PHASE II ENVIRONMENTAL SITE ASSESSMENT S1 PARCEL NORTHROP GRUMMAN CORPORATION BETHPAGE, NEW YORK

GERAGHTY & MILLER, INC.
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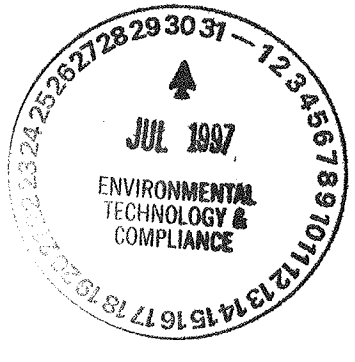
July 1997

Prepared for

Northrop Grumman Corporation
South Oyster Bay Road
Bethpage, New York 11714



Prepared by

Geraghty & Miller, Inc.
88 Duryea Road
Melville, New York 11747
(516) 249-7600

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Robert Porsche
Staff Scientist

Carlo San Giovanni
Principal Scientist

Michael F. Wolfert
Project Director

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1.0 INTRODUCTION

On February 14, 1997, Geraghty & Miller, Inc. was retained by the Northrop Grumman Corporation (Northrop Grumman) to conduct a Phase II Environmental Site Assessment (ESA) of the property known as the S1 Parcel, which is located on the southeastern portion of the Northrop Grumman airfield in Bethpage, New York. A location map is presented on Figure 1-1. The site is triangular-shaped, consists of 22.4 acres (current Tax ID No.: Section 46, Block 323, and a portion of Lot 17 J) and is currently owned by Northrop Grumman. This site is located within an area zoned as H, which is defined as light industrial. To the north of the S1 Parcel is Hangar 7 and to the northeast is Plant 1 (which contains offices, and the inactive Plant 1 Fuel Depot). To the southeast of the subject property is the T1 Parcel, which contains grass covered land and additional portions of the runway and a taxiway. To the southwest of the subject property is a building formerly used by the Board of Cooperative Education Services of Nassau County (BOCES), which was a vocational education training institution. West of the S1 Parcel are buildings known as Plant 2, and consolidated stock; site maps are provided on Figures 1-2 and 1-3.

The S1 Parcel was delisted from the New York State Registry of Inactive Hazardous Waste Disposal Sites (NYSDEC 1996) on March 11, 1994.

The S1 Parcel is generally level with topography gradually sloping away from the runway to facilitate drainage. Ground elevation is approximately 110 feet above mean sea level. Based on water-level measurements made during a Remedial Investigation (RI) of the Bethpage facility, the groundwater table would be found at approximately 45 feet below land surface (Geraghty & Miller, Inc. 1994). The shallow groundwater in this area is not used as a source of potable drinking water.

A Phase I ESA of the S1 Parcel was completed in April 1997. The purpose of the Phase II ESA is to document the investigative activities undertaken in accordance with the 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. Section 4 describes the findings and conclusions of the Phase II field program. The recommendations of the Phase II Site Assessment are presented in Section 5.

2.0 PHASE I SITE ASSESSMENT - OVERVIEW

This section presents an overview of the potential areas of environmental concern (AOC) identified in the Phase I Site Assessment and the investigative activities recommended for each. The areas of potential environmental concern, requiring additional investigation, included the following:

- Aircraft runway, taxiways and runway landing lights.
- Storm water dry wells.
- Aircraft staging areas.
- Former thrust deflector.
- Ammunition and explosives storage sheds.
- Underground arresting cable winch vault.

2.1 Aircraft Runway, Taxiways and Runway Landing Lights

The primary use of the S1 Parcel was as an aircraft runway and taxiways. Over the approximately 35 years that the runway and taxiways were used, petroleum hydrocarbons from the incomplete combustion of aircraft fuels may have accumulated on the runway and taxiways surfaces. Because storm water drains to the perimeter of the runway and taxiways, soils adjacent to these areas may have been impacted by petroleum hydrocarbons. In addition, herbicides may have been used on the aircraft runway or its perimeter to deter plant growth.

The installation of three soil borings was recommended in the vicinity of the runway to investigate soil potentially impacted by runway runoff, and/or polychlorinated biphenyl (PCB) contamination from leaking runway lights. S1-12 and S1-15 were installed as part of the S1 Parcel Phase II Field Program; S1-13 was installed as part of the Grumman Road Investigation. Based on the land use associated with this AOC, a sample interval of 0-4 ft was suggested for each location, with the following analyses to be performed: total petroleum hydrocarbons (TPH), 8 Resource Conservation and Recovery Act (RCRA) metals, herbicides and a volatile organic compound (VOC) grab sample based on headspace readings. In addition, Soil Borings S1-13 and S1-15 were installed adjacent to runway landing lights for the collection of samples for analysis of PCB.

2.2 Storm Water Dry Wells

Six storm water dry wells, discharging directly into the ground, were identified on the S1 Parcel. Because of the potential for petroleum hydrocarbons in storm water runoff, the storm water dry wells were considered potential AOCs. The catch basins identified on the S1 parcel were not considered an AOC because no recharge occurs within them; the catch basins are connected to storm water dry wells, where recharge occurs.

Based on the source of the runoff, which is collected in the catch basins and recharged to the aquifer through the storm water dry wells, the collection of samples from 2 discrete intervals beneath the bottom of each dry well was recommended. Samples (S1-D1 through S1-D6) were to be collected from 0-2 and 2-4 ft below the bottom of the storm water dry wells and analyzed for TPH, 8 RCRA Metals, VOCs and semi-volatile organic compounds (SVOCs) in for the Spill Technology And Remediation Series (STARS) Table 2 by EPA Method 8270.

2.3 Aircraft Staging Areas

Four aircraft staging areas, where aircraft were temporarily staged, displayed, potentially fueled, and/or serviced, are present on the S1 Parcel. Since petroleum hydrocarbons are associated with the fueling and/or servicing of the aircraft and storm water runoff is directed towards the perimeter of these staging areas, the soil adjacent to the aircraft staging areas may have been impacted by petroleum hydrocarbons and were identified as an AOC.

Furthermore, the Phase I aerial photograph review indicated that the central aircraft staging area was historically an aircraft calibration pad (or compass rose). Aircraft were positioned on the aircraft calibration pad, which contained a metal disc that would rotate, and the compass headings of the aircraft would be verified and/or adjusted. Reportedly, the disc was mechanically rotated with the use of gears, however, the disc may have, at one time, been hydraulically driven (Stover 1997). It is also likely that lubricating oil or hydraulic fluid may have been used in the operation of the aircraft

calibration pad. Due to the potential for historic use of either lubricating oil or hydraulic fluid, the former aircraft calibration pad was also identified as an AOC.

Based on the potential contaminant sources associated with these AOCs (aircraft fuels/oils, hydraulic systems associated with the aircraft and/or the compass rose), the collection of 4 samples (S1-1 through S1-4) from points surrounding each staging area were suggested. The samples were to be analyzed for TPH and 8 RCRA metals and a VOC grab sample was to be selected based on head space readings.

2.4 Former Thrust Deflector

A thrust deflector (blast fence) was identified during the Phase I review of the 1969 through 1988 aerial photographs. The thrust deflector was used to divert engine blasts from potentially interfering with aircraft crossing the taxiways leading to the runway. Incompletely combusted aircraft fuel may have accumulated over the years in soil adjacent to the thrust deflector. Therefore, the soil around the thrust deflector was identified as a potential AOC.

Based on the land use associated with this AOC, the drilling of a soil boring (S1-18) with 2 discrete sample intervals was recommended; 0-2 and 2-4 ft below grade. Samples were to be analyzed for TPH, 8 RCRA metals and SVOCs (STARS 8270).

2.5 Ammunition and Explosives Storage Sheds

A fabricated storage shed historically used to store live ammunition and explosives and the former location of a small shed (which based on aerial photographs was located adjacent to the fabricated storage shed) that was used to store and possibly test ejector seat rocket canisters, were identified on the S1 parcel. Due to the storage of ammunition and possible usage and testing of explosives these areas were identified as AOCs.

Based on the potential contaminant sources associated with this AOC, 2 soil samples were recommended, one at the location of the storage shed and the other at the location of the former shed. Samples (S1-5 and S1-6) were to be collected from 0 to 4 ft below grade and were to be analyzed for TPH, 8 RCRA metals, phosphorous, and nitrogen compounds. Based on the use of this portion of the S1 parcel as an explosives storage and test area, phosphorous and nitrogen were included in the list of analytes. In addition, a VOC grab sample was to be collected from each location based on photoionization detector (PID) readings.

2.6 Underground Arresting Cable Winch Vault

An underground arresting cable winch vault, approximately 6 feet by 6 feet by 6 feet, containing a hydraulic winch and a tank of nitrogen is located on the S1 Parcel. The arresting cable was formerly utilized in the simulating aircraft carrier landings. Lubricating oil or hydraulic fluid may have been used in the operation of the winch. Due to the potential for historic use of either lubricating oil or hydraulic fluid, the underground arresting cable winch vault was identified as an AOC.

Upon further investigation, it was determined by Northrop Grumman that the lubricating oil / hydraulic fluid reservoirs, and nitrogen tank are empty.

Based on the potential for contaminants associated with this AOC, two discrete samples were to be collected from 0 to 2 and 2 to 4 ft beneath the bottom of the winch vault. Samples from soil boring location S1-17 were to be analyzed for TPH and PCBs.

3.0 PHASE II SITE ASSESSMENT - FIELD PROGRAM

This section of the report provides a detailed summary of the field activities undertaken in support of the Phase II ESA and the rationale for the selection of analytical parameters. Field work was conducted in accordance with the recommendations of the April 1997 Phase I ESA report, as summarized in Section 2.0 of this report. The Phase II field program was conducted in two parts, on March 12 and 14, based on information gathered during the Phase I ESA, and on April 29, 30, and May 2, 1997, following the identification of additional potential AOCs during the March field effort, and a review of the preliminary soil sample data collected in March.

Based on previous investigations of the Northrop Grumman Bethpage facility conducted by Geraghty & Miller and other consultants, VOCs and the eight RCRA metals were identified as potential compounds of concern for the site, and for this reason, these analytes were included in the Phase II ESA list of analytical parameters.

To support the development of conclusions and recommendations regarding the level and degree of additional site investigation and/or remediation required, Geraghty & Miller has relied on the guidance/methodologies described in the New York State Department of Environmental Conservation (NYSDEC) January 24, 1994 and proposed revision (undated) Technical and Administrative Guidance Memorandum (TAGM) No. 4046. As discussed in the TAGM, this document is designed to provide a technical basis for NYSDEC project managers at "...individual Federal Superfund, State Superfund, 1986 EQBA Title 3, and Responsible Party (RP) sites..." to determine soil cleanup levels. The analytical results of soil samples analyzed for VOCs were compared to the Appendix A Criteria in TAGM No. 4046, and the analytical results of soil samples analyzed for metals were compared to Eastern USA background ranges and the proposed soil cleanup objectives for cadmium and chromium provided in the revised, undated TAGM No. 4046. Although not directly applicable, because the S1 Parcel is not one of the referenced site types, Appendix A Criteria and Eastern USA background levels were used because state and federal soil standards have not been promulgated, and use of the Appendix A Criteria and Eastern USA background levels is consistent with the guidance provided in TAGM No. 4046, which

states that attainment of the Appendix A Criteria will, at a minimum, eliminate significant threats to human health and/or the environment.

In addition, based on historical information provided by Northrop Grumman, Geraghty & Miller determined that the majority of the S1 property was previously utilized as an aircraft runway. Therefore, TPHs were added to the list of analytical parameters for soil samples collected. If TPHs were detected in a sample, a petroleum product identification analysis (TPH ID) was performed to determine what petroleum products existed in the sample.

If a petroleum product identification was made, total analyses for the SVOCs in STARS Table 2 were performed. The SVOC analysis was limited to the polyaromatic hydrocarbons of the STARS Table 2 list because the petroleum products identified were diesel range organics (DRO) fuel type products. Analysis of additional SVOC compounds was not warranted based on the results of the TPH ID. The results of total SVOCs analyses were compared to the Human Health Guidance Values, and TCLP Alternative Guidance Values in STARS Table 2. If the reported concentrations of SVOCs exceeded the TCLP Alternative Guidance Values, the samples were submitted for analysis of the TCLP extract. The TCLP results were compared to the TCLP Extraction Guidance Values provided in STARS Table 2. Comparison to guidance values under STARS Table 2 is done to assess potential impacts to groundwater and soil disposal options.

At each of the sample locations described below, extra sample containers were filled and submitted to the lab for possible TPH identification analysis, totals analysis of STARS Table 2 SVOCs, and analysis by the Toxicity Characteristics Leaching Procedure (TCLP) for STARS Table 2 SVOCs. Analysis of these extra samples was dependent upon the results of the TPH analysis.

Herbicides and PCBs were included in the Phase II list of analytical parameters based on the potential impacts associated with particular portions of the S1 Parcel (arresting cable winch vault and aircraft runway, taxiway and runway landing lights).

Based on the potential AOCs identified during the Phase I ESA, and part one of the Phase II Field Program, a total of 17 soil boring locations were selected for the collection of soil samples. The sample designations, analytical parameters, and rationale for sample location selection and analysis are summarized on Table 3-1 and described below. Soil sample locations are shown on Figure 1-3. With the exception of nitrate and phosphorous analyses, samples were submitted to EcoTest Labs, of Babylon, New York; samples for nitrate and phosphorous analysis were submitted to IEA Labs of Monroe, Connecticut. In addition, a mercury containing sample was split and sent to both labs for confirmatory analysis following an initial detection.

3.1 Air Monitoring Activities

During the drilling of soil borings, air monitoring for volatile organic vapors in the workers' breathing zone, and at the boreholes was conducted utilizing a PID. Prior to use, the PID was calibrated using a 100 parts per million (ppm) concentration of isobutylene gas. The PID was also utilized to screen the soil samples for the collection of samples for VOC analysis. When multiple soil samples were to be collected from a location (i.e., four points surrounding an aircraft staging area), the PID was used to select the VOC grab sample from the soil sample with the highest (if any) PID reading. If PID readings were similar, the shallowest sample or sample from the location with the lowest land surface elevation was submitted for lab analysis.

3.2 Soil Sampling Program

As part of the Phase II investigation of the S1 Parcel, soil borings were drilled at each of the following potential areas of concern.

- Aircraft runway, taxiways and runway landing lights.
- Storm water dry wells.
- Aircraft staging areas.
- Former thrust deflector.
- Ammunition and explosives storage sheds.
- Underground arresting cable winch vault.

The locations of the soil borings and the soil sample identification associated with each of the areas of environmental concern are shown on Figure 1-3. Soil borings were drilled utilizing a Geoprobe rig equipped with either a Macro Core (2 inch x 46 inch) or Large Bore (1 inch x 22 inch) sampling tubes. Depending on the conditions encountered and the type of sample to be collected, the appropriate sampling tube was selected. All sampling tools were decontaminated with Alconox and water prior to sample collection and all acetate liners were discarded after use.

Soil samples were screened with a PID, and were physically characterized and visually inspected for staining or discoloration. Field memos, soil sample descriptions, and chain of custody forms have been included in Appendix A. Where specified and based upon PID measurements, VOC grab samples were collected. The remaining soils from the sample location were composited and submitted to EcoTest Labs for one or more of the following analyses: TPH, TPH ID, SVOCs (STARS Table 2), the eight RCRA metals, herbicides, and PCBs. In locations where no VOC sample was collected, soils were composited and submitted for one or more of the following analyses: TPH, TPH ID, SVOCs (STARS Table 2), the eight RCRA metals, herbicides, and PCBs as described in Sections 3.2.1 through 3.2.6 of this report and summarized on Table 3-1. A field blank was collected during part one of the field program and is described in Section 3.3 of this report.

3.2.1 Aircraft Runway, Taxiways and Runway Landing Lights

As indicated on Table 3-1, Soil Boring locations S1-12, S1-13, and S1-15 were selected to sample soils which had the potential to have been exposed to runway, or taxiway runoff. In addition, Soil Samples S1-13 and S1-15 were located adjacent to runway landing lights to determine if the soils had been impacted by PCBs associated with the runway landing lights.

At Soil Boring S1-12, one soil sample was collected from 0 to 4 ft bg. The soil was screened with a PID for selection of a VOC grab sample; the remaining soils from the 0 to 4 ft interval were then composited and samples were collected for analysis of TPH, the eight RCRA metals, and herbicides.

During part one (March 12 and 14) of the Phase II field program, one soil sample was collected from 0 to 4 ft bg at Soil Borings S1-13 and S1-15. The soil was screened with a PID for selection of a VOC grab sample; the remaining soils from the 0 to 4 ft interval were then composited and samples were collected for analysis of TPH, the eight RCRA metals, herbicides, and PCBs. The analytical results are presented in Section 4.1.1 of this report.

During part two (April 29 - May 2) of the Phase II field program, following the identification of petroleum products in S1-13, samples were collected at Soil Borings S1-13 and S1-13W from three discrete zones (0 to 1, 1 to 2, and 2 to 4 ft bg). The soils were analyzed for SVOCs (STARS Table 2) and TCLP SVOCs (STARS Table 2). The analytical results are presented in Section 4.1.1 of this report.

3.2.2 Storm Water Dry Wells

Soil Borings S1-D1 through S1-D6 were installed through the storm water dry wells shown on Figure 1-3. In accordance with the assessment protocols, two discrete samples were collected beneath each dry well. The soils from 0 to 2 and 2 to 4 ft beneath the bottoms of the storm water dry wells were each composited and samples submitted for analysis of TPH, 8 RCRA Metals, VOCs and SVOCs (STARS Table 2). The analytical results are presented in Section 4.1.2 of this report.

3.2.3 Aircraft Staging Areas

At Soil Borings S1-1 through S1-4, four-point composite soil samples were collected in the following manner: at each location, four samples were collected from 0 to 4 ft bg at points surrounding (north, south, east, and west) each paved area. As each of these samples were collected, they were screened with a PID; a VOC grab sample was selected at each soil boring location from the sample with the highest head space reading. The soils remaining at each soil boring location were then composited and samples were collected for analysis of TPH and the eight RCRA metals. The analytical results are presented in Section 4.1.3 of this report.

3.2.4 Former Thrust Deflector

Soil Boring S1-18 was installed adjacent to the former location of the thrust deflector as identified in the areal photograph review conducted as part of the Phase I Investigation. Two discrete samples were collected from 0 to 2 and 2 to 4 ft bg. The samples were submitted to the laboratory for analysis of TPH, 8 RCRA Metals, and Total STARS Table 2 SVOCs. The analytical results are presented in Section 4.1.4 of this report.

3.2.5 Ammunition and Explosive Storage Shed

At Soil Borings S1-5 and S1-6 one soil sample was collected from each location from 0 to 4 ft bg. The soil was screened with a PID for selection of a VOC grab sample; the remaining soils from the 0 to 4 ft interval were then composited and samples were collected for analysis of TPH, the eight RCRA metals, phosphorus, and nitrogen compounds. The analytical results are presented in Section 4.1.5 of this report.

3.2.6 Underground Arresting Cable Winch Vault

At Soil Boring S1-17 two discrete samples were collected from 0 to 2 and 2 to 4 ft below the bottom of the winch vault. Since the vault had no concrete floor, the borings were advanced through the center of the vault. Samples were analyzed for TPH and PCBs. The analytical results are presented in Section 4.1.6 of this report.

Following the Phase II investigation, two arresting cable pulley vaults were identified; the first located approximately 20 ft northwest of the winch vault, the second located 85 ft further northwest. Although no samples were collected at these locations, they were visually inspected. The results and conclusions of this inspection are presented in Section 4.1.6 of this report.

3.3 Field Blank Sample

At the completion of the days efforts on March 12, 1997, a field blank was collected and submitted to the laboratory for analysis of TPH, VOCs, Herbicides, PCBs and the eight RCRA metals. Procedures used to collect the field blank are as follows: following decontamination of the sampling

equipment, laboratory supplied distilled water was poured over the sampling shoe and trowel and collected in the stainless steel bowl used to composite the soil samples. The water was then bottled and submitted to the lab for the analyses indicated above. The field blank was collected to ensure that the soil samples had not been subjected to cross contamination from the sampling equipment. The analytical results are presented in Section 4.2 of this report.

4.0 FINDINGS AND CONCLUSIONS

The findings and conclusions presented in the section summarize the investigative results as they relate to each AOC. Analytical results of laboratory analyses performed are summarized and compared to the appropriate guidance values as indicated below. For purposes of simplifying the compilation of laboratory data collected during the Phase II Investigation Field Program, laboratory data tables have been compiled based on the compounds analyzed. The discussions presented in Sections 4.1.1 through 4.1.6 describe the compounds detected at each of the potential AOCs. Section 4.2 describes the analytical results of the field blank analysis. Analytical results are summarized on the following tables:

- Table 4-1 Total Petroleum Hydrocarbons.
- Table 4-2 Petroleum Product Identification.
- Table 4-3 Volatile Organic Compounds.
- Table 4-4 8 RCRA Metals.
- Table 4-5 Herbicides and PCBs.
- Table 4-6 Nitroaromatic and Nitramine residue and Phosphorous.
- Table 4-7 Total STARS Semi-Volatile Organic Compounds.
- Table 4-8 TCLP STARS Semi-Volatile Organic Compounds.

The rationale for the analytical parameters for soil samples collected during the Phase II Investigation Field Program are discussed below.

4.1 Soil Sampling Program

The following sections summarize the soil sampling program for the Phase II Investigation of the S1 Parcel. Soil samples were collected from each of the following potential AOCs:

- Aircraft runway, taxiways and runway landing lights.
- Storm water dry wells.
- Aircraft staging areas.
- Former thrust deflector.
- Ammunition and explosives storage sheds.
- Underground arresting cable winch vault.

4.1.1 Aircraft Runway, Taxiways and Runway Landing Lights

Soil Boring S1-12 was installed in a grassy area adjacent to the western end of the S1 Parcel to sample soil for the environmental impact of runway runoff; S1-13 and S1-15 were installed in the vicinity of the runway, adjacent to runway landing lights to sample soil for the environmental impact of runway/taxiway runoff, and to quantify the environmental impact of the runway landing lights. Analytical results of soil samples collected from these borings are summarized below.

TPH was detected in Soil Samples S1-12, S1-13 (0 to 4 ft) and S1-15 at 13, 10,000 and 120 mg/kg, respectively. Analytical results are presented on Table 4-1. In accordance with our standard operating procedure, Geraghty & Miller authorized the analysis of TPH ID for each of the samples, following approval by Northrop Grumman. No petroleum related products were identified in Soil Samples S1-12, S1-13 (4 to 15 ft), or S1-15 (see Table 4-2). A mixture of products was identified in Soil Sample S-13 (0 to 4 ft) and tentatively identified as Diesel at 830 ug/kg, and Lubricating Oil at 2,700 ug/kg. Review of the chromatographs for this analysis by Geraghty & Miller confirmed the presence of a degraded petroleum product. Although the product did not exactly match the standards to which it is typically compared, the lab's interpretation of the chromatograph is that the product detected in this sample most closely resembles a very weathered # 2 Fuel Oil or very weathered Diesel Fuel oil and Lubricating Oil. Based on the TPH ID results, the concentrations reported in the TPH analyses were likely the result of asphalt mixing with Soil Samples S1-12 and S1-15 during collection.

With the exception of methylene chloride detected in S1-15, at 1 ug/kg, no VOCs were detected above method detection limits. Methylene chloride is a common laboratory contaminant and the detection of methylene chloride at 1 ug/kg is insignificant. Because no STARS parameters were detected above method detection limits, STARS Guidance Values were omitted from Table 4-3 and no comparison of VOC data to STARS Guidance Values was made. Analytical results are shown on Table 4-3.

The concentrations of arsenic, barium, cadmium, chromium, lead, mercury (S1-13 and S1-15, only) and selenium in Soil Samples S1-12, S1-13 (0 to 4 ft) and S1-15, were below Eastern USA Background ranges. Mercury was detected in Soil Sample S1-12 at 0.25 mg/kg, above the Eastern USA Background range. Silver was not detected at concentrations above method detection limits. During a subsequent sampling (April 29, 1997) of the S1-12 location to delineate the mercury contamination, discrete samples were collected from 0 to1, 1 to 2 and 2 to 4 ft below grade. None of the concentrations of mercury detected during the April 29 sampling event exceeded the Eastern USA Background values for mercury. (see Table 4-4).

Samples from Soil Borings S1-12, S1-13, and S1-15 were analyzed for PCBs and Herbicides. No PCBs or herbicides were detected in the soil samples. Analytical results are shown on Table 4-5.

Samples were collected from Soil Boring S1-13 during part one and two of the Phase II field program and analyzed for the SVOCs in STARS Table 2. During part one of the field program (March 1997), benzo(a)pyrene was detected in excess of STARS Human Health Guidance Values. The following compounds were detected in excess of STARS TCLP Alternative Guidance Values: benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene and benzo(a)pyrene. During part two of the field program (April 1997), additional sampling was performed in the vicinity of the S1-13 location to further delineate the horizontal and vertical distribution of the SVOC impacted soil. At Soil Borings S1-13(0 to 1 ft), S1-13(1 to 2 ft), S1-13(2 to 4 ft), S1-13W(0 to 1 ft), and S1-13W(1 to 2 ft) STARS Human Health and TCLP Alternative Guidance Values were exceeded for one or more of the following compounds: benzo(a)anthracene, chrysene, benzo(b)fluoranthene,

benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene. No SVOCs were detected at S1-13W(2 to 4 ft). Based on these analytical results, all soil samples from Soil Borings S1-13 and S1-13W were submitted for analysis of the TCLP extract for SVOCs. Analytical results are summarized on Table 4-7.

No SVOCs were detected in the TCLP extract of the samples from the S1-13 and S1-13W soil borings. Based on the guidance provided in the STARS Memo (NYSDEC, 1992), the results of the TCLP extract analysis from Soil Samples S1-13 and S1-13W demonstrate protection of groundwater; the soils from Soil Borings S1-13(0 to 1 ft), S1-13(1 to 2 ft), S1-13(2 to 4 ft), S1-13W(0 to 1 ft) and S1-13(1 to 2 ft) are impacted but not hazardous. Analytical results are shown on Table 4-8.

To address exceedences of STARS Human Health Guidance Values in samples S1-13(0 to 1 ft), S1-13(1 to 2 ft), S1-13(2 to 4 ft), S1-13W(0 to 1 ft) and S1-13W(1 to 2 ft), Geraghty & Miller is utilizing the results of the health Risk Assessment (Geraghty & Miller, 1997) performed on the data collected from the S1-13 and S1-13W Soil Borings, as well as other borings along Grumman Road. The assessment concluded that, "exposure to the PAHs detected in the soil at the Grumman Road Site are not expected to pose unacceptable risks...". Based on this conclusion, and the analytical results of soil samples collected, the soils surrounding the runway, taxiway and runway landing lights on the S1 Parcel in the vicinity of S1-12, S1-13, S1-13W and S1-15 are not areas of environmental concern.

4.1.2 Storm Water Dry Wells

Soil Borings S1-D1 through S1-D6 were installed through each of the storm water dry wells identified on the S1 Parcel. Analytical results of samples collected are summarized below.

