
40						

Remarks: Soil samples selected for laboratory analysis from (20-22), (35-37) and (50-52).

Water Level Measurement _____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

DVIRKA AND BARTILUCCI

Project No.: 1167-55
Project Name: GRUMMAN Site 8

Well/Boring No.: 38BH-11
Sheet 1 of 3
By: JCSR Date: 6/24/96
Chk'd: _____ Date: _____

Drilling Contractor: John Eminuton
Driller: Dennis V. Geologist: Keith Robins
Drill Rig: CME 75 Drilling Method: 3 1/4 HSA
Sample Spoon I.D.: 2 inch Drive Hammer Wt.: 140 lbs
Date Started: 6/24/96 Date Completed: 6/24/96

Borehole Completion Depth: 60 FT
Borehole Diameter: 10 inch
Ground Surface El.: —

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM) (PID)	SAMPLE DESCRIPTION
4-0	SS-8	40-42	15"	5,3 15,17	0.0	0-6" Brown to Tan medium quartz Sand 6"-15" Brown to PINK to White Fine Sand, alternating fine brown banning, trace white gray clay and silt seams, (damp)
42						
44	SS-9	45-47	13"	12,10 15,17	0.0	White to Pink - Reddish Fine Sand, with horizontal banning, little silt, well sorted. (damp)
46						
48						
50	SS10	50-52	15"	4,8 15,12	0.0	Brown to Tan to Gray fine Sand, some gray to white clay. (damp)
52						
54	SS11	55-57	9"	4,5 6,8	0.0	0-4" Brown to orange fine sand 4"-9" White fine Sand, trace silt.
58						
58	SS12	6062	12"	5,5 9,16	0.0	White fine quartz subrounded Sand. SATURATED — WT — 4 — 60 FT END OF BORING AT 60 FT
60						

Remarks: Soil samples selected for laboratory analysis from (20-22) (35-37) and (50-52).

Water Level Measurement _____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

BORING LOG

DVIRKA AND BARTILUCCI

Project No.: 1167-SS
Project Name: Grumman site 8

Well/Boring No.: SBBH-12
Sheet 1 of 2
By: KSR Date: 7/8/96
Chk'd: _____ Date: _____

Drilling Contractor: Millro Environmental
Driller: Rob ample Bound Geologist: Keith Robins
Drill Rig: Earth Probe 200 Drilling Method: Geoprobe
Sample Spoon I.D.: — Drive Hammer Wt.: —
Date Started: 7/8/96 Date Completed: 7/8/96

Borehole Completion Depth: 37 FT
Borehole Diameter: 2 inch
Ground Surface El.: —

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM) (PID)	SAMPLE DESCRIPTION
0	SS-1	0-2	4"	—	0.0	Dry, coarse Brown Sand and gravel.
2						
4	SS-2	5-7	15"	—	0.0	Dry, coarse to medium quartz Sand and fine gravel.
6						
8						
10	SS-3	10-12	15"	—	0.0	Dry, coarse quartz Brown to orange sand and small fine gravel.
12						
14						
16	SS-4	15-17	15"	—	0.0	Dry, Brown coarse quartz sand
18						
20						

Remarks: Selected soil samples for laboratory analysis from (5-7) (15-17) (25-27)

Water Level Measurement _____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

DVIRKA AND BARTILUCCI

Project No.: 1167-SS
Project Name: Grumman Site 8

Well/Boring No.: SBH-12
Sheet 2 of 2
By: KSR Date: 7/8/96
Chk'd: _____ Date: _____

Drilling Contractor: Millro Environmental
Driller: Rob Ample Bound Geologist: Keith Robins
Drill Rig: Earthprobe 200 Drilling Method: Geoprobe
Sample Spoon I.D.: — Drive Hammer Wt.: —
Date Started: 7/8/96 Date Completed: 7/8/96

Borehole Completion Depth: 37 FT
Borehole Diameter: 2 inch
Ground Surface El.: —

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM) (PID)	SAMPLE DESCRIPTION
20	SS-5	20-22	15"	—	0.0	Brown fine to medium Sand, well sorted trace silt, dry - damp.
22						
24						
26	SS-6	25-27	20"	—	0.0	Brown - Gray fine Sand, trace silt, well sorted, dry - damp
28						
30	SS-7	30-32	18"	—	0.0	Brown - Redish - pink fine Sand, well graded, SATURATED
32						
34	SS-8	35-37	18"	—	0.0	Black - Gray clay, some silt compacted. slighty plastic. (MOIST to wet).
36						
38						
40						END OF Boring at 37 FT

Remarks: selected soil samples for laboratory analysis from (5-7) (15-17) and (25-27)

Water Level Measurement _____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

DVIRKA AND BARTILUCCI

Project No.: 1167-55
Project Name: GRUMMAN Site 8

Well/Boring No.: SBH-13
Sheet 1 of 1
By: KSR Date: 6/27/96
Chk'd: _____ Date: _____

Drilling Contractor: John Emington
Driller: Dennis V.
Drill Rig: CME 75
Sample Spoon I.D.: 2 inch
Date Started: 6/27/96
Geologist: Keith Robins
Drilling Method: 4¼ Split Spoon
Drive Hammer Wt.: 140 lbs.
Date Completed: 6/27/96

Borehole Completion Depth: 4 FT
Borehole Diameter: 2 inch
Ground Surface El.: _____

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM) (PID)	SAMPLE DESCRIPTION
-0-						
-1-	SS-1	0-2	9,12 15,18	15"	0.0	0-12" Brown fine-medium Sand 12"-15" Brown fine-coarse Sand, gravel Brown clayey Sand in tip of split spoon.
-2-						
-3-	SS-2	2-4	10,5 5,8	15"	0.0	Dark Brown to Brown fine to coarse Sand, gravel subrounded. (damp-dry)
-4-						END OF SOIL BORING AT 4 FT
-5-						
-6-						
-7-						
-8-						
-9-						
-10						

Remarks: Soil samples from (0-2) and (2-4) selected for laboratory analysis

Water Level Measurement _____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

DVIRKA AND BARTILUCCI

Project No.: 1167-SS
Project Name: Grumman Site 8

Well/Boring No.: S8BH-14
Sheet 1 of 1
By: KSR Date: 6/27/96
Chk'd: _____ Date: _____

Drilling Contractor: Johnson
Driller: Dennis V. Geologist: Keith Robins
Drill Rig: CME 75 Drilling Method: Split spoon
Sample Spoon I.D.: 2 inch Drive Hammer Wt.: 140 lbs
Date Started: 6/27/96 Date Completed: 6/27/96

Borehole Completion Depth: 4 FT
Borehole Diameter: 2 inch
Ground Surface El.: —

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM) (PID)	SAMPLE DESCRIPTION
-0-						
-1-	SS-1	0-2	15"	12,15 11,14	0.0	Dark Brown fine to medium Sand, little gravel, trace silt (dry)
-2-						
-3-	SS-2	2-4	12"	13,9, 11,13	0.0	Brown - Dark Brown fine to medium Sand, little subangular gravel (damp)
-4-						END OF BORING AT 4 FEET
-5-						
-6-						
-7-						
-8-						
-9-						
-10						

Remarks: Soil sample selected for laboratory analysis (0-2) and (2-4)

Water Level Measurement _____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

DVIRKA AND BARTILUCCI

Project No.: 1167-SS
Project Name: GRUMMAN Site 8

Well/Boring No.: SBBH-15
Sheet 1 of 1
By: KSR Date: 6/27/96
Chk'd: _____ Date: _____

Drilling Contractor: John Emington
Driller: Dennis V. Geologist: Keith Robins
Drill Rig: CME 75 Drilling Method: Split Spoon
Sample Spoon I.D.: 2inch Drive Hammer Wt.: 140 lbs
Date Started: 6/27/96 Date Completed: 6/27/96

Borehole Completion Depth: 4 Ft
Borehole Diameter: 2inch
Ground Surface El.: _____

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM) (PID)	SAMPLE DESCRIPTION
-0-						
-1-	SS-1	0-2	15"	10,12 15,18	0.0	0-10" Black Top soil, gravel, silt 10"-15" Light Brown coarse sand, crushed rock, silt. (dry)
-2-						
-3-				9,5		Brown clayey gravel, course sand at (damp) tip.
-4-	SS-2	2-4	12"	4,7	0.0	END OF BORING AT 4.0 FEET
-5-						
-6-						
-7-						
-8-						
-9-						
-10						

Remarks: Soil sample selected for lab analysis (0-2) and (2-4)

Water Level Measurement _____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

DVIRKA AND BARTILUCCI

Project No.: 1167-SS
Project Name: GRUMMAN Site 8

Well/Boring No.: SBH-16
Sheet 1 of 1
By: KSR Date: 6/27/96
Chk'd: _____ Date: _____

Drilling Contractor: John Errington
Driller: Dennis V. Geologist: Keith Robins
Drill Rig: CME 75 Drilling Method: Splitspoon
Sample Spoon I.D.: 2 inch Drive Hammer Wt.: 140 lbs
Date Started: 6/27/96 Date Completed: 6/27/96

Borehole Completion Depth: 4 FT
Borehole Diameter: 2 inch
Ground Surface El.: —

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM) (PID)	SAMPLE DESCRIPTION
-0-						
-1-	SS-1	0-2	20"	9, 9 8, 9	0.0	0-10" Black slag, crushed, black sand Fill material 10"-20" Brown silty sand, some gravel, trace brick, gravel.
-2-						
-3-	SS-2	2-4	20"	13/15 14/15	0.0	Brown clayey Sand with gravel. (damp)
-4-						END OF SOIL BORING AT 4 FEET
-5-						
-6-						
-7-						
-8-						
-9-						
-10						

Remarks: Soil sample selected for laboratory analysis (0-2) and (2-4)

Water Level Measurement _____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

DVIRKA AND BARTILUCCI

Project No.: 1167-55
Project Name: Brymman Site 8

Well/Boring No.: SBH-17
Sheet 1 of 1
By: KSR Date: 6/27/96
Chk'd: _____ Date: _____

Drilling Contractor: John Errington
Driller: Dennis V. Geologist: Keith Robins
Drill Rig: CME 75 Drilling Method: Split Spoon
Sample Spoon I.D.: 2inch Drive Hammer Wt.: 140 lbs.
Date Started: 6/27/96 Date Completed: 6/27/96

Borehole Completion Depth: 4 FT
Borehole Diameter: 2 inch
Ground Surface El.: —

DEPTH (FT.)	SAMPLE NO.	SAMPLING INTERVAL	RECOVERY/ RQD	BLOWS/6"	HEADSPACE (PPM) (PID)	SAMPLE DESCRIPTION
-0-	SS-1	0-2	15"	13,15 14,14	0.0	Dark Brown to Light Brown clayey Sand mixed with some fine/medium Sand, brick, rock, gravel. (dry)
-1-						
-2-						
-3-	SS-2	2-4	15"	5,7, 2,3	0.0	Brown to Light orange clayey gravel slightly (damp-moist)
-4-						END OF BORING AT 4 Feet
-5-						
-6-						
-7-						
-8-						
-9-						
-10						

Remarks: Soil sample selected for laboratory analysis at (0-2) and (2-4)

Water Level Measurement _____ Date _____
_____ Date _____
_____ Date _____
_____ Date _____

BL

APPENDIX B

WELL CONSTRUCTION LOGS

Bertlucci
CONSULTING ENGINEERS

WELL CONSTRUCTION LOG

SITE Grumman Site 8 JOB NO. 1167-SS WELL NO. S8MW-2

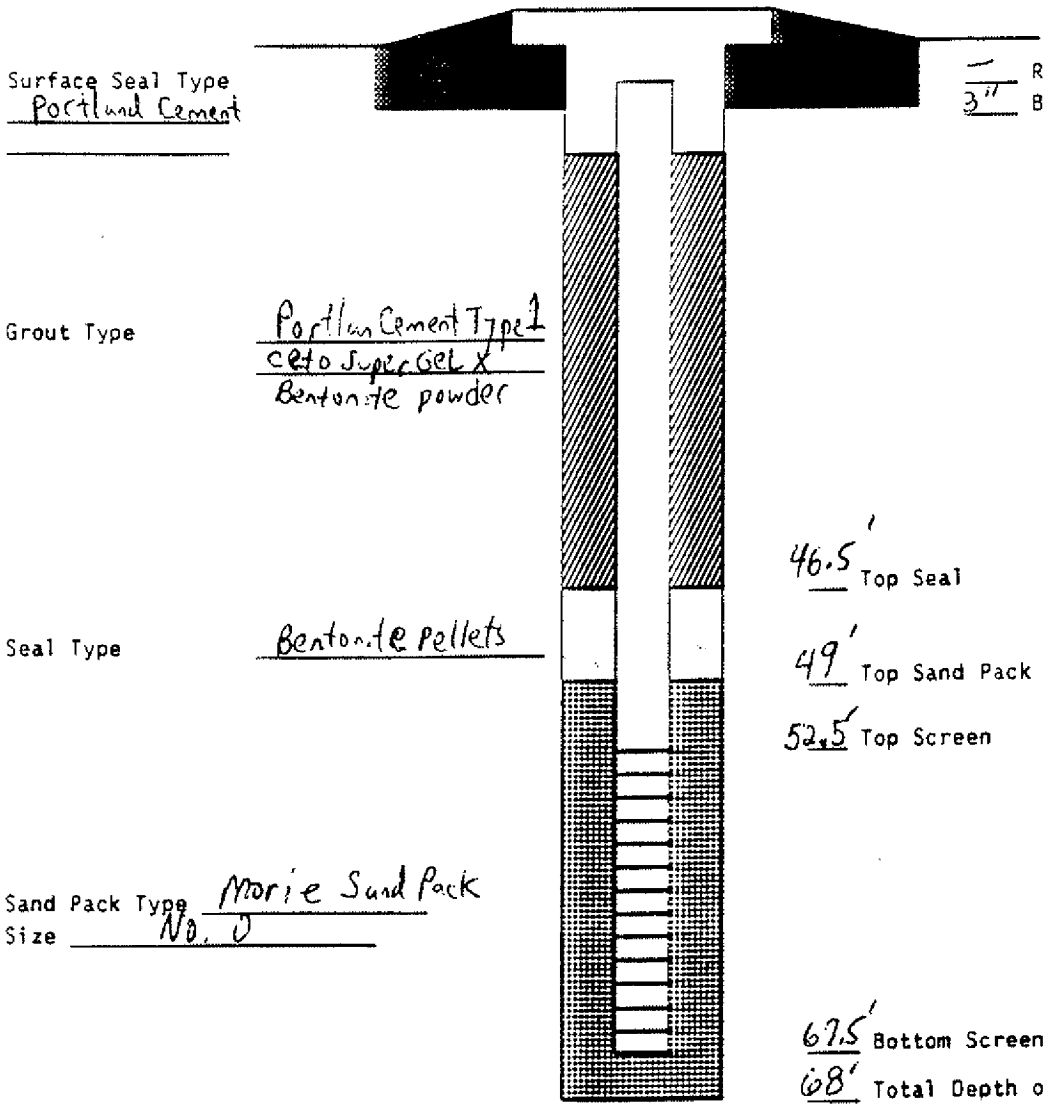
TOTAL DEPTH 67.5 FT SURFACE ELEV. — TOP RISER ELEV. —

WATER LEVELS (DEPTH, DATE, TIME) 59.50' 6/18/96 DATE INSTALLED 6/17/96

RISER DIA 2" MATERIAL PVC LENGTH 52.5'

SCREEN DIA 2" MATERIAL PVC LENGTH 15' SLOT SIZE 10 slot

SCHEMATIC



Bertlucci
CONSULTING ENGINEERS

WELL CONSTRUCTION LOG

SITE GRUMMAN Site 8 JOB NO. 1167-55 WELL NO. 58MW-3

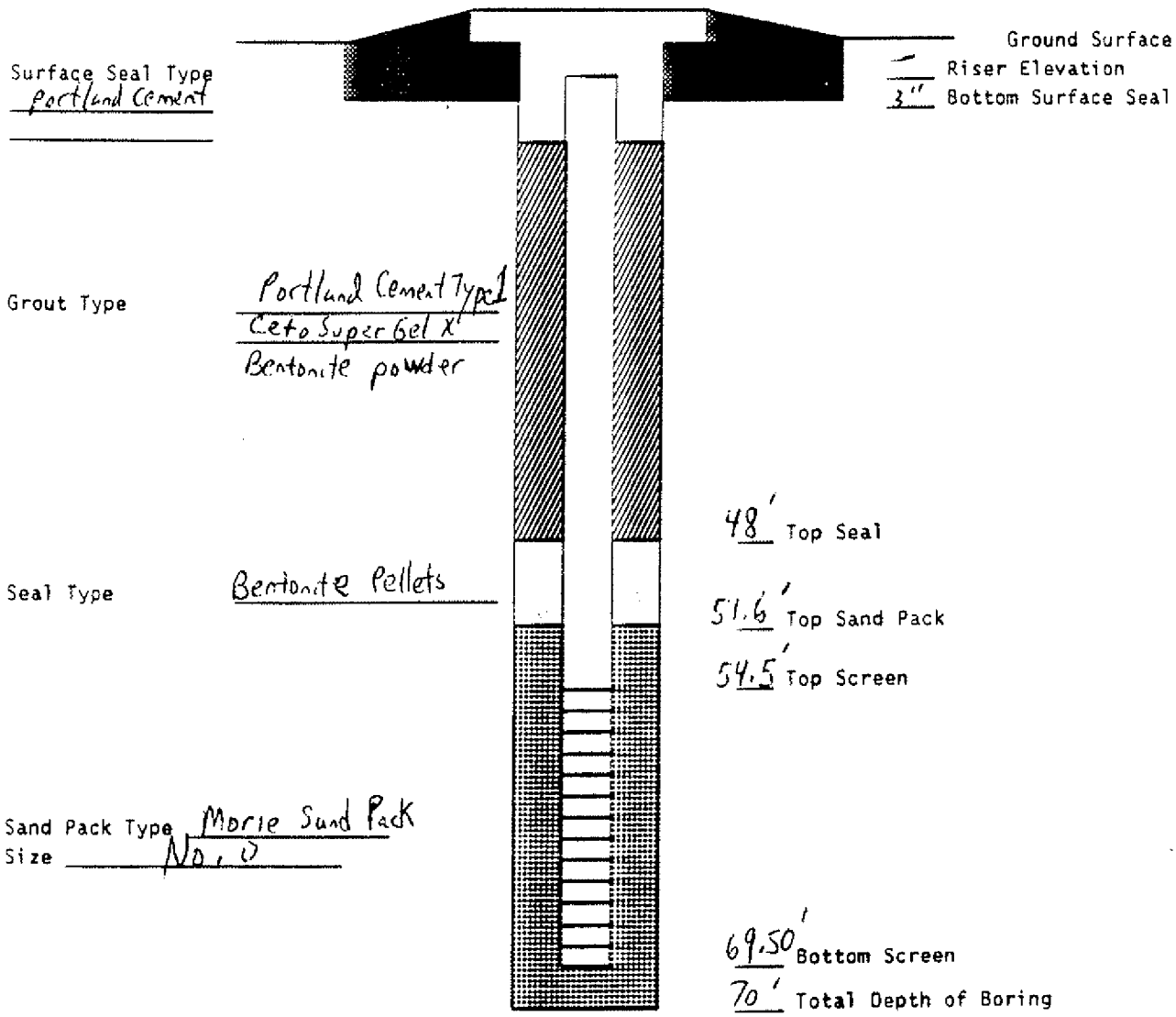
TOTAL DEPTH 69.50' SURFACE ELEV. — TOP RISER ELEV. —

WATER LEVELS (DEPTH, DATE, TIME) 60.9 6/19/96 DATE INSTALLED 6/19/96

RISER DIA 2" MATERIAL PVC LENGTH 54.5'

SCREEN DIA 2" MATERIAL PVC LENGTH 15' SLOT SIZE 10 slot

SCHEMATIC



APPENDIX C

LABORATORY DATA

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S8B322

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28100 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2810002

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N8807.D

Level: (low/med) LOW Date Received: 06/21/96

% Moisture: not dec. 5 Data Analyzed: 06/24/96

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	12	
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

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.: S8B322

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28100 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2810002

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N8807.D

Level: (low/med) LOW Date Received: 06/21/96

% Moisture: not dec. 5 Data Analyzed: 06/24/96

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.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S8B330

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28100 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2810003

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N8808.D

Level: (low/med) LOW Date Received: 06/21/96

% Moisture: not dec. 5 Data Analyzed: 06/24/96

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	6	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.

S8B330

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28100 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2810003

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N8808.D

Level: (low/med) LOW Date Received: 06/21/96

% Moisture: not dec. 5 Data Analyzed: 06/24/96

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.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
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18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S8B357

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28100 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2810006

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N8811.D

Level: (low/med) LOW Date Received: 06/21/96

% Moisture: not dec. 5 Data Analyzed: 06/24/96

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	8	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.

S8B357

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28100 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2810006

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N8811.D

Level: (low/med) LOW Date Received: 06/21/96

% Moisture: not dec. 5 Data Analyzed: 06/24/96

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	22.001	8	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

S8B322

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28100 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2810002

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2049.D

Level: (low/med) LOW Date Received: 06/21/96

% Moisture: 5 decanted: (Y/N) N Date Extracted: 06/22/96

Concentrated Extract Volume: 500(UL) Date Analyzed: 06/24/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	1700	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	1700	U
83-32-9	Acenaphthene	350	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

S83322

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28100 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2810002

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2049.D

Level: (low/med) LOW Date Received: 06/21/96

% Moisture: 5 decanted: (Y/N) N Date Extracted:06/22/96

Concentrated Extract Volume: 500(UL) Date Analyzed: 06/24/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.3

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	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	1700	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	700	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)phthalate	350	U
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenz(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	U
100-51-6	Benzyl Alcohol	350	U
65-85-0	Benzoic Acid	1700	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

S8B322

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28100 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2810002

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2049.D

Level: (low/med) LOW Date Received: 06/21/96

% Moisture: 5 decanted: (Y/N) N Date Extracted:06/22/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/24/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.3

Number TICs found: 7

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN HYDROCARBON	2.628	200	JB
2.		UNKNOWN	2.680	480	J
3.		UNKNOWN ALDOL	2.836	410	AJB
4.		UNKNOWN	3.009	290	JB
5.		UNKNOWN	3.078	150	J
6.		UNKNOWN	3.181	130	JB
7.		UNKNOWN	19.551	71	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

S8B330

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28100 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2810003

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2050.D

Level: (low/med) LOW Date Received: 06/21/96

% Moisture: 5 decanted: (Y/N) N Date Extracted:06/22/96

Concentrated Extract Volume: 500(UL) Date Analyzed: 06/24/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	1700	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	1700	U
83-32-9	Acenaphthene	350	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

S8B330

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28100 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2810003

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2050.D

Level: (low/med) LOW Date Received: 06/21/96

% Moisture: 5 decanted: (Y/N) N Date Extracted: 06/22/96

Concentrated Extract Volume: 500(UL) Date Analyzed: 06/24/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.5

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	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	1700	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	700	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)phthalate	350	U
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenz(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	U
100-51-6	Benzyl Alcohol	350	U
65-85-0	Benzoic Acid	1700	U

(1) - Cannot be separated from Diphenylamine

000024

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO

S8B330

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28100 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2810003

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2050.D

Level: (low/med) LOW Date Received: 06/21/96

% Moisture: 5 decanted: (Y/N) N Date Extracted: 06/22/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/24/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.5

Number TICs found: 9

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN HYDROCARBON	2.628	580	JB
2.		UNKNOWN HYDROCARBON	2.680	1000	JB
3.		UNKNOWN ALDOL	2.835	600	AJB
4.		UNKNOWN	3.008	220	JB
5.		UNKNOWN	3.181	240	JB
6.		UNKNOWN	4.184	74	J
7.		UNKNOWN	18.254	140	J
8.		UNKNOWN HYDROCARBON	19.119	72	J
9.		UNKNOWN HYDROCARBON	19.534	80	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

S8B357

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28100 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2810006

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2054.D

Level: (low/med) LOW Date Received: 06/21/96

% Moisture: 5 decanted: (Y/N) N Date Extracted:06/22/96

Concentrated Extract Volume: 500(UL) Date Analyzed: 06/24/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	350	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

S8B357

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28100 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2810006

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2054.D

Level: (low/med) LOW Date Received: 06/21/96

% Moisture: 5 decanted: (Y/N) N Date Extracted: 06/22/96

Concentrated Extract Volume: 500(UL) Date Analyzed: 06/24/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.9

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	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	700	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)phthalate	350	U
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenz(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	U
100-51-6	Benzyl Alcohol	350	U
65-85-0	Benzoic Acid	1800	U

(1) - Cannot be separated from Diphenylamine

000027

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

S8B357

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28100 SAS No.: SDG No.: GRUM8

Matrix. (soil/water) SOIL Lab Sample ID: 2810006

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2054.D

Level: (low/med) LOW Date Received: 06/21/96

% Moisture: 5 decanted: (Y/N) N Date Extracted:06/22/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/24/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.9

Number TICs found: 7

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN HYDROCARBON	2.632	590	JB
2.		UNKNOWN HYDROCARBON	2.684	970	JB
3.		UNKNOWN ALDOL	2.840	930	AJB
4.		UNKNOWN	2.995	260	JB
5.		UNKNOWN	3.082	240	J
6.		UNKNOWN	3.203	110	JB
7.		UNKNOWN	18.241	90	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH402

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2817703

Sample wt/vol: 5.0 (g/mL) G Lab File ID: P1385.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 7 Data Analyzed: 07/01/96

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	11	U
67-64-1	Acetone	11	U
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	11	U
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

EPA SAMPLE NO.

SBH402

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2817703

Sample wt/vol: 5.0 (g/mL) G Lab File ID: P1385.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 7 Data Analyzed: 07/01/96

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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LA

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH424

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2817704

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M0772.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 19 Data Analyzed: 07/04/96

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	9	JB
67-64-1	Acetone	12	U
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)	12	U
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	12	U
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	7	J
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

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBH424

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2817704

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M0772.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 19 Data Analyzed: 07/04/96

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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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH502

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2817705

Sample wt/vol: 5.0 (g/mL) G Lab File ID: P1387.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 7 Data Analyzed: 07/01/96

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	11	U
67-64-1	Acetone	11	U
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	11	U
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.

SBH502

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2817705

Sample wt/vol: 5.0 (g/mL) G Lab File ID: P1387.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 7 Data Analyzed: 07/01/96

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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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH524

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2817706

Sample wt/vol: 5.0 (g/mL) G Lab File ID: P1388.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 8 Data Analyzed: 07/01/96

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	11	U
67-64-1	Acetone	11	U
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	11	U
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

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBH524

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2817706

Sample wt/vol: 5.0 (g/mL) G Lab File ID: P1388.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 8 Data Analyzed: 07/01/96

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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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.: SBH602

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2817707

Sample wt/vol: 5.0 (g/mL) G Lab File ID: P1389.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 10 Data Analyzed: 07/01/96

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	11	U
67-64-1	Acetone	11	U
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	11	U
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.

SBH602

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2817707

Sample wt/vol: 5.0 (g/mL) G Lab File ID: P1389.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 10 Data Analyzed: 07/01/96

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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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.: SBH624

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2817708

Sample wt/vol: 5.0 (g/mL) G Lab File ID: P1390.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 8 Data Analyzed: 07/01/96

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	11	U
67-64-1	Acetone	11	U
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	11	U
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.

SBH624

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2817708

Sample wt/vol: 5.0 (g/mL) G Lab File ID: P1390.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 8 Data Analyzed: 07/01/96

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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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH402

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) SOIL Lab Sample ID: 2817703

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2278.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 7 dec. Date Extracted: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/02/96

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)Ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
59-50-7	4-Chloro-3-Methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethylphthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	360	U

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH402

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) SOIL Lab Sample ID: 2817703

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2278.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 7 dec. Date Extracted: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/02/96

GPC Cleanup: (Y/N) N pH: 7.3 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	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	360	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	65	J
120-12-7	Anthracene	360	U
86-74-8	Carbazole	360	U
84-74-2	Di-n-butylphthalate	450	
206-44-0	Fluoranthene	150	J
129-00-0	Pyrene	110	J
85-68-7	Butylbenzylphthalate	220	J
91-94-1	3,3'-Dichlorobenzidine	720	U
56-55-3	Benzo(a)anthracene	73	J
218-01-9	Chrysene	88	J
117-81-7	bis(2-Ethylhexyl)phthalate	71	J
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo(b)fluoranthene	95	J
207-08-9	Benzo(k)fluoranthene	60	J
50-32-8	Benzo(a)pyrene	88	J
193-39-5	Indeno(1,2,3-cd)pyrene	50	J
53-70-3	Dibenz(a,h)anthracene	360	U
191-24-2	Benzo(g,h,i)perylene	52	J
100-51-6	Benzyl Alcohol	360	U
65-85-0	Benzoic Acid	1800	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH402

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) SOIL Lab Sample ID: 2817703

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2278.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 7 dec. Date Extracted: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/02/96

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 1.0

Number TICs found: 19

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	1.881	110	JB
2.		UNKNOWN HYDROCARBON	2.021	310	JB
3.		UNKNOWN HYDROCARBON	2.085	110	J
4.		UNKNOWN	2.246	140	J
5.		UNKNOWN HYDROCARBON	2.311	180	J
6.		UNKNOWN ALDOL	2.429	11000	AJB
7.		UNKNOWN HYDROCARBON	2.493	540	J
8.		UNKNOWN HYDROCARBON	2.547	920	JB
9.		UNKNOWN HYDROCARBON	2.601	1600	J
10.		UNKNOWN HYDROCARBON	2.751	110	J
11.		UNKNOWN ALDOL	2.816	390	AJB
12.		UNKNOWN	3.052	1100	J
13.		UNKNOWN	3.181	150	JB
14.		UNKNOWN	3.804	1500	J
15.		UNKNOWN	14.255	78	J
16.		UNKNOWN AROMATIC	15.953	160	J
17.		UNKNOWN AROMATIC	17.918	83	J
18.		UNKNOWN AROMATIC	20.485	180	J
19.		UNKNOWN AROMATIC	22.075	110	J
20.					
21.					
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH424

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) SOIL Lab Sample ID: 2817704

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2279.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 19 dec. Date Extracted: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/02/96

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)Ether	410	U
95-57-8	2-Chlorophenol	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	410	U
95-50-1	1,2-Dichlorobenzene	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-di-n-propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
120-83-2	2,4-Dichlorophenol	410	U
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
111-91-1	bis(2-Chloroethoxy)methane	410	U
59-50-7	4-Chloro-3-Methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	2000	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	2000	U
131-11-3	Dimethylphthalate	410	U
208-96-8	Acenaphthylene	410	U
606-20-2	2,6-Dinitrotoluene	410	U
99-09-2	3-Nitroaniline	2000	U
83-32-9	Acenaphthene	410	U

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH424

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) SOIL Lab Sample ID: 2817704

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2279.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 19 dec. Date Extracted: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/02/96

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2000	U
100-02-7	4-Nitrophenol	2000	U
132-64-9	Dibenzofuran	410	U
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
86-73-7	Fluorene	410	U
100-01-6	4-Nitroaniline	2000	U
534-52-1	4,6-Dinitro-2-methylphenol	2000	U
86-30-6	N-Nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	2000	U
85-01-8	Phenanthrene	58	J
120-12-7	Anthracene	410	U
86-74-8	Carbazole	410	U
84-74-2	Di-n-butylphthalate	2400	
206-44-0	Fluoranthene	130	J
129-00-0	Pyrene	78	J
85-68-7	Butylbenzylphthalate	5700	E
91-94-1	3,3'-Dichlorobenzidine	820	U
56-55-3	Benzo(a)anthracene	51	J
218-01-9	Chrysene	64	J
117-81-7	bis(2-Ethylhexyl)phthalate	140	J
117-84-0	Di-n-octylphthalate	410	U
205-99-2	Benzo(b)fluoranthene	48	J
207-08-9	Benzo(k)fluoranthene	46	J
50-32-8	Benzo(a)pyrene	62	J
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
53-70-3	Dibenz(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	410	U
100-51-6	Benzyl Alcohol	410	U
65-85-0	Benzoic Acid	2000	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH424

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) SOIL Lab Sample ID: 2817704

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2279.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 19 dec. Date Extracted:07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/02/96

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.0

Number TICs found: 21

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	1.881	130	JB
2.		UNKNOWN HYDROCARBON	2.021	210	JB
3.		UNKNOWN HYDROCARBON	2.085	98	J
4.		UNKNOWN	2.246	99	J
5.		UNKNOWN	2.311	120	JB
6.		UNKNOWN ALDOL	2.418	11000	AJB
7.		UNKNOWN	2.493	350	J
8.		UNKNOWN HYDROCARBON	2.547	750	JB
9.		UNKNOWN	2.601	1300	JB
10.		UNKNOWN ALDOL	2.816	420	AJB
11.		UNKNOWN	3.052	1100	J
12.		UNKNOWN	3.181	160	JB
13.		UNKNOWN AROMATIC	9.432	96	J
14.		UNKNOWN AROMATIC	13.922	120	J
15.		UNKNOWN AROMATIC	14.116	130	J
16.		UNKNOWN	14.255	300	J
17.		UNKNOWN AROMATIC	15.952	430	J
18.		UNKNOWN AROMATIC	16.253	120	J
19.		UNKNOWN AROMATIC	17.102	320	J
20.		UNKNOWN	20.485	210	J
21.		UNKNOWN AROMATIC	22.086	180	J
22.					
23.					
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH424DL

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) SOIL Lab Sample ID: 2817704

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R1443.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 19 dec. Date Extracted: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/02/96

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 4.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1600	U
111-44-4	bis(2-Chloroethyl)Ether	1600	U
95-57-8	2-Chlorophenol	1600	U
541-73-1	1,3-Dichlorobenzene	1600	U
106-46-7	1,4-Dichlorobenzene	1600	U
95-50-1	1,2-Dichlorobenzene	1600	U
95-48-7	2-Methylphenol	1600	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1600	U
106-44-5	4-Methylphenol	1600	U
621-64-7	N-Nitroso-di-n-propylamine	1600	U
67-72-1	Hexachloroethane	1600	U
98-95-3	Nitrobenzene	1600	U
78-59-1	Isophorone	1600	U
88-75-5	2-Nitrophenol	1600	U
105-67-9	2,4-Dimethylphenol	1600	U
120-83-2	2,4-Dichlorophenol	1600	U
120-82-1	1,2,4-Trichlorobenzene	1600	U
91-20-3	Naphthalene	1600	U
106-47-8	4-Chloroaniline	1600	U
87-68-3	Hexachlorobutadiene	1600	U
111-91-1	bis(2-Chloroethoxy)methane	1600	U
59-50-7	4-Chloro-3-Methylphenol	1600	U
91-57-6	2-Methylnaphthalene	1600	U
77-47-4	Hexachlorocyclopentadiene	1600	U
88-06-2	2,4,6-Trichlorophenol	1600	U
95-95-4	2,4,5-Trichlorophenol	8200	U
91-58-7	2-Chloronaphthalene	1600	U
88-74-4	2-Nitroaniline	8200	U
131-11-3	Dimethylphthalate	1600	U
208-96-8	Acenaphthylene	1600	U
606-20-2	2,6-Dinitrotoluene	1600	U
99-09-2	3-Nitroaniline	8200	U
83-32-9	Acenaphthene	1600	U