TPH was detected in Soil Samples S1-D1(0 to 2 ft), S1-D2(0 to 2 ft), S1-D2 (2 to 4 ft), S1-D3 (0 to 2 ft), S1-D3 (2 to 4 ft), S1-D4 (0 to 2 ft), S1-D4 (2 to 4 ft), and S1-D6 (0 to 2 ft) at concentrations ranging from 12 to 370 mg/kg. Analytical results are presented on Table 4-1. With Northrop Grumman's authorization, Geraghty & Miller requested the analysis of TPH ID for each of the soil samples listed above. TPH ID analyses indicated the presence of unknown products, tentatively identified by the lab as a mixture of #2 Fuel Oil and JP-5 in Soil Samples S1-D4 (0 to 2 and

2 to 4 ft), and an unknown product in Soil Sample S1-D6 (0 to 2 ft). Review of the chromatographs by Geraghty & Miller for these analyses confirms the presence of degraded petroleum products. Although the product did not exactly match the standards to which it is typically compared, the lab's interpretation of the chromatograph is that the product detected in Soil Samples S1-D4 (0 to 2 ft) and S1-D4 (2 to 4 ft) most closely resembles a mixture of very weathered JP-5 Military Fuel and very weathered #2 Fuel Oil. In Soil Sample S1-D6 (0 to 2 ft) the product was not identified, but was quantified as #6 Fuel Oil. Analytical results are summarized on Table 4-2.

With the exception of S1-D4(2 to 4 ft), no VOCs were detected above method detection limits in the soil samples collected from the storm water dry wells. At S1-D4(2 to 4 ft) the following VOCs were detected above method detection limits: p-Isopropyltoluene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, and sec-Butylbenzene at 18, 3, 14, and 14 ug/kg, respectively. No TAGM guidance values exist for these VOC compounds. Because no STARS parameters were detected above method detection limits, STARS Guidance Values were omitted from Table 4-3 and no comparison of VOC data to STARS Guidance Values was made. Analytical results are shown on Table 4-3.

Arsenic, barium, chromium, lead, and mercury were detected in soil samples from borings S1-D1 through S1-D6. Cadmium was only detected in soil samples from borings S1-D1, S1-D5 and S1-D6. Selenium and silver were not detected. With the exception of S1-D6 (0 to 2 ft), none of the metals detected in the storm water dry wells exceeded Eastern USA Background ranges or soil cleanup objectives At S1-D6 (0 to 2 ft), arsenic was detected at 76 mg/kg, above the Eastern USA Background value of 12 mg/kg. Based on guidance (Barnes, 1997) provided by the NYSDEC to Northrop Grumman for a similar situation, the following logic was employed: since the arsenic concentration does not exceed 20 times the TCLP guidance value, an analysis of the TCLP extract was not performed. This multiplier of 20 is derived from the knowledge that in generating the TCLP extract, a solid matrix is flushed with an acidic solution equal to 20 times the volume of the sample. In doing so, the concentrations detected in the extract cannot exceed 1/20 of the concentration present in the solid matrix. The fraction detected in the extract is directly dependent upon the solubility of the compound in question. Since the concentration reported for

arsenic did not exceeded 20 times the TCLP regulatory limit, it is extremely unlikely that the TCLP regulatory limits would be exceeded if the TCLP extract analysis were performed, and therefore soils in the storm water dry wells would not be considered hazardous due to the metals concentrations detected. Analytical results are shown on Table 4-4.

With the exception of S1-D1(0 to 2 ft) and S1-D6(0 to 2 ft), no STARS SVOCs were detected in the storm water dry well samples. At S1-D1(0 to 2 ft) fluoranthene and pyrene were detected at 36 and 41 ug/kg, respectively, which are below the Human Health and TCLP Alternative Guidance Values. At S1-D6(0 to 2 ft) Human Health and TCLP Alternative Guidance Values were exceeded for benzo(a)anthracene, chrysene, benzo(b,k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene (Human Health only), and benzo(g,h,l)perylene. Analytical results are summarized on Table 4-7.

No SVOCs were detected in the TCLP extract of the S1-D6(0 to 2 ft) sample. Based on the guidance provided in the STARS Memo (NYSDEC, 1992), the results of the TCLP extract analysis from Soil Sample S1-D6(0 to 2 ft) demonstrate protection of groundwater; the soils from storm water dry wells S1-D1(0 to 2 ft) and S1-D6(0 to 2 ft) are impacted but not hazardous. Analytical results are shown on Table 4-8.

4.1.3 Aircraft Staging Areas

Soil Borings S1-1 through S1-4 were installed at four points surrounding each of the aircraft staging areas identified on the S1 Parcel. TPH was detected at S1-2 and S1-4 at 39 and 58 mg/kg, respectively. Analytical results are presented on Table 4-1. With Northrop Grumman's approval, Geraghty & Miller requested TPH ID analyses on samples from S1-2 and S1-4. No petroleum products were detected in either of these samples. Analytical results are summarized on Table 4-2.

Methylene chloride was detected in S1-2 (1 ug/kg) and S1-3 (2 ug/kg), no other VOCs were detected in Soil Borings S1-1 through S1-4. Methylene chloride is a common laboratory

contaminant and the detection of methylene chloride at these concentrations is insignificant. Analytical results are shown on Table 4-3.

Arsenic, barium, chromium, lead, and mercury were detected in S1-1 through S1-4 at concentrations within Eastern USA Background ranges. Cadmium, silver and selenium were not detected above method detection limits. Analytical results are shown on Table 4-4.

Based upon the analytical data described above, the soils sampled at S1-1 through S1-4 are not an environmental concern.

4.1.4 Former Thrust Deflector

Soil Boring S1-18 was drilled in the location of the former thrust deflector as determined during the Phase I aerial photograph review.

TPH was detected at 22 and 16 mg/kg at S1-18 (0 to 2 ft) and S1-18(2 to 4 ft), respectively. Analytical results are presented on Table 4-1. With Northrop Grumman's approval, Geraghty & Miller requested that TPH ID analyses be performed on these samples. No petroleum products were detected in either of the soil samples. Analytical results are shown on Table 4-2.

Arsenic, barium, chromium, lead (0 to 2 ft only), and mercury were detected in Soil Samples S1-18(0 to 2 ft) and S1-18(2 to 4 ft) at concentrations within Eastern USA Background ranges. Cadmium, selenium and silver were not detected in either sample. Analytical results are shown on Table 4-4.

No SVOCs were detected at S1-18 (0 to 2) or S1-18 (2 to 4 ft). Analytical results are shown on Table 4-4.

Based on the analytical results summarized above, the thrust deflector location is not an area of environmental concern.

4.1.5 Ammunition and Explosives Storage Sheds

Soil Borings S1-5 and S1-6 were installed adjacent to the location of the shed historically used to store live ammunition and explosives and the former location of a smaller shed. TPH was detected at 11 mg/kg at both S1-5 and S1-6. Analytical results are presented on Table 4-1. With Northrop Grumman's authorization, Geraghty & Miller requested a TPH ID analysis be performed on these samples. No petroleum products were identified in either of these soil samples. Analytical results are shown on Table 4-2.

With the exception of methylene chloride detected in Soil Sample S1-5 at 2 ug/kg, no VOCs were detected in either soil sample. Methylene chloride is a common laboratory contaminant and the detection of methylene chloride at 2 ug/kg is insignificant. Because no STARS parameters were detected above method detection limits, STARS Guidance Values were omitted from Table 4-3 and no comparison of VOC data to STARS Guidance Values was made. Analytical results are shown on Table 4-3.

Arsenic, barium, chromium, lead, and mercury were detected at both S1-5 and S1-6 at concentrations within Eastern USA Background ranges. Cadmium, selenium and silver were not detected above method detection limits. Analytical results are presented on Table 4-4.

No nitroaromatic or nitramine residue compounds were detected in either S1-5 or S1-6. Total phosphorous was detected at S1-5 (179 mg/kg) and S1-6 (310 mg/kg), within the Eastern United States Background Observed Range. Analytical results are shown on Table 4-6.

Based on the analytical data summarized above, the former ammunition and explosives storage sheds are not an area of environmental concern.

4.1.6 Underground Arresting Cable Winch Vault

Two discrete samples, S1-17 (0 to 2 ft) and S1-17 (2 to 4 ft) were collected through the bottom of the arresting cable winch vault. TPH was detected at 42 and 14 mg/kg at S1-17 (0 to 2 ft) and S1-17 (2 to 4 ft), respectively. Analytical results are shown on Table 4-1. With Northrop

Grumman's authorization, Geraghty & Miller requested a TPH ID analysis be performed on these samples. Lubricating oil was detected at 38,000 ug/kg in Soil Sample S1-17 (0 to 2 ft). No petroleum products were detected in Soil Sample S1-17 (2 to 4 ft). Analytical results are shown on Table 4-2.

No PCBs were detected in S1-17 (0 to 2 ft). The lab reported an elevated detection limit due to chlordane interference for this sample. Chlordane is a chlorinated organic pesticide with retention times similar to those of PCBs. If chlordane is present in soils being tested for PCBs, the peaks for compounds present in chlordane and PCBs will overlap, making it impossible to distinguish the peaks related to the PCBs from those related to the chlordane. The elevated detection limit permits the lab to define the concentration below which they are unable to distinguish chlordane from PCBs, it does not imply the presence of PCBs. Analytical results are presented on Table 4-5.

SVOCs were not detected in S1-17(2 to 4 ft). The following SVOCs were detected in S1-17 (0 to 2 ft): fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene), benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,l)perylene. Analytical results are shown on Table 4-7. Because the laboratory was unable to separate the Benzo(b)fluoranthene and Benzo(k)fluoranthene isomers during their analysis, Geraghty & Miller has compared the total detected concentration (the sum of the reported Benzo(b)fluoranthene and Benzo(k)fluoranthene concentrations) to the sum of the STARS Human Health values for the two compounds and the sum of the TCLP Alternative Guidance Values for the two compounds. Benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, and dibenzo(a,h)anthracene exceed applicable STARS Human Health Guidance Values. In addition, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, and benzo(g,h,l)perylene exceed STARS TCLP Alternative Guidance values. Therefore, in accordance with STARS, for the purpose of determining the potential for groundwater impact, an analysis of the TCLP extract from S1-17(0 to 2 ft) was performed. Table 4-8 summarizes the results of the SVOC analysis of the TCLP extract. No SVOCs were detected in the TCLP extract. In accordance with guidance provided in the STARS Memo (NYSDEC, 1992), the soils from S1-17(0 to 2 ft) are petroleum impacted, but not hazardous and should be removed and disposed of at an approved asphalt batch plant.

Inspection of the arresting cable pulley vaults revealed that they are approximately 4ft x 4ft x 7ft. Probing of the interior of the vault indicates that the bottom is open to the subsurface soils. Although no soil sampling was conducted within the arresting cable winch vault, Northrop Grumman intends to remove the arresting cable pulley vaults, since petroleum impacts were detected in the arresting cable winch vault (which is assumed to have a similar usage). Endpoint samples should be collected from the arresting cable pulley vaults.

4.2 Field Blank Sample

No TPH was detected in the field blank (FB31297) above method detection limits. Analytical results are shown on Table 4-1.

With the exception of chloroform (3 ug/L), no VOCs were detected in FB31297. Analytical results are summarized on Table 4-3.

No metals were detected in FB31297 above method detection limits. Analytical results are shown on Table 4-4.

With the exception of Dalapon detected at 2.4 ug/L, no herbicides were detected in field blank FB31297. In addition, no PCBs were detected. Analytical results are shown on Table 4-5.

The soil data presented in this report was reviewed, utilizing data from the field blank sample and deemed appropriate for use in an environmental assessment. Cross contamination of soil samples is not a concern when interpreting the data collected during this investigation.

5.0 RECOMMENDATIONS

Based on the findings and conclusions presented in Section 4.0 of this report, Geraghty & Miller offers the following recommendations:

1. No further action is required for soils adjacent to the runway, taxiways and runway landing lights.
2. Soil from the 0 to 2 ft interval within storm water dry well S1-D6 should be excavated and disposed of off-site, in accordance with STARS.
3. No further action is required for soils surrounding the aircraft staging areas, at the location of the former thrust deflector, or surrounding the explosives storage sheds.
4. Based on our analysis of the arresting cable winch vault, and the similar usage associated with the arresting cable pulley vaults, soils from 0 to 2 ft below the bottom of the arresting cable winch and pulley vaults should be excavated. The excavations should be terminated based upon headspace readings and visual inspection of the excavated soils. Endpoint samples should be collected from the bottom of the excavations, and analyzed for Total and TCLP SVOCs (STARS Table 2), to verify that impacted soil has been removed from beneath the vaults. Since no PCBs were detected in the arresting cable winch vault, they will not be analyzed for in the endpoint samples.

6.0 REFERENCES

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TABLES

TABLES

Table 3-1. Soil Sample Locations and Rationale for the Phase II Investigation of the S1 Parcel, Northrop Grumman Corporation, Bethpage, New York.[c]

Sample Location	Analytical Parameters	Sample Depth (ft bg)	Rationale for Sample Location
S1-1*	1	0-4	Aircraft were staged at these areas, possibly fueled by tanker, no previous sampling conducted at this location.
S1-2*	1	0-4	Aircraft were staged at these areas, possibly fueled by tanker, no previous sampling conducted at this location.
S1-3*	1	0-4	Aircraft were staged at these areas, possibly fueled by tanker, no previous sampling conducted at this location.
S1-4*	1	0-4	Aircraft were staged at these areas, possibly fueled by tanker, no previous sampling conducted at this location.
S1-5	2	0-4	Explosive test and storage areas, no previous sampling conducted at this location.
S1-6	2	0-4	Explosive test and storage areas, no previous sampling conducted at this location.
S1-12	3	0-4	For additional coverage, runway runoff. No previous sampling conducted at this location.
S1-13**	4	0-4	For additional coverage, runway runoff, possible PCB contamination from runway lights. No previous sampling conducted at this location.
S1-15	4	0-4	For additional coverage, runway runoff, possible PCB contamination from runway lights. No previous sampling conducted at this location.
S1-17	5	0-2, 2-4[a]	Arresting cable winch vault, potential hydraulic fluid contamination.
S1-18	6	0-2, 2-4	Thrust Deflector, potential contamination by unburned aircraft fuel in aircraft exhaust.
S1-D1	7	0-2, 2-4[b]	Dry well, potential contamination due to runway/taxiway runoff.
S1-D2	7	0-2, 2-4[b]	Dry well, potential contamination due to runway/taxiway runoff.
S1-D3	7	0-2, 2-4[b]	Dry well, potential contamination due to runway/taxiway runoff.
S1-D4	7	0-2, 2-4[b]	Dry well, potential contamination due to runway/taxiway runoff.
S1-D5	7	0-2, 2-4[b]	Dry well, potential contamination due to runway/taxiway runoff.
S1-D6	7	0-2, 2-4[b]	Dry well, potential contamination due to runway/taxiway runoff.

ft bg Feet below grade.
1 TPH, VOC, and 8 RCRA METALS. TPH ID, TCLP, and TOTAL STARS will be performed as needed based upon results of TPH analysis.
2 Analytes from 1 and phosphorous and nitrogen compounds.
3 Analytes from 1 and Herbicides.
4 Analytes from 1 and Herbicides and PCBs.
5 TPH and PCBs. TPH ID, TCLP, and TOTAL STARS will be performed as needed based upon results of TPH analysis.
6 TPH, SVOCs and 8 RCRA Metals. TPH ID, and TCLP will be performed as needed based upon results of TPH analysis.
7 Analytes from 1 and SVOCs.
8 TPH, VOC, Herbicides, PCB, and 8 RCRA Metals.
* VOC grab sample was selected based upon head space analysis. All other parameters composited from 4 locations in the vicinity of the indicated soil boring location.
** Samples were collected during the Proposed Grumman Road Supplemental Phase II.
(a) Samples were collected from 0-2 ft and 2-4 below a depth coincident with the bottom of the arresting cable winch vault.
(b) Samples were collected from 0-2 ft and 2-4 below the bottom of the dry well.
(c) Field Blank (FB31297) was collected on 3/12/97, to ensure soil samples were not subjected to cross contamination from sampling equipment.
-Sample was analyzed for parameter #8.
TPH Total Petroleum Hydrocarbon.
TPH ID Petroleum Product Identification.
VOC Volatile Organic Compound.
SVOC Semivolatile organic compound.
TCLP Toxicity Characteristic Leachate Procedures.
PCB Polychlorinated Biphenyl.
STARS NYSDEC Spill Technology and Remediation Series.
RCRA Resource Conservation and Recovery Act.

Table 4-1. Results of TPH Analyses of Soil Samples Collected during the Phase II Investigation of the SI Parcel, Northrop Grumman Corporation, Bethpage, New York.

Sample ID	Sample Depth (in fbls)	Date Sampled	TPH (units in mg/kg)
S1-1	0-4	3/12/97	<10
S1-2	0-4	3/12/97	39
S1-3	0-4	3/12/97	<10
S1-4	0-4	3/12/97	58
S1-5	0-4	3/12/97	11
S1-6	0-4	3/12/97	11
S1-12	0-4	3/12/97	13
S1-13	0-4	3/14/97	10000
S1-15	0-4	3/12/97	120
S1-17	0-2	4/29/97	42
S1-17	2-4	4/29/97	14
S1-18	0-2	4/29/97	22
S1-18	2-4	4/29/97	16
S1-D1	0-2	5/02/97	18
S1-D1	2-4	5/02/97	<11
S1-D2	0-2	4/29/97	12
S1-D2	2-4	4/29/97	13
S1-D3	0-2	4/29/97	17
S1-D3	2-4	4/29/97	14
S1-D4	0-2	4/29/97	24
S1-D4	2-4	4/29/97	370
S1-D5	0-2	4/30/97	<11
S1-D5	2-4	4/30/97	<11
S1-D6	0-2	4/30/97	13
S1-D6	2-4	4/30/97	<11
FB31297[1]		3/12/97	<0.4

Analyses performed by EcoTest Laboratories, Inc. of North Babylon, New York.
mg/kg Micrograms per kilogram.
TPH Total petroleum hydrocarbons.
fbls Feet below land surface.
(1) Field blank is a liquid sample, units are in milligrams per liter.

Table 4-2. Results of Petroleum Product Identification Analyses of Soil Samples Collected During the Phase II Investigation of the S1 Parcel, Northrop Grumman Corporation, Bethpage, New York.

Parameter (units in ug/kg)	Sample ID: / Sample Depth: / Date Sampled:	S1-2 0-4 Ft 3/12/97	S1-4 0-4 Ft 3/12/97	S1-5 0-4 Ft 3/12/97	S1-6 0-4 Ft 3/12/97	S1-12 0-4 Ft 3/12/97	S1-13 0-4 Ft 3/14/97	S1-13 4-15 Ft 3/14/97	S1-15 0-4 Ft 3/12/97	S1-17 0-2 Ft 4/29/97	S1-17 2-4 Ft 4/29/97
Diesel		< 200	< 200	< 200	< 200	< 200	**830** (a)	<220	< 200	<210	<210
# 2 Fuel Oil		< 200	< 200	< 200	< 200	< 200	<240	<220	< 200	<210	<210
# 4 Fuel Oil		< 200	< 200	< 200	< 200	< 200	<240	<220	< 200	<210	<210
# 6 Fuel Oil		< 200	< 200	< 200	< 200	< 200	<240	<220	< 200	<210	<210
Lubricating Oil		< 200	< 200	< 200	< 200	< 200	**2700** (a)	<220	< 200	**38000** (b)	<210
Mineral Spirits		< 200	< 200	< 200	< 200	< 200	<240	<220	< 200	<210	<210
JP4		< 200	< 200	< 200	< 200	< 200	<240	<220	< 200	<210	<210
JP5		< 200	< 200	< 200	< 200	< 200	<240	<220	< 200	<210	<210
Jet A		< 200	< 200	< 200	< 200	< 200	<240	<220	< 200	<210	<210
Kerosene		< 200	< 200	< 200	< 200	< 200	<240	<220	< 200	<210	<210

Analyses performed by EcoTest Laboratories, Inc. of North Babylon, New York.

ug/kg Micrograms per kilogram.

TPH Total petroleum hydrocarbons.

Ft Feet.

(a) GC analysis indicates sample contains product for which closest match found is mixture of very weathered #2 Fuel Oil or very weathered Diesel Fuel Oil and Lubricating Oil.

(b) GC analysis indicates samples contains product for which closest match found is Lubricating Oil.

(c) Sample contains unknown product at 11000 ug/Kg (quantified as #6 Fuel Oil).

(d) GC analysis indicates sample contains a mixture of weathered JP-5 Military Fuel and very weathered #2 Fuel Oil.

(e) Sample contains unknown product at 73000 ug/Kg (quantified as #6 Fuel Oil).

Table 4-2. Results of Petroleum Product Identification Analyses of Soil Samples Collected During the Phase II Investigation of the S1 Parcel, Northrop Grumman Corporation, Bethpage, New York.

Parameter (units in ug/kg)	Sample ID: / Sample Depth: / Date Sampled:	S1-18 0-2 Ft 4/29/97	S1-18 2-4 Ft 4/29/97	S1-D1 0-2 Ft 5/2/97	S1-D2 0-2 Ft 4/29/97	S1-D2 2-4 Ft 4/29/97	S1-D3 0-2 Ft 4/29/97	S1-D3 2-4 Ft 4/29/97	S1-D4 0-2 Ft 4/29/97	S1-D4 2-4 Ft 4/29/97
Diesel		<240	<210	<210 (c)	<210	<210	<210	<230	<210	<230
# 2 Fuel Oil		<240	<210	<210 (c)	<210	<210	<210	<230	**22000** (d)	**310000** (d)
# 4 Fuel Oil		<240	<210	<210 (c)	<210	<210	<210	<230	<210	<230
# 6 Fuel Oil		<240	<210	<210 (c)	<210	<210	<210	<230	<210	<230
Lubrication Oil		<240	<210	<210 (c)	<210	<210	<210	<230	<210	<230
Mineral Spirits		<240	<210	<210 (c)	<210	<210	<210	<230	<210	<230
JP4		<240	<210	<210 (c)	<210	<210	<210	<230	<210	<230
JP5		<240	<210	<210 (c)	<210	<210	<210	**1300**	**1200** (d)	**1100000** (d)
Jet A		<240	<210	<210 (c)	<210	<210	<210	<230	<210	<230
Kerosene		<240	<210	<210 (c)	<210	<210	<210	<230	<210	<230

Analyses performed by EcoTest Laboratories, Inc. of North Babylon, New York.

ug/kg Micrograms per kilogram.

TPH Total petroleum hydrocarbons.

Ft Feet.

(a) GC analysis indicates sample contains product for which closest match found is mixture of very weathered #2 Fuel Oil or very weathered Diesel Fuel Oil and Lubricating Oil.

(b) GC analysis indicates samples contains product for which closest match found is Lubricating Oil.

(c) Sample contains unknown product at 11000 ug/Kg (quantified as #6 Fuel Oil).

(d) GC analysis indicates sample contains a mixture of weathered JP-5 Military Fuel and very weathered #2 Fuel Oil.

(e) Sample contains unknown product at 73000 ug/Kg (quantified as #6 Fuel Oil).

Table 4-2. Results of Petroleum Product Identification Analyses of Soil Samples Collected During the Phase II Investigation of the S1 Parcel, Northrop Grumman Corporation, Bethpage, New York.

Parameter (units in ug/kg)	Sample ID: S1-D6 Sample Depth: 0-2 Ft Date Sampled: 4/30/97
Diesel	<240 (e)
# 2 Fuel Oil	<240 (e)
# 4 Fuel Oil	<240 (e)
# 6 Fuel Oil	<240 (e)
Lubrication Oil	<240 (e)
Mineral Spirits	<240 (e)
JP4	<240 (e)
JP5	<240 (e)
Jet A	<240 (e)
Kerosene	<240 (e)

Analyses performed by EcoTest Laboratories, Inc. of North Babylon, New York.

ug/kg Micrograms per kilogram.
TPH Total petroleum hydrocarbons.
Ft Feet.
(a) GC analysis indicates sample contains product for which closest match found is mixture of very weathered #2 Fuel Oil or very weathered Diesel Fuel Oil and Lubricating Oil.
(b) GC analysis indicates samples contains product for which closest match found is Lubricating Oil.
(c) Sample contains unknown product at 11000 ug/Kg (quantified as #6 Fuel Oil).
(d) GC analysis indicates sample contains a mixture of weathered JP-5 Military Fuel and very weathered #2 Fuel Oil.
(e) Sample contains unknown product at 73000 ug/Kg (quantified as #6 Fuel Oil).

Table 4-3. Results of VOC Analyses of Soil Samples Collected During the Phase II Investigation of the S1 Parcel, Northrop Grumman Corporation, Bethpage, New York.

Parameter (units in ug/kg)	NYSDEC TAGM 4046 Appendix A Criteria (1) (units in ug/kg)	TCLP Regulatory Limits (2) (units in ug/L)	Sample ID: S1-1	S1-2	S1-3	S1-4	S1-5	S1-6	S1-12
			Sample Depth: 0-4 Ft	0-4 Ft	0-4 Ft	0-4 Ft	0-4 Ft	0-4 Ft	0-4 Ft
			Date Sampled: 3/12/97	3/12/97	3/12/97	3/12/97	3/12/97	3/12/97	3/12/97
Chloromethane	--	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	200	200	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	--	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	1900	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	--	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	400	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	100	--	< 1	1	2	< 1	2	< 1	< 1
trans-1,2-Dichloroethene	300	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	200	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroform	300	6000	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	800	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon tetrachloride	600	500	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzene	60	500	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	100	500	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	700	500	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	--	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	--	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Chloroethyvinylether	--	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,3-Dichloropropene	--	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	1500	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
cis-1,3-Dichloropropene	--	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	--	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	1400	700	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorodibromomethane	--	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	1700	100000	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ethylbenzene	5500	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m+p Xylene	1200*	--	< 2	< 2	< 2	< 2	< 2	< 2	< 2
o-Xylene	1200*	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	--	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	600	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	7900	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	1600	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	8500	7500	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isopropylbenzene	--	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Propylbenzene	--	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyltoluene	--	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	--	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	--	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Butylbenzene	--	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
sec-Butylbenzene	--	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	1300	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Metyl tert-butyl ether	--	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Analyses performed by EcoTest Laboratories, Inc. of North Babylon, New York.

ug/kg	Micrograms per kilogram.
ug/L	Micrograms per liter.
VOC	Volatile organic compound.
Ft	Feet.
TCLP	Toxicity Characteristic Leaching Procedure.
TAGM	Technical and Administrative Guidance Memorandum.
NYSDEC	New York State Department of Environmental Conservation.
*	Total xylenes.
--	Not applicable or not available.
1	HWR-94-4046 January 24,1994 (Revised), and proposed revisions (undated).
2	40 CFR Part 261 Subpart C 261.24
3	Field blank is a liquid sample, units are in micrograms per kilogram.

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Table 4-3. Results of VOC Analyses of Soil Samples Collected During the Phase II Investigation of the S1 Parcel, Northrop Grumman Corporation, Bethpage, New York.