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH424DL

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) SOIL Lab Sample ID: 2817704

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R1443.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 19 dec. Date Extracted: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/02/96

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 4.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	8200	U
100-02-7	4-Nitrophenol	8200	U
132-64-9	Dibenzofuran	1600	U
121-14-2	2,4-Dinitrotoluene	1600	U
84-66-2	Diethylphthalate	1600	U
7005-72-3	4-Chlorophenyl-phenylether	1600	U
86-73-7	Fluorene	1600	U
100-01-6	4-Nitroaniline	8200	U
534-52-1	4,6-Dinitro-2-methylphenol	8200	U
86-30-6	N-Nitrosodiphenylamine (1)	1600	U
101-55-3	4-Bromophenyl-phenylether	1600	U
118-74-1	Hexachlorobenzene	1600	U
87-86-5	Pentachlorophenol	8200	U
85-01-8	Phenanthrene	1600	U
120-12-7	Anthracene	1600	U
86-74-8	Carbazole	1600	U
84-74-2	Di-n-butylphthalate	2500	D
206-44-0	Fluoranthene	1600	U
129-00-0	Pyrene	1600	U
85-68-7	Butylbenzylphthalate	12000	D
91-94-1	3,3'-Dichlorobenzidine	3300	U
56-55-3	Benzo(a)anthracene	1600	U
218-01-9	Chrysene	1600	U
117-81-7	bis(2-Ethylhexyl)phthalate	1600	U
117-84-0	Di-n-octylphthalate	1600	U
205-99-2	Benzo(b)fluoranthene	1600	U
207-08-9	Benzo(k)fluoranthene	1600	U
50-32-8	Benzo(a)pyrene	1600	U
193-39-5	Indeno(1,2,3-cd)pyrene	1600	U
53-70-3	Dibenz(a,h)anthracene	1600	U
191-24-2	Benzo(g,h,i)perylene	1600	U
100-51-6	Benzyl Alcohol	1600	U
65-85-0	Benzoic Acid	8200	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH424DL

Lab Name: NYTEST ENV INC. Contract. 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) SOIL Lab Sample ID: 2817704

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R1443.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 19 dec. Date Extracted:07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/02/96

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 4.0

Number TICs found: 8

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALDOL	3.288	16000	AJBD
2.		UNKNOWN	3.410	1400	JBD
3.		UNKNOWN	3.462	1400	JBD
4.		UNKNOWN	3.915	960	JBD
5.		UNKNOWN	4.906	580	JD
6.		UNKNOWN AROMATIC	16.488	980	JD
7.		UNKNOWN AROMATIC	18.175	700	JD
8.		UNKNOWN	26.610	350	JD
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH502

Lab Name: NYTEST ENV INC. Contract. 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) SOIL Lab Sample ID: 2817705

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2280.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 7 dec. Date Extracted: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/02/96

GPC Cleanup: (Y/N) N pH: 7.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)Ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
59-50-7	4-Chloro-3-Methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethylphthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	360	U

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH502

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) SOIL Lab Sample ID: 2817705

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2280.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 7 dec. Date Extracted: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/02/96

GPC Cleanup: (Y/N) N pH: 7.1 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	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	360	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	51	J
120-12-7	Anthracene	360	U
86-74-8	Carbazole	360	U
84-74-2	Di-n-butylphthalate	44	J
206-44-0	Fluoranthene	120	J
129-00-0	Pyrene	77	J
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	720	U
56-55-3	Benzo(a)anthracene	46	J
218-01-9	Chrysene	62	J
117-81-7	bis(2-Ethylhexyl)phthalate	42	J
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo(b)fluoranthene	65	J
207-08-9	Benzo(k)fluoranthene	52	J
50-32-8	Benzo(a)pyrene	58	J
193-39-5	Indeno(1,2,3-cd)pyrene	36	J
53-70-3	Dibenz(a,h)anthracene	360	U
191-24-2	Benzo(g,h,i)perylene	360	U
100-51-6	Benzyl Alcohol	360	U
65-85-0	Benzoic Acid	1800	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH502

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) SOIL Lab Sample ID: 2817705

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2280.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 7 dec. Date Extracted: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/02/96

GPC Cleanup: (Y/N) N pH: 7.1 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	1.889	91	JB
2.		UNKNOWN	2.029	280	J
3.		UNKNOWN	2.094	97	JB
4.		UNKNOWN	2.265	120	JB
5.		UNKNOWN	2.308	160	JB
6.		UNKNOWN ALDOL	2.437	12000	AJB
7.		UNKNOWN	2.491	530	J
8.		UNKNOWN HYDROCARBON	2.545	950	JB
9.		UNKNOWN	2.609	1600	JB
10.		UNKNOWN ALDOL	2.813	460	AJB
11.		UNKNOWN	3.050	940	J
12.		UNKNOWN	3.168	310	JB
13.		UNKNOWN	3.812	700	J
14.		UNKNOWN AROMATIC	17.604	140	J
15.		UNKNOWN	20.483	120	J
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH524

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) SOIL Lab Sample ID: 2817706

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2284.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 8 dec. Date Extracted: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/02/96

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)Ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
59-50-7	4-Chloro-3-Methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethylphthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	57	J

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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH524

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) SOIL Lab Sample ID: 2817706

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2284.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 8 dec. Date Extracted: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/02/96

GPC Cleanup: (Y/N) N pH: 7.0 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	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	45	J
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	460	
120-12-7	Anthracene	90	J
86-74-8	Carbazole	69	J
84-74-2	Di-n-butylphthalate	2600	
206-44-0	Fluoranthene	1000	
129-00-0	Pyrene	440	
85-68-7	Butylbenzylphthalate	1400	
91-94-1	3,3'-Dichlorobenzidine	720	U
56-55-3	Benzo(a)anthracene	310	J
218-01-9	Chrysene	370	
117-81-7	bis(2-Ethylhexyl)phthalate	300	J
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo(b)fluoranthene	370	
207-08-9	Benzo(k)fluoranthene	320	J
50-32-8	Benzo(a)pyrene	330	J
193-39-5	Indeno(1,2,3-cd)pyrene	110	J
53-70-3	Dibenz(a,h)anthracene	360	U
191-24-2	Benzo(g,h,i)perylene	96	J
100-51-6	Benzyl Alcohol	360	U
65-85-0	Benzoic Acid	1800	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH524

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) SOIL Lab Sample ID: 2817706

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2284.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 8 dec. Date Extracted: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/02/96

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

Number TICs found: 20

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.018	360	J
2.		UNKNOWN	2.233	240	J
3.		UNKNOWN ALDOL	2.437	14000	AJB
4.		UNKNOWN	2.491	690	J
5.		UNKNOWN HYDROCARBON	2.545	1300	JB
6.		UNKNOWN HYDROCARBON	2.609	2100	J
7.		UNKNOWN ALDOL	2.813	750	AJB
8.		UNKNOWN	3.049	1900	J
9.		UNKNOWN	3.168	280	JB
10.		UNKNOWN	3.801	880	J
11.		UNKNOWN	11.277	230	J
12.		UNKNOWN AROMATIC	14.264	240	J
13.		UNKNOWN AROMATIC	15.961	470	J
14.		UNKNOWN AROMATIC	16.272	170	J
15.		UNKNOWN AROMATIC	17.110	240	J
16.		UNKNOWN HYDROCARBON	17.583	200	J
17.		UNKNOWN AROMATIC	17.916	340	J
18.		UNKNOWN HYDROCARBON	18.743	270	J
19.		UNKNOWN	20.504	420	J
20.		UNKNOWN AROMATIC	22.105	200	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH602

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) SOIL Lab Sample ID: 2817707

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2281.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 10 dec. Date Extracted: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/02/96

GPC Cleanup: (Y/N) N pH: 7.5 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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.: SBH602

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) SOIL Lab Sample ID: 2817707

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2281.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 10 dec. Date Extracted: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/02/96

GPC Cleanup: (Y/N) N pH: 7.5 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	40	J
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	92	J
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-butylphthalate	71	J
206-44-0	Fluoranthene	220	J
129-00-0	Pyrene	120	J
85-68-7	Butylbenzylphthalate	800	
91-94-1	3,3'-Dichlorobenzidine	740	U
56-55-3	Benzo(a)anthracene	77	J
218-01-9	Chrysene	88	J
117-81-7	bis(2-Ethylhexyl)phthalate	370	U
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	77	J
207-08-9	Benzo(k)fluoranthene	65	J
50-32-8	Benzo(a)pyrene	83	J
193-39-5	Indeno(1,2,3-cd)pyrene	38	J
53-70-3	Dibenz(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	40	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.

SBH602

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) SOIL Lab Sample ID: 2817707

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2281.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 10 dec. Date Extracted: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/02/96

GPC Cleanup: (Y/N) N pH: 7.5 Dilution Factor: 1.0

Number TICs found: 13

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	1.889	210	JB
2.		UNKNOWN HYDROCARBON	2.018	160	JB
3.		UNKNOWN	2.308	110	JB
4.		UNKNOWN ALDOL	2.416	10000	AJB
5.		UNKNOWN HYDROCARBON	2.491	280	J
6.		UNKNOWN HYDROCARBON	2.545	490	JB
7.		UNKNOWN	2.598	890	JB
8.		UNKNOWN ALDOL	2.813	780	AJB
9.		UNKNOWN	3.060	440	J
10.		UNKNOWN	3.167	550	JB
11.		UNKNOWN	3.833	240	J
12.		UNKNOWN AROMATIC	17.099	180	J
13.		UNKNOWN AROMATIC	20.494	330	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH624

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) SOIL Lab Sample ID: 2817708

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2282.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 8 dec. Date Extracted: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/02/96

GPC Cleanup: (Y/N) N pH: 6.9 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)Ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
59-50-7	4-Chloro-3-Methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethylphthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	360	U

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH624

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) SOIL Lab Sample ID: 2817708

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2282.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 8 dec. Date Extracted: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/02/96

GPC Cleanup: (Y/N) N pH: 6.9 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	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	360	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	110	J
120-12-7	Anthracene	360	U
86-74-8	Carbazole	360	U
84-74-2	Di-n-butylphthalate	360	U
206-44-0	Fluoranthene	230	J
129-00-0	Pyrene	120	J
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	720	U
56-55-3	Benzo(a)anthracene	76	J
218-01-9	Chrysene	92	J
117-81-7	bis(2-Ethylhexyl)phthalate	39	J
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo(b)fluoranthene	80	J
207-08-9	Benzo(k)fluoranthene	72	J
50-32-8	Benzo(a)pyrene	84	J
193-39-5	Indeno(1,2,3-cd)pyrene	41	J
53-70-3	Dibenz(a,h)anthracene	360	U
191-24-2	Benzo(g,h,i)perylene	43	J
100-51-6	Benzyl Alcohol	360	U
65-85-0	Benzoic Acid	1800	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH624

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) SOIL Lab Sample ID: 2817708

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2282.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 8 dec. Date Extracted: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/02/96

GPC Cleanup: (Y/N) N pH: 6.9 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	1.889	200	JB
2.		UNKNOWN	2.018	110	J
3.		UNKNOWN	2.308	89	JB
4.		UNKNOWN ALDOL	2.405	8600	AJB
5.		UNKNOWN HYDROCARBON	2.490	270	J
6.		UNKNOWN HYDROCARBON	2.544	470	JB
7.		UNKNOWN HYDROCARBON	2.598	830	J
8.		UNKNOWN	2.759	100	J
9.		UNKNOWN ALDOL	2.813	640	AJB
10.		UNKNOWN	3.060	570	J
11.		UNKNOWN	3.178	290	JB
12.		UNKNOWN	3.833	180	J
13.		UNKNOWN AROMATIC	11.309	79	J
14.		UNKNOWN AROMATIC	20.493	440	J
15.		UNKNOWN AROMATIC	20.740	100	J
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17.					
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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SBH402

Lab Name: NYTEST_ENV_INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: GRUM82

Matrix (soil/water): SOIL Lab Sample ID: 817703

Level (low/med): LOW Date Received: 06/28/96

% Solids: 92.9

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	0.54	B	N	P
7440-38-2	Arsenic	5.4			P
7440-41-7	Beryllium	0.01	U		P
7440-43-9	Cadmium	1.6			P
7440-47-3	Chromium	18.9			P
7440-50-8	Copper	45.5		N	P
7439-92-1	Lead	18.0			P
7439-97-6	Mercury	0.15			CV
7440-02-0	Nickel	7.2			P
7782-49-2	Selenium	1.1		*	P
7440-22-4	Silver	1.8			P
7440-28-0	Thallium	1.3			P
7440-66-6	Zinc	38.7		*	P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

FORM I - IN ILM03.0

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SBH424

Lab Name: NYTEST_ENV_INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: GRUM82

Matrix (soil/water): SOIL Lab Sample ID: 817704

Level (low/med): LOW Date Received: 06/28/96

% Solids: 81.3

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	0.73	B	N	P
7440-38-2	Arsenic	4.5			P
7440-41-7	Beryllium	0.01	U		P
7440-43-9	Cadmium	1.2			P
7440-47-3	Chromium	18.7			P
7440-50-8	Copper	51.8		N	P
7439-92-1	Lead	16.1			P
7439-97-6	Mercury	0.12	U		CV
7440-02-0	Nickel	7.7			P
7782-49-2	Selenium	1.4		*	P
7440-22-4	Silver	2.3			P
7440-28-0	Thallium	1.5			P
7440-66-6	Zinc	39.5		*	P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

FORM I - IN ILM03.0

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SBH502

Lab Name: NYTEST_ENV_INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177_ SAS No.: _____ SDG No.: GRUM82

Matrix (soil/water): SOIL_ Lab Sample ID: 817705

Level (low/med): LOW__ Date Received: 06/28/96

% Solids: _93.2

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	0.86	B	N	P
7440-38-2	Arsenic	5.8			P
7440-41-7	Beryllium	0.12	B		P
7440-43-9	Cadmium	0.20	B		P
7440-47-3	Chromium	30.7			P
7440-50-8	Copper	49.5		N	P
7439-92-1	Lead	20.2			P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	4.3			P
7782-49-2	Selenium	1.0		*	P
7440-22-4	Silver	8.3			P
7440-28-0	Thallium	1.6			P
7440-66-6	Zinc	20.9		*	P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SBH524

Lab Name: NYTEST_ENV_INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: GRUM82

Matrix (soil/water): SOIL Lab Sample ID: 817706

Level (low/med): LOW Date Received: 06/28/96

% Solids: 92.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	0.39	U	N	P
7440-38-2	Arsenic	6.3			P
7440-41-7	Beryllium	0.06	B		P
7440-43-9	Cadmium	1.5			P
7440-47-3	Chromium	26.9			P
7440-50-8	Copper	31.6		N	P
7439-92-1	Lead	29.0			P
7439-97-6	Mercury	0.13			CV
7440-02-0	Nickel	5.7			P
7782-49-2	Selenium	1.3		*	P
7440-22-4	Silver	4.4			P
7440-28-0	Thallium	0.77	B		P
7440-66-6	Zinc	46.8		*	P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

FORM I - IN ILM03.0

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SBH602

Lab Name: NYTEST_ENV_INC_____ Contract: 9622619___

Lab Code: NYTEST Case No.: 28177_ SAS No.: _____ SDG No.: GRUM82

Matrix (soil/water): SOIL_ Lab Sample ID: 817707

Level (low/med): LOW__ Date Received: 06/28/96

% Solids: _89.6

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	0.40	U	N	P
7440-38-2	Arsenic	5.0			P
7440-41-7	Beryllium	0.04	B		P
7440-43-9	Cadmium	0.15	B		P
7440-47-3	Chromium	11.0			P
7440-50-8	Copper	24.2		N	P
7439-92-1	Lead	16.2			P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	3.6	B		P
7782-49-2	Selenium	0.54		*	P
7440-22-4	Silver	3.3			P
7440-28-0	Thallium	0.45	B		P
7440-66-6	Zinc	22.8		*	P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SBH624

Lab Name: NYTEST_ENV_INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: GRUM82

Matrix (soil/water): SOIL Lab Sample ID: 817708

Level (low/med): LOW Date Received: 06/28/96

% Solids: 92.1

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	0.41	U	N	P
7440-38-2	Arsenic	5.8			P
7440-41-7	Beryllium	0.01	U		P
7440-43-9	Cadmium	0.11	B		P
7440-47-3	Chromium	10.5			P
7440-50-8	Copper	12.1		N	P
7439-92-1	Lead	17.0			P
7439-97-6	Mercury	0.17			CV
7440-02-0	Nickel	4.5			P
7782-49-2	Selenium	0.65		*	P
7440-22-4	Silver	0.60	B		P
7440-28-0	Thallium	0.37	B		P
7440-66-6	Zinc	29.9		*	P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH706

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2817709

Sample wt/vol: 5.0 (g/mL) G Lab File ID: P1391.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 10 Data Analyzed: 07/01/96

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	11	U
67-64-1	Acetone	11	U
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	11	U
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.

SBH706

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2817709

Sample wt/vol: 5.0 (g/mL) G Lab File ID: P1391.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 10 Data Analyzed: 07/01/96

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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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH706

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) SOIL Lab Sample ID: 2817709

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2283.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 10 dec. Date Extracted: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/02/96

GPC Cleanup: (Y/N) N pH: 7.3 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	76	J
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	150	J

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH706

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) SOIL Lab Sample ID: 2817709

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2283.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 10 dec. Date Extracted: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/02/96

GPC Cleanup: (Y/N) N pH: 7.3 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	67	J
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	120	J
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	1000	
120-12-7	Anthracene	260	J
86-74-8	Carbazole	140	J
84-74-2	Di-n-butylphthalate	290	J
206-44-0	Fluoranthene	2100	
129-00-0	Pyrene	1000	
85-68-7	Butylbenzylphthalate	190	J
91-94-1	3,3'-Dichlorobenzidine	740	U
56-55-3	Benzo(a)anthracene	800	
218-01-9	Chrysene	980	
117-81-7	bis(2-Ethylhexyl)phthalate	210	J
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	900	
207-08-9	Benzo(k)fluoranthene	770	
50-32-8	Benzo(a)pyrene	830	
193-39-5	Indeno(1,2,3-cd)pyrene	300	J
53-70-3	Dibenz(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	280	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.

SBH706

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) SOIL Lab Sample ID: 2817709

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2283.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 10 dec. Date Extracted: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/02/96

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 1.0

Number TICs found: 21

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.019	300	J
2.		UNKNOWN ALDOL	2.427	11000	AJB
3.		UNKNOWN	2.491	540	J
4.		UNKNOWN HYDROCARBON	2.545	970	JB
5.		UNKNOWN HYDROCARBON	2.610	1700	J
6.		UNKNOWN ALDOL	2.814	480	AJB
7.		UNKNOWN	3.050	1500	J
8.		UNKNOWN	3.168	540	JB
9.		UNKNOWN	3.834	380	J
10.		UNKNOWN	3.898	190	J
11.		UNKNOWN	4.156	230	J
12.		UNKNOWN	5.778	250	J
13.		UNKNOWN	8.195	180	J
14.		UNKNOWN	9.581	250	J
15.		UNKNOWN	9.838	560	J
16.		UNKNOWN AROMATIC	11.289	570	J
17.		UNKNOWN AROMATIC	12.728	400	J
18.		UNKNOWN AROMATIC	17.916	620	J
19.		UNKNOWN AROMATIC	20.505	280	J
20.		UNKNOWN	20.644	340	J
21.		UNKNOWN	24.157	320	J
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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SBH706

Lab Name: NYTEST_ENV_INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: GRUM82

Matrix (soil/water): SOIL Lab Sample ID: 817709

Level (low/med): LOW Date Received: 06/28/96

% Solids: 90.4

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	0.39	U	N	P
7440-38-2	Arsenic	5.7			P
7440-41-7	Beryllium	0.02	B		P
7440-43-9	Cadmium	0.70			P
7440-47-3	Chromium	12.5			P
7440-50-8	Copper	24.2		N	P
7439-92-1	Lead	27.2			P
7439-97-6	Mercury	0.16			CV
7440-02-0	Nickel	6.1			P
7782-49-2	Selenium	1.0		*	P
7440-22-4	Silver	0.67	B		P
7440-28-0	Thallium	0.58	B		P
7440-66-6	Zinc	51.4		*	P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH816

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28148 SAS No.: SDG No.: 28148

Matrix: (soil/water) SOIL Lab Sample ID: 2814801

Sample wt/vol: 5.0 (g/mL) G Lab File ID: P1361.D

Level: (low/med) LOW Date Received: 06/27/96

% Moisture: not dec. 17 Data Analyzed: 06/28/96

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	J
67-64-1	Acetone	12	U
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)	12	U
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	1	J
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	12	U
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	2	J
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.

SBH816

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28148 SAS No.: SDG No.: 28148

Matrix: (soil/water) SOIL Lab Sample ID: 2814801

Sample wt/vol: 5.0 (g/mL) G Lab File ID: P1361.D

Level: (low/med) LOW Date Received: 06/27/96

% Moisture: not dec. 17 Data Analyzed: 06/28/96

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	20.634	8	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH822

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28148 SAS No.: SDG No.: 28148

Matrix: (soil/water) SOIL Lab Sample ID: 2814802

Sample wt/vol: 5.0 (g/mL) G Lab File ID: P1362.D

Level: (low/med) LOW Date Received: 06/27/96

% Moisture: not dec. 6 Data Analyzed: 06/28/96

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	J
67-64-1	Acetone	11	U
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	9	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

000018

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBH822

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28148 SAS No.: SDG No.: 28148

Matrix: (soil/water) SOIL Lab Sample ID: 2814802

Sample wt/vol: 5.0 (g/mL) G Lab File ID: P1362.D

Level: (low/med) LOW Date Received: 06/27/96

% Moisture: not dec. 6 Data Analyzed: 06/28/96

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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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH916

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2817701

Sample wt/vol: 5.0 (g/mL) G Lab File ID: P1383.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 12 Data Analyzed: 07/01/96

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	11	U
67-64-1	Acetone	11	U
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	11	U
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

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBH916

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2817701

Sample wt/vol: 5.0 (g/mL) G Lab File ID: P1383.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 12 Data Analyzed: 07/01/96

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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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH926

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2817702

Sample wt/vol: 5.0 (g/mL) G Lab File ID: P1384.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 4 Data Analyzed: 07/01/96

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	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

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBH926

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2817702

Sample wt/vol: 5.0 (g/mL) G Lab File ID: P1384.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 4 Data Analyzed: 07/01/96

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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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB1014

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28133 SAS No.: SDG No.: 28133

Matrix: (soil/water) SOIL Lab Sample ID: 2813302

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N8883.D

Level: (low/med) LOW Date Received: 06/26/96

% Moisture: not dec. 10 Data Analyzed: 06/26/96

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	11	J
67-64-1	Acetone	11	U
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	11	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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB1014

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28133 SAS No.: SDG No.: 28133

Matrix: (soil/water) SOIL Lab Sample ID: 2813302

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N8883.D

Level: (low/med) LOW Date Received: 06/26/96

% Moisture: not dec. 10 Data Analyzed: 06/26/96

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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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB1022

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28133 SAS No.: SDG No.: 28133

Matrix: (soil/water) SOIL Lab Sample ID: 2813301

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N8882.D

Level: (low/med) LOW Date Received: 06/26/96

% Moisture: not dec. 3 Data Analyzed: 06/26/96

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	11	
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

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SB1022

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28133 SAS No.: SDG No.: 28133

Matrix: (soil/water) SOIL Lab Sample ID: 2813301

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N8882.D

Level: (low/med) LOW Date Received: 06/26/96

% Moisture: not dec. 3 Data Analyzed: 06/26/96

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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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH816

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28148 SAS No.: SDG No.: 28148

Matrix: (soil/water) SOIL Lab Sample ID: 2814801

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2190.D

Level: (low/med) LOW Date Received: 06/27/96

% Moisture: not dec. 17 dec. Date Extracted:06/27/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/29/96

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
59-50-7	4-Chloro-3-Methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	2000	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	2000	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	2000	U
83-32-9	Acenaphthene	400	U

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH816

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 2814 SAS No.: SDG No.: 2814

Matrix: (soil/water) SOIL Lab Sample ID: 2814801

Sample wt/vol: 30.0 (g/mL) Lab File ID: Q2190.D

Level: (low/med) LOW Date Received: 06/27/96

% Moisture: not dec. 17 dec. Date Extracted: 06/27/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/29/96

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2000	U
100-02-7	4-Nitrophenol	2000	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	400	U
100-01-6	4-Nitroaniline	2000	U
534-52-1	4,6-Dinitro-2-methylphenol	2000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	2000	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	650	
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
85-68-7	Butylbenzylphthalate	110	J
91-94-1	3,3'-Dichlorobenzidine	800	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)phthalate	740	
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenz(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U
100-51-6	Benzyl Alcohol	400	U
65-85-0	Benzoic Acid	2000	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH816

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28148 SAS No.: SDG No.: 28148

Matrix: (soil/water) SOIL Lab Sample ID: 2814801

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2190.D

Level: (low/med) LOW Date Received: 06/27/96

% Moisture: not dec. 17 dec. Date Extracted:06/27/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/29/96

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

Number TICs found: 18

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALDOL	2.346	6200	AJB
2.		UNKNOWN ALDOL	2.744	200	AJ
3.		UNKNOWN	3.055	330	J
4.		UNKNOWN	3.383	140	J
5.		UNKNOWN AROMATIC	12.093	110	J
6.		UNKNOWN AROMATIC	13.718	370	J
7.		UNKNOWN	13.925	120	J
8.		UNKNOWN AROMATIC	14.046	120	J
9.		UNKNOWN HYDROCARBON	15.585	120	J
10.		UNKNOWN HYDROCARBON	16.207	91	J
11.		UNKNOWN HYDROCARBON	16.794	120	J
12.		UNKNOWN	17.053	100	J
13.		UNKNOWN HYDROCARBON	18.540	100	J
14.		UNKNOWN HYDROCARBON	19.248	200	J
15.		UNKNOWN HYDROCARBON	20.095	120	J
16.		UNKNOWN	20.303	140	J
17.		UNKNOWN HYDROCARBON	21.098	140	J
18.		UNKNOWN HYDROCARBON	22.273	120	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH822

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28148 SAS No.: SDG No.: 28148

Matrix: (soil/water) SOIL Lab Sample ID: 2814802

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2191.D

Level: (low/med) LOW Date Received: 06/27/96

% Moisture: not dec. 6 dec. Date Extracted: 06/27/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/29/96

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	350	U

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH822

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28148 SAS No.: SDG No.: 28148

Matrix: (soil/water) SOIL Lab Sample ID: 2814802

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2191.D

Level: (low/med) LOW Date Received: 06/27/96

% Moisture: not dec. 6 dec. Date Extracted: 06/27/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/29/96

GPC Cleanup: (Y/N) N pH: 7.0 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	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	520	
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	710	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)phthalate	370	
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenz(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	U
100-51-6	Benzyl Alcohol	350	U
65-85-0	Benzoic Acid	1800	U

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH822

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28148 SAS No.: SDG No.: 28148

Matrix: (soil/water) SOIL Lab Sample ID: 2814802

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2191.D

Level: (low/med) LOW Date Received: 06/27/96

% Moisture: not dec. 6 dec. Date Extracted:06/27/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/29/96

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

Number TICs found: 7

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	1.997	94	J
2.		UNKNOWN ALDOL	2.342	4700	AJB
3.		UNKNOWN HYDROCARBON	2.481	280	J
4.		UNKNOWN HYDROCARBON	2.533	420	J
5.		UNKNOWN ALDOL	2.740	220	AJ
6.		UNKNOWN HYDROCARBON	7.977	79	J
7.		UNKNOWN AROMATIC	13.714	280	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBH916

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) SOIL Lab Sample ID: 2817701

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2276.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 12 dec. Date Extracted: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/02/96

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)Ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
59-50-7	4-Chloro-3-Methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	1900	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	1900	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	1900	U
83-32-9	Acenaphthene	380	U

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBH916

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) SOIL Lab Sample ID: 2817701

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2276.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 12 dec. Date Extracted: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/02/96

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1900	U
100-02-7	4-Nitrophenol	1900	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	1900	U
534-52-1	4,6-Dinitro-2-methylphenol	1900	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	1900	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	120	J
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	760	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	38	J
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenz(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	380	U
100-51-6	Benzyl Alcohol	380	U
65-85-0	Benzoic Acid	1900	U

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH916

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) SOIL Lab Sample ID: 2817701

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2276.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 12 dec. Date Extracted: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/02/96

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.0

Number TICs found: 14

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	1.879	180	JB
2.		UNKNOWN	2.019	380	J
3.		UNKNOWN HYDROCARBON	2.083	130	J
4.		UNKNOWN	2.234	220	J
5.		UNKNOWN HYDROCARBON	2.309	150	J
6.		UNKNOWN ALDOL	2.438	16000	AJB
7.		UNKNOWN HYDROCARBON	2.492	760	J
8.		UNKNOWN HYDROCARBON	2.545	1400	JB
9.		UNKNOWN	2.599	2400	JB
10.		UNKNOWN	2.749	190	J
11.		UNKNOWN ALDOL	2.814	840	AJB
12.		UNKNOWN	3.061	200	J
13.		UNKNOWN	3.834	180	J
14.		UNKNOWN AROMATIC	14.372	160	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH926

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) SOIL Lab Sample ID: 2817702

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2277.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 4 dec. Date Extracted: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/02/96

GPC Cleanup: (Y/N) N pH: 6.9 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	1700	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	1700	U
83-32-9	Acenaphthene	350	U

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBH926

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) SOIL Lab Sample ID: 2817702

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2277.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 4 dec. Date Extracted: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/02/96

GPC Cleanup: (Y/N) N pH: 6.9 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	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	1700	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	690	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)phthalate	350	U
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenz(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	U
100-51-6	Benzyl Alcohol	350	U
65-85-0	Benzoic Acid	1700	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBH926

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) SOIL Lab Sample ID: 2817702

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2277.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. 4 dec. Date Extracted: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/02/96

GPC Cleanup: (Y/N) N pH: 6.9 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	1.889	99	JB
2.		UNKNOWN	2.029	260	J
3.		UNKNOWN	2.093	100	JB
4.		UNKNOWN	2.265	130	JB
5.		UNKNOWN HYDROCARBON	2.318	130	J
6.		UNKNOWN ALDOL	2.426	10000	AJB
7.		UNKNOWN	2.490	600	J
8.		UNKNOWN HYDROCARBON	2.544	960	JB
9.		UNKNOWN	2.608	1600	JB
10.		UNKNOWN ALDOL	2.813	370	AJB
11.					
12.					
13.					
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB1014

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28133 SAS No.: SDG No.: 28133

Matrix: (soil/water) SOIL Lab Sample ID: 2813302

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2156.D

Level: (low/med) LOW Date Received: 06/26/96

% Moisture: not dec. 0 dec. Date Extracted: 06/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/27/96

GPC Cleanup: (Y/N) N pH: 7.0 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.

SB1014

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28133 SAS No.: SDG No.: 28133

Matrix: (soil/water) SOIL Lab Sample ID: 2813302

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2156.D

Level: (low/med) LOW Date Received: 06/26/96

% Moisture: not dec. 0 dec. Date Extracted: 06/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/27/96

GPC Cleanup: (Y/N) N pH: 7.0 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
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	400	
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.

SB1014

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28133 SAS No.: SDG No.: 28133

Matrix: (soil/water) SOIL Lab Sample ID: 2813302

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2156.D

Level: (low/med) LOW Date Received: 06/26/96

% Moisture: not dec. 0 dec. Date Extracted: 06/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/27/96

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

Number TICs found: 20

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALDOL	2.703	560	AJB
2.		UNKNOWN	3.014	110	JB
3.		UNKNOWN	12.243	160	J
4.		UNKNOWN	12.381	69	J
5.		UNKNOWN AROMATIC	13.228	73	J
6.		UNKNOWN AROMATIC	13.418	80	J
7.		UNKNOWN AROMATIC	13.522	160	J
8.		UNKNOWN	13.954	330	J
9.		UNKNOWN	14.092	620	J
10.		UNKNOWN AROMATIC	14.231	2100	J
11.		UNKNOWN	14.559	420	J
12.		UNKNOWN AROMATIC	14.922	82	J
13.		UNKNOWN AROMATIC	15.803	74	J
14.		UNKNOWN	15.959	150	J
15.		UNKNOWN	17.082	93	J
16.		UNKNOWN HYDROCARBON	17.410	84	J
17.		UNKNOWN	17.549	77	J
18.		UNKNOWN	17.635	120	J
19.		UNKNOWN	18.638	69	J
20.		UNKNOWN	19.122	100	J
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

000017

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB1014RE

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28133 SAS No.: SDG No.: 28133

Matrix: (soil/water) SOIL Lab Sample ID: 2813302

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2159.D

Level: (low/med) LOW Date Received: 06/26/96

% Moisture: not dec. 0 dec. Date Extracted: 06/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/27/96

GPC Cleanup: (Y/N) N pH: 7.0 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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.: SB1014RE

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28133 SAS No.: SDG No.: 28133

Matrix: (soil/water) SOIL Lab Sample ID: 2813302

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2159.D

Level: (low/med) LOW Date Received: 06/26/96

% Moisture: not dec. 0 dec. Date Extracted: 06/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/27/96

GPC Cleanup: (Y/N) N pH: 7.0 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
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	450	
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.

SB1014RE

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28133 SAS No.: SDG No.: 28133

Matrix: (soil/water) SOIL Lab Sample ID: 2813302

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2159.D

Level: (low/med) LOW Date Received: 06/26/96

% Moisture: not dec. 0 dec. Date Extracted:06/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/27/96

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

Number TICs found: 20

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALDOL	2.706	530	AJB
2.		UNKNOWN	3.017	140	JB
3.		UNKNOWN	12.246	190	J
4.		UNKNOWN	12.384	81	J
5.		UNKNOWN	13.213	93	J
6.		UNKNOWN	13.404	95	J
7.		UNKNOWN AROMATIC	13.525	220	J
8.		UNKNOWN	13.957	440	J
9.		UNKNOWN AROMATIC	14.008	86	J
10.		UNKNOWN AROMATIC	14.095	730	J
11.		UNKNOWN AROMATIC	14.216	2600	J
12.		UNKNOWN	14.562	500	J
13.		UNKNOWN AROMATIC	14.924	87	J
14.		UNKNOWN AROMATIC	15.806	86	J
15.		UNKNOWN	15.961	180	J
16.		UNKNOWN	16.860	110	J
17.		UNKNOWN	17.085	98	J
18.		UNKNOWN AROMATIC	18.640	130	J
19.		UNKNOWN	19.107	150	J
20.		UNKNOWN AROMATIC	19.349	76	J
21.					
22.					
23.					
24.					
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27.					
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB1022

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28133 SAS No.: SDG No.: 28133

Matrix: (soil/water) SOIL Lab Sample ID: 2813301

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2155.D

Level: (low/med) LOW Date Received: 06/26/96

% Moisture: not dec. 0 dec. Date Extracted: 06/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/27/96

GPC Cleanup: (Y/N) N pH: 7.0 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.