Parameter (units in ug/kg)	NYSDEC TAGM 4046 Appendix A Criteria (1) (units in ug/kg)	TCLP Regulatory Limits (2) (units in ug/L)	Sample ID: S1-13	S1-15	S1-D1	S1-D1	S1-D2	S1-D2	S1-D3
			Sample Depth: 0-4 Ft	0-4 Ft	0-2 Ft	2-4 Ft	0-2 Ft	2-4 Ft	0-2 Ft
			Date Sampled: 3/14/97	3/12/97	5/2/97	5/2/97	4/30/97	4/30/97	4/30/97
Chloromethane	--	--	< 1	< 1	<2	<1	<1	<1	<1
Vinyl chloride	200	200	< 1	< 1	<2	<1	<1	<1	<1
Bromomethane	--	--	< 1	< 1	<2	<1	<1	<1	<1
Chloroethane	1900	--	< 1	< 1	<2	<1	<1	<1	<1
Trichlorofluoromethane	--	--	< 1	< 1	<2	<1	<1	<1	<1
1,1-Dichloroethene	400	700	< 1	< 1	<2	<1	<1	<1	<1
Methylene chloride	100	--	< 1	1	<2	<1	<1	<1	<1
trans-1,2-Dichloroethene	300	--	< 1	< 1	<2	<1	<1	<1	<1
1,1-Dichloroethane	200	--	< 1	< 1	<2	<1	<1	<1	<1
Chloroform	300	6000	< 1	< 1	<2	<1	<1	<1	<1
1,1,1-Trichloroethane	800	--	< 1	< 1	<2	<1	<1	<1	<1
Carbon tetrachloride	600	500	< 1	< 1	<2	<1	<1	<1	<1
Benzene	60	500	< 1	< 1	<2	<1	<1	<1	<1
1,2-Dichloroethane	100	500	< 1	< 1	<2	<1	<1	<1	<1
Trichloroethene	700	500	< 1	< 1	<2	<1	<1	<1	<1
1,2-Dichloropropane	--	--	< 1	< 1	<2	<1	<1	<1	<1
Bromodichloromethane	--	--	< 1	< 1	<2	<1	<1	<1	<1
2-Chloroethyvinylether	--	--	< 1	< 1	<2	<1	<1	<1	<1
trans-1,3-Dichloropropene	--	--	< 1	< 1	<2	<1	<1	<1	<1
Toluene	1500	--	< 1	< 1	<2	<1	<1	<1	<1
cis-1,3-Dichloropropene	--	--	< 1	< 1	<2	<1	<1	<1	<1
1,1,2-Trichloroethane	--	--	< 1	< 1	<2	<1	<1	<1	<1
Tetrachloroethene	1400	700	< 1	< 1	<2	<1	<1	<1	<1
Chlorodibromomethane	--	--	< 1	< 1	<2	<1	<1	<1	<1
Chlorobenzene	1700	100000	< 1	< 1	<2	<1	<1	<1	<1
Ethylbenzene	5500	--	< 1	< 1	<2	<1	<1	<1	<1
m+p Xylene	1200*	--	< 2	< 2	<4	<2	<2	<2	<2
o-Xylene	1200*	--	< 1	< 1	<2	<1	<1	<1	<1
Bromoform	--	--	< 1	< 1	<2	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	600	--	< 1	< 1	<2	<1	<1	<1	<1
1,2-Dichlorobenzene	7900	--	< 1	< 1	<2	<1	<1	<1	<1
1,3-Dichlorobenzene	1600	--	< 1	< 1	<2	<1	<1	<1	<1
1,4-Dichlorobenzene	8500	7500	< 1	< 1	<2	<1	<1	<1	<1
Isopropylbenzene	--	--	< 1	< 1	<2	<1	<1	<1	<1
n-Propylbenzene	--	--	< 1	< 1	<2	<1	<1	<1	<1
p-Isopropyltoluene	--	--	< 1	< 1	<2	<1	<1	<1	<1
1,2,4-Trimethylbenzene	--	--	< 1	< 1	<2	<1	<1	<1	<1
1,3,5-Trimethylbenzene	--	--	< 1	< 1	<2	<1	<1	<1	<1
n-Butylbenzene	--	--	< 1	< 1	<2	<1	<1	<1	<1
sec-Butylbenzene	--	--	< 1	< 1	<2	<1	<1	<1	<1
Naphthalene	1300	--	< 1	< 1	<2	<1	<1	<1	<1
Metyl tert-butyl ether	--	--	< 1	< 1	<2	<1	<1	<1	<1

Analyses performed by EcoTest Laboratories, Inc. of North Babylon, New York.

ug/kg	Micrograms per kilogram.
ug/L	Micrograms per liter.
VOC	Volatile organic compound.
Ft	Feet.
TCLP	Toxicity Characteristic Leaching Procedure.
TAGM	Technical and Administrative Guidance Memorandum.
NYSDEC	New York State Department of Environmental Conservation.
*	Total xylenes.
--	Not applicable or not available.
1	HWR-94-4046 January 24,1994 (Revised), and proposed revisions (undated).
2	40 CFR Part 261 Subpart C 261.24
3	Field blank is a liquid sample, units are in micrograms per kilogram.

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Table 4-3. Results of VOC Analyses of Soil Samples Collected During the Phase II Investigation of the S1 Parcel, Northrop Grumman Corporation, Bethpage, New York.

Parameter (units in ug/kg)	NYSDEC TAGM 4046 Appendix A Criteria (1) (units in ug/kg)	TCLP Regulatory Limits (2) (units in ug/L)	Sample ID: S1-D3 Sample Depth: 2-4 Ft Date Sampled: 4/30/97	S1-D4 0-2 Ft 4/30/97	S1-D4 2-4 Ft 4/30/97	S1-D5 0-2 Ft 5/1/97	S1-D5 2-4 Ft 5/1/97	S1-D6 0-2 Ft 5/1/97	S1-D6 2-4 Ft 5/1/97
Chloromethane	--	--	<1	<1	<1	<1	<1	<1	<1
Vinyl chloride	200	200	<1	<1	<1	<1	<1	<1	<1
Bromomethane	--	--	<1	<1	<1	<1	<1	<1	<1
Chloroethane	1900	--	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	--	--	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	400	700	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	100	--	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	300	--	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	200	--	<1	<1	<1	<1	<1	<1	<1
Chloroform	300	6000	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	800	--	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	600	500	<1	<1	<1	<1	<1	<1	<1
Benzene	60	500	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	100	500	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	700	500	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	--	--	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	--	--	<1	<1	<1	<1	<1	<1	<1
2-Chloroethyvinylether	--	--	<1	<1	<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	--	--	<1	<1	<1	<1	<1	<1	<1
Toluene	1500	--	<1	<1	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	--	--	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	--	--	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	1400	700	<1	<1	<1	<1	<1	<1	<1
Chlorodibromomethane	--	--	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	1700	100000	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	5500	--	<1	<1	<1	<1	<1	<1	<1
m+p Xylene	1200*	--	<2	<2	<2	<2	<2	<2	<2
o-Xylene	1200*	--	<1	<1	<1	<1	<1	<1	<1
Bromoform	--	--	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	600	--	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	7900	--	<1	<1	<1	<1	<1	<1	<1
1,3-Dichlorobenzene	1600	--	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	8500	7500	<1	<1	<1	<1	<1	<1	<1
Isopropylbenzene	--	--	<1	<1	<1	<1	<1	<1	<1
n-Propylbenzene	--	--	<1	<1	<1	<1	<1	<1	<1
p-Isopropyltoluene	--	--	<1	<1	**18**	<1	<1	<1	<1
1,2,4-Trimethylbenzene	--	--	<1	<1	**3**	<1	<1	<1	<1
1,3,5-Trimethylbenzene	--	--	<1	<1	**14**	<1	<1	<1	<1
n-Butylbenzene	--	--	<1	<1	<1	<1	<1	<1	<1
sec-Butylbenzene	--	--	<1	<1	**14**	<1	<1	<1	<1
Naphthalene	1300	--	<1	<1	<1	<1	<1	<1	<1
Metyl tert-butyl ether	--	--	<1	<1	<1	<1	<1	<1	<1

Analyses performed by EcoTest Laboratories, Inc. of North Babylon, New York.

ug/kg	Micrograms per kilogram.
ug/L	Micrograms per liter.
VOC	Volatile organic compound.
Ft	Feet.
TCLP	Toxicity Characteristic Leaching Procedure.
TAGM	Technical and Administrative Guidance Memorandum.
NYSDEC	New York State Department of Environmental Conservation.
*	Total xylenes.
--	Not applicable or not available.
1	HWR-94-4046 January 24,1994 (Revised), and proposed revisions (undated).
2	40 CFR Part 261 Subpart C 261.24
3	Field blank is a liquid sample, units are in micrograms per kilogram.

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Table 4-3. Results of VOC Analyses of Soil Samples Collected During the Phase II Investigation of the S1 Parcel, Northrop Grumman Corporation, Bethpage, New York.

Parameter (units in ug/kg)	NYSDEC TAGM 4046 Appendix A Criteria (1) (units in ug/kg)	TCLP Regulatory Limits (2) (units in ug/L)	Sample ID: FB31297[3] Sample Depth: Date Sampled: 3/12/97
Chloromethane	--	--	<1
Vinyl chloride	200	200	<1
Bromomethane	--	--	<1
Chloroethane	1900	--	<1
Trichlorofluoromethane	--	--	<1
1,1-Dichloroethene	400	700	<1
Methylene chloride	100	--	<1
trans-1,2-Dichloroethene	300	--	<1
1,1-Dichloroethane	200	--	<1
Chloroform	300	6000	3
1,1,1-Trichloroethane	800	--	<1
Carbon tetrachloride	600	500	<1
Benzene	60	500	<1
1,2-Dichloroethane	100	500	<1
Trichloroethene	700	500	<1
1,2-Dichloropropane	--	--	<1
Bromodichloromethane	--	--	<1
2-Chloroethyvinylether	--	--	<1
trans-1,3-Dichloropropene	--	--	<1
Toluene	1500	--	<1
cis-1,3-Dichloropropene	--	--	<1
1,1,2-Trichloroethane	--	--	<1
Tetrachloroethene	1400	700	<1
Chlorodibromomethane	--	--	<1
Chlorobenzene	1700	100000	<1
Ethylbenzene	5500	--	<1
m+p Xylene	1200*	--	<2
o-Xylene	1200*	--	<1
Bromoform	--	--	<1
1,1,2,2-Tetrachloroethane	600	--	<1
1,2-Dichlorobenzene	7900	--	<1
1,3-Dichlorobenzene	1600	--	<1
1,4-Dichlorobenzene	8500	7500	<1
Isopropylbenzene	--	--	<1
n-Propylbenzene	--	--	<1
p-Isopropyltoluene	--	--	<1
1,2,4-Trimethylbenzene	--	--	<1
1,3,5-Trimethylbenzene	--	--	<1
n-Butylbenzene	--	--	<1
sec-Butylbenzene	--	--	<1
Naphthalene	1300	--	<1
Metyl tert-butyl ether	--	--	<1

Analyses performed by EcoTest Laboratories, Inc. of North Babylon, New York.

ug/kg	Micrograms per kilogram.
ug/L	Micrograms per liter.
VOC	Volatile organic compound.
Ft	Feet.
TCLP	Toxicity Characteristic Leaching Procedure.
TAGM	Technical and Administrative Guidance Memorandum.
NYSDEC	New York State Department of Environmental Conservation.
*	Total xylenes.
--	Not applicable or not available.
1	HWR-94-4046 January 24,1994 (Revised), and proposed revisions (undated).
2	40 CFR Part 261 Subpart C 261.24
3	Field blank is a liquid sample, units are in micrograms per kilogram.

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Table 4-4. Results of Eight RCRA Metals Analyses of Soil Samples Collected During the Phase II Investigation of the S1 Parcel, Northrop Grumman Corporation, Bethpage, New York.

Parameter (units in mg/kg)	Sample ID:	S1-1	S1-2	S1-3	S1-4	S1-5	S1-6	S1-12	S1-12	S1-12	S1-12	S1-13	S1-15
	Sample Depth:	0-4 Ft	0-4 Ft	0-4 Ft	0-4 Ft	0-4 Ft	0-4 Ft	0-4 Ft	0-1 Ft	1-2 Ft	2-4 Ft	0-4 Ft	0-4 Ft
	Date Sampled:	3/12/97	3/12/97	3/12/97	3/12/97	3/12/97	3/12/97	3/12/97	4/29/97	4/29/97	4/29/97	3/14/97(a)	3/12/97
	TCLP Regulatory Limits (2) (units in mg/L)	Eastern USA Background (1) (units in mg/kg)											
Arsenic	5.0	3-12*	**3.1**	**2.9**	**3.1**	**2.3**	**3.3**	**7.2**	**9.6**	--	--	--	**6.0**	**6.3**
Barium	100	15-600	**14**	**12**	**14**	**8.4**	**28**	**9.1**	**20**	--	--	--	**23**	**22**
Cadmium	1.0	0.1-1, (10[3])	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	**0.14**	--	--	--	**0.23**	< 0.10
Chromium	5.0	1.5-40**, (50[3])	**7.5**	**6.2**	**7.5**	**4.5**	**9.4**	**4.5**	**8.6**	--	--	--	**10**	**10**
Lead	5.0	200-500**	**6.9**	**6**	**4.5**	**3.5**	**3.3**	**5.7**	**31**	--	--	--	**33**	**3.5**
Mercury	0.2	0.001-0.2	**0.038**	**0.052**	**0.034**	**0.030**	**0.026**	**0.014**	**0.25**	**0.17**	**0.04**	**0.02**	**0.13**	**0.140**
Selenium	1.0	0.1-3.9	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	--	--	--	**0.50**	< 0.40
Silver	5.0	N/A	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	--	--	--	<0.12	< 0.10

Analyses performed by EcoTest Laboratories, Inc. of North Babylon, New York.

mg/kg	Milligrams per kilogram.
mg/L	Milligrams per liter.
Ft	Feet.
*	New York State background.
**	Average background level in metropolitan or suburban areas near highways.
N/A	Not available.
TCLP	Toxicity Characteristic Leaching Procedure.
TAGM	Technical and Administrative Guidance Memorandum. No. 4046
NYSDEC	New York State Department of Environmental Conservation.
(1)	HWR-94-4046 January 24,1994 (Revised), and proposed revisions (undated).
(2)	40 CFR Part 261 Subpart C 261.24
(3)	Proposed TAGM Soil Cleanup Objectives.
(4)	Field Blank is a liquid sample, units are in milligrams per liter.
(a)	Sample collected during Grumman Road Investigation.
--	Not Analyzed.

Table 4-4. Results of Eight RCRA Metals Analyses of Soil Samples Collected During the Phase II Investigation of the S1 Parcel, Northrop Grumman Corporation, Bethpage, New York.

Parameter (units in mg/kg)	TCLP Regulatory Limits (2) (units in mg/L)	Eastern USA Background (1) (units in mg/kg)	Sample ID: S1-18 / Sample Depth: 0-2 Ft / Date Sampled: 4/29/97	S1-18 2-4 Ft 4/29/97	S1-D1 0-2 Ft 5/2/97	S1-D1 2-4 Ft 5/2/97	S1-D2 0-2 Ft 4/29/97	S1-D2 2-4 Ft 4/29/97	S1-D3 0-2 Ft 4/29/97	S1-D3 2-4 Ft 4/29/97	S1-D4 0-2 Ft 4/29/97	S1-D4 2-4 Ft 4/29/97	S1-D5 0-2 Ft 4/30/97	S1-D5 2-4 Ft 4/30/97
Arsenic	5.0	3-12*	**4.4**	**0.94**	**2.6**	**2.9**	**2.0**	**4.9**	**1.9**	**12**	**4.9**	**5.2**	**2.8**	**0.91**
Barium	100	15-600	**25**	**3.8**	**7.2**	**2.6**	**3.8**	**1.9**	**4.2**	**9.2**	**1.1**	**5.1**	**15**	**2.9**
Cadmium	1.0	0.1-1, (10[3])	<0.12	<0.11	**0.16**	<0.11	<0.1	<0.1	<0.11	<0.11	<0.1	<0.11	**0.12**	<0.11
Chromium	5.0	1.5-40**, (50[3])	**12**	**4.8**	**8.4**	**4**	**4.2**	**10**	**2.8**	**14**	**0.72**	**9.5**	**4.2**	**2.2**
Lead	5.0	200-500**	**7.7**	<1.1	**21**	**2.8**	**7.3**	**2**	**10**	**2.7**	**7.9**	**2.9**	**11**	**1.5**
Mercury	0.2	0.001-0.2	**0.040**	**0.005**	**0.034**	**0.011**	**0.0053**	**0.0063**	**0.011**	**0.0064**	**0.0071**	**0.015**	**0.039**	**0.007**
Selenium	1.0	0.1-3.9	<0.49	<0.42	<0.43	<0.43	<0.41	<0.42	<0.42	<0.45	<0.42	<0.46	<0.43	<0.43
Silver	5.0	N/A	<0.12	<0.11	<0.11	<0.11	<0.1	<0.1	<0.11	<0.11	<0.1	<0.11	<0.11	<0.11

Analyses performed by EcoTest Laboratories, Inc. of North Babylon, New York.

mg/kg	Milligrams per kilogram.
mg/L	Milligrams per liter.
Ft	Feet.
*	New York State background.
**	Average background level in metropolitan or suburban areas near highways.
N/A	Not available.
TCLP	Toxicity Characteristic Leaching Procedure.
TAGM	Technical and Administrative Guidance Memorandum. No. 4046
NYSDEC	New York State Department of Environmental Conservation.
(1)	HWR-94-4046 January 24,1994 (Revised), and proposed revisions (undated).
(2)	40 CFR Part 261 Subpart C 261.24
(3)	Proposed TAGM Soil Cleanup Objectives.
(4)	Field Blank is a liquid sample, units are in milligrams per liter.
(a)	Sample collected during Grumman Road Investigation.

Table 4-4. Results of Eight RCRA Metals Analyses of Soil Samples Collected During the Phase II Investigation of the S1 Parcel, Northrop Grumman Corporation, Bethpage, New York.

Parameter (units in mg/kg)	Sample ID: / Sample Depth: / Date Sampled:	TCLP Regulatory Limits (2) (units in mg/L)	Eastern USA Background (1) (units in mg/kg)	S1-D6 0-2 Ft 4/30/97	S1-D6 2-4 Ft 4/30/97	FB31297[4] 3/12/97
Arsenic		5.0	3-12*	**76**	**2.2**	<0.002
Barium		100	15-600	**14**	**8.2**	<0.05
Cadmium		1.0	0.1-1, (10[3])	**0.15**	<0.11	<0.01
Chromium		5.0	1.5-40**, (50[3])	**7.5**	**4.7**	<0.02
Lead		5.0	200-500**	**28**	**4.8**	<0.10
Mercury		0.2	0.001-0.2	**0.033**	**0.016**	<0.00025
Selenium		1.0	0.1-3.9	<0.49	<0.45	<0.002
Silver		5.0	N/A	<0.12	<0.11	<0.01

Analyses performed by EcoTest Laboratories, Inc. of North Babylon, New York.

mg/kg	Milligrams per kilogram.
mg/L	Milligrams per liter.
Ft	Feet.
*	New York State background.
**	Average background level in metropolitan or suburban areas near highways.
N/A	Not available.
TCLP	Toxicity Characteristic Leaching Procedure.
TAGM	Technical and Administrative Guidance Memorandum. No. 4046
NYSDEC	New York State Department of Environmental Conservation.
(1)	HWR-94-4046 January 24,1994 (Revised), and proposed revisions (undated).
(2)	40 CFR Part 261 Subpart C 261.24
(3)	Proposed TAGM Soil Cleanup Objectives.
(4)	Field Blank is a liquid sample, units are in milligrams per liter.
(a)	Sample collected during Grumman Road Investigation.

Table 4-5. Results of Herbicides and PCBs Analyses of Soil Samples Collected During the Phase II Investigation of the S1 Parcel, Northrop Grumman Corporation, Bethpage, New York.

Parameter (units in ug/kg)	Sample ID: / Sample Depth: / Date Sampled:	S1-12 0-4 Ft 3/12/97	S1-13 0-4 Ft 3/14/97[a]	S1-15 0-4 Ft 3/12/97	S1-17 0-2 Ft 4/29/97	FB31297[1] 3/12/97
	TAGM Soil Cleanup Objectives[b] (units in ug/kg)					
Herbicides						
2,4-D	500	< 10	<12	< 10	NA	<0.1
Dalapon	--	< 100	<120	< 100	NA	2.4
Dicamba	--	< 80	<95	< 80	NA	<0.8
Dinoseb	--	< 20	<24	< 20	NA	<0.2
Pentachlorophenol	1000	< 4	<5	< 4	NA	<0.04
Pichloram	--	< 10	<12	< 10	NA	<0.1
2,4,5-TP	1900	< 5	<6	< 5	NA	<0.05
PCBs						
Aroclor 1016	1000*	NA	<48	< 40	<830[d]	<1
Aroclor 1221	1000*	NA	<48	< 40	<830[d]	<1
Aroclor 1232	1000*	NA	<48	< 40	<830[d]	<1
Aroclor 1242	1000*	NA	<48	< 40	<830[d]	<1
Aroclor 1248	1000*	NA	<48	< 40	<830[d]	<1
Aroclor 1254	1000*	NA	<48	< 40	<830[d]	<1
Aroclor 1260	1000*	NA	<48	< 40	<830[d]	<1

Analyses performed by EcoTest Laboratories, Inc. of North Babylon, New York.

ug/kg	Micrograms per kilogram.
ug/L	Micrograms per liter.
Ft	Feet.
*	Total PCBs.
TCLP	Toxicity Characteristic Leaching Procedure.
TAGM	NYSDEC Technical and Administrative Guidance Memorandum.
PCBs	Polychlorinated Biphenyl.
NA	Bot analyzed.
--	Not applicable or not available.
(a)	Sample collected during Grumman Road Investigation.
(b)	HWR-94-4046 January 24, 1994 (Revised), and proposed revision (undated).
(c)	40 CFR Part 261 Subpart C 261.24.
(d)	Chlordane interference prevented analysis to a lower detection limit.
(1)	Field Blank is a liquid sample, units are in micrograms per liter.

Table 4-6. Results of Nitroaromatic and Nitramine Residue and Total Phosphorous Analyses of Soil Samples Collected During the Phase II Investigation of the S1 Parcel, Northrop Grumman Corporation, Bethpage, New York.

Parameter (units in mg/kg)	Sample ID: / Sample Depth: / Date Sampled:	S1-5 0-4 Ft 3/12/97	S1-6 0-4 Ft. 3/12/97
	Eastern United States Background Observed Range (1) (units in mg/kg)		
Nitroaromatic and Nitramine Residue			
HMX	--	<0.5	<0.5
RDX	--	<0.5	<0.5
1,3,5-Trinitrobenzene	--	<0.5	<0.5
1,3-Dinitrobenzne	--	<0.5	<0.5
Trtryl	--	<0.5	<0.5
2,4,6-Trinitrotoluene	--	<0.5	<0.5
Nitrobenzene	--	<0.5	<0.5
4-Amino-2,6-Dinitrotoluene	--	<0.5	<0.5
2-Amino-4,6-Dinitrotoluene	--	<0.5	<0.5
2,6-Dinitrotoluene	--	<0.5	<0.5
2,4-Dinitrotoluene	--	<0.5	<0.5
2-Nitrotoluene	--	<0.5	<0.5
4-Nitrotoluene	--	<0.5	<0.5
3-Nitrotoluene	--	<0.5	<0.5
Total-Phosphorus	<20-6,800	179	310

Analyses performed by IEA, Inc., Monroe, Connecticut.

mg/kg	Milligrams per kilogram.
ug/g	microgram per gram.
Ft	Feet.
1	Elemental Concentrations in Soils and other Surficial Materials of the Conterminous United States, 1984
--	Not applicable.

Table 4-7. Results of STARS Semvolatile Organic Compound Analyses of Soil Samples Collected During the Phase II Investigation of the S1 Parcel, Northrop Grumman Corporation, Bethpage, New York.

Parameter (units in ug/kg)	STARS TCLP Alternative Guidance Value (units in ug/kg)	STARS Human Health Guidance Value (units in ug/kg)	Tier I RBSL for Construction Workers Surfical Soil Concentrations[1] (units in ug/kg)	Sample ID: S1-13 Sample Depth: 0-4 Date Sampled: 3/14/97	S1-13 0-1 4/30/97	S1-13 1-2 4/30/97	S1-13 2-4 4/30/97
Semivolatile Organic Compounds							
Naphthalene	200	$3.0x10^5$	$1.38x10^6$	<36	<34	<33	<34
Acenaphthene	400	$5.0x10^6$	$6.69x10^7$	<36	100	<33	<34
Fluorene	1000	$3.0x10^6$	$5.52x10^7$	<36	190	43	<34
Phenathrene	1000	--	$4.14x10^7$	210	7000	1700	260
Anthracene	1000	$2.0x10^7$	$2.13x10^8$	37	1000	290	48
Fluoranthene	1000	$3.0x10^6$	--	540	18000	4600	260
Pyrene	1000	$2.0x10^6$	$9.82x10^7$	550	20000	4400	270
Benzo(a)anthracene	0.04	220	$1.85x10^5$	130	6700	1700	92
Chrysene	0.04	--	$1.85x10^7$	130	7700	1900	110
Benzo(b)fluoranthene/Benzo(k)fluoranthene**	0.04/0.04	220	$1.85x10^5/1.85x10^6$	130	13000	3900	170
Benzo(a)pyrene	0.04	61	$1.83x10^4$	100	7000	1900	80
Indeno (1,2,3-cd)pyrene	0.04	--	$1.85x10^5$	<36	1200	270 *	<34
Dibenzo(a,h)anthracene	1000	14	$1.85x10^4$	<36	3200	770	<34
Benzo(g,h,l)perylene	0.04	--	$1.08x10^8$	<36	3300	770	<34

Analyses performed by EcoTest Laboratories, Inc. of North Babylon, New York.

ug/kg	Micrograms per kilogram.
--	Not applicable or not available.
TCLP	Toxicity Characteristics Leachate Procedures.
STARS	NYSDEC Spill Technology and Remediation Series.
NYSDEC	New York State Department of Environmental Conservation.
RBSL	Risk based screen levels.
[1]	NYSDEC Interim Procedures for Inactivation of Petroleum-Impacted Sites.
*	Reported below quantification limit.
**	Isomers can not be separated.

Table 4-7. Results of STARS Semvolatile Organic Compound Analyses of Soil Samples Collected During the Phase II Investigation of the S1 Parcel, Northrop Grumman Corporation, Bethpage, New York.

Parameter (units in ug/kg)	STARS TCLP Alternative Guidance Value (units in ug/kg)	STARS Human Health Guidance Value (units in ug/kg)	Tier I RBSL for Construction Workers Surfical Soil Concentrations[1] (units in ug/kg)	Sample ID: S1-13W	Sample Depth: 0-1	Date Sampled: 4/30/97	Sample ID: S1-13W	Sample Depth: 1-2	Date Sampled: 4/30/97	Sample ID: S1-13W	Sample Depth: 2-4	Date Sampled: 4/30/97	Sample ID: S1-17	Sample Depth: 0-2	Date Sampled: 4/29/97
Semivolatile Organic Compounds															
Naphthalene	200	$3.0x10^5$	$1.38x10^6$	<35			<37			<33			<31		
Acenaphthene	400	$5.0x10^6$	$6.69x10^7$	52			<37			<33			<31		
Fluorene	1000	$3.0x10^6$	$5.52x10^7$	58			<37			<33			<31		
Phenathrene	1000	--	$4.14x10^7$	1900			680			<33			<31		
Anthracene	1000	$2.0x10^7$	$2.13x10^8$	360			120			<33			<31		
Fluoranthene	1000	$3.0x10^6$	--	5600			1700			<33			130		
Pyrene	1000	$2.0x10^6$	$9.82x10^7$	5100			2300			<33			150		
Benzo(a)anthracene	0.04	220	$1.85x10^5$	2200			700			<33			140		
Chrysene	0.04	--	$1.85x10^7$	2600			760			<33			500		
Benzo(b)fluoranthene/Benzo(k)fluoranthene**	0.04/0.04	220	$1.85x10^5/1.85x10^6$	3700			1400			<33			630		
Benzo(a)pyrene	0.04	61	$1.83x10^4$	2100			730			<33			77		
Indeno (1,2,3-cd)pyrene	0.04	--	$1.85x10^5$	320	*		<370			<33			40		
Dibenzo(a,h)anthracene	1000	14	$1.85x10^4$	960			250	*		<33			100		
Benzo(g,h,I)perylene	0.04	--	$1.08x10^8$	1000			250	*		<33			140		

Analyses performed by EcoTest Laboratories, Inc. of North Babylon, New York.

ug/kg	Micrograms per kilogram.
--	Not applicable or not available.
TCLP	Toxicity Characteristics Leachate Procedures.
STARS	NYSDEC Spill Technology and Remediation Series.
NYSDEC	New York State Department of Environmental Conservation.
RBSL	Risk based screen levels.
[1]	NYSDEC Interim Procedures for Inactivation of Petroleum-Impacted Sites.
*	Reported below quantification limit.
**	Isomers can not be separated.

Table 4-7. Results of STARS Semvolatile Organic Compound Analyses of Soil Samples Collected During the Phase II Investigation of the S1 Parcel, Northrop Grumman Corporation, Bethpage, New York.

Parameter (units in ug/kg)	STARS TCLP Alternative Guidance Value (units in ug/kg)	STARS Human Health Guidance Value (units in ug/kg)	Tier I RBSL for Construction Workers Surfical Soil Concentrations[1] (units in ug/kg)	Sample ID: S1-17 / Sample Depth: 2-4 / Date Sampled: 4/29/97	Sample ID: S1-18 / Sample Depth: 0-2 / Date Sampled: 4/29/97	Sample ID: S1-18 / Sample Depth: 2-4 / Date Sampled: 4/29/97	Sample ID: S1-D1 / Sample Depth: 0-2 / Date Sampled: 5/2/97
Semivolatile Organic Compounds							
Naphthalene	200	$3.0x10^5$	$1.38x10^6$	<31	<37	<32	<32
Acenaphthene	400	$5.0x10^6$	$6.69x10^7$	<31	<37	<32	<32
Fluorene	1000	$3.0x10^6$	$5.52x10^7$	<31	<37	<32	<32
Phenathrene	1000	--	$4.14x10^7$	<31	<37	<32	<32
Anthracene	1000	$2.0x10^7$	$2.13x10^8$	<31	<37	<32	<32
Fluoranthene	1000	$3.0x10^6$	--	<31	<37	<32	36
Pyrene	1000	$2.0x10^6$	$9.82x10^7$	<31	<37	<32	41
Benzo(a)anthracene	0.04	220	$1.85x10^5$	<31	<37	<32	<32
Chrysene	0.04	--	$1.85x10^7$	<31	<37	<32	<32
Benzo(b)fluoranthene/Benzo(k)fluoranthene**	0.04/0.04	220	$1.85x10^5/1.85x10^6$	<31	<37	<32	<32
Benzo(a)pyrene	0.04	61	$1.83x10^4$	<31	<37	<32	<32
Indeno (1,2,3-cd)pyrene	0.04	--	$1.85x10^5$	<31	<37	<32	<32
Dibenzo(a,h)anthracene	1000	14	$1.85x10^4$	<31	<37	<32	<32
Benzo(g,h,I)perylene	0.04	--	$1.08x10^8$	<31	<37	<32	<32

Analyses performed by EcoTest Laboratories, Inc. of North Babylon, New York.

ug/kg	Micrograms per kilogram.
--	Not applicable or not available.
TCLP	Toxicity Characteristics Leachate Procedures.
STARS	NYSDEC Spill Technology and Remediation Series.
NYSDEC	New York State Department of Environmental Conservation.
RBSL	Risk based screen levels.
(1)	NYSDEC Interim Procedures for Inactivation of Petroleum-Impacted Sites.
*	Reported below quantification limit.
**	Isomers can not be separated.

Table 4-7. Results of STARS Semvolatile Organic Compound Analyses of Soil Samples Collected During the Phase II Investigation of the S1 Parcel, Northrop Grumman Corporation, Bethpage, New York.

Parameter (units in ug/kg)	STARS TCLP Alternative Guidance Value (units in ug/kg)	STARS Human Health Guidance Value (units in ug/kg)	Tier I RBSL for Construction Workers Surfical Soil Concentrations[1] (units in ug/kg)	Sample ID: S1-D1 / Sample Depth: 2-4 / Date Sampled: 5/2/97	Sample ID: S1-D2 / Sample Depth: 0-2 / Date Sampled: 4/29/97	Sample ID: S1-D2 / Sample Depth: 2-4 / Date Sampled: 4/29/97	Sample ID: S1-D3 / Sample Depth: 0-2 / Date Sampled: 4/29/97
Semivolatile Organic Compounds							
Naphthalene	200	$3.0x10^5$	$1.38x10^6$	<32	<31	<31	<32
Acenaphthene	400	$5.0x10^6$	$6.69x10^7$	<32	<31	<31	<32
Fluorene	1000	$3.0x10^6$	$5.52x10^7$	<32	<31	<31	<32
Phenathrene	1000	--	$4.14x10^7$	<32	<31	<31	<32
Anthracene	1000	$2.0x10^7$	$2.13x10^8$	<32	<31	<31	<32
Fluoranthene	1000	$3.0x10^6$	--	<32	<31	<31	<32
Pyrene	1000	$2.0x10^6$	$9.82x10^7$	<32	<31	<31	<32
Benzo(a)anthracene	0.04	220	$1.85x10^5$	<32	<31	<31	<32
Chrysene	0.04	--	$1.85x10^7$	<32	<31	<31	<32
Benzo(b)fluoranthene/Benzo(k)fluoranthene**	0.04/0.04	220	$1.85x10^5/1.85x10^6$	<32	<31	<31	<32
Benzo(a)pyrene	0.04	61	$1.83x10^4$	<32	<31	<31	<32
Indeno (1,2,3-cd)pyrene	0.04	--	$1.85x10^5$	<32	<31	<31	<32
Dibenzo(a,h)anthracene	1000	14	$1.85x10^4$	<32	<31	<31	<32
Benzo(g,h,I)perylene	0.04	--	$1.08x10^8$	<32	<31	<31	<32

Analyses performed by EcoTest Laboratories, Inc. of North Babylon, New York.

ug/kg	Micrograms per kilogram.
--	Not applicable or not available.
TCLP	Toxicity Characteristics Leachate Procedures.
STARS	NYSDEC Spill Technology and Remediation Series.
NYSDEC	New York State Department of Environmental Conservation.
RBSL	Risk based screen levels.
[1]	NYSDEC Interim Procedures for Inactivation of Petroleum-Impacted Sites.
*	Reported below quantification limit.
**	Isomers can not be separated.

Table 4-7. Results of STARS Semvolatile Organic Compound Analyses of Soil Samples Collected During the Phase II Investigation of the S1 Parcel, Northrop Grumman Corporation, Bethpage, New York.

Parameter (units in ug/kg)	STARS TCLP Alternative Guidance Value (units in ug/kg)	STARS Human Health Guidance Value (units in ug/kg)	Tier I RBSL for Construction Workers Surfical Soil Concentrations[1] (units in ug/kg)	Sample ID: S1-D3 / Sample Depth: 2-4 / Date Sampled: 4/29/97	Sample ID: S1-D4 / Sample Depth: 0-2 / Date Sampled: 4/29/97	Sample ID: S1-D4 / Sample Depth: 2-4 / Date Sampled: 4/29/97	Sample ID: S1-D5 / Sample Depth: 0-2 / Date Sampled: 4/30/97
Semivolatile Organic Compounds							
Naphthalene	200	$3.0x10^5$	$1.38x10^6$	<34	<31	<34	<32
Acenaphthene	400	$5.0x10^6$	$6.69x10^7$	<34	<31	<34	<32
Fluorene	1000	$3.0x10^6$	$5.52x10^7$	<34	<31	<34	<32
Phenathrene	1000	--	$4.14x10^7$	<34	<31	<34	<32
Anthracene	1000	$2.0x10^7$	$2.13x10^8$	<34	<31	<34	<32
Fluoranthene	1000	$3.0x10^6$	--	<34	<31	<34	<32
Pyrene	1000	$2.0x10^6$	$9.82x10^7$	<34	<31	<34	<32
Benzo(a)anthracene	0.04	220	$1.85x10^5$	<34	<31	<34	<32
Chrysene	0.04	--	$1.85x10^7$	<34	<31	<34	<32
Benzo(b)fluoranthene/Benzo(k)fluoranthene**	0.04/0.04	220	$1.85x10^5/1.85x10^6$	<34	<31	<34	<32
Benzo(a)pyrene	0.04	61	$1.83x10^4$	<34	<31	<34	<32
Indeno (1,2,3-cd)pyrene	0.04	--	$1.85x10^5$	<34	<31	<34	<32
Dibenzo(a,h)anthracene	1000	14	$1.85x10^4$	<34	<31	<34	<32
Benzo(g,h,i)perylene	0.04	--	$1.08x10^8$	<34	<31	<34	<32

Analyses performed by EcoTest Laboratories, Inc. of North Babylon, New York.

ug/kg	Micrograms per kilogram.
--	Not applicable or not available.
TCLP	Toxicity Characteristics Leachate Procedures.
STARS	NYSDEC Spill Technology and Remediation Series.
NYSDEC	New York State Department of Environmental Conservation.
RBSL	Risk based screen levels.
(1)	NYSDEC Interim Procedures for Inactivation of Petroleum-Impacted Sites.
*	Reported below quantification limit.
**	Isomers can not be separated.

Table 4-7. Results of STARS Semvolatile Organic Compound Analyses of Soil Samples Collected During the Phase II Investigation of the S1 Parcel, Northrop Grumman Corporation, Bethpage, New York.

Parameter (units in ug/kg)	STARS TCLP Alternative Guidance Value (units in ug/kg)	STARS Human Health Guidance Value (units in ug/kg)	Tier I RBSL for Construction Workers Surfical Soil Concentrations[1] (units in ug/kg)	Sample ID: S1-D5 / Sample Depth: 2-4 / Date Sampled: 4/30/97	Sample ID: S1-D6 / Sample Depth: 0-2 / Date Sampled: 4/30/97	Sample ID: S1-D6 / Sample Depth: 2-4 / Date Sampled: 4/30/97
Semivolatile Organic Compounds						
Naphthalene	200	$3.0x10^5$	$1.38x10^6$	<32	<37	<34
Acenaphthene	400	$5.0x10^6$	$6.69x10^7$	<32	<37	<34
Fluorene	1000	$3.0x10^6$	$5.52x10^7$	<32	<37	<34
Phenathrene	1000	--	$4.14x10^7$	<32	340	<34
Anthracene	1000	$2.0x10^7$	$2.13x10^8$	<32	42	<34
Fluoranthene	1000	$3.0x10^6$	--	<32	790	<34
Pyrene	1000	$2.0x10^6$	$9.82x10^7$	<32	750	<34
Benzo(a)anthracene	0.04	220	$1.85x10^5$	<32	410	<34
Chrysene	0.04	--	$1.85x10^7$	<32	490	<34
Benzo(b)fluoranthene/Benzo(k)fluoranthene**	0.04/0.04	220	$1.85x10^5/1.85x10^6$	<32	760	<34
Benzo(a)pyrene	0.04	61	$1.83x10^4$	<32	360	<34
Indeno (1,2,3-cd)pyrene	0.04	--	$1.85x10^5$	<32	67	<34
Dibenzo(a,h)anthracene	1000	14	$1.85x10^4$	<32	170	<34
Benzo(g,h,l)perylene	0.04	--	$1.08x10^8$	<32	170	<34

Analyses performed by EcoTest Laboratories, Inc. of North Babylon, New York.

ug/kg	Micrograms per kilogram.
--	Not applicable or not available.
TCLP	Toxicity Characteristics Leachate Procedures.
STARS	NYSDEC Spill Technology and Remediation Series.
NYSDEC	New York State Department of Environmental Conservation.
RBSL	Risk based screen levels.
[1]	NYSDEC Interim Procedures for Inactivation of Petroleum-Impacted Sites.
*	Reported below quantification limit.
**	Isomers can not be separated.

Table 4-8. Results of TCLP STARS 8270 Analyses from Samples Collected During the Phase II Investigation of the S1 Parcel, Northrop Grumman Corporation, Bethpage, New York.

Parameter (units in ug/L)	Sample ID: / Sample Depth: / Date Sampled:	STARS TCLP Extraction Guidance Value (units in ug/L)	S1-13 0-4 3/14/97	S1-13 0-1 4/30/97	S1-13 1-2 4/30/97	S1-13 2-4 4/30/97	S1-13W 0-1 4/30/97	S1-13W 1-2 4/30/97	S1-13W 2-4 4/30/97	S1-17 0-2 4/29/97	S1-D6 0-2 4/30/97
Semivolatile Organic Compounds											
Naphthalene		10	<10	<10	<10	<10	<10	<32	<33	<32	<33
Acenaphthene		20	<10	<10	<10	<10	<10	<32	<33	<32	<33
Fluorene		50	<10	<10	<10	<10	<10	<32	<33	<32	<33
Phenathrene		50	<10	<10	<10	<10	<10	<32	<33	<32	<33
Anthracene		50	<10	<10	<10	<10	<10	<32	<33	<32	<33
Fluoranthene		50	<10	<10	<10	<10	<10	<32	<33	<32	<33
Pyrene		50	<10	<10	<10	<10	<10	<32	<33	<32	<33
Benzo(a)anthracene		0.002	<10	<10	<10	<10	<10	<32	<33	<32	<33
Chrysene		0.002	<10	<10	<10	<10	<10	<32	<33	<32	<33
Benzo(b)fluoranthene		0.002	<10	<10	<10	<10	<10	<32	<33	<32	<33
Benzo(k)fluorathene		0.002	<10	<10	<10	<10	<10	<32	<33	<32	<33
Benzo(a)pyrene		0.002	<10	<10	<10	<10	<10	<32	<33	<32	<33
Indeno (1,2,3-cd)pyrene		0.002	<10	<10	<10	<10	<10	<32	<33	<32	<33
Dibenzo(a,h)anthracene		50	<10	<10	<10	<10	<10	<32	<33	<32	<33
Benzo(g,h,I)perylene		0.002	<10	<10	<10	<10	<10	<32	<33	<32	<33

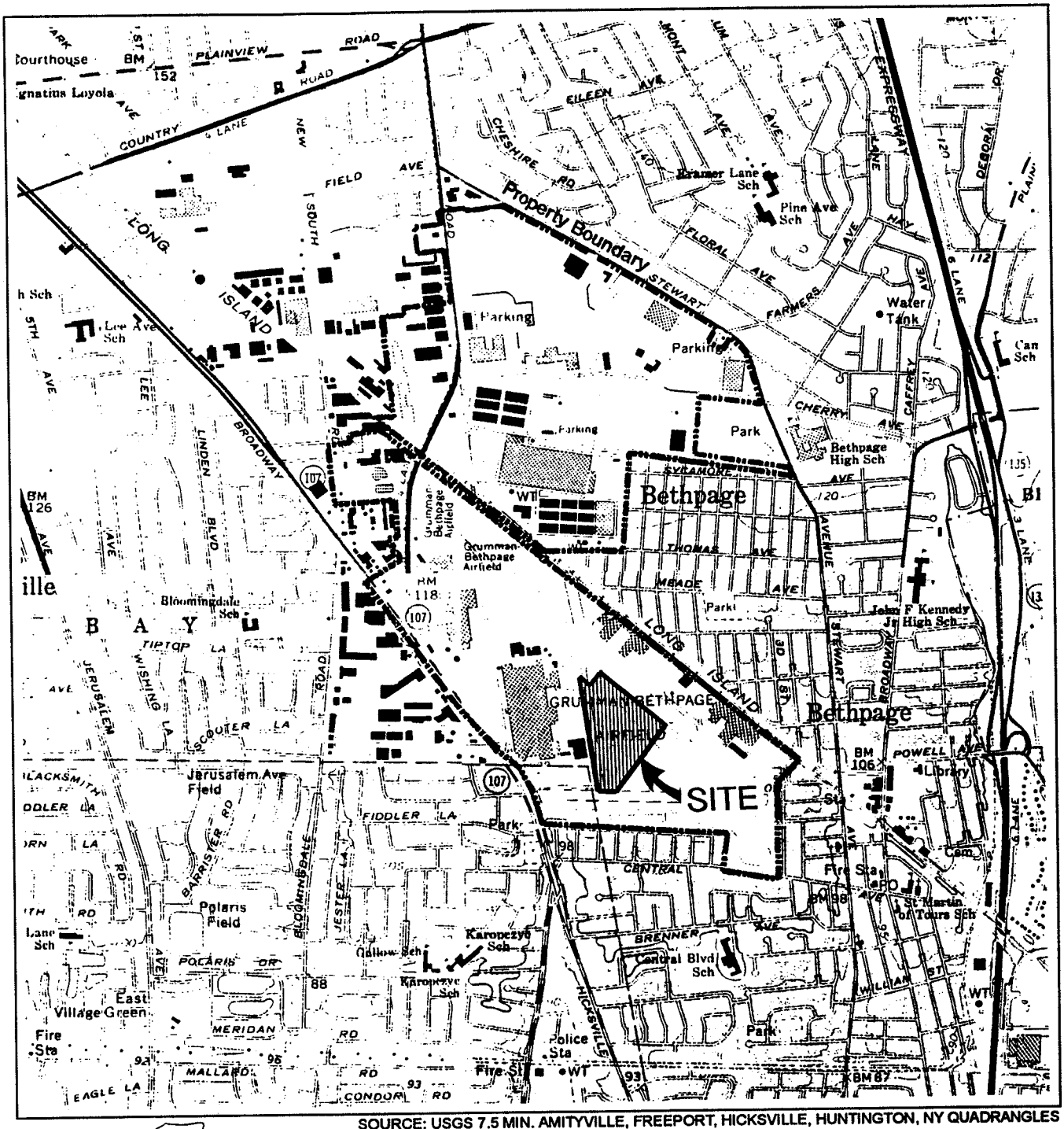
Analyses performed by EcoTest Laboratories, Inc. of North Babylon, New York.

ug/L	Micrograms per liter.
--	Not applicable or not available.
TCLP	Toxicity Characteristics Leachate Procedures.
STARS	NYSDEC Spill Technology and Remediation Series.
NYSDEC	New York State Department of Environmental Conservation.

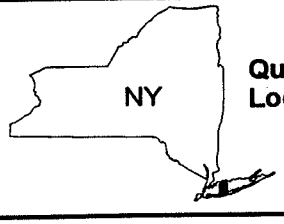
FIGURES

FIGURES

DRAFTER: W.H.CICIO | APPROVED: C.S.G. | CHECKED: G.N. | DRAWING: NON-CAD | FILE: 1824 | PRJCT NO.: NY0008 | DWG DATE: 18JUN97



SOURCE: USGS 7.5 MIN. AMITYVILLE, FREEPORT, HICKSVILLE, HUNTINGTON, NY QUADRANGLES



Quadrangle Location

2000 feet

N

GERAGHTY & MILLER, INC.
Environment and Infrastructure
a heidemij company

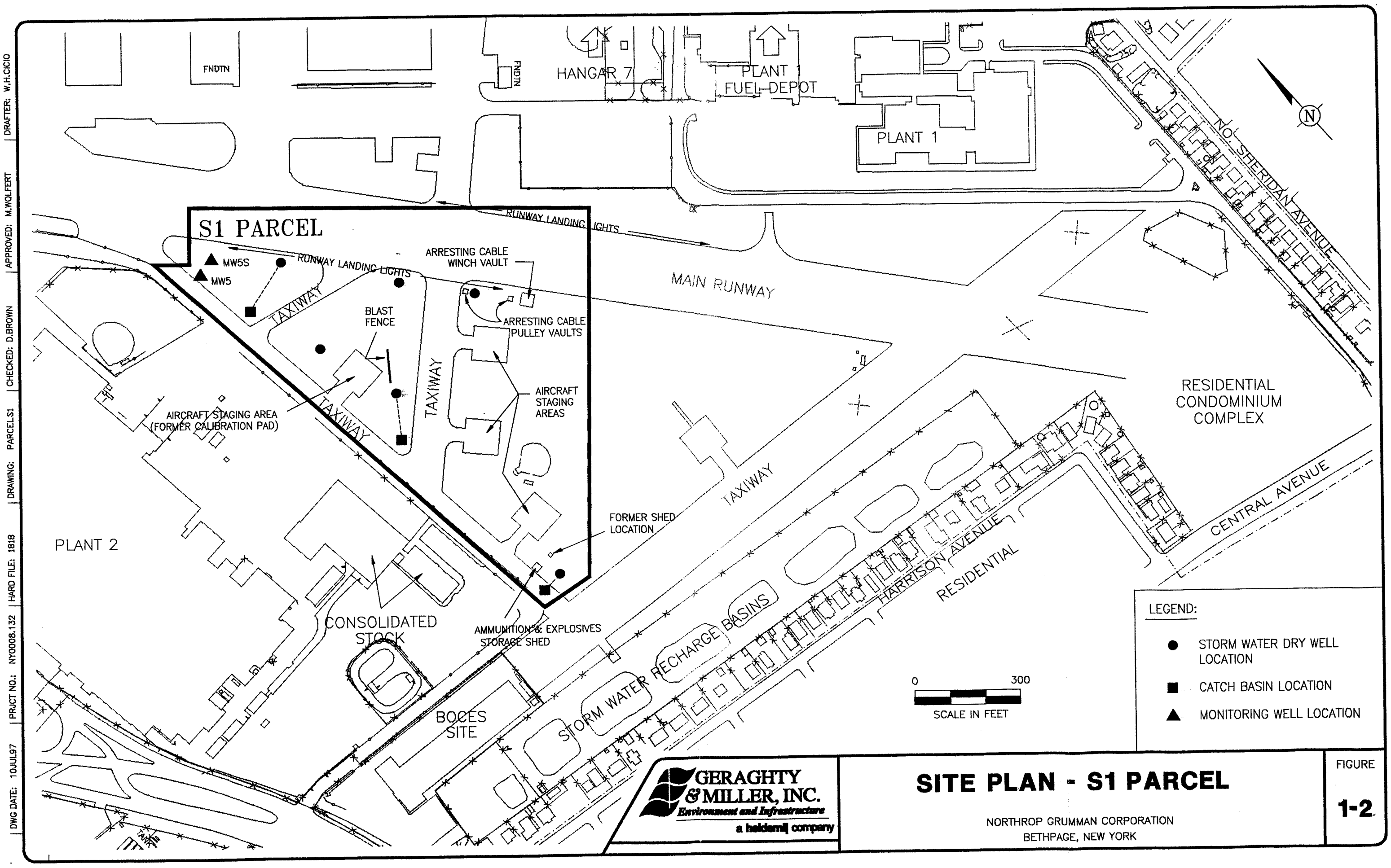
SITE LOCATION S1 PARCEL

NORTHROP GRUMMAN CORPORATION
BETHPAGE, NEW YORK

FIGURE
1-1

CONFIDENTIAL

DWG DATE: 10JUL97 | PRJCT NO.: NY0008.132 | HARD FILE: 1818 | DRAWING: PARCELS1 | CHECKED: D.BROWN | APPROVED: M.WOLFERT | DRAFTER: W.H.CICIO



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a halliburton company

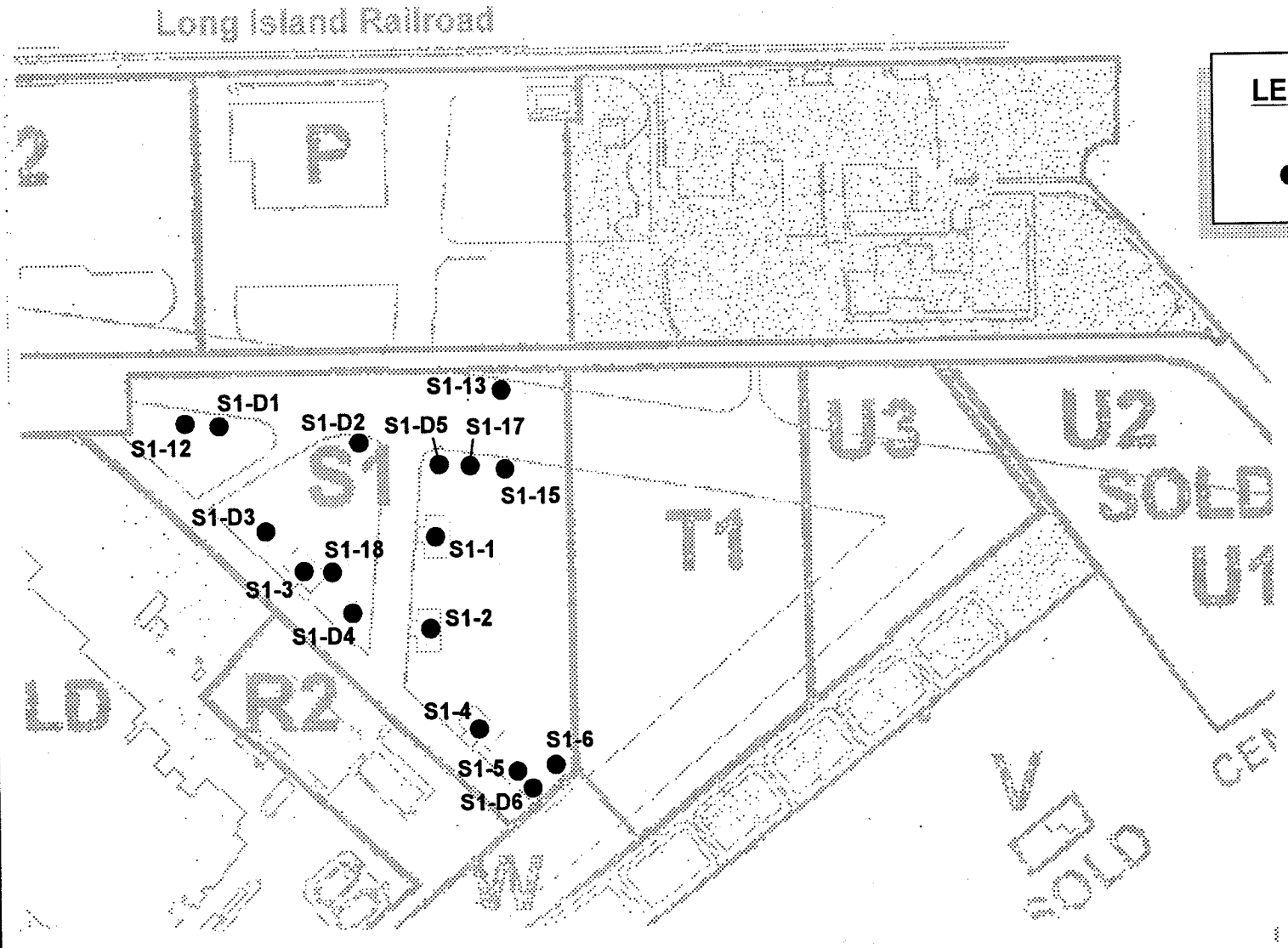
SITE PLAN - S1 PARCEL

NORTHROP GRUMMAN CORPORATION
BETHPAGE, NEW YORK

FIGURE
1-2

NGINS00047921

DWG DATE: 10JUN97	PRJCT NO.: NY0008.132T6	FILE: 1818	DRAWING: S1-BORS.CDR	CHECKED: R.P.	APPROVED: C.S.G.	DRAFTER: R.P.