SB1022

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28133 SAS No.: SDG No.: 28133

Matrix: (soil/water) SOIL Lab Sample ID: 2813301

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2155.D

Level: (low/med) LOW Date Received: 06/26/96

% Moisture: not dec. 0 dec. Date Extracted: 06/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/27/96

GPC Cleanup: (Y/N) N pH: 7.0 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
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	55	J
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.

SB1022

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28133 SAS No.: SDG No.: 28133

Matrix: (soil/water) SOIL Lab Sample ID: 2813301

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2155.D

Level: (low/med) LOW Date Received: 06/26/96

% Moisture: not dec. 0 dec. Date Extracted:06/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/27/96

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

Number TICs found: 5

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALDOL	2.704	520	AJB
2.		UNKNOWN	2.911	91	J
3.		UNKNOWN	3.015	200	JB
4.		UNKNOWN AROMATIC	14.214	98	J
5.		UNKNOWN	17.083	72	J
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7.					
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB1022RE

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28133 SAS No.: SDG No.: 28133

Matrix: (soil/water) SOIL Lab Sample ID: 2813301

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2158.D

Level: (low/med) LOW Date Received: 06/26/96

% Moisture: not dec. 0 dec. Date Extracted: 06/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/27/96

GPC Cleanup: (Y/N) N pH: 7.0 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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB1022RE

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28133 SAS No.: SDG No.: 28133

Matrix: (soil/water) SOIL Lab Sample ID: 2813301

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2158.D

Level: (low/med) LOW Date Received: 06/26/96

% Moisture: not dec. 0 dec. Date Extracted: 06/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/27/96

GPC Cleanup: (Y/N) N pH: 7.0 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
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	72	J
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.

SB1022RE

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28133 SAS No.: SDG No.: 28133

Matrix: (soil/water) SOIL Lab Sample ID: 2813301

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2158.D

Level: (low/med) LOW Date Received: 06/26/96

% Moisture: not dec. 0 dec. Date Extracted: 06/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/27/96

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

Number TICs found: 6

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALDOL	2.690	680	AJB
2.		UNKNOWN	2.915	130	J
3.		UNKNOWN	3.018	170	JB
4.		UNKNOWN	14.096	97	J
5.		UNKNOWN AROMATIC	14.217	130	J
6.		UNKNOWN	15.963	81	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB1014

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28133 SAS No.: SDG No.: 28133

Matrix: (soil/water) SOIL Lab Sample ID: 2813302

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2156.D

Level: (low/med) LOW Date Received: 06/26/96

% Moisture: not dec. 10 dec. Date Extracted: 06/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/27/96

GPC Cleanup: (Y/N) N pH: 7.0 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

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB1014

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28133 SAS No.: SDG No.: 28133

Matrix: (soil/water) SOIL Lab Sample ID: 2813302

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2156.D

Level: (low/med) LOW Date Received: 06/26/96

% Moisture: not dec. 10 dec. Date Extracted: 06/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/27/96

GPC Cleanup: (Y/N) N pH: 7.0 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	370	U
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-butylphthalate	440	
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	740	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	370	U
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenz(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	370	U
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.

SB1014

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28133 SAS No.: SDG No.: 28133

Matrix: (soil/water) SOIL Lab Sample ID: 2813302

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2156.D

Level: (low/med) LOW Date Received: 06/26/96

% Moisture: not dec. 10 dec. Date Extracted: 06/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/27/96

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

Number TICs found: 20

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALDOL	2.703	630	AJB
2.		UNKNOWN	3.014	120	JB
3.		UNKNOWN	12.243	180	J
4.		UNKNOWN	12.381	77	J
5.		UNKNOWN AROMATIC	13.228	81	J
6.		UNKNOWN AROMATIC	13.418	88	J
7.		UNKNOWN AROMATIC	13.522	180	J
8.		UNKNOWN	13.954	370	J
9.		UNKNOWN	14.092	690	J
10.		UNKNOWN AROMATIC	14.231	2300	J
11.		UNKNOWN	14.559	470	J
12.		UNKNOWN AROMATIC	14.922	91	J
13.		UNKNOWN AROMATIC	15.803	82	J
14.		UNKNOWN	15.959	160	J
15.		UNKNOWN	17.082	100	J
16.		UNKNOWN HYDROCARBON	17.410	94	J
17.		UNKNOWN	17.549	85	J
18.		UNKNOWN	17.635	140	J
19.		UNKNOWN	18.638	77	J
20.		UNKNOWN	19.122	110	J
21.					
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB1014RE

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28133 SAS No.: SDG No.: 28133

Matrix: (soil/water) SOIL Lab Sample ID: 2813302

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2159.D

Level: (low/med) LOW Date Received: 06/26/96

% Moisture: not dec. 10 dec. Date Extracted: 06/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/27/96

GPC Cleanup: (Y/N) N pH: 7.0 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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB1014RE

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28133 SAS No.: SDG No.: 28133

Matrix: (soil/water) SOIL Lab Sample ID: 2813302

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2159.D

Level: (low/med) LOW Date Received: 06/26/96

% Moisture: not dec. 10 dec. Date Extracted: 06/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/27/96

GPC Cleanup: (Y/N) N pH: 7.0 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	370	U
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-butylphthalate	500	
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	740	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	370	U
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenz(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	370	U
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.

SB1014RE

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28133 SAS No.: SDG No.: 28133

Matrix: (soil/water) SOIL Lab Sample ID: 2813302

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2159.D

Level: (low/med) LOW Date Received: 06/26/96

% Moisture: not dec. 10 dec. Date Extracted:06/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/27/96

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

Number TICs found: 20

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALDOL	2.706	590	AJB
2.		UNKNOWN	3.017	150	JB
3.		UNKNOWN	12.246	210	J
4.		UNKNOWN	12.384	90	J
5.		UNKNOWN	13.213	100	J
6.		UNKNOWN	13.404	100	J
7.		UNKNOWN AROMATIC	13.525	240	J
8.		UNKNOWN	13.957	480	J
9.		UNKNOWN AROMATIC	14.008	95	J
10.		UNKNOWN AROMATIC	14.095	820	J
11.		UNKNOWN AROMATIC	14.216	2800	J
12.		UNKNOWN	14.562	550	J
13.		UNKNOWN AROMATIC	14.924	97	J
14.		UNKNOWN AROMATIC	15.806	96	J
15.		UNKNOWN	15.961	190	J
16.		UNKNOWN	16.860	130	J
17.		UNKNOWN	17.085	110	J
18.		UNKNOWN AROMATIC	18.640	150	J
19.		UNKNOWN	19.107	170	J
20.		UNKNOWN AROMATIC	19.349	84	J
21.					
22.					
23.					
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB1022

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28133 SAS No.: SDG No.: 28133

Matrix: (soil/water) SOIL Lab Sample ID: 2813301

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2155.D

Level: (low/med) LOW Date Received: 06/26/96

% Moisture: not dec. 3 dec. Date Extracted: 06/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/27/96

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	340	U
111-44-4	bis(2-Chloroethyl)Ether	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
95-50-1	1,2-Dichlorobenzene	340	U
95-48-7	2-Methylphenol	340	U
108-60-1	2,2'-oxybis(1-Chloropropane)	340	U
106-44-5	4-Methylphenol	340	U
621-64-7	N-Nitroso-di-n-propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
111-91-1	bis(2-Chloroethoxy)methane	340	U
59-50-7	4-Chloro-3-Methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	1700	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethylphthalate	340	U
208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U
99-09-2	3-Nitroaniline	1700	U
83-32-9	Acenaphthene	340	U

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB1022

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28133 SAS No.: SDG No.: 28133

Matrix: (soil/water) SOIL Lab Sample ID: 2813301

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2155.D

Level: (low/med) LOW Date Received: 06/26/96

% Moisture: not dec. 3 dec. Date Extracted: 06/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/27/96

GPC Cleanup: (Y/N) N pH: 7.0 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	340	U
121-14-2	2,4-Dinitrotoluene	340	U
84-66-2	Diethylphthalate	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
86-73-7	Fluorene	340	U
100-01-6	4-Nitroaniline	1700	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	U
86-30-6	N-Nitrosodiphenylamine (1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
86-74-8	Carbazole	340	U
84-74-2	Di-n-butylphthalate	57	J
206-44-0	Fluoranthene	340	U
129-00-0	Pyrene	340	U
85-68-7	Butylbenzylphthalate	340	U
91-94-1	3,3'-Dichlorobenzidine	690	U
56-55-3	Benzo(a)anthracene	340	U
218-01-9	Chrysene	340	U
117-81-7	bis(2-Ethylhexyl)phthalate	340	U
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo(b)fluoranthene	340	U
207-08-9	Benzo(k)fluoranthene	340	U
50-32-8	Benzo(a)pyrene	340	U
193-39-5	Indeno(1,2,3-cd)pyrene	340	U
53-70-3	Dibenz(a,h)anthracene	340	U
191-24-2	Benzo(g,h,i)perylene	340	U
100-51-6	Benzyl Alcohol	340	U
65-85-0	Benzoic Acid	1700	U

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB1022

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28133 SAS No.: SDG No.: 28133

Matrix: (soil/water) SOIL Lab Sample ID: 2813301

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2155.D

Level: (low/med) LOW Date Received: 06/26/96

% Moisture: not dec. 3 dec. Date Extracted:06/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/27/96

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

Number TICs found: 5

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALDOL	2.704	540	AJB
2.		UNKNOWN	2.911	94	J
3.		UNKNOWN	3.015	200	JB
4.		UNKNOWN AROMATIC	14.214	100	J
5.		UNKNOWN	17.083	74	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB1022RE

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28133 SAS No.: SDG No.: 28133

Matrix: (soil/water) SOIL Lab Sample ID: 2813301

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2158.D

Level: (low/med) LOW Date Received: 06/26/96

% Moisture: not dec. 3 dec. Date Extracted: 06/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/27/96

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	340	U
111-44-4	bis(2-Chloroethyl)Ether	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
95-50-1	1,2-Dichlorobenzene	340	U
95-48-7	2-Methylphenol	340	U
108-60-1	2,2'-oxybis(1-Chloropropane)	340	U
106-44-5	4-Methylphenol	340	U
621-64-7	N-Nitroso-di-n-propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
111-91-1	bis(2-Chloroethoxy)methane	340	U
59-50-7	4-Chloro-3-Methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	1700	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethylphthalate	340	U
208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U
99-09-2	3-Nitroaniline	1700	U
83-32-9	Acenaphthene	340	U

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB1022RE

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28133 SAS No.: SDG No.: 28133

Matrix: (soil/water) SOIL Lab Sample ID: 2813301

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2158.D

Level: (low/med) LOW Date Received: 06/26/96

% Moisture: not dec. 3 dec. Date Extracted: 06/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/27/96

GPC Cleanup: (Y/N) N pH: 7.0 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	340	U
121-14-2	2,4-Dinitrotoluene	340	U
84-66-2	Diethylphthalate	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
86-73-7	Fluorene	340	U
100-01-6	4-Nitroaniline	1700	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	U
86-30-6	N-Nitrosodiphenylamine (1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
86-74-8	Carbazole	340	U
84-74-2	Di-n-butylphthalate	75	J
206-44-0	Fluoranthene	340	U
129-00-0	Pyrene	340	U
85-68-7	Butylbenzylphthalate	340	U
91-94-1	3,3'-Dichlorobenzidine	690	U
56-55-3	Benzo(a)anthracene	340	U
218-01-9	Chrysene	340	U
117-81-7	bis(2-Ethylhexyl)phthalate	340	U
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo(b)fluoranthene	340	U
207-08-9	Benzo(k)fluoranthene	340	U
50-32-8	Benzo(a)pyrene	340	U
193-39-5	Indeno(1,2,3-cd)pyrene	340	U
53-70-3	Dibenz(a,h)anthracene	340	U
191-24-2	Benzo(g,h,i)perylene	340	U
100-51-6	Benzyl Alcohol	340	U
65-85-0	Benzoic Acid	1700	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB1022RE

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28133 SAS No.: SDG No.: 28133

Matrix: (soil/water) SOIL Lab Sample ID: 2813301

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2158.D

Level: (low/med) LOW Date Received: 06/26/96

% Moisture: not dec. 3 dec. Date Extracted: 06/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/27/96

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

Number TICs found: 6

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALDOL	2.690	700	AJB
2.		UNKNOWN	2.915	140	J
3.		UNKNOWN	3.018	180	JB
4.		UNKNOWN	14.096	100	J
5.		UNKNOWN AROMATIC	14.217	140	J
6.		UNKNOWN	15.963	84	J
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TPHC 310-13
REPORT OF ANALYSIS

Login No.: 28133

We find as follows:

Results in ppm, mg/kg (Dry wt.): Matrix : SOIL

Parameter(s)	Sample Identification	
Sample ID	SBH816	SBH822
Lab ID	2814801	2814802
Date Extracted	06/27/96	06/27/96
Date Analyzed	06/27/96	06/27/96
% Moisture	17	6
Dilution factor	1	1
Gasoline	90 U	80 U
TPH (as Gasoline)	ND	ND
Kerosene	90 U	80 U
TPH (as Kerosene)	ND	ND
#2 Fuel Oil	90 U	80 U
TPH (as #2 Fuel Oil)	ND	ND
#6 Fuel Oil	90 U	80 U
Lubricating Oil	ND	ND
TPH (as Jet Fuel)	ND	ND
TPH (as Hydraulic Oil)	ND	ND
TPH (as 10W40 Motor Oil)	ND	ND

ND = Not Detected

* TPH (as...) = Total Petroleum hydrocarbons quantitated as a particular hydrocarbon, however, peak pattern does not match that of the hydrocarbon reference standards.

000020

NYTEST ENVIRONMENTAL, INC.

REPORT OF ANALYSIS

We find as follows : Log In No : 28148

Results in mg/Kg(dry basis) :

Sample Identification	LAB ID	CLIENT ID	Parameter: Total Petroleum Hydrocarbons
Soil Method Blank			1 U
Soil Method Detection Limit			1
	2814801	SBH816	220.0
	2814802	SBH822	65.0
	2814803	SBH822MS	66.00

U : Below method blank / method reporting limit

000025

TPHC 310-13
REPORT OF ANALYSIS

Login No.: 28177

We find as follows:

Results in ppm, mg/kg (Dry wt.): Matrix : SOIL

Parameter(s)	Sample Identification		
Sample ID	SBH916	SBH926	FBLK08
Lab ID	9817701	9817702	PSB0702
Date Extracted	7/2/96	7/2/96	07/02/96
Date Analyzed	7/2/96	7/2/96	07/02/96
% Moisture	5	13	0
Dilution factor	1	1	1
Gasoline	79 U	86 U	75 U
TPH (as Gasoline)	ND	ND	ND
Kerosene	79 U	86 U	75 U
TPH (as Kerosene)	ND	ND	ND
#2 Fuel Oil	79 U	86 U	75 U
TPH (as #2 Fuel Oil)	ND	ND	ND
#6 Fuel Oil	79 U	86 U	75 U
Lubricating Oil	79 U	86 U	75 U
TPH (Jet Fuel)	ND	ND	ND
TPH (Hydraulic Oil)	ND	ND	ND
TPH (as 10W40 Motor Oil)	ND	ND	ND

ND = Not Detected

* TPH (as...) = Total Petroleum hydrocarbons quantitated as a particular hydrocarbon, however, peak pattern does not match that of the hydrocarbon reference standards.

ac:\123\gc\310-13\extra-s REV 10/95

000066

REPORT OF ANALYSIS

Log In No.: 28177

We find as follows:

Results in mg/kg (dry weight basis)

Sample Identification	Parameter(s)
	Total Petroleum Hydrocarbons
2817701 SBH916	35
2817702 SBH926	48
Method blank	10 U

U = below method blank / method reporting limit

000067

TPHC 310-13
REPORT OF ANALYSIS

Login No.: 28133

We find as follows:

Results in ppm, mg/kg (Dry wt.): Matrix : SOIL

Parameter(s)	Sample Identification	
Sample ID	SB1022	SB1014
Lab ID	2813301	2813302
Date Extracted	06/26/96	06/26/96
Date Analyzed	06/26/96	06/26/96
% Moisture	3	10
Dilution factor	1	1
Gasoline	77 U	83 U
TPH (as Gasoline)	ND	ND
Kerosene	77 U	83 U
TPH (as Kerosene)	ND	ND
#2 Fuel Oil	77 U	83 U
TPH (as #2 Fuel Oil)	ND	ND
#6 Fuel Oil	77 U	83 U
Lubricating Oil	ND	ND
TPH (as Jet Fuel)	ND	ND
TPH (as Hydraulic Oil)	ND	ND
TPH (as 10W40 Motor Oil)	ND	ND

ND = Not Detected

* TPH (as...) = Total Petroleum hydrocarbons quantitated as a particular hydrocarbon, however, peak pattern does not match that of the hydrocarbon reference standards.