GERAGHTY & MILLER, INC.
Environmental Services
A Heidemij Company

SOIL BORING LOCATIONS FOR PHASE II ENVIRONMENTAL SITE ASSESSMENT OF THE S1 PARCEL

NORTHROP GRUMMAN CORPORATION
BETHPAGE, NEW YORK

FIGURE
1-3

APPENDIX A

APPENDIX A

FIELD MEMOS

Memorandum

TO: Robert Porsche, Carlo San Giovanni

FROM: Donna M. Brown

DATE: July 7, 1997

SUBJECT: Soil Sampling for S, T, and U Properties at Northrop-Grumman Bethpage Facility (Project No. NY0008.132.006, 009, 012))

Soil sampling was carried out for the S, T, and U properties at the Northrop-Grumman Bethpage New York facility on March 12, 1997. Donna M. Brown and Gary Williams of Geraghty & Miller carried out the sampling assisted by Zebra Environmental Inc. using a Geoprobe sampling system.

At Soil Borings S1-1 through S1-4 and T1-10, a four-point composite soil sample was collected in the following manner: at each location, four samples were collected from 0 to 4 feet below grade (ft bg) at points surrounding (north, south, east, and west) each paved area. Each sample was collected and screened with a photoionization detector (PID); a volatile organic compound (VOC) grab sample was selected at each soil boring location from the sample with the highest head space reading. The soils remaining at each soil boring location were then composited and samples were collected for analysis of total petroleum hydrocarbon (TPH), and the eight RCRA metals; T1-10 was also analyzed for herbicides.

At Soil Boring locations S1-5, S1-6, S1-12, S1-15, T1-16, and U3-11, one soil sample was collected from each location from 0 to 4 ft bg. A VOC grab sample was collected from the 0 to 4 ft interval and the remaining soils from the 0 to 4 ft interval was then composited and samples were collected for analysis of TPH and the eight RCRA metals; S1-5 and S1-6 was also analyzed for phosphorus and nitrogen compounds; S1-12, S1-15, and T1-16 were also analyzed for herbicides; and S1-15 and T1-16 were also analyzed for polychlorinated byphenols (PCBs).

At Soil Borings T1-7, T1-8, and U3-9, a two-point composite soil sample was collected in the following manner: at each location, two samples were collected from 0 to 4 feet below grade (ft bg) at points (north and south) of the taxiway. Each sample was collected and screened with a photoionization detector (PID); a volatile organic compound (VOC) grab sample was selected at each soil boring location from the sample with the highest head space reading. The soils remaining at each soil boring location

were then composited and samples were collected for analysis of total petroleum hydrocarbon (TPH) and the eight RCRA metals.

At each sample location, an extra sample container was filled and submitted to the lab for the possible analysis of TPH ID, TCLP, and Total STARS parameters. Analysis of these samples was dependent upon the results of the TPH analysis.

All samples were cooled in ice filled coolers and hand delivered to Ecotest Labs. Strict Chain-of-Custody Protocols were maintained throughout this investigation. Chain-of-Custody forms, diagram of Sample Locations, and a PID reading table are included in this memo.

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Table of PID Readings.

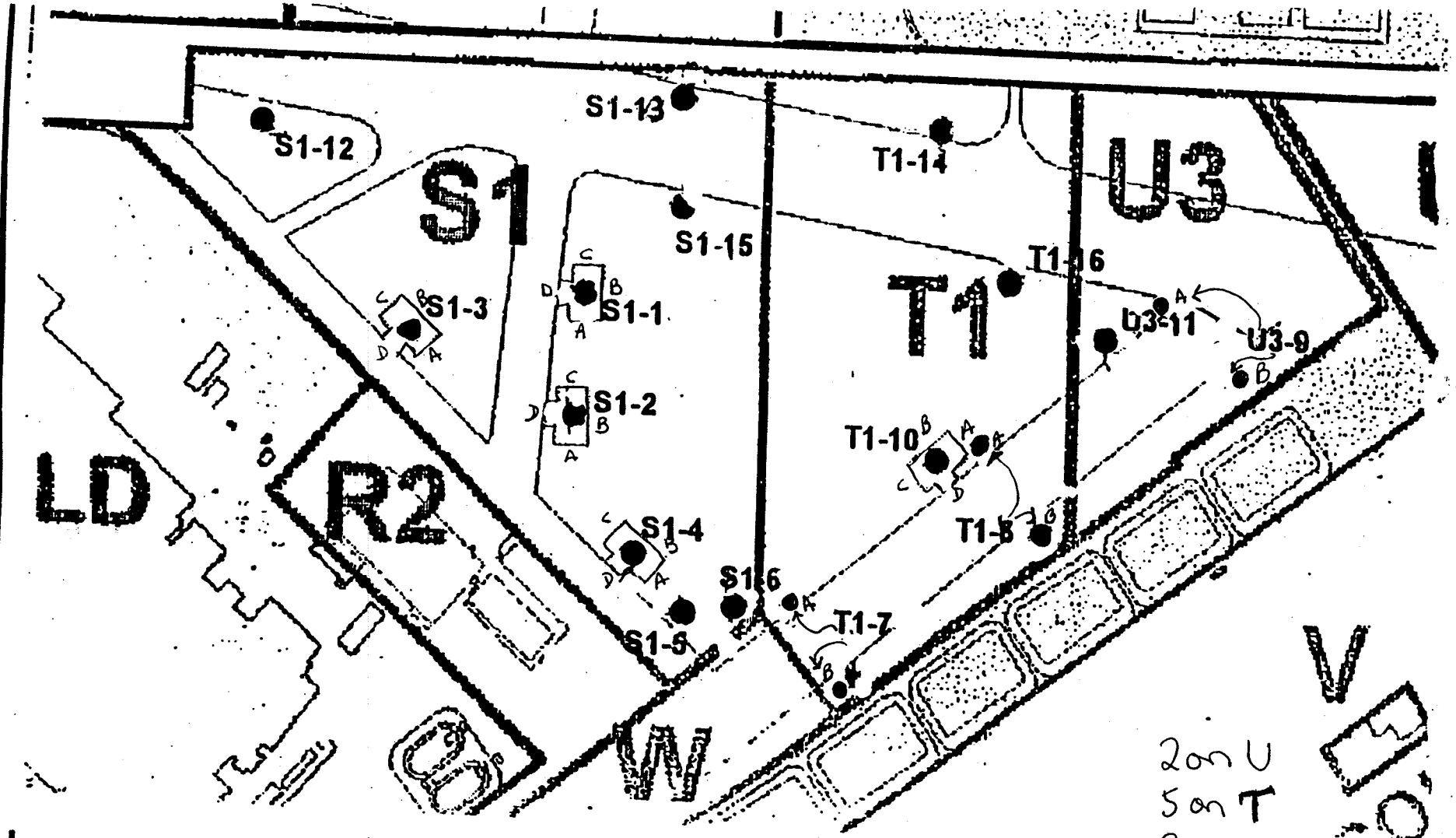
Soil Boring	Sample Location	PID Reading in ppm
S1-1*	A	13.3
S1-1	B	11.4
S1-1	C	12.0
S1-1	D	13.1
S1-2	A	5.6
S1-2*	B	7.6
S1-2	C	6.1
S1-2	D	6.1
S1-3	A	5.3
S1-3*	B	8.7
S1-3	C	7.2
S1-3	D	6.2
S1-4*	A	12.6
S1-4	B	10.9
S1-4	C	8.7
S1-4	D	7.2
T1-10	A	1.1
T1-10	B	2.9
T1-10*	C	3.9
T1-10	D	3.6
T1-7	A	7.8
T1-7*	B	8.1
T1-8	A	2.5
T1-8*	B	3.0
U3-9	A	3.1
U3-9*	B	3.6

* Volatile organic compound sample collected and analyzed from this sample location.

ppm Parts per million.

Sample Log

Date	Sample ID	Sample Description
March 12, 1997	U3-11	3 1/2' recovery silty sand moist at bottom brown to lighter tan at 3 ft.
March 12, 1997	S1-2	A = 5.6 3 1/2 silty sand 3 ft medium to sand with gravel
		B = 7.6 3' silty sand 2' moist silty sand brown tan
		C = 6.1 3' silty sand 2' moist silty sand brown tan
		D = 6.1 3 silty sand 2' silty sand brown fine gravel
March 12, 1997	S1-1	A = 13.3 ppm 3 1/2' topsoil 8" sand layer 2' thin brown to silty sand with
		with some gravel than fine to medium sand with gravel.
		B = 11.4 ppm 3 1/2' topsoil silty sand, fine to coarse and with gravel
		C = 12.0 ppm 3 1/2' topsoil silty sand coarse sand with gravel
		D = 13.1 ppm 3 1/2' topsoil silty sand coarse sand with gravel
March 12, 1997	S1-3	A = 5.3 ppm 3 ft 6" topsoil 6" sand moist dark silty sandy and tan silty sand with gravel
		B = 8.7 ppm 3 1/2' 6" topsoil 6" fine sand moist dark silty sandy and tan silty sand with gravel
		C = 7.2 ppm 3 ' 6" topsoil 6" fine sand small clay lense at bottom
		D = 6.2 ppm 3' 6" topsoil 6" fine sand small clay no lense at bottom
March 12, 1997	S1-12	3 ft silty sand small sandy layer at bottom
March 12, 1997	T-16	3 1/2" 3/4 silty sand 1/4 sand with gravel
March 12, 1997	U3-9	A=3.1 ppm 3 1/2' recovery same type
		B=3.6 ppm
March 12, 1997	T1-10	A = 1.1 ppm 3' recovery same type
		B = 2.9 ppm 3 1/2' recovery brown to orange coarse sand at 3 ft.
		C = 3.9 ppm 3 ' recovery brown silty sand tan coarse sand
		D = 3.6 ppm 3 ' recovery brown silty sand tan coarse sand
March 12, 1997	T1-08	A = 2.5 ppm 3' silty sand brown to lighter tan
		B = 3.0 ppm 4' silty sand with stone
March 12, 1997	T1-7	A = 7.8 ppm 3 1/2 silty sand to fine stone with gravel
		B = 8.1 ppm 3 1/2 silty sand brown
March 12, 1997	S1-6	2 Maros 2' and 3' recovery silty sand
March 12, 1997	S1-5	3 1/2' silty clay with sone brown to orange gravel brownish gray clay at 3'
March 12, 1997	S1-4	A = 12.6ppm 3 1/2' dark to silty sand to coarse sand top sand and gravel
		B = 10.9ppm 3 1/2' Dark to soil to coarse sand with gravel to fine sand with gravel
		C = 8.7ppm 3' silty sand top 3 ft coarse sand with gravel to bottom
		D = 7.2ppm 3 1/2 silty sand to 2 ft fine silty sand



GERAGHTY & MILLER, INC.
Environmental Services
A Heidemij Company

PROPOSED SOIL BORING LOCATIO
ENVIRONMENTAL SITE ASSE
OF THE S1, T1, AND U3 PRO

NORTHROP GRUMMAN CORPORAT
BETHPAGE, NEW YORK

& MILLER, INC.
Environmental Services

Laboratory Task Order No. ______

CHAIN-OF-CUSTODY RECORD

Page ____ of ____

Project Number: W4000811 002
Project Location: [illegible], N.J.
Laboratory: ECOTEST
Sampler(s)/Affiliation: G. WEIDMAN / D. BROWN

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	2oz JAR 8240 (1)	2oz JAR 8021 TCLP (3)	8oz JAR TPH (2)	8oz JAR Asbestos?	8oz JAR Herbicides PCB					TOTAL
S1-1	S	3-12-97		1	1	2							4
S1-2				1	1	2							4
S1-3				1	1	2							4
S1-4				1	1	2							4
S1-5				1	1	2							4
S1-6				1	1	2							4
S1-12				1	1	2							4
S1-15				1	1	1	1						4
T1-7				1	1	1	0	1					4
T1-8				1	1	2							4
T1-10				1	1	2							4
T1-16				1	1	1	1						4
D3-9				1	1	1		1					4
D3-11				1	1	2							4

Sample Code: L = Liquid; S = Solid; A = Air — SEE ATTACHED LIST [illegible]

Total No. of Bottles/Containers: [illegible]

Relinquished by: [illegible]	Organization: [illegible]		Seal Intact? Yes No N/A
Received by:	Organization:	Date 3/12/97 Time	
Relinquished by:	Organization:		Seal Intact? Yes No N/A
Received by:	Organization:	Date / / Time	

Special Instructions/Remarks: PLEASE INCLUDE PARAMETERS FOR [illegible] TCLP [illegible] 8240 [illegible]
[illegible]
[illegible] (UNFILTERED) [illegible] PCBs [illegible]

Delivery Method: ☐ In Person ☐ Common Carrier ______ (SPECIFY) ☐ Lab Courier ☐ Other

G&M Form 09 1-90

CONFIDENTIAL

NGINS000467930

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. ________

CHAIN-OF-CUSTODY RECORD

Project Number NY000811S002

Project Location Bethpage, NY

Laboratory ECOTEST

Sampler(s)/Affiliation G. [illegible]

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	40z TIC 8240(2)	32oz jar TCLP [illegible]	2oz jar TPH(1)	8oz jar TPH(2) [illegible]	8oz jar Herb PCB					TOTAL
GR-02 (0-4)		3-14-97		1	1	2							4
GR-01 (4-15)							2						2
GR-02 (4-15)				1	1								2
S1-13 (0-4)				1	1		1	1					4
S1-13 (4-15)							2						2
S1-13 (4-15)				1	1								2
T1-14 (0-4)				1	1		1	1					4
T1-14 (4-15)							2						2
T1-14 (4-15)				1	1								2
GR-07 (0-4)				1	1		2						4
SR-07 (4-15)							2						2
GR-07 (4-15)				1	1								2
GR-08 (0-4)				1	1		2						4
GR-08 (4-15)							2						2
GR-08 (4-15)				1	1								2

*Sample Code: L = Liquid; S = Solid; A = Air

SEE ATTACHED LIST FOR TURNAROUND TIMES

Total No. of Bottles/Containers: 40

Relinquished by: [illegible]	Organization: GTM		Seal Intact? Yes No N/A
Received by: [illegible]	Organization: [illegible]	Date 3/14/97 Time 4:15	
Relinquished by:	Organization:		Seal Intact? Yes No N/A
Received by:	Organization:	Date / / Time	

Special Instructions/Remarks: 1) PLEASE INCLUDE PARAMETER LIST [illegible] TABLE 1 TO 8240 ANALYSES
2) IF TPH IS [illegible] NOTIFY ROB [illegible] FOR POSSIBLE 8015 (DRO) ANALYSES. AFTER SUBMITTING TPH TO, ADDITIONAL TOTAL AND TCLP [illegible] ANALYSES MAY BE NEEDED

Delivery Method: ☐ In Person ☐ Common Carrier

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No.________

CHAIN-OF-CUSTODY RECORD

Page____ of____

Project Number N40008117 002
Project Location BETHPAGE NY
Laboratory ECOTEST
Sampler(s)/Affiliation G. [illegible] / [illegible]

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	40ml VOA (8240)	1 liter amber [illegible]	1 L [illegible] Herbicide	1 L amber PCB	120ml [illegible] metals					TOTAL
FB31297	S	3-12-97		2	1	1	1	1					6

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers: 6

Relinquished by: [illegible] Organization: [illegible]
Received by: ________ Organization: ________ Date 3/12/97 Time [illegible]
Seal Intact? Yes No N/A

Relinquished by: ________ Organization: ________
Received by: ________ Organization: ________ Date __/__/__ Time ________
Seal Intact? Yes No N/A

Special Instructions/Remarks: ________

Delivery Method: ☐ In Person ☐ Common Carrier ________ ☐ Lab Courier ☐ Other

G&M Form 09 1-90

Memorandum

TO: Robert Porsche, Carlo San Giovanni

FROM: Gary Williams

DATE: June 27, 1997

SUBJECT: Supplemental Soil Sampling for S, T, and U Properties at Northrop-Grumman Bethpage Facility (Project No. NY0008.132.006, 009, 012))

Supplemental soil sampling was carried out for the S, T, and U properties at the Northrop-Grumman Bethpage New York facility on April 29, 30, and May 2, 1997. Gary Williams of Geraghty & Miller carried out the sampling assisted by Zebra Environmental Inc. using a Geoprobe sampling system.

Seventeen drywells were sampled with two discrete samples (0-2', 2-4') taken at each location. All sample locations were sampled for VOC's (method 8260 STARS), TPH (method 418.1), Total SVOC's (method 8270 STARS), and 8 RCRA metals. Additionally samples were taken for TPH ID (Method 8015), TCLP 8270 STARS and TCLP 8260 STARS. These analyses would be requested based on results of the original parameters analyzed. Turnaround times were expedited with each analysis to allow all analyses to be available for testing within their prescribed holding times. These times are listed on the individual chain-of-custody forms attached to this memo.

Mercury impacts at sample location S1-12 were further delineated by sampling the previous location at intervals of 0-1', 1-2', and 2-4'. Additional samples were collected at four points (North, South, East and West) at points approximately 5' from the original sample location at depths of 0-1', 1-2' and 2-4'. The samples were analyzed for mercury (Hg) with a rush (2 business day) turnaround time. The remaining four samples were held pending results from S1-12 (0-1', 1-2' and 2-4').

To further delineate two sample locations from a previous sampling (S1-13 and T1-14), additional samples were taken at each of these locations in the 0-1', 1-2' and 2-4' intervals. Additional samples were taken 50 ft east and 50 ft west of the two previous sample points. A single point was sampled between S1-13 and T1-14 and was marked T1-14W. These samples were analyzed for Total and TCLP 8270 STARS parameters.

Two underground vaults associated with the arresting cable winches were investigated during this sampling event. It was found that both of these vaults had no bottom, so two samples from 0-2' and 2-4' were taken from the base of the vault. These samples are actually about 6-8' and 8-10' below land surface. They were analyzed for

TPH, and PCBs. Additional jars were filled for analysis of VOCs, SVOCs, TCLP SVOCs, and TPH ID based on TPH results. Turnaround times were expedited to allow all parameters to be analyzed within their prescribed holding times.

At the former location of the blast fence, near the center of the S1 parcel, two discrete soil samples were collected from 0-2 and 2-4 ft below land surface. Samples were submitted for analysis of TPH, 8 RCRA metals, and SVOCs. TPH ID and TCLP SVOCs will be performed based upon results of TPH and Total SVOC analyses.

With the exception of U3-D5, drywells sampled in this event were approximately 16' deep. U3-D5 was only 6-7 feet deep. Because the property was regraded, U3-D2 could not be located and was not sampled. Drywell samples were collected for analysis of TPH, VOCs, 8 RCRA metals and SVOCs. Additional jars were filled for analysis of TPH ID, SVOCs and TCLP SVOCs based on results of TPH analysis.

All samples were cooled in ice filled coolers and hand delivered to Ecotest Labs opening the following morning. Strict Chain-of-Custody Protocols were maintained throughout this investigation. Chain-of-Custody forms are included in this memo.

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Sample Log

Date	Sample ID	Sample Description
April 30, 1997	S1-D5	
April 30, 1997	S1-D6	7' water in drywell
April 30, 1997	T1-D6	Site access problem
April 30, 1997	T1-D7	water
April 30, 1997	T1-D5	no water - some fine sand at bottom
April 30, 1997	T1-D4	Coarse
		Fine sand
April 30, 1997	T1-D3	Fine medium coarse sand gravel
April 30, 1997	T1-D1	
May 2, 1997	S1-D1	
May 2, 1997	T1-D6	
May 2, 1997	U3-D5	7' Deep
		Single Ring
May 2, 1997	U3-D4	Vault fine sand clay layer at 1 1/2'
May 2, 1997	U3-19	
May 2, 1997	U3-D3	Grate missing, drywell appears to be filled in with surface soils
		drove LB blind to 16' and took sample.
May 2, 1997	S1-D2	Large stone and fine medium coarse sand below to fine sand
May 2, 1997	S1-D3	
May 2, 1997	S1-D4	Petro odor
June 29, 1997	S1-12	Soil
		Topsoil some fill
		Coarse medium sand stone
June 29, 1997	S1-12W	Topsoil
		Topsoil some fill
		Coarse medium sand some moisture silty sand
June 29, 1997	S1-12S	Topsoil
		Topsoil
		Moist silty sand with fines medium coarse sand below

Sample Log

Date	Sample ID	Sample Description
June 29, 1997	S1-12E	7' away from S1-12 due to utilities
		Topsoil
		Moist silty sand
		Fine medium coarse sand gravel
June 29, 1997	S1-12W	Topsoil
		Moist silty sand
		Moist fine medium coarse sand top to dry fine medium coarse
June 29, 1997	S1-17	Vault has no bottom
		Fine, medium, coarse sand stone
		Fine, medium, coarse sand stone
June 29, 1997	S1-18	Topsoil with fine, medium, coarse sand boring
		Fine, medium, coarse sand stone

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Environmental Services

Laboratory Task Order No.________

CHAIN-OF-CUSTODY RECORD

Page______ of______

Project Number: NY0008132
Project Location: BETHPAGE NY
Laboratory: ECOTEST
Sampler(s)/Affiliation: G. WILLIAMS

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	2oz JAR 8260+STARS	2oz JAR 8080 TCLP 8240 8270 **	8oz JAR TPH * 8270 STARS	8RCRA METALS						TOTAL
S1-D1-(0-2)	S	5-29-97		1	1	1							3
S1-D1 (2-4)				1	1	1							3
T7-D6 (0-2)				1	1	1							3
T7-D6 (2-4)				1	1	1							3
U3-D1 (0-2)				1	1	1							3
U3-D1 (2-4)				1	1	1							3
U3-D5 (0-2)				1	1	1							3
U3-D5 (2-4)				1	1	1							3
U3-D4 (0-2)				1	1	1		8D 8260 5 Bus Day					3
U3 D4 (2-4)				1	1	1		8270 3 Bus Day					3
U3-D3 (0-2)				1	1	1		TPH 2 Bus Day					3
U3-D3 (2-4)				1	1	1		TPH 7 Bus Day					3
								8 Metals 10 Bus Day					
								TCLP - well metals					

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 36

Relinquished by: [illegible] Received by:	Organization: [illegible] Organization:	Date 5/29/97 Time 4:00	Seal Intact? Yes No N/A
Relinquished by: Received by:	Organization: Organization:	Date / / Time	Seal Intact? Yes No N/A

Special Instructions/Remarks: [illegible]

Delivery Method: ☐ In Person ☐ Common Carrier ________ (SPECIFY) ☐ Lab Courier ☐ Other

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No.________

CHAIN-OF-CUSTODY RECORD

Page______ of______

Project Number NY0008B2.006
Project Location BETHPAGE NY
Laboratory ECOTEST
Sampler(s)/Affiliation G-[illegible]

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	2oz JAR 8021 STARS **	8oz JAR TPH * PCB	8oz JAR TOTAL AND TCLP ** 8270 STARS							TOTAL
D3-19 (0-2)	S	5-2-97		1	1	1							3
D3-19 (2-4)	↓	↓		1	1	1							3

TPH 24 HR
TPH [illegible] 24 HR
PCB 10 DAY
8270 - [illegible] / NOTIFY

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 6

Relinquished by: [illegible] Organization: G-M
Received by: ________ Organization: ________ Date 5/2/97 Time 4:00 Seal Intact? Yes No N/A

Relinquished by: ________ Organization: ________
Received by: ________ Organization: ________ Date __/__/__ Time ______ Seal Intact? Yes No N/A

Special Instructions/Remarks: ** HOLD [illegible] NOTIFICATION
[illegible]

Delivery Method: ☒ In Person ☐ Common Carrier ________ (SPECIFY) ☐ Lab Courier ☐ Other ________

G&M Form 09.1.90

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page _____ of _____

Project Number NY000813200 6

Project Location BETHPAGE NY

Laboratory ECOTEST

Sampler(s)/Affiliation G. WILLIAMS

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	202 TAL 8260 +STARS	202 TAL TCLP 8021/8270 STARS	802 TAL TPH* 8270 STARS	8 RCRA METALS						TOTAL
SI-D-5 (0-2)	S	4-30-97											3
SI-D5 (2-4)													3
SI-D6 (0-2)													3
SI-D6 (2-4)													3
TI-D7 (0-2)													3
TI-D7 (2-4)													3
TI-D5 (0-2)													3
TI-D5 (2-4)													3
TI-D4 (0-2)													3
TI-D4 (2-4)													3
TI-D-3 (0-2)													3
TI-D-3 (2-4)													3
TI-D-2 (0-2)													3
TI-D-2 (2-4)													3
TI-D-1 (0-2)													3
TI-D1 (2-4)													3
													3

TURNAROUND TIMES
8260 – 5 BUS DAY
8270 – 3 BUS DAY
TPH – 2 BUS DAY
TPH TD – 7 DAY ⇒ NORUSH
8 RCRA METALS 10 DAY
TCLP – WILL NOTIFY

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers: 48

Relinquished by:	Organization: G&M	Date 5/1/97	Time 0930	Seal Intact? Yes No N/A
Received by:	Organization:			
Relinquished by:	Organization:	Date / /	Time	Seal Intact? Yes No N/A
Received by:	Organization:			

Special Instructions/Remarks: ** HOLD PENDING NOTIFICATION
* NOTIFY ROBERT LOUGHLIN OF TPH RESULTS FOR POSSIBLE TPH TO 8015 DRO ANALYSIS

Delivery Method: ☑ In Person ☐ Common Carrier _____ ☐ Lab Courier ☐ Other

SPECIFY

G&M Form 09.1.90

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. ______

CHAIN-OF-CUSTODY RECORD

Page ____ of ____

Project Number NY0008132 006

Project Location BETHPAGE N.Y.

Laboratory ECOTEST

Sampler(s)/Affiliation G. WILLIAMS

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	8OZ JAR TOTAL AND TCLP 8270 STARS									TOTAL
T1-14E (0-1)	S	4.30.97		1									1
T1-14E (1-2)	↓	↓		1									1
T1-14E (2-4)				1									1
T1-14 (0-1)				1									1
T1-14 (1-2)				1									1
T1-14 (2-4)				1									1
T1-14W (0-1)				1									1
T1-14W (1-2)				1									1
T1-14W (2-4)				1									1
S1-13 (0-1)				1									1
S1-13 (1-2)				1									1
S1-13 (2-4)				1									1
S1-13W (0-1)				1									1
S1-13W (1-2)				1									1
S1-13W (2-4)	↓	↓		1									1

5 DAY TURNAROUND

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers: 15

Relinquished by: [illegible] Organization: G+M
Received by: ______ Organization: ______
Date 5/1/97 Time 9:30
Seal Intact? Yes No (N/A)

Relinquished by: ______ Organization: ______
Received by: ______ Organization: ______
Date __/__/__ Time ______
Seal Intact? Yes No N/A

Special Instructions/Remarks: REPORT TO ROBERT [illegible]

Delivery Method: ☒ In Person ☐ Common Carrier ______ ☐ Lab Courier ☐ Other

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No.______

CHAIN-OF-CUSTODY RECORD

Page______ of______

Project Number NY0008132006
Project Location BETHPAGE NY
Laboratory ECOTEST
Sampler(s)/Affiliation G. WILLIAMS

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	2oz JAR 8260+STARS EST	2oz JAR TCLP 8260 **	8oz JAR TPH* 8RCRA 8270 STARS								TOTAL
S1-D-2(0-2)	S	4-29-97		1	1	1								3
S1-D2 (2-4)	↓	↓		1	1	1								3
S1-D3 (0-2)	↓	↓		1	1	1								3
S1-D3 (2-4)	↓	↓		1	1	1								3
S1-D4 (0-2)	↓	↓		1	1	1								3
S1-D4 (2-4)	↓	↓		1	1	1								3

8260 5 DAY
TPH 2 DAY
TPH ID 2 DAY ([illegible] after report [illegible])
SVOC (8270) 3 DAY
8RCRA MI CALL ROBERT PORSCHE (10 DAY)?

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 18

Relinquished by: [illegible]	Organization: G+M		Seal Intact? Yes No N/A
Received by: [illegible]	Organization: [illegible]	Date 4/30/97 Time 8:00	
Relinquished by:	Organization:		Seal Intact? Yes No N/A
Received by:	Organization:	Date / / Time	

Special Instructions/Remarks:
* [illegible] ROBERT PORSCHE [illegible] TPH ID [illegible]
** [illegible] (8260, 8270)

Delivery Method: ☐ In Person ☐ Common Carrier ☐ Lab Courier ☐ Other

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. _____

CHAIN-OF-CUSTODY RECORD

Page _____ of _____

Project Number NY 000813.2006

Project Location BENNETT NY

Laboratory ECOTEST

Sampler(s)/Affiliation G. WILLIAMS

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	SAMPLE BOTTLE / CONTAINER DESCRIPTION								TOTAL
				2oz JAR Hg RUSH 2 WK								
SI-12 (0-1)	S	4-7-97		1		RUSH ANALYSIS				2 BUS Day		1
SI-12 (1-2)				1								1
SI-12 (2-4)				1								1
SI-12D (0-1)				1								1
SI-12D (1-2)				1								1
SI-12D (2-4)				1								1
SI-12E (0-1)				1		HOLD						1
SI-12E (1-2)				1								1
SI-12E (2-4)				1		PEND. RUSH						1
SI-12S (0-1)				1								1
SI-12S (1-2)				1								1
SI-12S (2-4)				1		(NOTIFY CAF IF O.K.)						1
SI-12W (0-1)				1								1
SI-12W (1-2)				1								1
SI-12W (2-4)	↓	↓		1								1
											Total No. of Bottles/ Containers	15

Sample Code: L = Liquid; S = Solid; A = Air

Relinquished by: _____ Organization: _____

Received by: _____ Organization: _____ Date 4/7 Time _____ Seal Intact? Yes No N/A

Relinquished by: _____ Organization: _____

Received by: _____ Organization: _____ Date / / Time _____ Seal Intact? Yes No N/A

Special Instructions/Remarks: 24 HR TAT CO MING

Delivery Method: ☐ In Person ☐ Common Carrier _____ SPECIFY ☐ Lab Courier ☐ Other _____

G&M Form 09 1-90

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No. ________

CHAIN-OF-CUSTODY RECORD

Page ______ of ______

Project Number NY0008132006

Project Location BETHPAGE NY

Laboratory ECOTEST

Sampler(s)/Affiliation G. WILLIAMS

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	2oz JAR 8021 VOC STARS *	8oz JAR TPH/TPHID *8RCRA	8oz JAR TPH TPHID *PCB	8oz JAR TOTAL SVOC (TCLP+) 8270						TOTAL
S1-17 (0-2)	S	4-29-97		1		1	1						3
S1-17 (2-4)	↓	↓		1		1	1						3
S1-18 (0-2)	↓	↓		1	1		1						3
S1-18 (2-4)	↓	↓		1	1		1						3

TPH — 24 HRS
TPHID — 24 HRS
8RCRA — 10 DAY (CALL ALBERT PORSCHE TO CONFIRM)
PCB — 10 DAY

Sample Code: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 12

Relinquished by: [illegible] Organization: G+M
Received by: [illegible] Organization: [illegible] Date 4/30/97 Time [illegible] Seal Intact? Yes No N/A

Relinquished by: ________ Organization: ________
Received by: ________ Organization: ________ Date __/__/__ Time ________ Seal Intact? Yes No N/A

Special Instructions/Remarks: * HOLD (PENDING NOTIFICATION)
** NOTIFY ALBERT PORSCHE OF TPH [illegible] RESULTS FOR POSSIBLE TPH ID 8015 GRO ANALYSES

Delivery Method: ☐ In Person ☐ Common Carrier ________ ☐ Lab Courier ☐ Other

CONFIDENTIAL

NGINS000467943

APPENDIX B

APPENDIX B

LABORATORY DATA

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971043/1 03/25/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008117.002
COLLECTED BY: Client DATE COL'D:03/12/97 RECEIVED:03/12/97

SAMPLE: Soil sample, S-1-1

ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<1.1
Vinyl Chloride	ug/Kg	<1.1
Bromomethane	ug/Kg	<1.1
Chloroethane	ug/Kg	<1.1
Trichlorofluomethane	ug/Kg	<1.1
1,1 Dichloroethene	ug/Kg	<1.1
Methylene Chloride	ug/Kg	<1.1
t-1,2-Dichloroethene	ug/Kg	<1.1
1,1 Dichloroethane	ug/Kg	<1.1
Chloroform	ug/Kg	<1.1
111 Trichloroethane	ug/Kg	<1.1
Carbon Tetrachloride	ug/Kg	<1.1
Benzene	ug/Kg	<1.1
1,2 Dichloroethane	ug/Kg	<1.1
Trichloroethene	ug/Kg	<1.1
1,2 Dichloropropane	ug/Kg	<1.1
Bromodichloromethane	ug/Kg	<1.1
2chloroethvinylether	ug/Kg	<1.1
t-1,3Dichloropropene	ug/Kg	<1.1
Toluene	ug/Kg	<1.1
c-1,3Dichloropropene	ug/Kg	<1.1
112 Trichloroethane	ug/Kg	<1.1
Tetrachloroethene	ug/Kg	<1.1
Chlorodibromomethane	ug/Kg	<1.1
Chlorobenzene	ug/Kg	<1.1

ANALYTICAL PARAMETERS		
Ethyl Benzene	ug/Kg	<1.1
m + p Xylene	ug/Kg	<2.2
o Xylene	ug/Kg	<1.1
Bromoform	ug/Kg	<1.1
1122Tetrachloroethan	ug/Kg	<1.1
1,2 Dichlorobenzene	ug/Kg	<1.1
1,3 Dichlorobenzene	ug/Kg	<1.1
1,4 Dichlorobenzene	ug/Kg	<1.1
Isopropylbenzene	ug/Kg	<1.1
n-Propylbenzene	ug/Kg	<1.1
p-Isopropyltoluene	ug/Kg	<1.1
124-Trimethylbenzene	ug/Kg	<1.1
135-Trimethylbenzene	ug/Kg	<1.1
n-Butylbenzene	ug/Kg	<1.1
sec-Butylbenzene	ug/Kg	<1.1
Naphthalene	ug/Kg	<1.1
ter.ButylMethylEther	ug/Kg	<1.1
% Solids		90
tert-Butylbenzene	ug/Kg	<1.1

cc:

REMARKS: Analysis was performed by GC/MS, EPA Method 8260.
Results reported on a dry weight basis.
Corrected Report.

DIRECTOR

rn= 6365 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971043/1 03/25/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008117.002
COLLECTED BY: Client DATE COL'D:03/12/97 RECEIVED:03/12/97

SAMPLE: Soil sample, S-1-1

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons	mg/Kg	<11

cc:

REMARKS: Results reported on a dry weight basis.
Corrected Report.

DIRECTOR

rn= 6366 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971043/1 03/25/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008117.002
COLLECTED BY: Client DATE COL'D:03/12/97 RECEIVED:03/12/97

SAMPLE: Soil sample, S-1-1

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	3.4	
Barium as Ba	mg/Kg	16	
Cadmium as Cd	mg/Kg	<0.11	
Chromium as Cr	mg/Kg	8.3	
Lead as Pb	mg/Kg	7.7	
Mercury as Hg	mg/Kg	0.042	
Selenium as Se	mg/Kg	<0.44	
Silver as Ag	mg/Kg	<0.11	

cc:

REMARKS: Results reported on a dry weight basis.
Corrected Report.

DIRECTOR

rn= 6367 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971043/2 03/25/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008117.002
COLLECTED BY: Client DATE COL'D:03/12/97 RECEIVED:03/12/97

SAMPLE: Soil sample, S-1-2

ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<1.1
Vinyl Chloride	ug/Kg	<1.1
Bromomethane	ug/Kg	<1.1
Chloroethane	ug/Kg	<1.1
Trichlorofluomethane	ug/Kg	<1.1
1,1 Dichloroethene	ug/Kg	<1.1
Methylene Chloride	ug/Kg	1.1
t-1,2-Dichloroethene	ug/Kg	<1.1
1,1 Dichloroethane	ug/Kg	<1.1
Chloroform	ug/Kg	<1.1
111 Trichloroethane	ug/Kg	<1.1
Carbon Tetrachloride	ug/Kg	<1.1
Benzene	ug/Kg	<1.1
1,2 Dichloroethane	ug/Kg	<1.1
Trichloroethene	ug/Kg	<1.1
1,2 Dichloropropane	ug/Kg	<1.1
Bromodichloromethane	ug/Kg	<1.1
2chloroethvinylether	ug/Kg	<1.1
t-1,3Dichloropropene	ug/Kg	<1.1
Toluene	ug/Kg	<1.1
c-1,3Dichloropropene	ug/Kg	<1.1
112 Trichloroethane	ug/Kg	<1.1
Tetrachloroethene	ug/Kg	<1.1
Chlorodibromomethane	ug/Kg	<1.1
Chlorobenzene	ug/Kg	<1.1

ANALYTICAL PARAMETERS		
Ethyl Benzene	ug/Kg	<1.1
m + p Xylene	ug/Kg	<2.2
o Xylene	ug/Kg	<1.1
Bromoform	ug/Kg	<1.1
1122Tetrachloroethan	ug/Kg	<1.1
1,2 Dichlorobenzene	ug/Kg	<1.1
1,3 Dichlorobenzene	ug/Kg	<1.1
1,4 Dichlorobenzene	ug/Kg	<1.1
Isopropylbenzene	ug/Kg	<1.1
n-Propylbenzene	ug/Kg	<1.1
p-Isopropyltoluene	ug/Kg	<1.1
124-Trimethylbenzene	ug/Kg	<1.1
135-Trimethylbenzene	ug/Kg	<1.1
n-Butylbenzene	ug/Kg	<1.1
sec-Butylbenzene	ug/Kg	<1.1
Naphthalene	ug/Kg	<1.1
ter.ButylMethylEther	ug/Kg	<1.1
% Solids		89
tert-Butylbenzene	ug/Kg	<1.1

cc:

REMARKS: Analysis was performed by GC/MS, EPA Method 8240.
Results reported on a dry weight basis.
Corrected Report.

DIRECTOR

rn= 6368 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971043/2 03/25/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008117.002
COLLECTED BY: Client DATE COL'D:03/12/97 RECEIVED:03/12/97

SAMPLE: Soil sample, S-1-2

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons	mg/Kg 44	

cc:

REMARKS: Results reported on a dry weight basis.
Corrected Report.

DIRECTOR

rn= 6369 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971043/2 03/25/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008117.002
COLLECTED BY: Client DATE COL'D:03/12/97 RECEIVED:03/12/97

SAMPLE: Soil sample, S-1-2

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	3.3	
Barium as Ba	mg/Kg	13	
Cadmium as Cd	mg/Kg	<0.11	
Chromium as Cr	mg/Kg	7.0	
Lead as Pb	mg/Kg	6.7	
Mercury as Hg	mg/Kg	0.058	
Selenium as Se	mg/Kg	<0.45	
Silver as Ag	mg/Kg	<0.11	

cc:

REMARKS: Results reported on a dry weight basis.
Corrected Report.

DIRECTOR

rn= 6370 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971043/2 03/25/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008117.002
COLLECTED BY: Client DATE COL'D:03/12/97 RECEIVED:03/12/97

SAMPLE: Soil sample, S-1-2

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Diesel	ug/Kg	<220	
#2 Fuel Oil	ug/Kg	<220	
#4 Fuel Oil	ug/Kg	<220	
#6 Fuel Oil	ug/Kg	<220	
Lubricating Oil	ug/Kg	<220	
Mineral Spirits	ug/Kg	<220	
JP4	ug/Kg	<220	
JP5	ug/Kg	<220	
Jet A	ug/Kg	<220	
Kerosene	ug/Kg	<220	

cc:

REMARKS: Analyses performed by Modified 8015 Method.
Diesel Range Organics.
Results reported on a dry weight basis.
Corrected Report.

DIRECTOR

rn= 6958 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971043/3 03/25/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008117.002
COLLECTED BY: Client DATE COL'D:03/12/97 RECEIVED:03/12/97

SAMPLE: Soil sample, S-1-3

ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<1.2
Vinyl Chloride	ug/Kg	<1.2
Bromomethane	ug/Kg	<1.2
Chloroethane	ug/Kg	<1.2
Trichlorofluomethane	ug/Kg	<1.2
1,1 Dichloroethene	ug/Kg	<1.2
Methylene Chloride	ug/Kg	2.3
t-1,2-Dichloroethene	ug/Kg	<1.2
1,1 Dichloroethane	ug/Kg	<1.2
Chloroform	ug/Kg	<1.2
111 Trichloroethane	ug/Kg	<1.2
Carbon Tetrachloride	ug/Kg	<1.2
Benzene	ug/Kg	<1.2
1,2 Dichloroethane	ug/Kg	<1.2
Trichloroethene	ug/Kg	<1.2
1,2 Dichloropropane	ug/Kg	<1.2
Bromodichloromethane	ug/Kg	<1.2
2chloroethvinylether	ug/Kg	<1.2
t-1,3Dichloropropene	ug/Kg	<1.2
Toluene	ug/Kg	<1.2
c-1,3Dichloropropene	ug/Kg	<1.2
112 Trichloroethane	ug/Kg	<1.2
Tetrachloroethene	ug/Kg	<1.2
Chlorodibromomethane	ug/Kg	<1.2
Chlorobenzene	ug/Kg	<1.2

ANALYTICAL PARAMETERS		
Ethyl Benzene	ug/Kg	<1.2
m + p Xylene	ug/Kg	<2.3
o Xylene	ug/Kg	<1.2
Bromoform	ug/Kg	<1.2
1122Tetrachloroethan	ug/Kg	<1.2
1,2 Dichlorobenzene	ug/Kg	<1.2
1,3 Dichlorobenzene	ug/Kg	<1.2
1,4 Dichlorobenzene	ug/Kg	<1.2
Isopropylbenzene	ug/Kg	<1.2
n-Propylbenzene	ug/Kg	<1.2
p-Isopropyltoluene	ug/Kg	<1.2
124-Trimethylbenzene	ug/Kg	<1.2
135-Trimethylbenzene	ug/Kg	<1.2
n-Butylbenzene	ug/Kg	<1.2
sec-Butylbenzene	ug/Kg	<1.2
Naphthalene	ug/Kg	<1.2
ter.ButylMethylEther	ug/Kg	<1.1
% Solids		86
tert-Butylbenzene	ug/Kg	<1.2

cc:

REMARKS: Analysis was performed by GC/MS, EPA Method 8260.
Results reported on a dry weight basis.
Corrected Report.

DIRECTOR _____

rn= 6371 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971043/3 03/25/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008117.002
COLLECTED BY: Client DATE COL'D:03/12/97 RECEIVED:03/12/97

SAMPLE: Soil sample, S-1-3

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons	mg/Kg	<12

cc:

REMARKS:

DIRECTOR

rn= 6372 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971043/3 03/25/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008117.002
COLLECTED BY: Client DATE COL'D:03/12/97 RECEIVED:03/12/97

SAMPLE: Soil sample, S-1-3

ANALYTICAL PARAMETERS		
Arsenic as As	mg/Kg	3.6
Barium as Ba	mg/Kg	16
Cadmium as Cd	mg/Kg	<0.12
Chromium as Cr	mg/Kg	8.7
Lead as Pb	mg/Kg	5.2
Mercury as Hg	mg/Kg	0.040
Selenium as Se	mg/Kg	<0.47
Silver as Ag	mg/Kg	<0.12

ANALYTICAL PARAMETERS

cc:

REMARKS: Results reported on a dry weight basis.
Corrected Report.

DIRECTOR

rn= 6373 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971043/4 03/25/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008117.002
COLLECTED BY: Client DATE COL'D:03/12/97 RECEIVED:03/12/97

SAMPLE: Soil sample, S-1-4

ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<1.1
Vinyl Chloride	ug/Kg	<1.1
Bromomethane	ug/Kg	<1.1
Chloroethane	ug/Kg	<1.1
Trichlorofluomethane	ug/Kg	<1.1
1,1 Dichloroethene	ug/Kg	<1.1
Methylene Chloride	ug/Kg	<1.1
t-1,2-Dichloroethene	ug/Kg	<1.1
1,1 Dichloroethane	ug/Kg	<1.1
Chloroform	ug/Kg	<1.1
111 Trichloroethane	ug/Kg	<1.1
Carbon Tetrachloride	ug/Kg	<1.1
Benzene	ug/Kg	<1.1
1,2 Dichloroethane	ug/Kg	<1.1
Trichloroethene	ug/Kg	<1.1
1,2 Dichloropropane	ug/Kg	<1.1
Bromodichloromethane	ug/Kg	<1.1
2chloroethvinylether	ug/Kg	<1.1
t-1,3Dichloropropene	ug/Kg	<1.1
Toluene	ug/Kg	<1.1
c-1,3Dichloropropene	ug/Kg	<1.1
112 Trichloroethane	ug/Kg	<1.1
Tetrachloroethene	ug/Kg	<1.1
Chlorodibromomethane	ug/Kg	<1.1
Chlorobenzene	ug/Kg	<1.1

ANALYTICAL PARAMETERS		
Ethyl Benzene	ug/Kg	<1.1
m + p Xylene	ug/Kg	<2.1
o Xylene	ug/Kg	<1.1
Bromoform	ug/Kg	<1.1
1122Tetrachloroethan	ug/Kg	<1.1
1,2 Dichlorobenzene	ug/Kg	<1.1
1,3 Dichlorobenzene	ug/Kg	<1.1
1,4 Dichlorobenzene	ug/Kg	<1.1
Isopropylbenzene	ug/Kg	<1.1
n-Propylbenzene	ug/Kg	<1.1
p-Isopropyltoluene	ug/Kg	<1.1
124-Trimethylbenzene	ug/Kg	<1.1
135-Trimethylbenzene	ug/Kg	<1.1
n-Butylbenzene	ug/Kg	<1.1
sec-Butylbenzene	ug/Kg	<1.1
Naphthalene	ug/Kg	<1.1
ter.ButylMethylEther	ug/Kg	<1.1
% Solids		95
tert-Butylbenzene	ug/Kg	<1.1

cc:

REMARKS: Analysis was performed by GC/MS, EPA Method 8260.
Results reported on a dry weight basis.
Corrected Report.

DIRECTOR

rn= 6374 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971043/4 03/25/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008117.002
COLLECTED BY: Client DATE COL'D:03/12/97 RECEIVED:03/12/97

SAMPLE: Soil sample, S-1-4

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons mg/Kg	61	

cc:

REMARKS: Results reported on a dry weight basis.
Corrected Report.

DIRECTOR _____

rn= 6375 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971043/4 03/25/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008117.002
COLLECTED BY: Client DATE COL'D:03/12/97 RECEIVED:03/12/97

SAMPLE: Soil sample, S-1-4

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	2.4	
Barium as Ba	mg/Kg	8.8	
Cadmium as Cd	mg/Kg	<0.11	
Chromium as Cr	mg/Kg	4.7	
Lead as Pb	mg/Kg	3.7	
Mercury as Hg	mg/Kg	0.032	
Selenium as Se	mg/Kg	<0.42	
Silver as Ag	mg/Kg	<0.11	

cc:

REMARKS: Results reported on a dry weight basis.
Corrected Report.

DIRECTOR

rn= 6376 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971043/4 03/25/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008117.002
COLLECTED BY: Client DATE COL'D:03/12/97 RECEIVED:03/12/97

SAMPLE: Soil sample, S-1-4

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Diesel	ug/Kg	<210	
#2 Fuel Oil	ug/Kg	<210	
#4 Fuel Oil	ug/Kg	<210	
#6 Fuel Oil	ug/Kg	<210	
Lubricating Oil	ug/Kg	<210	
Mineral Spirits	ug/Kg	<210	
JP4	ug/Kg	<210	
JP5	ug/Kg	<210	
Jet A	ug/Kg	<210	
Kerosene	ug/Kg	<210	

cc:

REMARKS: Analyses performed by Modified 8015 Method.
Diesel Range Organics.
Results reported on a dry weight basis.
Corrected Report.

DIRECTOR

rn= 6959 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971043/5 03/25/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008117.002
COLLECTED BY: Client DATE COL'D:03/12/97 RECEIVED:03/12/97

SAMPLE: Soil sample, S-1-5

ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<1.2
Vinyl Chloride	ug/Kg	<1.2
Bromomethane	ug/Kg	<1.2
Chloroethane	ug/Kg	<1.2
Trichlorofluomethane	ug/Kg	<1.2
1,1 Dichloroethene	ug/Kg	<1.2
Methylene Chloride	ug/Kg	2.4
t-1,2-Dichloroethene	ug/Kg	<1.2
1,1 Dichloroethane	ug/Kg	<1.2
Chloroform	ug/Kg	<1.2
111 Trichloroethane	ug/Kg	<1.2
Carbon Tetrachloride	ug/Kg	<1.2
Benzene	ug/Kg	<1.2
1,2 Dichloroethane	ug/Kg	<1.2
Trichloroethene	ug/Kg	<1.2
1,2 Dichloropropane	ug/Kg	<1.2
Bromodichloromethane	ug/Kg	<1.2
2chloroethvinylether	ug/Kg	<1.2
t-1,3Dichloropropene	ug/Kg	<1.2
Toluene	ug/Kg	<1.2
c-1,3Dichloropropene	ug/Kg	<1.2
112 Trichloroethane	ug/Kg	<1.2
Tetrachloroethene	ug/Kg	<1.2
Chlorodibromomethane	ug/Kg	<1.2
Chlorobenzene	ug/Kg	<1.2

ANALYTICAL PARAMETERS		
Ethyl Benzene	ug/Kg	<1.2
m + p Xylene	ug/Kg	<2.4
o Xylene	ug/Kg	<1.2
Bromoform	ug/Kg	<1.2
1122Tetrachloroethan	ug/Kg	<1.2
1,2 Dichlorobenzene	ug/Kg	<1.2
1,3 Dichlorobenzene	ug/Kg	<1.2
1,4 Dichlorobenzene	ug/Kg	<1.2
Isopropylbenzene	ug/Kg	<1.2
n-Propylbenzene	ug/Kg	<1.2
p-Isopropyltoluene	ug/Kg	<1.2
124-Trimethylbenzene	ug/Kg	<1.2
135-Trimethylbenzene	ug/Kg	<1.2
n-Butylbenzene	ug/Kg	<1.2
sec-Butylbenzene	ug/Kg	<1.2
Naphthalene	ug/Kg	<1.2
ter.ButylMethylEther	ug/Kg	<1.2
% Solids		82
tert-Butylbenzene	ug/Kg	<1.2

cc:

REMARKS: Analysis was performed by GC/MS, EPA Method 8260.
Results reported on a dry weight basis.
Corrected Report.

DIRECTOR

rn= 6377 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971043/5 03/25/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008117.002
COLLECTED BY: Client DATE COL'D:03/12/97 RECEIVED:03/12/97

SAMPLE: Soil sample, S-1-5

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons	mg/Kg 13	

cc:

REMARKS: Results reported on a dry weight basis.
Corrected Report.

DIRECTOR

rn= 6378 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971043/5 03/25/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008117.002
COLLECTED BY: Client DATE COL'D:03/12/97 RECEIVED:03/12/97

SAMPLE: Soil sample, S-1-5

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	4.0	
Barium as Ba	mg/Kg	34	
Cadmium as Cd	mg/Kg	<0.12	
Chromium as Cr	mg/Kg	11	
Lead as Pb	mg/Kg	4.0	
Mercury as Hg	mg/Kg	0.032	
Selenium as Se	mg/Kg	<0.49	
Silver as Ag	mg/Kg	<0.11	

cc:

REMARKS: Results reported on a dry weight basis.
Corrected Report.

DIRECTOR

rn= 6379 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971043/5 03/25/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008117.002
COLLECTED BY: Client DATE COL'D:03/12/97 RECEIVED:03/12/97

SAMPLE: Soil sample, S-1-5

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Diesel	ug/Kg	<240	
#2 Fuel Oil	ug/Kg	<240	
#4 Fuel Oil	ug/Kg	<240	
#6 Fuel Oil	ug/Kg	<240	
Lubricating Oil	ug/Kg	<240	
Mineral Spirits	ug/Kg	<240	
JP4	ug/Kg	<240	
JP5	ug/Kg	<240	
Jet A	ug/Kg	<240	
Kerosene	ug/Kg	<240	

cc:

REMARKS: Analyses performed by Modified 8015 Method.
Diesel Range Organics.
Results reported on a dry weight basis.
Corrected Report.