000027

NYTEST ENVIRONMENTAL, INC.

REPORT OF ANALYSIS

We find as follows : Log In No : 28133

Results in mg/Kg(dry basis) :

Sample Identification	Parameter: Total Petroleum H[illegible]rbons
Soil Method Blank	1[illegible]
Soil Method Detection Limit	1[illegible]

LAB ID	CLIENT ID	
2813301	SB1022	95.0[illegible]
2813302	SB1014	98.0[illegible]

U : Below method blank / method reporting limit

000028

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SBH816

Lab Name: NYTEST_ENV_INC Contract: 9622619

Lab Code: NYTEST Case No.: 28148 SAS No.: SDG No.: 28148

Matrix (soil/water): SOIL Lab Sample ID: 814801

Level (low/med): LOW Date Received: 06/27/96

% Solids: 82.6

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	0.47	U		P
7440-38-2	Arsenic	1.7			P
7440-41-7	Beryllium	0.02	B		P
7440-43-9	Cadmium	1.8			P
7440-47-3	Chromium	10.2		*	P
7440-50-8	Copper	10.1			P
7439-92-1	Lead	5.3			P
7439-97-6	Mercury	0.12	U		CV
7440-02-0	Nickel	3.3	B		P
7782-49-2	Selenium	0.38	U		P
7440-22-4	Silver	0.08	U		P
7440-28-0	Thallium	1.4			P
7440-66-6	Zinc	11.2			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

FORM I - IN

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U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SBH822

Lab Name: NYTEST_ENV_INC Contract: 9622619

Lab Code: NYTEST Case No.: 28148 SAS No.: SDG No.: 28148

Matrix (soil/water): SOIL Lab Sample ID: 814802

Level (low/med): LOW Date Received: 06/27/96

Solids: 94.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	0.41	U		P
7440-38-2	Arsenic	0.79	B		P
7440-41-7	Beryllium	0.06	B		P
7440-43-9	Cadmium	0.04	U		P
7440-47-3	Chromium	2.9		*	P
7440-50-8	Copper	1.9	B		P
7439-92-1	Lead	2.9			P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	1.4	B		P
7782-49-2	Selenium	0.34	U		P
7440-22-4	Silver	0.07	U		P
7440-28-0	Thallium	1.2			P
7440-66-6	Zinc	4.7			P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

FORM I - IN ILM03.0

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U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SBH916

Lab Name: NYTEST_ENV_INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: GRUM82

Matrix (soil/water): SOIL Lab Sample ID: 817701

Level (low/med): LOW Date Received: 06/28/96

% Solids: 88.2

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	0.43	U	N	P
7440-38-2	Arsenic	0.91	B		P
7440-41-7	Beryllium	0.37	B		P
7440-43-9	Cadmium	0.17	B		P
7440-47-3	Chromium	3.8			P
7440-50-8	Copper	2.9		N	P
7439-92-1	Lead	2.8			P
7439-97-6	Mercury	0.21			CV
7440-02-0	Nickel	1.9	B		P
7782-49-2	Selenium	0.93		*	P
7440-22-4	Silver	0.35	B		P
7440-28-0	Thallium	1.5			P
7440-66-6	Zinc	8.4		*	P

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Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SBH926

Lab Name: NYTEST_ENV_INC_____ Contract: 9622619___

Lab Code: NYTEST Case No.: 28177_ SAS No.: _____ SDG No.: GRUM82

Matrix (soil/water): SOIL_

Level (low/med): LOW__ Lab Sample ID: 817702

% Solids: _96.5 Date Received: 06/28/96

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony				P
7440-38-2	Arsenic	0.40	B	N	P
7440-41-7	Beryllium	1.8			P
7440-43-9	Cadmium	0.04	B		P
7440-47-3	Chromium	0.04	U		P
7440-50-8	Copper	13.3			P
7439-92-1	Lead	2.5	B	N	P
7439-97-6	Mercury	2.4			P
7440-02-0	Nickel	0.10	U		CV
7782-49-2	Selenium	2.5	B		P
7440-22-4	Silver	0.61		*	P
7440-28-0	Thallium	0.07	U		P
7440-66-6	Zinc	0.21	U		P
		8.0		*	P

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or After: _____ Clarity After: _____ Artifacts: _____

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FORM I - IN

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U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB1014

Lab Name: NYTEST_ENV_INC_____ Contract: 9622619___

Lab Code: NYTEST Case No.: 28133_ SAS No.: _____ SDG No.: 28133_

Matrix (soil/water): SOIL_ Lab Sample ID: 813302

Level (low/med): LOW__ Date Received: 06/26/96

% Solids: _89.7

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	0.41	U		P
7440-38-2	Arsenic	1.0	B		P
7440-41-7	Beryllium	0.08	B		P
7440-43-9	Cadmium	0.04	U		P
7440-47-3	Chromium	3.1			P
7440-50-8	Copper	3.3			P
7439-92-1	Lead	1.6			P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	2.1	B		P
7782-49-2	Selenium	0.65			P
7440-22-4	Silver	0.07	U		P
7440-28-0	Thallium	0.22	U		P
7440-66-6	Zinc	6.8			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

SB1014

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U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB1022

Lab Name: NYTEST_ENV_INC_____ Contract: 9622619___

Lab Code: NYTEST Case No.: 28133_ SAS No.: _____ SDG No.: 28133_

Matrix (soil/water): SOIL_ Lab Sample ID: 813301

Level (low/med): LOW__ Date Received: 06/26/96

% Solids: _96.6

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	0.37	U		P
7440-38-2	Arsenic	0.60	B		P
7440-41-7	Beryllium	0.02	B		P
7440-43-9	Cadmium	0.04	U		P
7440-47-3	Chromium	2.4			P
7440-50-8	Copper	1.6	B		P
7439-92-1	Lead	0.83			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	1.4	B		P
7782-49-2	Selenium	0.31	U		P
7440-22-4	Silver	0.07	U		P
7440-28-0	Thallium	0.20	U		P
7440-66-6	Zinc	4.7			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

SB1022_____

FORM I - IN ILM03.0

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

BH1122

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28115 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2811501

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N8850.D

Level: (low/med) LOW Date Received: 06/25/96

% Moisture: not dec. 6 Data Analyzed: 06/25/96

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	16	B
67-64-1	Acetone	11	U
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	11	U
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.

BH1122

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28115 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2811501

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N8850.D

Level: (low/med) LOW Date Received: 06/25/96

% Moisture: not dec. 6 Data Analyzed: 06/25/96

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.					
2.					
3.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BH1137

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28115 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2811502

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N8851.D

Level: (low/med) LOW Date Received: 06/25/96

% Moisture: not dec. 6 Data Analyzed: 06/25/96

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	12	B
67-64-1	Acetone	11	U
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	11	U
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

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BH1137

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28115 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2811502

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N8851.D

Level: (low/med) LOW Date Received: 06/25/96

% Moisture: not dec. 6 Data Analyzed: 06/25/96

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.					
2.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BH1152

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28115 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2811503

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N8852.D

Level: (low/med) LOW Date Received: 06/25/96

% Moisture: not dec. 15 Data Analyzed: 06/25/96

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	14	B
67-64-1	Acetone	12	U
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)	12	U
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	12	U
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	12	U
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.

BH1152

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28115 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2811503

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N8852.D

Level: (low/med) LOW Date Received: 06/25/96

% Moisture: not dec. 15 Data Analyzed: 06/25/96

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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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BH1122

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 27115 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2811501

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2099.D

Level: (low/med) LOW Date Received: 06/25/96

% Moisture: not dec. 6 dec. Date Extracted:06/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/26/96

GPC Cleanup: (Y/N) N pH: 9.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	72	J
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	62	J
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	160	J

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BH1122

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 27115 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2811501

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2099.D

Level: (low/med) LOW Date Received: 06/25/96

% Moisture: not dec. 6 dec. Date Extracted: 06/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/26/96

GPC Cleanup: (Y/N) N pH: 9.0 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	110	J
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	190	J
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	1000	
120-12-7	Anthracene	240	J
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	350	U
206-44-0	Fluoranthene	1200	
129-00-0	Pyrene	880	
85-68-7	Butylbenzylphthalate	51	J
91-94-1	3,3'-Dichlorobenzidine	710	U
56-55-3	Benzo(a)anthracene	530	
218-01-9	Chrysene	540	
117-81-7	bis(2-Ethylhexyl)phthalate	350	U
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	320	J
207-08-9	Benzo(k)fluoranthene	270	J
50-32-8	Benzo(a)pyrene	530	
193-39-5	Indeno(1,2,3-cd)pyrene	250	J
53-70-3	Dibenz(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	270	J
100-51-6	Benzyl Alcohol	350	U
65-85-0	Benzoic Acid	1800	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BH1122

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 27115 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2811501

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2099.D

Level: (low/med) LOW Date Received: 06/25/96

% Moisture: not dec. 6 dec. Date Extracted:06/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/26/96

GPC Cleanup: (Y/N) N pH: 9.0 Dilution Factor: 1.0

Number TICs found: 21

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.614	2900	JB
2.		UNKNOWN ALDOL	2.787	9000	JB
3.		UNKNOWN	3.011	2600	J
4.		UNKNOWN SILOXANE	3.167	410	J
5.		UNKNOWN	3.616	400	J
6.		UNKNOWN	3.910	200	J
7.		UNKNOWN	4.083	880	J
8.		UNKNOWN SILOXANE	4.221	850	JB
9.		UNKNOWN	4.325	1800	J
10.		UNKNOWN	4.688	330	J
11.		UNKNOWN SILOXANE	5.431	380	J
12.		UNKNOWN SILOXANE	5.535	640	JB
13.		UNKNOWN AROMATIC	5.812	180	J
14.		UNKNOWN SILOXANE	6.987	220	J
15.		UNKNOWN	7.540	370	J
16.		UNKNOWN AROMATIC	8.629	200	J
17.		UNKNOWN AROMATIC	9.770	220	J
18.		UNKNOWN AROMATIC	10.669	530	J
19.		UNKNOWN	11.758	830	J
20.		UNKNOWN AROMATIC	17.981	290	J
21.		UNKNOWN	20.902	380	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BH1137

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 27115 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2811502

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2100.D

Level: (low/med) LOW Date Received: 06/25/96

% Moisture: not dec. 6 dec. Date Extracted: 06/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/26/96

GPC Cleanup: (Y/N) N pH: 9.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	350	U

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BH1137

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 27115 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2811502

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2100.D

Level: (low/med) LOW Date Received: 06/25/96

% Moisture: not dec. 6 dec. Date Extracted: 06/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/26/96

GPC Cleanup: (Y/N) N pH: 9.0 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	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	210	J
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	710	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)phthalate	350	U
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenz(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	U
100-51-6	Benzyl Alcohol	350	U
65-85-0	Benzoic Acid	1800	U

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BH1137

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 27115 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2811502

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2100.D

Level: (low/med) LOW Date Received: 06/25/96

% Moisture: not dec. 6 dec. Date Extracted:06/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/26/96

GPC Cleanup: (Y/N) N pH: 9.0 Dilution Factor: 1.0

Number TICs found: 20

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.611	2700	JB
2.		UNKNOWN	2.749	170	J
3.		UNKNOWN ALDOL	2.784	1200	AJB
4.		UNKNOWN HYDROCARBON	3.009	530	J
5.		UNKNOWN SILOXANE	4.218	800	JB
6.		UNKNOWN SILOXANE	5.446	130	J
7.		UNKNOWN SILOXANE	5.532	580	JB
8.		UNKNOWN SILOXANE	7.071	150	JB
9.		UNKNOWN SILOXANE	8.609	200	J
10.		UNKNOWN AROMATIC	9.802	140	J
11.		UNKNOWN	10.649	320	J
12.		UNKNOWN AROMATIC	11.755	490	J
13.		UNKNOWN AROMATIC	12.982	350	J
14.		UNKNOWN AROMATIC	14.193	140	J
15.		UNKNOWN	16.267	130	J
16.		UNKNOWN	17.079	160	J
17.		UNKNOWN AROMATIC	17.581	410	J
18.		UNKNOWN	17.823	130	J
19.		UNKNOWN AROMATIC	18.030	150	J
20.		UNKNOWN AROMATIC	18.393	140	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BH1152

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 27115 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2811503

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2101.D

Level: (low/med) LOW Date Received: 06/25/96

% Moisture: not dec. 15 dec. Date Extracted: 06/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/26/96

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)Ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
59-50-7	4-Chloro-3-Methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	2000	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	2000	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	2000	U
83-32-9	Acenaphthene	390	U

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BH1152

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 27115 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2811503

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2101.D

Level: (low/med) LOW Date Received: 06/25/96

% Moisture: not dec. 15 dec. Date Extracted: 06/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/26/96

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2000	U
100-02-7	4-Nitrophenol	2000	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	600	
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	2000	U
534-52-1	4,6-Dinitro-2-methylphenol	2000	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	2000	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	780	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
117-81-7	bis(2-Ethylhexyl)phthalate	390	U
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenz(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	390	U
100-51-6	Benzyl Alcohol	390	U
65-85-0	Benzoic Acid	2000	U

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BH1152

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 27115 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) SOIL Lab Sample ID: 2811503

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q2101.D

Level: (low/med) LOW Date Received: 06/25/96

% Moisture: not dec. 15 dec. Date Extracted:06/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/26/96

GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.0

Number TICs found: 21

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.612	2500	JB
2.		UNKNOWN ALDOL	2.802	790	AJB
3.		UNKNOWN HYDROCARBON	2.854	150	J
4.		UNKNOWN	4.064	250	J
5.		UNKNOWN	4.220	1900	J
6.		UNKNOWN SILOXANE	5.447	320	J
7.		UNKNOWN SILOXANE	5.533	900	JB
8.		UNKNOWN SILOXANE	6.968	120	J
9.		UNKNOWN SILOXANE	7.072	270	JB
10.		UNKNOWN SILOXANE	8.610	140	J
11.		UNKNOWN AROMATIC	9.803	270	J
12.		UNKNOWN AROMATIC	10.650	950	J
13.		UNKNOWN AROMATIC	11.756	930	J
14.		UNKNOWN SILOXANE	12.448	150	J
15.		UNKNOWN SILOXANE	12.983	400	J
16.		UNKNOWN AROMATIC	14.193	230	J
17.		UNKNOWN AROMATIC	15.300	120	J
18.		UNKNOWN AROMATIC	16.268	170	J
19.		UNKNOWN SILOXANE	17.806	130	J
20.		UNKNOWN HYDROCARBON	22.975	150	J
21.		UNKNOWN HYDROCARBON	24.600	130	J
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BH1122

Lab Name: NYTEST_ENV_INC Contract: 9622619

Lab Code: NYTEST Case No.: 28115 SAS No.: SDG No.: GRUM81

Matrix (soil/water): SOIL Lab Sample ID: 811501

Level (low/med): LOW Date Received: 06/25/96

% Solids: 93.9

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	0.78	U	N	P
7440-38-2	Arsenic	2.1			P
7440-41-7	Beryllium	0.35	B		P
7440-43-9	Cadmium	0.33	B		P
7440-47-3	Chromium	7.0		E	P
7440-50-8	Copper	9.8			P
7439-92-1	Lead	10.0			P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	2.9	B	E	P
7782-49-2	Selenium	1.3			P
7440-22-4	Silver	0.42	B	N	P
7440-28-0	Thallium	1.2	B		P
7440-66-6	Zinc	15.8		*	P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BH1137

Lab Name: NYTEST_ENV_INC Contract: 9622619

Lab Code: NYTEST Case No.: 28115 SAS No.: SDG No.: GRUM81

Matrix (soil/water): SOIL Lab Sample ID: 811502

Level (low/med): LOW Date Received: 06/25/96

% Solids: 93.5

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	0.80	U	N	P
7440-38-2	Arsenic	4.8			P
7440-41-7	Beryllium	0.16	B		P
7440-43-9	Cadmium	0.08	U		P
7440-47-3	Chromium	11.2		E	P
7440-50-8	Copper	7.3			P
7439-92-1	Lead	2.1			P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	1.7	B	E	P
7782-49-2	Selenium	1.4			P
7440-22-4	Silver	0.14	U	N	P
7440-28-0	Thallium	0.83	B		P
7440-66-6	Zinc	14.0		*	P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BH1152

Lab Name: NYTEST_ENV_INC Contract: 9622619

Lab Code: NYTEST Case No.: 28115 SAS No.: SDG No.: GRUM81

Matrix (soil/water): SOIL Lab Sample ID: 811503

Level (low/med): LOW Date Received: 06/25/96

% Solids: 84.9

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	0.84	U	N	P
7440-38-2	Arsenic	9.3			P
7440-41-7	Beryllium	0.03	B		P
7440-43-9	Cadmium	0.09	U		P
7440-47-3	Chromium	5.2		E	P
7440-50-8	Copper	4.8	B		P
7439-92-1	Lead	1.9			P
7439-97-6	Mercury	0.12	U		CV
7440-02-0	Nickel	0.26	U	E	P
7782-49-2	Selenium	0.91	B		P
7440-22-4	Silver	0.15	U	N	P
7440-28-0	Thallium	2.8			P
7440-66-6	Zinc	6.7		*	P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BH1215

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28281 SAS No.: SDG No.: 28281

Matrix: (soil/water) SOIL Lab Sample ID: 2828102

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M0859.D

Level: (low/med) LOW Date Received: 07/08/96

% Moisture: not dec. 3 Data Analyzed: 07/08/96

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	5	JB
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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BH1215

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28281 SAS No.: SDG No.: 28281