DIRECTOR

rn= 6960 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971043/6 03/25/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008117.002
COLLECTED BY: Client DATE COL'D:03/12/97 RECEIVED:03/12/97

SAMPLE: Soil sample, S-1-6

ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<1.1
Vinyl Chloride	ug/Kg	<1.1
Bromomethane	ug/Kg	<1.1
Chloroethane	ug/Kg	<1.1
Trichlorofluomethane	ug/Kg	<1.1
1,1 Dichloroethene	ug/Kg	<1.1
Methylene Chloride	ug/Kg	<1.1
t-1,2-Dichloroethene	ug/Kg	<1.1
1,1 Dichloroethane	ug/Kg	<1.1
Chloroform	ug/Kg	<1.1
111 Trichloroethane	ug/Kg	<1.1
Carbon Tetrachloride	ug/Kg	<1.1
Benzene	ug/Kg	<1.1
1,2 Dichloroethane	ug/Kg	<1.1
Trichloroethene	ug/Kg	<1.1
1,2 Dichloropropane	ug/Kg	<1.1
Bromodichloromethane	ug/Kg	<1.1
2chloroethvinylether	ug/Kg	<1.1
t-1,3Dichloropropene	ug/Kg	<1.1
Toluene	ug/Kg	<1.1
c-1,3Dichloropropene	ug/Kg	<1.1
112 Trichloroethane	ug/Kg	<1.1
Tetrachloroethene	ug/Kg	<1.1
Chlorodibromomethane	ug/Kg	<1.1
Chlorobenzene	ug/Kg	<1.1

ANALYTICAL PARAMETERS		
Ethyl Benzene	ug/Kg	<1.1
m + p Xylene	ug/Kg	<2.2
o Xylene	ug/Kg	<1.1
Bromoform	ug/Kg	<1.1
1122Tetrachloroethan	ug/Kg	<1.1
1,2 Dichlorobenzene	ug/Kg	<1.1
1,3 Dichlorobenzene	ug/Kg	<1.1
1,4 Dichlorobenzene	ug/Kg	<1.1
Isopropylbenzene	ug/Kg	<1.1
n-Propylbenzene	ug/Kg	<1.1
p-Isopropyltoluene	ug/Kg	<1.1
124-Trimethylbenzene	ug/Kg	<1.1
135-Trimethylbenzene	ug/Kg	<1.1
n-Butylbenzene	ug/Kg	<1.1
sec-Butylbenzene	ug/Kg	<1.1
Naphthalene	ug/Kg	<1.1
ter.ButylMethylEther	ug/Kg	<1.1
% Solids		89
tert-Butylbenzene	ug/Kg	<1.1

cc:

REMARKS: Analysis was performed by GC/MS, EPA Method 8260.
Results reported on a dry weight basis.
Corrected Report.

DIRECTOR

rn= 6380 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971043/6 03/25/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008117.002
COLLECTED BY: Client DATE COL'D:03/12/97 RECEIVED:03/12/97

SAMPLE: Soil sample, S-1-6

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons	mg/Kg 12	

cc:

REMARKS:
Results reported on a dry weight basis.
Corrected Report.

DIRECTOR

rn= 6381 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971043/6 03/25/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008117.002
COLLECTED BY: Client DATE COL'D:03/12/97 RECEIVED:03/12/97

SAMPLE: Soil sample, S-1-6

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	8.1	
Barium as Ba	mg/Kg	10	
Cadmium as Cd	mg/Kg	<0.11	
Chromium as Cr	mg/Kg	5.1	
Lead as Pb	mg/Kg	6.4	
Mercury as Hg	mg/Kg	0.016	
Selenium as Se	mg/Kg	<0.45	
Silver as Ag	mg/Kg	<0.11	

cc:

REMARKS: Results reported on a dry weight basis.
Corrected Report.

DIRECTOR

rn= 6382 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971043/6 03/25/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008117.002
COLLECTED BY: Client DATE COL'D:03/12/97 RECEIVED:03/12/97

SAMPLE: Soil sample, S-1-6

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Diesel	ug/Kg	<220	
#2 Fuel Oil	ug/Kg	<220	
#4 Fuel Oil	ug/Kg	<220	
#6 Fuel Oil	ug/Kg	<220	
Lubricating Oil	ug/Kg	<220	
Mineral Spirits	ug/Kg	<220	
JP4	ug/Kg	<220	
JP5	ug/Kg	<220	
Jet A	ug/Kg	<220	
Kerosene	ug/Kg	<220	

cc:

REMARKS: Analyses performed by Modified 8015 Method.
Diesel Range Organics.
Results reported on a dry weight basis.
Corrected Report.

DIRECTOR

rn= 6961 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971043/7 03/25/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008117.002
COLLECTED BY: Client DATE COL'D:03/12/97 RECEIVED:03/12/97

SAMPLE: Soil sample, S-1-12

ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<1.3
Vinyl Chloride	ug/Kg	<1.3
Bromomethane	ug/Kg	<1.3
Chloroethane	ug/Kg	<1.3
Trichlorofluomethane	ug/Kg	<1.3
1,1 Dichloroethene	ug/Kg	<1.3
Methylene Chloride	ug/Kg	<1.3
t-1,2-Dichloroethene	ug/Kg	<1.3
1,1 Dichloroethane	ug/Kg	<1.3
Chloroform	ug/Kg	<1.3
111 Trichloroethane	ug/Kg	<1.3
Carbon Tetrachloride	ug/Kg	<1.3
Benzene	ug/Kg	<1.3
1,2 Dichloroethane	ug/Kg	<1.3
Trichloroethene	ug/Kg	<1.3
1,2 Dichloropropane	ug/Kg	<1.3
Bromodichloromethane	ug/Kg	<1.3
2chloroethvinylether	ug/Kg	<1.3
t-1,3Dichloropropene	ug/Kg	<1.3
Toluene	ug/Kg	<1.3
c-1,3Dichloropropene	ug/Kg	<1.3
112 Trichloroethane	ug/Kg	<1.3
Tetrachloroethene	ug/Kg	<1.3
Chlorodibromomethane	ug/Kg	<1.3
Chlorobenzene	ug/Kg	<1.3

ANALYTICAL PARAMETERS		
Ethyl Benzene	ug/Kg	<1.3
m + p Xylene	ug/Kg	<2.5
o Xylene	ug/Kg	<1.3
Bromoform	ug/Kg	<1.3
1122Tetrachloroethan	ug/Kg	<1.3
1,2 Dichlorobenzene	ug/Kg	<1.3
1,3 Dichlorobenzene	ug/Kg	<1.3
1,4 Dichlorobenzene	ug/Kg	<1.3
Isopropylbenzene	ug/Kg	<1.3
n-Propylbenzene	ug/Kg	<1.3
p-Isopropyltoluene	ug/Kg	<1.3
124-Trimethylbenzene	ug/Kg	<1.3
135-Trimethylbenzene	ug/Kg	<1.3
n-Butylbenzene	ug/Kg	<1.3
sec-Butylbenzene	ug/Kg	<1.3
Naphthalene	ug/Kg	<1.3
ter.ButylMethylEther	ug/Kg	<1.3
% Solids		80
tert-Butylbenzene	ug/Kg	<1.3

cc:

REMARKS: Analysis was performed by GC/MS, EPA Method 8260.
Results reported on a dry weight basis.
Corrected Report.

DIRECTOR

rn= 6384 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971043/7 03/25/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008117.002
COLLECTED BY: Client DATE COL'D:03/12/97 RECEIVED:03/12/97

SAMPLE: Soil sample, S-1-12

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons	mg/Kg 16	

cc:

REMARKS: Results reported on a dry weight basis.
Corrected Report.

DIRECTOR

rn= 6385 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971043/7 03/25/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008117.002
COLLECTED BY: Client DATE COL'D:03/12/97 RECEIVED:03/12/97

SAMPLE: Soil sample, S-1-12

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	12	
Barium as Ba	mg/Kg	25	
Cadmium as Cd	mg/Kg	0.18	
Chromium as Cr	mg/Kg	11	
Lead as Pb	mg/Kg	39	
Mercury as Hg	mg/Kg	0.31	
Selenium as Se	mg/Kg	<0.50	
Silver as Ag	mg/Kg	<0.13	

cc:

REMARKS: Sample reanalyzed for Mercury on 03/21/97, results on dry weight basis: Replicate #1 = 0.12 mg/Kg, Replicate #2 = 0.15 mg/Kg.
Results reported on a dry weight basis.
Corrected Report.

DIRECTOR

rn= 6386 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971043/7 03/25/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008117.002
COLLECTED BY: Client DATE COL'D:03/12/97 RECEIVED:03/12/97

SAMPLE: Soil sample, S-1-12

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
2,4-D	ug/Kg	<13	
Dalapon	ug/Kg	<130	
Dicamba	ug/Kg	<100	
Dinoseb	ug/Kg	<25	
Pentachlorophenol	ug/Kg	<5	
Pichloram	ug/Kg	<13	
2,4,5-TP	ug/Kg	<6.2	

cc:

REMARKS: Results reported on a dry weight basis.
Corrected Report.

DIRECTOR

rn= 6387 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971043/7 03/25/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008117.002
COLLECTED BY: Client DATE COL'D:03/12/97 RECEIVED:03/12/97

SAMPLE: Soil sample, S-1-12

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Diesel	ug/Kg	<250	
#2 Fuel Oil	ug/Kg	<250	
#4 Fuel Oil	ug/Kg	<250	
#6 Fuel Oil	ug/Kg	<250	
Lubricating Oil	ug/Kg	<250	
Mineral Spirits	ug/Kg	<250	
JP4	ug/Kg	<250	
JP5	ug/Kg	<250	
Jet A	ug/Kg	<250	
Kerosene	ug/Kg	<250	

cc:

REMARKS: Analyses performed by Modified 8015 Method.
Diesel Range Organics.
Resukts reported on a dry weight basis.
Corrected Report.

DIRECTOR

rn= 6962 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971043/8 03/25/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008117.002
COLLECTED BY: Client DATE COL'D:03/12/97 RECEIVED:03/12/97

SAMPLE: Soil sample, S-1-15

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
2,4-D	ug/Kg	<12	
Dalapon	ug/Kg	<120	
Dicamba	ug/Kg	<96	
Dinoseb	ug/Kg	<24	
Pentachlorophenol	ug/Kg	<4.8	
Pichloram	ug/Kg	<12	
2,4,5-TP	ug/Kg	<6	
Aroclor 1016	ug/Kg	<48	
Aroclor 1221	ug/Kg	<48	
Aroclor 1232	ug/Kg	<48	
Aroclor 1242	ug/Kg	<48	
Aroclor 1248	ug/Kg	<48	
Aroclor 1254	ug/Kg	<48	
Aroclor 1260	ug/Kg	<48	

cc:

REMARKS: Results reported on a dry weight basis.
Corrected Report.

DIRECTOR

rn= 6383 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971043/8 03/25/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008117.002
COLLECTED BY: Client DATE COL'D:03/12/97 RECEIVED:03/12/97

SAMPLE: Soil sample, S-1-15

ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<1.2
Vinyl Chloride	ug/Kg	<1.2
Bromomethane	ug/Kg	<1.2
Chloroethane	ug/Kg	<1.2
Trichlorofluomethane	ug/Kg	<1.2
1,1 Dichloroethene	ug/Kg	<1.2
Methylene Chloride	ug/Kg	1.2
t-1,2-Dichloroethene	ug/Kg	<1.2
1,1 Dichloroethane	ug/Kg	<1.2
Chloroform	ug/Kg	<1.2
111 Trichloroethane	ug/Kg	<1.2
Carbon Tetrachloride	ug/Kg	<1.2
Benzene	ug/Kg	<1.2
1,2 Dichloroethane	ug/Kg	<1.2
Trichloroethene	ug/Kg	<1.2
1,2 Dichloropropane	ug/Kg	<1.2
Bromodichloromethane	ug/Kg	<1.2
2chloroethvinylether	ug/Kg	<1.2
t-1,3Dichloropropene	ug/Kg	<1.2
Toluene	ug/Kg	<1.2
c-1,3Dichloropropene	ug/Kg	<1.2
112 Trichloroethane	ug/Kg	<1.2
Tetrachloroethene	ug/Kg	<1.2
Chlorodibromomethane	ug/Kg	<1.2
Chlorobenzene	ug/Kg	<1.2

ANALYTICAL PARAMETERS		
Ethyl Benzene	ug/Kg	<1.2
m + p Xylene	ug/Kg	<2.4
o Xylene	ug/Kg	<1.2
Bromoform	ug/Kg	<1.2
1122Tetrachloroethan	ug/Kg	<1.2
1,2 Dichlorobenzene	ug/Kg	<1.2
1,3 Dichlorobenzene	ug/Kg	<1.2
1,4 Dichlorobenzene	ug/Kg	<1.2
Isopropylbenzene	ug/Kg	<1.2
n-Propylbenzene	ug/Kg	<1.2
p-Isopropyltoluene	ug/Kg	<1.2
124-Trimethylbenzene	ug/Kg	<1.2
135-Trimethylbenzene	ug/Kg	<1.2
n-Butylbenzene	ug/Kg	<1.2
sec-Butylbenzene	ug/Kg	<1.2
Naphthalene	ug/Kg	<1.2
ter.ButylMethylEther	ug/Kg	<1.2
% Solids		83
tert-Butylbenzene	ug/Kg	<1.2

cc:

REMARKS: Analysis was performed by GC/MS, EPA Method 8260.
Results reported on a dry weight basis.
Corrected Report.

DIRECTOR

rn= 6388 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971043/8 03/25/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008117.002
COLLECTED BY: Client DATE COL'D:03/12/97 RECEIVED:03/12/97

SAMPLE: Soil sample, S-1-15

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons	mg/Kg 140	

cc:

REMARKS: Results reported on a dry weight basis.
Corrected Report.

DIRECTOR

rn= 6389 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971043/8 03/25/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008117.002
COLLECTED BY: Client DATE COL'D:03/12/97 RECEIVED:03/12/97

SAMPLE: Soil sample, S-1-15

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	7.6	
Barium as Ba	mg/Kg	27	
Cadmium as Cd	mg/Kg	<0.12	
Chromium as Cr	mg/Kg	12	
Lead as Pb	mg/Kg	4.2	
Mercury as Hg	mg/Kg	0.17	
Selenium as Se	mg/Kg	<0.48	
Silver as Ag	mg/Kg	<0.12	

cc:

REMARKS: Results reported on a dry weight basis.
Corrected Report.

DIRECTOR

rn= 6390 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971043/8 03/25/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008117.002
COLLECTED BY: Client DATE COL'D:03/12/97 RECEIVED:03/12/97

SAMPLE: Soil sample, S-1-15

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Diesel	ug/Kg	<240	
#2 Fuel Oil	ug/Kg	<240	
#4 Fuel Oil	ug/Kg	<240	
#6 Fuel Oil	ug/Kg	<240	
Lubricating Oil	ug/Kg	<240	
Mineral Spirits	ug/Kg	<240	
JP4	ug/Kg	<240	
JP5	ug/Kg	<240	
Jet A	ug/Kg	<240	
Kerosene	ug/Kg	<240	

cc:

REMARKS: Analyses performed by Modified 8015 Method.
Diesel Range Organics.
Results reported on a dry weight basis.
Corrected Report.

DIRECTOR

rn= 6963 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971101/4 03/28/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008115.002
COLLECTED BY: Client DATE COL'D:03/14/97 RECEIVED:03/14/97

SAMPLE: Soil sample, S1-13, (0-4)

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Diesel	ug/Kg	830*	
#2 Fuel Oil	ug/Kg	<240	
#4 Fuel Oil	ug/Kg	<240	
#6 Fuel Oil	ug/Kg	<240	
Lubricating Oil	ug/Kg	2700*	
Mineral Spirits	ug/Kg	<240	
JP4	ug/Kg	<240	
JP5	ug/Kg	<240	
Jet A	ug/Kg	<240	
Kerosene	ug/Kg	<240	

cc:

REMARKS: Analyses performed by Modified 8015 Method, DRO.
Results reported on dry weight basis.
* GC analysis indicates sample contains products for which closest match found is a mixture of very weathered #2 Fuel Oil or very weathered Diesel Fuel Oil and Lubricating Oil.
Quality of match = Good for Fuel Oil; Good for Lube Oil.

DIRECTOR

rn= 7349 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971101/4 03/28/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008115.002
COLLECTED BY: Client DATE COL'D:03/14/97 RECEIVED:03/14/97

SAMPLE: Soil sample, S1-13, (0-4)
UNITS: ug/Kg

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<36	
Acenaphthene	<36	
Fluorene	<36	
Phenanthrene	210	
Anthracene	37	
Fluoranthene	540	
Pyrene	550	
Benzo(a)anthracene	130	
Chrysene	130	
Benzo(b)fluoranthene	65^^	
Benzo(k)fluoranthene	65^^	
Benzo(a)pyrene	100	
Dibenzo(a,h)anthracene	<36	
Indeno(1,2,3-cd)pyrene	<36	
Benzo(ghi)perylene	<36	

cc:

REMARKS: ^^Total = 110 ug/Kg, unable to separate isomers.
Results reported on dry weight basis.

DIRECTOR

rn= 7949 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971101/4 03/28/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008115.002, TCLPSTARBN
COLLECTED BY: Client DATE COL'D:03/14/97 RECEIVED:03/14/97

SAMPLE: Soil sample, S1-13, (0-4)
UNITS: ug/L*

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<10	
Acenaphthene	<10	
Fluorene	<10	
Phenanthrene	<10	
Anthracene	<10	
Fluoranthene	<10	
Pyrene	<10	
Benzo(a)anthracene	<10	
Chrysene	<10	
Benzo(b)fluoranthene	<10	
Benzo(k)fluoranthene	<10	
Benzo(a)pyrene	<10	
Indeno(1,2,3-cd)pyrene	<10	
Dibenzo(a,h)anthracene	<10	
Benzo(ghi)perylene	<10	

cc:

REMARKS: * Analysis performed on TCLP Leachate according to USEPA Method 1311.

DIRECTOR

rn= 7953 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971101/4 03/28/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008115.002
COLLECTED BY: Client DATE COL'D:03/14/97 RECEIVED:03/14/97

SAMPLE: Soil sample, S1-13, (0-4)

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
2,4-D	ug/Kg	<12	
Dalapon	ug/Kg	<120	
Dicamba	ug/Kg	<95	
Dinoseb	ug/Kg	<24	
Pentachlorophenol	ug/Kg	<5	
Pichloram	ug/Kg	<12	
2,4,5-TP	ug/Kg	<6	
Aroclor 1016	ug/Kg	<48	
Aroclor 1221	ug/Kg	<48	
Aroclor 1232	ug/Kg	<48	
Aroclor 1242	ug/Kg	<48	
Aroclor 1248	ug/Kg	<48	
Aroclor 1254	ug/Kg	<48	
Aroclor 1260	ug/Kg	<48	

cc:

REMARKS:
Results reported on dry weight basis.

DIRECTOR

rn= 7048 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971101/4 03/28/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008115.002
COLLECTED BY: Client DATE COL'D:03/14/97 RECEIVED:03/14/97

SAMPLE: Soil sample, S1-13, (0-4)

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons mg/Kg	10000	

cc:

REMARKS:
Results reported on dry weight basis.

DIRECTOR

rn= 7046 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971101/4 03/28/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008115.002
COLLECTED BY: Client DATE COL'D:03/14/97 RECEIVED:03/14/97

SAMPLE: Soil sample, S1-13, (0-4)

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	6.0	
Barium as Ba	mg/Kg	23	
Cadmium as Cd	mg/Kg	0.23	
Chromium as Cr	mg/Kg	10	
Lead as Pb	mg/Kg	33	
Mercury as Hg	mg/Kg	0.13	
Selenium as Se	mg/Kg	0.50	
Silver as Ag	mg/Kg	<0.12	

cc:

REMARKS:
Results reported on dry weight basis.

DIRECTOR

rn= 7047 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971101/4 03/28/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008115.002
COLLECTED BY: Client DATE COL'D:03/14/97 RECEIVED:03/14/97

SAMPLE: Soil sample, S1-13, (0-4)

ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<1
Vinyl Chloride	ug/Kg	<1
Bromomethane	ug/Kg	<1
Chloroethane	ug/Kg	<1
Trichlorofluomethane	ug/Kg	<1
1,1 Dichloroethene	ug/Kg	<1
Methylene Chloride	ug/Kg	<1
t-1,2-Dichloroethene	ug/Kg	<1
1,1 Dichloroethane	ug/Kg	<1
Chloroform	ug/Kg	<1
111 Trichloroethane	ug/Kg	<1
Carbon Tetrachloride	ug/Kg	<1
Benzene	ug/Kg	<1
1,2 Dichloroethane	ug/Kg	<1
Trichloroethene	ug/Kg	<1
1,2 Dichloropropane	ug/Kg	<1
Bromodichloromethane	ug/Kg	<1
2chloroethvinylether	ug/Kg	<1
t-1,3Dichloropropene	ug/Kg	<1
Toluene	ug/Kg	<1
c-1,3Dichloropropene	ug/Kg	<1
112 Trichloroethane	ug/Kg	<1
Tetrachloroethene	ug/Kg	<1
Chlorodibromomethane	ug/Kg	<1
Chlorobenzene	ug/Kg	<1

ANALYTICAL PARAMETERS		
Ethyl Benzene	ug/Kg	<1
m + p Xylene	ug/Kg	<2
o Xylene	ug/Kg	<1
Bromoform	ug/Kg	<1
1122Tetrachloroethan	ug/Kg	<1
1,2 Dichlorobenzene	ug/Kg	<1
1,3 Dichlorobenzene	ug/Kg	<1
1,4 Dichlorobenzene	ug/Kg	<1
Isopropylbenzene	ug/Kg	<1
n-Propylbenzene	ug/Kg	<1
p-Isopropyltoluene	ug/Kg	<1
124-Trimethylbenzene	ug/Kg	<1
135-Trimethylbenzene	ug/Kg	<1
n-Butylbenzene	ug/Kg	<1
sec-Butylbenzene	ug/Kg	<1
Naphthalene	ug/Kg	<1
ter.ButylMethylEther	ug/Kg	<1
% Solids		84
tert-Butylbenzene	ug/Kg	<1

cc:

REMARKS: Analysis was performed by GC/MS, EPA Method 8260.
Results reported on dry weight basis.

DIRECTOR

rn= 7045 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971850/1 05/05/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-12, 0-1

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Mercury as Hg	mg/Kg	0.17	
% Solids		82	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12245 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971850/3 05/05/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-12, 2-4

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Mercury as Hg	mg/Kg	0.023	
% Solids		84	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12247 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971849/1 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-17, 0-2

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons mg/Kg	42	
% Solids	97	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12233 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971849/1 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-17, 0-2

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Aroclor 1016	ug/Kg	<830*	
Aroclor 1221	ug/Kg	<830*	
Aroclor 1232	ug/Kg	<830*	
Aroclor 1242	ug/Kg	<830*	
Aroclor 1248	ug/Kg	<830*	
Aroclor 1254	ug/Kg	<830*	
Aroclor 1260	ug/Kg	<830*	

cc:

REMARKS: Results reported on a dry weight basis.
* Chlordane interference prevented analysis to a lower detection limit.

DIRECTOR

rn= 12234 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971850/2 05/05/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-12, 1-2

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Mercury as Hg	mg/Kg	0.039	
% Solids		90	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12246 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971849/1 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-17, 0-2
UNITS: ug/Kg

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<31	
Acenaphthene	<31	
Fluorene	<31	
Phenanthrene	<31	
Anthracene	<31	
Fluoranthene	130	
Pyrene	150	
Benzo(a)anthracene	140	
Chrysene	500	
Benzo(b)fluoranthene	315^^	
Benzo(k)fluoranthene	315^^	
Benzo(a)pyrene	77	
Dibenzo(a,h)anthracene	40	
Indeno(1,2,3-cd)pyrene	100	
Benzo(ghi)perylene	140	

cc:

REMARKS: Results reported on a dry weight basis.
^^Total = 630 ug/Kg, unable to separate isomers.

DIRECTOR

rn= 12235 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971849/1 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-17, 0-2

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Diesel	ug/Kg	<210	
#2 Fuel Oil	ug/Kg	<210	
#4 Fuel Oil	ug/Kg	<210	
#6 Fuel Oil	ug/Kg	<210	
Lubricating Oil	ug/Kg	38000*	
Mineral Spirits	ug/Kg	<210	
JP4	ug/Kg	<210	
JP5	ug/Kg	<210	
Jet A	ug/Kg	<210	
Kerosene	ug/Kg	<210	

cc:

REMARKS: Results reported on a dry weight basis.
Analyses performed by Modified 8015 Method.
Diesel Range Organics.
*GC analysis indicates sample contains product for which closest match found is #2 Fuel Oil.
Quality of match = Excellent.

DIRECTOR

rn= 12413 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971849/1 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006, TCLPSTARBN
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-17, 0-2
UNITS: ug/L*

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<10	
Acenaphthene	<10	
Fluorene	<10	
Phenanthrene	<10	
Anthracene	<10	
Fluoranthene	<10	
Pyrene	<10	
Benzo(a)anthracene	<10	
Chrysene	<10	
Benzo(b)fluoranthene	<10	
Benzo(k)fluoranthene	<10	
Benzo(a)pyrene	<10	
Indeno(1,2,3-cd)pyrene	<10	
Dibenzo(a,h)anthracene	<10	
Benzo(ghi)perylene	<10	

cc:

REMARKS: * Analysis performed on TCLP Leachate according to USEPA Method 1311.

DIRECTOR

rn= 12607 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971849/2 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-17, 2-4

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons mg/Kg	14	
% Solids	96	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12236 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971849/2 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-17, 2-4

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Aroclor 1016	ug/Kg	<42	
Aroclor 1221	ug/Kg	<42	
Aroclor 1232	ug/Kg	<42	
Aroclor 1242	ug/Kg	<42	
Aroclor 1248	ug/Kg	<42	
Aroclor 1254	ug/Kg	<42	
Aroclor 1260	ug/Kg	<42	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12237 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971849/2 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-17, 2-4
UNITS: ug/Kg

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<31	
Acenaphthene	<31	
Fluorene	<31	
Phenanthrene	<31	
Anthracene	<31	
Fluoranthene	<31	
Pyrene	<31	
Benzo(a)anthracene	<31	
Chrysene	<31	
Benzo(b)fluoranthene	<31	
Benzo(k)fluoranthene	<31	
Benzo(a)pyrene	<31	
Dibenzo(a,h)anthracene	<31	
Indeno(1,2,3-cd)pyrene	<31	
Benzo(ghi)perylene	<31	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12238 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971849/2 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-17, 2-4

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Diesel	ug/Kg	<210	
#2 Fuel Oil	ug/Kg	<210	
#4 Fuel Oil	ug/Kg	<210	
#6 Fuel Oil	ug/Kg	<210	
Lubricating Oil	ug/Kg	<210	
Mineral Spirits	ug/Kg	<210	
JP4	ug/Kg	<210	
JP5	ug/Kg	<210	
Jet A	ug/Kg	<210	
Kerosene	ug/Kg	<210	

cc:

REMARKS: Results reported on a dry weight basis.
Analyses performed by Modified 8015 Method.
Diesel Range Organics.