Matrix: (soil/water) SOIL Lab Sample ID: 2828102

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M0859.D

Level: (low/med) LOW Date Received: 07/08/96

% Moisture: not dec. 3 Data Analyzed: 07/08/96

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.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BH1225

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28231 SAS No.: SDG No.: 28281

Matrix: (soil/water) SOIL Lab Sample ID: 2828103

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M0860.D

Level: (low/med) LOW Date Received: 07/08/96

% Moisture: not dec. 11 Data Analyzed: 07/08/96

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	11	U
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
73-87-5	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	11	U
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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BH1225

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28231 SAS No.: SDG No.: 28281

Matrix: (soil/water) SOIL Lab Sample ID: 2828103

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M0860.D

Level: (low/med) LOW Date Received: 07/08/96

% Moisture: not dec. 11 Data Analyzed: 07/08/96

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.					
2.					
3.					
4.					
5.					
6.					
7.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BH1257

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28281 SAS No.: SDG No.: 28281

Matrix: (soil/water) SOIL Lab Sample ID: 2828101

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M0858.D

Level: (low/med) LOW Date Received: 07/08/96

% Moisture: not dec. 3 Data Analyzed: 07/08/96

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	5	JB
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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BH1257

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28231 SAS No.: SDG No.: 28281

Matrix: (soil/water) SOIL Lab Sample ID: 2828101

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M0858.D

Level: (low/med) LOW Date Received: 07/08/96

% Moisture: not dec. 3 Data Analyzed: 07/08/96

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.					
2.					
3.					
4.					
5.					
6.					
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8.					
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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SBH132

Lab Name: NYTEST_ENV_INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: GRUM82

Matrix (soil/water): SOIL Lab Sample ID: 817711

Level (low/med): LOW Date Received: 06/28/96

% Solids: 96.8

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	0.44	B	N	P
7440-38-2	Arsenic	3.5			P
7440-41-7	Beryllium	0.08	B		P
7440-43-9	Cadmium	0.58			P
7440-47-3	Chromium	26.4			P
7440-50-8	Copper	59.9		N	P
7439-92-1	Lead	25.0			P
7439-97-6	Mercury	0.12			CV
7440-02-0	Nickel	3.5	B		P
7782-49-2	Selenium	0.57		*	P
7440-22-4	Silver	9.2			P
7440-28-0	Thallium	0.79	B		P
7440-66-6	Zinc	20.7		*	P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SBH134

Lab Name: NYTEST_ENV_INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177_ SAS No.: _____ SDG No.: GRUM82

Matrix (soil/water): SOIL_ Lab Sample ID: 817714

Level (low/med): LOW__ Date Received: 06/28/96

% Solids: _92.5

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	0.39	U	N	P
7440-38-2	Arsenic	7.6			P
7440-41-7	Beryllium	0.05	B		P
7440-43-9	Cadmium	0.05	B		P
7440-47-3	Chromium	13.4			P
7440-50-8	Copper	52.5		N	P
7439-92-1	Lead	24.6			P
7439-97-6	Mercury	0.11			CV
7440-02-0	Nickel	4.2			P
7782-49-2	Selenium	0.65		*	P
7440-22-4	Silver	8.3			P
7440-28-0	Thallium	1.2			P
7440-66-6	Zinc	18.4		*	P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SBH142

Lab Name: NYTEST_ENV_INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: GRUM82

Matrix (soil/water): SOIL Lab Sample ID: 817715

Level (low/med): LOW Date Received: 06/28/96

% Solids: 96.8

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	0.37	U	N	P
7440-38-2	Arsenic	3.5			P
7440-41-7	Beryllium	0.01	U		P
7440-43-9	Cadmium	0.09	B		P
7440-47-3	Chromium	15.8			P
7440-50-8	Copper	60.6		N	P
7439-92-1	Lead	14.2			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	13.2			P
7782-49-2	Selenium	1.2		*	P
7440-22-4	Silver	1.1			P
7440-28-0	Thallium	1.3			P
7440-66-6	Zinc	33.0		*	P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SBH144

Lab Name: NYTEST_ENV_INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177_ SAS No.: _____ SDG No.: GRUM82

Matrix (soil/water): SOIL_ Lab Sample ID: 817716

Level (low/med): LOW__ Date Received: 06/28/96

% Solids: _95.9

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.5	B	N	P
7440-38-2	Arsenic	3.8			P
7440-41-7	Beryllium	0.01	U		P
7440-43-9	Cadmium	0.57			P
7440-47-3	Chromium	35.7			P
7440-50-8	Copper	44.2		N	P
7439-92-1	Lead	16.1			P
7439-97-6	Mercury	0.24			CV
7440-02-0	Nickel	20.2			P
7782-49-2	Selenium	1.4		*	P
7440-22-4	Silver	4.8			P
7440-28-0	Thallium	1.6			P
7440-66-6	Zinc	33.9		*	P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SBH152

ab Name: NYTEST_ENV_INC Contract: 9622619

ab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: GRUM82

Matrix (soil/water): SOIL Lab Sample ID: 817717

evel (low/med): LOW Date Received: 06/28/96

% Solids: 82.2

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	0.91	B	N	P
7440-38-2	Arsenic	6.3			P
7440-41-7	Beryllium	0.26	B		P
7440-43-9	Cadmium	17.4			P
7440-47-3	Chromium	39.9			P
7440-50-8	Copper	34.5		N	P
7439-92-1	Lead	71.4			P
7439-97-6	Mercury	0.26			CV
7440-02-0	Nickel	11.7			P
7782-49-2	Selenium	1.3		*	P
7440-22-4	Silver	5.1			P
7440-28-0	Thallium	0.93	B		P
7440-66-6	Zinc	123		*	P

lor Before: Clarity Before: Texture:

lor After: Clarity After: Artifacts:

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SBH154

ab Name: NYTEST_ENV_INC Contract: 9622619

ab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: GRUM82

Matrix (soil/water): SOIL Lab Sample ID: 817718

evel (low/med): LOW Date Received: 06/28/96

% Solids: 95.8

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	0.78	B	N	P
7440-38-2	Arsenic	2.9			P
7440-41-7	Beryllium	0.01	U		P
7440-43-9	Cadmium	0.43	B		P
7440-47-3	Chromium	11.0			P
7440-50-8	Copper	5.5		N	P
7439-92-1	Lead	7.2			P
7439-97-6	Mercury	0.12			CV
7440-02-0	Nickel	7.4			P
7782-49-2	Selenium	1.5		*	P
7440-22-4	Silver	0.23	B		P
7440-28-0	Thallium	1.2			P
7440-66-6	Zinc	33.1		*	P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SBH162

Lab Name: NYTEST_ENV_INC_____ Contract: 9622619___

Lab Code: NYTEST Case No.: 28177_ SAS No.: _____ SDG No.: GRUM82

Matrix (soil/water): SOIL_ Lab Sample ID: 817719

Level (low/med): LOW__ Date Received: 06/28/96

% Solids: _85.5

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	2.2	B	N	P
7440-38-2	Arsenic	27.6			P
7440-41-7	Beryllium	1.3			P
7440-43-9	Cadmium	26.7			P
7440-47-3	Chromium	21.6			P
7440-50-8	Copper	81.4		N	P
7439-92-1	Lead	233			P
7439-97-6	Mercury	0.17			CV
7440-02-0	Nickel	33.6			P
7782-49-2	Selenium	2.3		*	P
7440-22-4	Silver	0.81	B		P
7440-28-0	Thallium	2.2			P
7440-66-6	Zinc	221		*	P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SBH164

ab Name: NYTEST_ENV_INC Contract: 9622619

ab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: GRUM82

Matrix (soil/water): SOIL Lab Sample ID: 817720

evel (low/med): LOW Date Received: 06/28/96

% Solids: 95.4

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	0.38	U	N	P
7440-38-2	Arsenic	1.6			P
7440-41-7	Beryllium	0.06	B		P
7440-43-9	Cadmium	0.19	B		P
7440-47-3	Chromium	5.7			P
7440-50-8	Copper	3.3		N	P
7439-92-1	Lead	5.7			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.8	B		P
7782-49-2	Selenium	0.78		*	P
7440-22-4	Silver	0.07	U		P
7440-28-0	Thallium	1.1			P
7440-66-6	Zinc	11.4		*	P

lor Before: Clarity Before: Texture:

olor After: Clarity After: Artifacts:

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SBH172

Lab Name: NYTEST_ENV_INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: GRUM82

Matrix (soil/water): SOIL Lab Sample ID: 817721

Level (low/med): LOW Date Received: 06/28/96

% Solids: 87.2

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.1	B	N	P
7440-38-2	Arsenic	17.6			P
7440-41-7	Beryllium	0.07	B		P
7440-43-9	Cadmium	0.53	B		P
7440-47-3	Chromium	14.7			P
7440-50-8	Copper	21.6		N	P
7439-92-1	Lead	53.8			P
7439-97-6	Mercury	0.15			CV
7440-02-0	Nickel	8.1			P
7782-49-2	Selenium	1.7		*	P
7440-22-4	Silver	0.52	B		P
7440-28-0	Thallium	1.4			P
7440-66-6	Zinc	122		*	P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SBH174

Lab Name: NYTEST_ENV_INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: GRUM82

Matrix (soil/water): SOIL Lab Sample ID: 817710

Level (low/med): LOW Date Received: 06/28/96

% Solids: 86.4

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	0.95	B	N	P
7440-38-2	Arsenic	2.9			P
7440-41-7	Beryllium	0.01	U		P
7440-43-9	Cadmium	0.04	U		P
7440-47-3	Chromium	9.8			P
7440-50-8	Copper	7.0		N	P
7439-92-1	Lead	6.5			P
7439-97-6	Mercury	0.12	U		CV
7440-02-0	Nickel	7.6			P
7782-49-2	Selenium	1.2		*	P
7440-22-4	Silver	0.09	B		P
7440-28-0	Thallium	1.3			P
7440-66-6	Zinc	23.6		*	P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

FORM I - IN ILM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

10594

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28182 SAS No.: SDG No.: 28182

Matrix: (soil/water) WATER Lab Sample ID: 2818205

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M0693.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. _____ Data Analyzed: 07/02/96

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	4	JB
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	17	
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	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.

10594

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28182 SAS No.: SDG No.: 28182

Matrix: (soil/water) WATER Lab Sample ID: 2818205

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M0693.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. _____ Data Analyzed: 07/02/96

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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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S8MW1

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28182 SAS No.: SDG No.: 28182

Matrix: (soil/water) WATER Lab Sample ID: 2818202

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M0690.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. _____ Data Analyzed: 07/02/96

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	4	JB
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.

S8MW1

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28182 SAS No.: SDG No.: 28182

Matrix: (soil/water) WATER Lab Sample ID: 2818202

Sample wt/vol: 5.0 (g/mL ML Lab File ID: M0690.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. _____ Data Analyzed: 07/02/96

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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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S8MW2

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28182 SAS No.: SDG No.: 28182

Matrix: (soil/water) WATER Lab Sample ID: 2818203

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M0691.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. _____ Data Analyzed: 07/02/96

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	4	JB
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	4	J
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

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S8MW2

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28182 SAS No.: SDG No.: 28182

Matrix: (soil/water) WATER Lab Sample ID: 2818203

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M0691.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. _____ Data Analyzed: 07/02/96

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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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S8MW3

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28182 SAS No.: SDG No.: 28182

Matrix: (soil/water) WATER Lab Sample ID: 2818204

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M0692.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. _____ Data Analyzed: 07/02/96

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	4	JB
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	4	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	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	4	J
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	1	J
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	3	J
108-05-4	Vinyl Acetate	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S8MW3

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28182 SAS No.: SDG No.: 28182

Matrix: (soil/water) WATER Lab Sample ID: 2818204

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M0692.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. _____ Data Analyzed: 07/02/96

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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NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

10594

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) WATER Lab Sample ID: 2818205

Sample wt/vol: 930 (g/mL) ML Lab File ID: Q2290.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/01/96

Concentrated Extract Volume: 1000(UL) Date Analyzed: 07/02/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
108-95-2	Phenol		11	U
111-44-4	bis(2-Chloroethyl)Ether		11	U
95-57-8	2-Chlorophenol		11	U
541-73-1	1,3-Dichlorobenzene		11	U
106-46-7	1,4-Dichlorobenzene		11	U
95-50-1	1,2-Dichlorobenzene		11	U
95-48-7	2-Methylphenol		11	U
108-60-1	2,2'-oxybis(1-Chloropropane)		11	U
106-44-5	4-Methylphenol		11	U
621-64-7	N-Nitroso-di-n-propylamine		11	U
67-72-1	Hexachloroethane		11	U
98-95-3	Nitrobenzene		11	U
78-59-1	Isophorone		11	U
88-75-5	2-Nitrophenol		11	U
105-67-9	2,4-Dimethylphenol		11	U
120-83-2	2,4-Dichlorophenol		11	U
120-82-1	1,2,4-Trichlorobenzene		11	U
91-20-3	Naphthalene		11	U
106-47-8	4-Chloroaniline		11	U
87-68-3	Hexachlorobutadiene		11	U
111-91-1	bis(2-Chloroethoxy)methane		11	U
59-50-7	4-Chloro-3-Methylphenol		11	U
91-57-6	2-Methylnaphthalene		11	U
77-47-4	Hexachlorocyclopentadiene		11	U
88-06-2	2,4,6-Trichlorophenol		11	U
95-95-4	2,4,5-Trichlorophenol		54	U
91-58-7	2-Chloronaphthalene		11	U
88-74-4	2-Nitroaniline		54	U
131-11-3	Dimethylphthalate		11	U
208-96-8	Acenaphthylene		11	U
606-20-2	2,6-Dinitrotoluene		11	U
99-09-2	3-Nitroaniline		54	U
83-32-9	Acenaphthene		11	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

10594

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) WATER Lab Sample ID: 2818205

Sample wt/vol: 930 (g/mL) ML Lab File ID: Q2290.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 07/01/96

Concentrated Extract Volume: 1000 (UL) Date Analyzed: 07/02/96

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	54	U
100-02-7	4-Nitrophenol	54	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	54	U
534-52-1	4,6-Dinitro-2-methylphenol	54	U
86-30-6	N-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	54	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
86-74-8	Carbazole	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	22	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	2	J
117-84-0	Di-n-octylphthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U
100-51-6	Benzyl Alcohol	11	U
65-85-0	Benzoic Acid	54	U

(1) - Cannot be separated from Diphenylamine

1F

NYSDEC SAMPLE NO.

10594

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) WATER Lab Sample ID: 2818205

Sample wt/vol: 930 (g/mL) ML Lab File ID: Q2290.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/01/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/02/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 6

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.500	5	J
2.		UNKNOWN	11.267	3	J
3.		UNKNOWN	12.684	14	J
4.		UNKNOWN	18.732	2	J
5.		UNKNOWN HYDROCARBON	22.749	4	J
6.		UNKNOWN	25.821	16	J
7.					
8.					
9.					
10.					
11.					
12.					
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

S8MW1

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) WATER Lab Sample ID: 2818202

Sample wt/vol: 1000 (g/mL) ML Lab File ID: Q2287.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: ______ decanted: (Y/N)___ Date Extracted: 07/01/96

Concentrated Extract Volume: 1000(UL) Date Analyzed: 07/02/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

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

FORM I SV-1 NYSDEC ASP 12/91

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

S8MW1

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) WATER Lab Sample ID: 2818202

Sample wt/vol: 1000 (g/mL) ML Lab File ID: Q2287.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/01/96

Concentrated Extract Volume: 1000(UL) Date Analyzed: 07/02/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

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
86-74-8	Carbazole	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

NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

S8MW1

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) WATER Lab Sample ID: 2818202

Sample wt/vol: 1000 (g/mL) ML Lab File ID: Q2287.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/01/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/02/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 19

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN HYDROCARBON	2.106	38	J
2.		UNKNOWN HYDROCARBON	2.235	61	J
3.		UNKNOWN HYDROCARBON	2.299	30	J
4.		UNKNOWN HYDROCARBON	2.364	24	J
5.		UNKNOWN HYDROCARBON	2.955	31	J
6.		UNKNOWN HYDROCARBON	3.019	9	J
7.		UNKNOWN HYDROCARBON	3.137	61	J
8.		UNKNOWN HYDROCARBON	3.191	21	J
9.		UNKNOWN HYDROCARBON	3.245	6	J
10.		UNKNOWN	3.825	5	J
11.		UNKNOWN HYDROCARBON	3.986	4	J
12.		UNKNOWN HYDROCARBON	4.179	6	J
13.		UNKNOWN	4.222	7	J
14.		UNKNOWN	4.544	4	J
15.		UNKNOWN	4.695	4	J
16.		UNKNOWN	4.985	6	J
17.		UNKNOWN HYDROCARBON	5.103	4	J
18.		UNKNOWN	5.457	4	J
19.		UNKNOWN HYDROCARBON	5.876	7	J
20.					
21.					
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

S8MW2

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) WATER Lab Sample ID: 2818203

Sample wt/vol: 990 (g/mL) ML Lab File ID: Q2288.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/01/96

Concentrated Extract Volume: 1000(UL) Date Analyzed: 07/02/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

S8MW2

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) WATER Lab Sample ID: 2818203

Sample wt/vol: 990 (g/mL) ML Lab File ID: Q2288.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/01/96

Concentrated Extract Volume: 1000(UL) Date Analyzed: 07/02/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

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
86-74-8	Carbazole	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

NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

S8MW2

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) WATER Lab Sample ID: 2818203

Sample wt/vol: 990 (g/mL) ML Lab File ID: Q2288.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/01/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/02/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 3

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN HYDROCARBON	2.092	3	J
2.		UNKNOWN AROMATIC	7.613	6	J
3.		UNKNOWN	9.557	8	J
4.					
5.					
6.					
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

S8MW3

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) WATER Lab Sample ID: 2818204

Sample wt/vol: 950 (g/mL) ML Lab File ID: Q2289.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/01/96

Concentrated Extract Volume: 1000(UL) Date Analyzed: 07/02/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

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	53	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	53	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	53	U
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

S8MW3

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) WATER Lab Sample ID: 2818204

Sample wt/vol: 950 (g/mL) ML Lab File ID: Q2289.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/01/96

Concentrated Extract Volume: 1000(UL) Date Analyzed: 07/02/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	53	U
100-02-7	4-Nitrophenol	53	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	53	U
534-52-1	4,6-Dinitro-2-methylphenol	53	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	53	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	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	21	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	53	U

(1) - Cannot be separated from Diphenylamine

1F

NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

S8MW3

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) WATER Lab Sample ID: 2818204

Sample wt/vol: 950 (g/mL) ML Lab File ID: Q2289.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/01/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/02/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 18 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.403	3	J
2.		UNKNOWN AROMATIC	4.402	2	J
3.		UNKNOWN HYDROCARBON	9.010	2	J
4.		UNKNOWN HYDROCARBON	9.053	2	J
5.		UNKNOWN HYDROCARBON	9.408	2	J
6.		UNKNOWN HYDROCARBON	9.891	6	J
7.		UNKNOWN HYDROCARBON	9.966	8	J
8.		UNKNOWN	10.514	2	J
9.		UNKNOWN HYDROCARBON	10.675	4	J
10.		UNKNOWN HYDROCARBON	10.729	4	J
11.		UNKNOWN HYDROCARBON	11.084	4	J
12.		UNKNOWN HYDROCARBON	11.545	3	J
13.		UNKNOWN HYDROCARBON	11.696	8	J
14.		UNKNOWN HYDROCARBON	11.857	8	J
15.		UNKNOWN AROMATIC	12.007	4	J
16.		UNKNOWN HYDROCARBON	12.136	7	J
17.		UNKNOWN HYDROCARBON	14.059	3	J
18.		UNKNOWN	17.013	2	J
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U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

D10594

Lab Name: NYTEST_ENV_INC_____ Contract: 9622619___

Lab Code: NYTEST Case No.: 28182_ SAS No.: _____ SDG No.: 28182_

Matrix (soil/water): WATER Lab Sample ID: D818205

Level (low/med): LOW__ Date Received: 06/28/96

% Solids: ___0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	3.9	U		P
7440-38-2	Arsenic	4.7	B	*	P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.40	U		P
7440-47-3	Chromium	4.6	B		P
7440-50-8	Copper	10.6	B		P
7439-92-1	Lead	13.1		*	P
7439-97-6	Mercury	0.54		N	CV
7440-02-0	Nickel	17.1	B		P
7782-49-2	Selenium	3.2	U	*	P
7440-22-4	Silver	0.70	U	N	P
7440-28-0	Thallium	2.1	U	*	P
7440-66-6	Zinc	113			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

DISSOLVED_METALS_____

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

DS8MW2

Lab Name: NYTEST_ENV_INC_____ Contract: 9622619___

Lab Code: NYTEST Case No.: 28182_ SAS No.: _____ SDG No.: 28182_

Matrix (soil/water): WATER Lab Sample ID: D818203

Level (low/med): LOW__ Date Received: 06/28/96

% Solids: ___0.0

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

CAS No	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	3.9	U		P
7440-38-2	Arsenic	2.3	B	*	P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	1.2	B		P
7440-47-3	Chromium	8.3	B		P
7440-50-8	Copper	5.9	B		P
7439-92-1	Lead	1.5	U	*	P
7439-97-6	Mercury	0.20	U	N	CV
7440-02-0	Nickel	3.9	B		P
7782-49-2	Selenium	9.2		*	P
7440-22-4	Silver	0.81	B	N	P
7440-28-0	Thallium	2.1	U	*	P
7440-66-6	Zinc	77.2			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

DISSOLVED_METALS_____

FORM I - IN ILM03.0

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

DS8MW3

Lab Name: NYTEST_ENV_INC_____ Contract: 9622619___

Lab Code: NYTEST Case No.: 28182_ SAS No.: _____ SDG No.: 28182_

Matrix (soil/water): WATER Lab Sample ID: D818204

Level (low/med): LOW__ Date Received: 06/28/96

% Solids: __0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	3.9	U		P
7440-38-2	Arsenic	3.1	B	*	P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.40	U		P
7440-47-3	Chromium	0.68	B		P
7440-50-8	Copper	5.9	B		P
7439-92-1	Lead	2.3	B	*	P
7439-97-6	Mercury	0.40		N	CV
7440-02-0	Nickel	31.3	B		P
7782-49-2	Selenium	4.5	B	*	P
7440-22-4	Silver	1.2	B	N	P
7440-28-0	Thallium	2.1	U	*	P
7440-66-6	Zinc	33.3			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

DISSOLVED_METALS_____

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

10594

Lab Name: NYTEST_ENV_INC_____ Contract: 9622619___

Lab Code: NYTEST Case No.: 28182_ SAS No.: _____ SDG No.: 28182_

Matrix (soil/water): WATER Lab Sample ID: 818205

Level (low/med): LOW__ Date Received: 06/28/96

% Solids: __0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	3.9	U		P
7440-38-2	Arsenic	4.2	B	*	P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	1.4	B		P
7440-47-3	Chromium	162			P
7440-50-8	Copper	113			P
7439-92-1	Lead	980		*	P
7439-97-6	Mercury	0.21		N	CV
7440-02-0	Nickel	41.9			P
7782-49-2	Selenium	3.2	U	*	P
7440-22-4	Silver	0.70	U	N	P
7440-28-0	Thallium	5.9	B	*	P
7440-66-6	Zinc	307			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S8MW1

Lab Name: NYTEST_ENV_INC_____ Contract: 9622619___

Lab Code: NYTEST Case No.: 28182_ SAS No.: _____ SDG No.: 28182_

Matrix (soil/water): WATER Lab Sample ID: 818202

Level (low/med): LOW__ Date Received: 06/28/96

% Solids: __0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	3.9	U		P
7440-38-2	Arsenic	1.6	U	*	P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.40	U		P
7440-47-3	Chromium	2.2	B		P
7440-50-8	Copper	12.0	B		P
7439-92-1	Lead	1.5	U	*	P
7439-97-6	Mercury	0.20	U	N	CV
7440-02-0	Nickel	6.7	B		P
7782-49-2	Selenium	3.2	U	*	P
7440-22-4	Silver	0.70	U	N	P
7440-28-0	Thallium	3.4	B	*	P
7440-66-6	Zinc	79.6			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S8MW2

Lab Name: NYTEST_ENV_INC_____ Contract: 9622619___

Lab Code: NYTEST Case No.: 28182_ SAS No.: _____ SDG No.: 28182_

Matrix (soil/water): WATER Lab Sample ID: 818203

Level (low/med): LOW__ Date Received: 06/28/96

% Solids: __0.0

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

CAS No	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	3.9	U		P
7440-38-2	Arsenic	3.9	B	*	P
7440-41-7	Beryllium	0.32	B		P
7440-43-9	Cadmium	1.5	B		P
7440-47-3	Chromium	14.6			P
7440-50-8	Copper	19.3	B		P
7439-92-1	Lead	62.0		*	P
7439-97-6	Mercury	0.24		N	CV
7440-02-0	Nickel	6.7	B		P
7782-49-2	Selenium	3.4	B	*	P
7440-22-4	Silver	0.70	U	N	P
7440-28-0	Thallium	2.6	B	*	P
7440-66-6	Zinc	91.9			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S8MW3

Lab Name: NYTEST_ENV_INC_____ Contract: 9622619___

Lab Code: NYTEST Case No.: 28182_ SAS No.: _____ SDG No.: 28182_

Matrix (soil/water): WATER Lab Sample ID: 818204

Level (low/med): LOW__ Date Received: 06/28/96

% Solids: __0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	3.9	U		P
7440-38-2	Arsenic	5.7	B	*	P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.40	U		P
7440-47-3	Chromium	11.4			P
7440-50-8	Copper	11.2	B		P
7439-92-1	Lead	39.0		*	P
7439-97-6	Mercury	0.20	U	N	CV
7440-02-0	Nickel	31.5	B		P
7782-49-2	Selenium	3.2	U	*	P
7440-22-4	Silver	0.70	U	N	P
7440-28-0	Thallium	2.5	B	*	P
7440-66-6	Zinc	86.1			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB1

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28100 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) WATER Lab Sample ID: 2810001

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M0495.D

Level: (low/med) LOW Date Received: 06/21/96

% Moisture: not dec. _____ Data Analyzed: 06/24/96

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	3	JB
67-64-1	Acetone	8	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	Trichloroetnene	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

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FB1

Lab Name: NYTEST ENV INC. Contract: 9622619

Lab Code: NYTEST Case No.: 28100 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) WATER Lab Sample ID: 2810001

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M0495.D

Level: (low/med) LOW Date Received: 06/21/96

% Moisture: not dec. _____ Data Analyzed: 06/24/96

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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FORM I VOA-TIC SW846 METHOD 8240A

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

FB1

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28100 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) WATER Lab Sample ID: 2810001

Sample wt/vol: 1000 (g/mL) ML Lab File ID: Q2055.D

Level: (low/med) LOW Date Received: 06/21/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:06/22/96

Concentrated Extract Volume: 1000(UL) Date Analyzed: 06/24/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

FB1

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28100 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) WATER Lab Sample ID: 2810001

Sample wt/vol: 1000 (g/mL) ML Lab File ID: Q2055.D

Level: (low/med) LOW Date Received: 06/21/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:06/22/96

Concentrated Extract Volume: 1000(UL) Date Analyzed: 06/24/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

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
86-74-8	Carbazole	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

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

FB1

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28100 SAS No.: SDG No.: GRUM8

Matrix: (soil/water) WATER Lab Sample ID: 2810001

Sample wt/vol: 1000 (g/mL) ML Lab File ID: Q2055.D

Level: (low/med) LOW Date Received: 06/21/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:06/22/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/24/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 5

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.010	11	J
2.		UNKNOWN	17.202	2	J
3.		UNKNOWN	17.288	2	J
4.		UNKNOWN	17.772	2	J
5.		UNKNOWN	18.256	8	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB2

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28148 SAS No.: SDG No.: 28148

Matrix: (soil/water) WATER Lab Sample ID: 2814805

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M0609.D

Level: (low/med) LOW Date Received: 06/27/96

% Moisture: not dec. _____ Data Analyzed: 06/28/96

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	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

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FB2

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28148 SAS No.: SDG No.: 28148

Matrix: (soil/water) WATER Lab Sample ID: 2814805

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M0609.D

Level: (low/med) LOW Date Received: 06/27/96

% Moisture: not dec. _____ Data Analyzed: 06/28/96

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.					
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB2

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28148 SAS No.: SDG No.: 28148

Matrix: (soil/water) WATER Lab Sample ID: 2814805

Sample wt/vol: 1000 (g/mL) ML Lab File ID: Q2189.D

Level: (low/med) LOW Date Received: 06/27/96

% Moisture: not dec. 0 dec. Date Extracted: 06/28/96

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 06/29/96

GPC Cleanup: (Y/N) N pH: 7.0 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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB2

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28148 SAS No.: SDG No.: 28148

Matrix: (soil/water) WATER Lab Sample ID: 2814805

Sample wt/vol: 1000 (g/mL) ML Lab File ID: Q2189.D

Level: (low/med) LOW Date Received: 06/27/96

% Moisture: not dec. 0 dec. Date Extracted: 06/28/96

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 06/29/96

GPC Cleanup: (Y/N) N pH: 7.0 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	1	J
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
86-74-8	Carbazole	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.

FB2

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28148 SAS No.: SDG No.: 28148

Matrix: (soil/water) WATER Lab Sample ID: 2814805

Sample wt/vol: 1000 (g/mL) ML Lab File ID: Q2189.D

Level: (low/med) LOW Date Received: 06/27/96

% Moisture: not dec. 0 dec. Date Extracted: 06/28/96

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 06/29/96

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.053	4	J
2.		UNKNOWN	2.346	16	JB
3.					
4.					
5.					
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TPHC 310-13
REPORT OF ANALYSIS

Login No.: 28148

We find as follows:

Results in ppm, mg/L : Matrix : WATER

Parameter(s)	Sample Identification
Sample ID	FB2
Lab ID	2814805
Date Extracted	06/27/96
Date Analyzed	06/27/96
% Moisture	NA
Dilution factor	1
Gasoline	10 U
TPH (as Gasoline)	ND
Kerosene	10 U
TPH (as Kerosene)	ND
#2 Fuel Oil	10 U
TPH (as #2 Fuel Oil)	ND
#6 Fuel Oil	10 U
Lubricating Oil	ND
TPH (as Jet Fuel)	ND
TPH (as Hydraulic Oil)	ND
TPH (as 10W40 Motor Oil)	ND

ND = Not Detected

* TPH (as...) = Total Petroleum hydrocarbons quantitated as a particular hydrocarbon, however, peak pattern does not match that of the hydrocarbon reference standards.

000021

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

FB2

b Name: NYTEST_ENV_INC Contract: 9622619

Lab Code: NYTEST Case No.: 28148 SAS No.: SDG No.: 28148

Matrix (soil/water): WATER Lab Sample ID: 814805

Level (low/med): LOW Date Received: 06/27/96

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	6.3	B		P
7440-38-2	Arsenic	2.4	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.40	U		P
7440-47-3	Chromium	1.0	B	*	P
7440-50-8	Copper	1.3	U		P
7439-92-1	Lead	1.5	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	1.2	U		P
7782-49-2	Selenium	3.2	U		P
7440-22-4	Silver	9.7	B		P
7440-28-0	Thallium	5.7	B		P
7440-66-6	Zinc	18.3	B		P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

FORM I - IN

ILM03.0

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U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

FB3

Lab Name: NYTEST_ENV_INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: GRUM82

Matrix (soil/water): WATER Lab Sample ID: 817722

Level (low/med): LOW Date Received: 06/28/96

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	3.9	U	N	P
7440-38-2	Arsenic	1.6	U		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.40	U		P
7440-47-3	Chromium	1.8	B		P
7440-50-8	Copper	6.8	B	N	P
7439-92-1	Lead	4.4			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	2.8	B		P
7782-49-2	Selenium	3.2	U	*	P
7440-22-4	Silver	1.3	B		P
7440-28-0	Thallium	2.1	U		P
7440-66-6	Zinc	6.5	B	*	P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB4

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28182 SAS No.: SDG No.: 28182

Matrix: (soil/water) WATER Lab Sample ID: 2818201

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M0689.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. _____ Data Analyzed: 07/02/96

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	4	JB
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	5	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	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	4	J
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	3	J
108-05-4	Vinyl Acetate	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FB4

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28182 SAS No.: SDG No.: 28182

Matrix: (soil/water) WATER Lab Sample ID: 2818201

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M0689.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. _____ Data Analyzed: 07/02/96

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.					
5.					
6.					
7.					
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

FB4

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) WATER Lab Sample ID: 2818201

Sample wt/vol: 1000 (g/mL) ML Lab File ID: Q2286.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/01/96

Concentrated Extract Volume: 1000(UL) Date Analyzed: 07/02/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

FB4

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) WATER Lab Sample ID: 2818201

Sample wt/vol: 1000 (g/mL) ML Lab File ID: Q2286.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 07/01/96

Concentrated Extract Volume: 1000(UL) Date Analyzed: 07/02/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

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
86-74-8	Carbazole	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
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

FB4

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28177 SAS No.: SDG No.: 28177

Matrix: (soil/water) WATER Lab Sample ID: 2818201

Sample wt/vol: 1000 (g/mL) ML Lab File ID: Q2286.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:07/01/96

Concentrated Extract Volume: 1000(uL) Date Analyzed: 07/02/96

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

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	2.093	3	J
2.					
3.					
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U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

FB4

Lab Name: NYTEST_ENV_INC_____ Contract: 9622619___

Lab Code: NYTEST Case No.: 28182_ SAS No.: _____ SDG No.: 28182_

Matrix (soil/water): WATER Lab Sample ID: 818201

Level (low/med): LOW__ Date Received: 06/28/96

% Solids: __0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	3.9	U		P
7440-38-2	Arsenic	2.3	B	*	P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.40	U		P
7440-47-3	Chromium	0.60	U		P
7440-50-8	Copper	1.3	U		P
7439-92-1	Lead	1.5	U	*	P
7439-97-6	Mercury	0.20	U	N	CV
7440-02-0	Nickel	1.2	U		P
7782-49-2	Selenium	3.2	U	*	P
7440-22-4	Silver	1.1	B	N	P
7440-28-0	Thallium	2.1	U	*	P
7440-66-6	Zinc	46.6			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

_____

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB1

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28182 SAS No.: SDG No.: 28182

Matrix: (soil/water) WATER Lab Sample ID: 2818208

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M0688.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. _____ Data Analyzed: 07/02/96

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	5	JB
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.

TB1

Lab Name: NYTEST ENV INC Contract: 9622619

Lab Code: NYTEST Case No.: 28182 SAS No.: SDG No.: 28182

Matrix: (soil/water) WATER Lab Sample ID: 2818208

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M0688.D

Level: (low/med) LOW Date Received: 06/28/96

% Moisture: not dec. _____ Data Analyzed: 07/02/96

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.					
5.					
6.					
7.					
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29.					
30.					