DIRECTOR

rn= 12414 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971849/3 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-18, 0-2

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons mg/Kg	22	
% Solids	82	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12239 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971849/3 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-18, 0-2

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	4.4	
Barium as Ba	mg/Kg	25	
Cadmium as Cd	mg/Kg	<0.12	
Chromium as Cr	mg/Kg	12	
Lead as Pb	mg/Kg	7.7	
Mercury as Hg	mg/Kg	0.040	
Selenium as Se	mg/Kg	<0.49	
Silver as Ag	mg/Kg	<0.12	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12240 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971849/3 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-18, 0-2
UNITS: ug/Kg

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<37	
Acenaphthene	<37	
Fluorene	<37	
Phenanthrene	<37	
Anthracene	<37	
Fluoranthene	<37	
Pyrene	<37	
Benzo(a)anthracene	<37	
Chrysene	<37	
Benzo(b)fluoranthene	<37	
Benzo(k)fluoranthene	<37	
Benzo(a)pyrene	<37	
Dibenzo(a,h)anthracene	<37	
Indeno(1,2,3-cd)pyrene	<37	
Benzo(ghi)perylene	<37	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12241 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971849/3 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-18, 0-2

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Diesel	ug/Kg	<240	
#2 Fuel Oil	ug/Kg	<240	
#4 Fuel Oil	ug/Kg	<240	
#6 Fuel Oil	ug/Kg	<240	
Lubricating Oil	ug/Kg	<240	
Mineral Spirits	ug/Kg	<240	
JP4	ug/Kg	<240	
JP5	ug/Kg	<240	
Jet A	ug/Kg	<240	
Kerosene	ug/Kg	<240	

cc:

REMARKS: Results reported on a dry weight basis.
Analyses performed by Modified 8015 Method.
Diesel Range Organics.

DIRECTOR

rn= 12415 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971849/4 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-18, 2-4

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons mg/Kg	16	
% Solids	95	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR _____

rn= 12242 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971849/4 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-18, 2-4

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	0.94	
Barium as Ba	mg/Kg	3.8	
Cadmium as Cd	mg/Kg	<0.11	
Chromium as Cr	mg/Kg	4.8	
Lead as Pb	mg/Kg	<1.1	
Mercury as Hg	mg/Kg	0.0052	
Selenium as Se	mg/Kg	<0.42	
Silver as Ag	mg/Kg	<0.11	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12243 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971849/4 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-18, 2-4
UNITS: ug/Kg

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<32	
Acenaphthene	<32	
Fluorene	<32	
Phenanthrene	<32	
Anthracene	<32	
Fluoranthene	<32	
Pyrene	<32	
Benzo(a)anthracene	<32	
Chrysene	<32	
Benzo(b)fluoranthene	<32	
Benzo(k)fluoranthene	<32	
Benzo(a)pyrene	<32	
Dibenzo(a,h)anthracene	<32	
Indeno(1,2,3-cd)pyrene	<32	
Benzo(ghi)perylene	<32	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12244 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971849/4 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-18, 2-4

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Diesel	ug/Kg	<210	
#2 Fuel Oil	ug/Kg	<210	
#4 Fuel Oil	ug/Kg	<210	
#6 Fuel Oil	ug/Kg	<210	
Lubricating Oil	ug/Kg	<210	
Mineral Spirits	ug/Kg	<210	
JP4	ug/Kg	<210	
JP5	ug/Kg	<210	
Jet A	ug/Kg	<210	
Kerosene	ug/Kg	<210	

cc:

REMARKS: Results reported on a dry weight basis.
Analyses performed by Modified 8015 Method.
Diesel Range Organics.

DIRECTOR

rn= 12416 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971883/10 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008132.006
COLLECTED BY: Client DATE COL'D:04/30/97 RECEIVED:05/01/97

SAMPLE: Soil sample, S1-13, 0-1
UNITS: ug/Kg

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<34	
Acenaphthene	100	
Fluorene	190	
Phenanthrene	7000	
Anthracene	1000	
Fluoranthene	18000	
Pyrene	20000	
Benzo(a)anthracene	6700	
Chrysene	7700	
Benzo(b)fluoranthene	6500^^	
Benzo(k)fluoranthene	6500^^	
Benzo(a)pyrene	7000	
Dibenzo(a,h)anthracene	1200	
Indeno(1,2,3-cd)pyrene	3200	
Benzo(ghi)perylene	3300	
% Solids	87	

cc:

REMARKS: EPA Method 8270.
^^Total = 13000 ug/Kg, unable to separate isomers.

DIRECTOR

Lan= 12444 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971883/10 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008132.006
COLLECTED BY: Client DATE COL'D:04/30/97 RECEIVED:05/01/97

SAMPLE: Soil sample, S1-13, 0-1
UNITS: ug/L*

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<10	
Acenaphthene	<10	
Fluorene	<10	
Phenanthrene	<10	
Anthracene	<10	
Fluoranthene	<10	
Pyrene	<10	
Benzo(a)anthracene	<10	
Chrysene	<10	
Benzo(b)fluoranthene	<10	
Benzo(k)fluoranthene	<10	
Benzo(a)pyrene	<10	
Indeno(1,2,3-cd)pyrene	<10	
Dibenzo(a,h)anthracene	<10	
Benzo(ghi)perylene	<10	

cc:

REMARKS: * Analysis performed on TCLP Leachate according to USEPA Method 1311.

DIRECTOR

rn= 12445 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971883/11 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008132.006
COLLECTED BY: Client DATE COL'D:04/30/97 RECEIVED:05/01/97

SAMPLE: Soil sample, S1-13, 1-2
UNITS: ug/Kg

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<33	
Acenaphthene	<33	
Fluorene	43	
Phenanthrene	1700	
Anthracene	290	
Fluoranthene	4600	
Pyrene	4400	
Benzo(a)anthracene	1700	
Chrysene	1900	
Benzo(b)fluoranthene	1950^^	
Benzo(k)fluoranthene	1950^^	
Benzo(a)pyrene	1900	
Dibenzo(a,h)anthracene	270^	
Indeno(1,2,3-cd)pyrene	770	
Benzo(ghi)perylene	770	
% Solids	90	

cc:

REMARKS: EPA Method 8270.
Results reported on a dry weight basis.
^Reported below quantification limit.
^^Total = 3900 ug/Kg, unable to separate isomers.

DIRECTOR

rn= 12446 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971883/11 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008132.006
COLLECTED BY: Client DATE COL'D:04/30/97 RECEIVED:05/01/97

SAMPLE: Soil sample, S1-13, 1-2
UNITS: ug/L*

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<10	
Acenaphthene	<10	
Fluorene	<10	
Phenanthrene	<10	
Anthracene	<10	
Fluoranthene	<10	
Pyrene	<10	
Benzo(a)anthracene	<10	
Chrysene	<10	
Benzo(b)fluoranthene	<10	
Benzo(k)fluoranthene	<10	
Benzo(a)pyrene	<10	
Indeno(1,2,3-cd)pyrene	<10	
Dibenzo(a,h)anthracene	<10	
Benzo(ghi)perylene	<10	

cc:

REMARKS: * Analysis performed on TCLP Leachate according to USEPA Method 1311.

DIRECTOR

rn= 12447 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971883/12 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008132.006
COLLECTED BY: Client DATE COL'D:04/30/97 RECEIVED:05/01/97

SAMPLE: Soil sample, S1-13, 2-4
UNITS: ug/Kg

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<34	
Acenaphthene	<34	
Fluorene	<34	
Phenanthrene	260	
Anthracene	48	
Fluoranthene	260	
Pyrene	270	
Benzo(a)anthracene	92	
Chrysene	110	
Benzo(b)fluoranthene	85^^	
Benzo(k)fluoranthene	85^^	
Benzo(a)pyrene	80	
Dibenzo(a,h)anthracene	<34	
Indeno(1,2,3-cd)pyrene	<34	
Benzo(ghi)perylene	<34	
% Solids	88	

cc:

REMARKS: EPA Method 8270.
Results reported on a dry weight basis.
^^Total = 170 ug/Kg, unable to separate isomers.

DIRECTOR

rn= 12448 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971883/12 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008132.006
COLLECTED BY: Client DATE COL'D:04/30/97 RECEIVED:05/01/97

SAMPLE: Soil sample, S1-13, 2-4
UNITS: ug/L*

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<10	
Acenaphthene	<10	
Fluorene	<10	
Phenanthrene	<10	
Anthracene	<10	
Fluoranthene	<10	
Pyrene	<10	
Benzo(a)anthracene	<10	
Chrysene	<10	
Benzo(b)fluoranthene	<10	
Benzo(k)fluoranthene	<10	
Benzo(a)pyrene	<10	
Indeno(1,2,3-cd)pyrene	<10	
Dibenzo(a,h)anthracene	<10	
Benzo(ghi)perylene	<10	

cc:

REMARKS: * Analysis performed on TCLP Leachate according to USEPA Method 1311.

DIRECTOR

rn= 12449 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

05/13/97

LAB NO.C971883/13

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008132.006
COLLECTED BY: Client DATE COL'D:04/30/97 RECEIVED:05/01/97

SAMPLE: Soil sample, S1-13W, 0-1
UNITS: ug/Kg

ANALYTICAL PARAMETERS	ANALYTICAL PARAMETERS
Naphthalene	<35
Acenaphthene	52
Fluorene	58
Phenanthrene	1900
Anthracene	360
Fluoranthene	5600
Pyrene	5100
Benzo(a)anthracene	2200
Chrysene	2600
Benzo(b)fluoranthene	1850^^
Benzo(k)fluoranthene	1850^^
Benzo(a)pyrene	2100
Dibenzo(a,h)anthracene	320^
Indeno(1,2,3-cd)pyrene	960
Benzo(ghi)perylene	1000
% Solids	85

cc:

REMARKS: EPA Method 8270.
Results reported on a dry weight basis.
^Reported below quantification limit.
^^Total = 3700 ug/Kg, unable to separate isomers.

DIRECTOR

rn= 12450 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971883/13 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008132.006
COLLECTED BY: Client DATE COL'D:04/30/97 RECEIVED:05/01/97

SAMPLE: Soil sample, S1-13W, 0-1
UNITS: ug/L*

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<10	
Acenaphthene	<10	
Fluorene	<10	
Phenanthrene	<10	
Anthracene	<10	
Fluoranthene	<10	
Pyrene	<10	
Benzo(a)anthracene	<10	
Chrysene	<10	
Benzo(b)fluoranthene	<10	
Benzo(k)fluoranthene	<10	
Benzo(a)pyrene	<10	
Indeno(1,2,3-cd)pyrene	<10	
Dibenzo(a,h)anthracene	<10	
Benzo(ghi)perylene	<10	

cc:

REMARKS: * Analysis performed on TCLP Leachate according to USEPA Method 1311.

DIRECTOR

rn= 12451 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971883/14 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008132.006
COLLECTED BY: Client DATE COL'D:04/30/97 RECEIVED:05/01/97

SAMPLE: Soil sample, S1-13W, 1-2
UNITS: ug/Kg

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
aphthalene	<37	
cenaphthene	<37	
Fluorene	<37	
Phenanthrene	680	
nthracene	120	
luoranthene	1700	
Pyrene	2300	
enzo(a)anthracene	700	
hrysene	760	
Benzo(b)fluoranthene	700^^	
Benzo(k)fluoranthene	700^^	
enzo(a)pyrene	730	
ibenzo(a,h)anthracene	<370	
Indeno(1,2,3-cd)pyrene	250^	
enzo(ghi)perylene	250^	
% Solids	82	

cc:

REMARKS: EPA Method 8270.
Results reported on a dry weight basis.
^Reported below quantification limit.
^^Total = 1400 ug/Kg, unable to separate isomers.

DIRECTOR

rn= 12452 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971883/14 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008132.006
COLLECTED BY: Client DATE COL'D:04/30/97 RECEIVED:05/01/97

SAMPLE: Soil sample, S1-13W, 1-2
UNITS: ug/L*

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<10	
Acenaphthene	<10	
Fluorene	<10	
Phenanthrene	<10	
Anthracene	<10	
Fluoranthene	<10	
Pyrene	<10	
Benzo(a)anthracene	<10	
Chrysene	<10	
Benzo(b)fluoranthene	<10	
Benzo(k)fluoranthene	<10	
Benzo(a)pyrene	<10	
Indeno(1,2,3-cd)pyrene	<10	
Dibenzo(a,h)anthracene	<10	
Benzo(ghi)perylene	<10	

cc:

REMARKS: * Analysis performed on TCLP Leachate according to USEPA Method 1311.

DIRECTOR

rn= 12453 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971883/15 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008132.006
COLLECTED BY: Client DATE COL'D:04/30/97 RECEIVED:05/01/97

SAMPLE: Soil sample, S1-13W, 2-4
UNITS: ug/Kg

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<33	
Acenaphthene	<33	
Fluorene	<33	
Phenanthrene	<33	
Anthracene	<33	
Fluoranthene	<33	
Pyrene	<33	
Benzo(a)anthracene	<33	
Chrysene	<33	
Benzo(b)fluoranthene	<33	
Benzo(k)fluoranthene	<33	
Benzo(a)pyrene	<33	
Dibenzo(a,h)anthracene	<33	
Indeno(1,2,3-cd)pyrene	<33	
Benzo(ghi)perylene	<33	
% Solids	90	

cc:

REMARKS: EPA Method 8270.
Results reported on a dry weight basis.

DIRECTOR

rn= 12454 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971883/15 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008132.006
COLLECTED BY: Client DATE COL'D:04/30/97 RECEIVED:05/01/97

SAMPLE: Soil sample, S1-13W, 2-4
UNITS: ug/L*

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<10	
Acenaphthene	<10	
Fluorene	<10	
Phenanthrene	<10	
Anthracene	<10	
Fluoranthene	<10	
Pyrene	<10	
Benzo(a)anthracene	<10	
Chrysene	<10	
Benzo(b)fluoranthene	<10	
Benzo(k)fluoranthene	<10	
Benzo(a)pyrene	<10	
Indeno(1,2,3-cd)pyrene	<10	
Dibenzo(a,h)anthracene	<10	
Benzo(ghi)perylene	<10	

cc:

REMARKS: * Analysis performed on TCLP Leachate according to USEPA Method 1311.

DIRECTOR

rn= 12455 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971929/1 05/19/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008.132
COLLECTED BY: Client DATE COL'D:05/02/97 RECEIVED:05/02/97

SAMPLE: Soil sample, S1-D1, 0-2

ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<2
Vinyl Chloride	ug/Kg	<2
Bromomethane	ug/Kg	<2
Chloroethane	ug/Kg	<2
Trichlorofluomethane	ug/Kg	<2
1,1 Dichloroethene	ug/Kg	<2
Methylene Chloride	ug/Kg	<2
t-1,2-Dichloroethene	ug/Kg	<2
1,1 Dichloroethane	ug/Kg	<2
Chloroform	ug/Kg	<2
111 Trichloroethane	ug/Kg	<2
Carbon Tetrachloride	ug/Kg	<2
Benzene	ug/Kg	<2
1,2 Dichloroethane	ug/Kg	<2
Trichloroethene	ug/Kg	<2
1,2 Dichloropropane	ug/Kg	<2
Bromodichloromethane	ug/Kg	<2
2chloroethvinylether	ug/Kg	<2
t-1,3Dichloropropene	ug/Kg	<2
Toluene	ug/Kg	<2
c-1,3Dichloropropene	ug/Kg	<2
112 Trichloroethane	ug/Kg	<2
Tetrachloroethene	ug/Kg	<2
Chlorodibromomethane	ug/Kg	<2
Chlorobenzene	ug/Kg	<2

ANALYTICAL PARAMETERS		
Ethyl Benzene	ug/Kg	<2
m + p Xylene	ug/Kg	<4
o Xylene	ug/Kg	<2
Bromoform	ug/Kg	<2
1122Tetrachloroethan	ug/Kg	<2
1,2 Dichlorobenzene	ug/Kg	<2
1,3 Dichlorobenzene	ug/Kg	<2
1,4 Dichlorobenzene	ug/Kg	<2
Isopropylbenzene	ug/Kg	<2
n-Propylbenzene	ug/Kg	<2
p-Isopropyltoluene	ug/Kg	<2
124-Trimethylbenzene	ug/Kg	<2
135-Trimethylbenzene	ug/Kg	<2
n-Butylbenzene	ug/Kg	<2
sec-Butylbenzene	ug/Kg	<2
Naphthalene	ug/Kg	<2
ter.ButylMethylEther	ug/Kg	<2

cc:

REMARKS: Analysis was performed by GC/MS, EPA Method 8260.
Results reported on a dry weight basis.

DIRECTOR

rn= 12722 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971929/1 05/19/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008.132
COLLECTED BY: Client DATE COL'D:05/02/97 RECEIVED:05/02/97

SAMPLE: Soil sample, S1-D1, 0-2

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons mg/Kg	18	
% Solids	94	

cc:

REMARKS: EPA Method 418.1.
Results reported on a dry weight basis.

DIRECTOR

rn= 12723 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971929/1 05/19/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008.132
COLLECTED BY: Client DATE COL'D:05/02/97 RECEIVED:05/02/97

SAMPLE: Soil sample, S1-D1, 0-2
UNITS: ug/Kg

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<32	
Acenaphthene	<32	
Fluorene	<32	
Phenanthrene	<32	
Anthracene	<32	
Fluoranthene	36	
Pyrene	41	
Benzo(a)anthracene	<32	
Chrysene	<32	
Benzo(b)fluoranthene	<32	
Benzo(k)fluoranthene	<32	
Benzo(a)pyrene	<32	
Dibenzo(a,h)anthracene	<32	
Indeno(1,2,3-cd)pyrene	<32	
Benzo(ghi)perylene	<32	

cc:

REMARKS: EPA Method 8270.
Results reported on a dry weight basis.

DIRECTOR

rn= 12724 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971929/1 05/19/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008.132
COLLECTED BY: Client DATE COL'D:05/02/97 RECEIVED:05/02/97

SAMPLE: Soil sample, S1-D1, 0-2

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	2.6	
Barium as Ba	mg/Kg	7.2	
Cadmium as Cd	mg/Kg	0.16	
Chromium as Cr	mg/Kg	8.4	
Lead as Pb	mg/Kg	21	
Mercury as Hg	mg/Kg	0.034	
Selenium as Se	mg/Kg	<0.43	
Silver as Ag	mg/Kg	<0.11	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12725 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971929/1 05/19/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008.132
COLLECTED BY: Client DATE COL'D:05/02/97 RECEIVED:05/02/97

SAMPLE: Soil sample, S1-D1, 0-2

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Diesel	ug/Kg	<210*	
#2 Fuel Oil	ug/Kg	<210*	
#4 Fuel Oil	ug/Kg	<210*	
#6 Fuel Oil	ug/Kg	<210*	
Lubricating Oil	ug/Kg	<210*	
Mineral Spirits	ug/Kg	<210*	
JP4	ug/Kg	<210*	
JP5	ug/Kg	<210*	
Jet A	ug/Kg	<210*	
Kerosene	ug/Kg	<210*	

cc:

REMARKS: Results reported on a dry weight basis.
Analyses performed by Modified 8015 Method.
Diesel Range Organics.
*Sample contains uknown product at 11000ug/Kg(quantified as #6 Fuel Oil).

DIRECTOR

rn= 12921 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971929/2 05/19/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008.132
COLLECTED BY: Client DATE COL'D:05/02/97 RECEIVED:05/02/97

SAMPLE: Soil sample, S1-D1, 2-4

ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<1
Vinyl Chloride	ug/Kg	<1
Bromomethane	ug/Kg	<1
Chloroethane	ug/Kg	<1
Trichlorofluomethane	ug/Kg	<1
1,1 Dichloroethene	ug/Kg	<1
Methylene Chloride	ug/Kg	<1
t-1,2-Dichloroethene	ug/Kg	<1
1,1 Dichloroethane	ug/Kg	<1
Chloroform	ug/Kg	<1
111 Trichloroethane	ug/Kg	<1
Carbon Tetrachloride	ug/Kg	<1
Benzene	ug/Kg	<1
1,2 Dichloroethane	ug/Kg	<1
Trichloroethene	ug/Kg	<1
1,2 Dichloropropane	ug/Kg	<1
Bromodichloromethane	ug/Kg	<1
2chloroethvinylether	ug/Kg	<1
t-1,3Dichloropropene	ug/Kg	<1
Toluene	ug/Kg	<1
c-1,3Dichloropropene	ug/Kg	<1
112 Trichloroethane	ug/Kg	<1
Tetrachloroethene	ug/Kg	<1
Chlorodibromomethane	ug/Kg	<1
Chlorobenzene	ug/Kg	<1

ANALYTICAL PARAMETERS		
Ethyl Benzene	ug/Kg	<1
m + p Xylene	ug/Kg	<2
o Xylene	ug/Kg	<1
Bromoform	ug/Kg	<1
1122Tetrachloroethan	ug/Kg	<1
1,2 Dichlorobenzene	ug/Kg	<1
1,3 Dichlorobenzene	ug/Kg	<1
1,4 Dichlorobenzene	ug/Kg	<1
Isopropylbenzene	ug/Kg	<1
n-Propylbenzene	ug/Kg	<1
p-Isopropyltoluene	ug/Kg	<1
124-Trimethylbenzene	ug/Kg	<1
135-Trimethylbenzene	ug/Kg	<1
n-Butylbenzene	ug/Kg	<1
sec-Butylbenzene	ug/Kg	<1
Naphthalene	ug/Kg	<1
ter.ButylMethylEther	ug/Kg	<1

cc:

REMARKS: Analysis was performed by GC/MS, EPA Method 8260.
Results reported on a dry weight basis.

DIRECTOR

rn= 12726 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971929/2 05/19/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008.132
COLLECTED BY: Client DATE COL'D:05/02/97 RECEIVED:05/02/97

SAMPLE: Soil sample, S1-D1, 2-4

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons mg/Kg	<11	
% Solids	93	

cc:

REMARKS: EPA Method 418.1.
Results reported on a dry weight basis.

DIRECTOR

rn= 12727 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971929/2 05/19/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008.132
COLLECTED BY: Client DATE COL'D:05/02/97 RECEIVED:05/02/97

SAMPLE: Soil sample, S1-D1, 2-4
UNITS: ug/Kg

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<32	
Acenaphthene	<32	
Fluorene	<32	
Phenanthrene	<32	
Anthracene	<32	
Fluoranthene	<32	
Pyrene	<32	
Benzo(a)anthracene	<32	
Chrysene	<32	
Benzo(b)fluoranthene	<32	
Benzo(k)fluoranthene	<32	
Benzo(a)pyrene	<32	
Dibenzo(a,h)anthracene	<32	
Indeno(1,2,3-cd)pyrene	<32	
Benzo(ghi)perylene	<32	

cc:

REMARKS: EPA Method 8270.
Results reported on a dry weight basis.

DIRECTOR

rn= 12728 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971929/2 05/19/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008.132
COLLECTED BY: Client DATE COL'D:05/02/97 RECEIVED:05/02/97

SAMPLE: Soil sample, S1-D1, 2-4

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	2.9	
Barium as Ba	mg/Kg	2.6	
Cadmium as Cd	mg/Kg	<0.11	
Chromium as Cr	mg/Kg	4	
Lead as Pb	mg/Kg	2.8	
Mercury as Hg	mg/Kg	0.011	
Selenium as Se	mg/Kg	<0.43	
Silver as Ag	mg/Kg	<0.11	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

Lab= 12729 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971848/1 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-D2, 0-2

ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<1
Vinyl Chloride	ug/Kg	<1
Bromomethane	ug/Kg	<1
Chloroethane	ug/Kg	<1
Trichlorofluomethane	ug/Kg	<1
1,1 Dichloroethene	ug/Kg	<1
Methylene Chloride	ug/Kg	<1
t-1,2-Dichloroethene	ug/Kg	<1
1,1 Dichloroethane	ug/Kg	<1
Chloroform	ug/Kg	<1
111 Trichloroethane	ug/Kg	<1
Carbon Tetrachloride	ug/Kg	<1
Benzene	ug/Kg	<1
1,2 Dichloroethane	ug/Kg	<1
Trichloroethene	ug/Kg	<1
1,2 Dichloropropane	ug/Kg	<1
Bromodichloromethane	ug/Kg	<1
2chloroethvinylether	ug/Kg	<1
t-1,3Dichloropropene	ug/Kg	<1
Toluene	ug/Kg	<1
c-1,3Dichloropropene	ug/Kg	<1
112 Trichloroethane	ug/Kg	<1
Tetrachloroethene	ug/Kg	<1
Chlorodibromomethane	ug/Kg	<1
Chlorobenzene	ug/Kg	<1

ANALYTICAL PARAMETERS		
Ethyl Benzene	ug/Kg	<1
m + p Xylene	ug/Kg	<2
o Xylene	ug/Kg	<1
Bromoform	ug/Kg	<1
1122Tetrachloroethan	ug/Kg	<1
1,2 Dichlorobenzene	ug/Kg	<1
1,3 Dichlorobenzene	ug/Kg	<1
1,4 Dichlorobenzene	ug/Kg	<1
Isopropylbenzene	ug/Kg	<1
n-Propylbenzene	ug/Kg	<1
p-Isopropyltoluene	ug/Kg	<1
124-Trimethylbenzene	ug/Kg	<1
135-Trimethylbenzene	ug/Kg	<1
n-Butylbenzene	ug/Kg	<1
sec-Butylbenzene	ug/Kg	<1
Naphthalene	ug/Kg	<1
ter.ButylMethylEther	ug/Kg	<1

cc:

REMARKS: Analysis was performed by GC/MS, EPA Method 8260.
Results reported on a dry weight basis.

DIRECTOR

rn= 12209 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971848/1 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-D2, 0-2

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons mg/Kg	12	
% Solids	98	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12210 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971848/1 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-D2, 0-2

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	2.0	
Barium as Ba	mg/Kg	3.8	
Cadmium as Cd	mg/Kg	<0.1	
Chromium as Cr	mg/Kg	4.2	
Lead as Pb	mg/Kg	7.3	
Mercury as Hg	mg/Kg	0.0053	
Selenium as Se	mg/Kg	<0.41	
Silver as Ag	mg/Kg	<0.1	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12211 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971848/1 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-D2, 0-2
UNITS: ug/Kg

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<31	
Acenaphthene	<31	
Fluorene	<31	
Phenanthrene	<31	
Anthracene	<31	
Fluoranthene	<31	
Pyrene	<31	
Benzo(a)anthracene	<31	
Chrysene	<31	
Benzo(b)fluoranthene	<31	
Benzo(k)fluoranthene	<31	
Benzo(a)pyrene	<31	
Dibenzo(a,h)anthracene	<31	
Indeno(1,2,3-cd)pyrene	<31	
Benzo(ghi)perylene	<31	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12212 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971848/1 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-D2, 0-2

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Diesel	ug/Kg	<210	
#2 Fuel Oil	ug/Kg	<210	
#4 Fuel Oil	ug/Kg	<210	
#6 Fuel Oil	ug/Kg	<210	
Lubricating Oil	ug/Kg	<210	
Mineral Spirits	ug/Kg	<210	
JP4	ug/Kg	<210	
JP5	ug/Kg	<210	
Jet A	ug/Kg	<210	
Kerosene	ug/Kg	<210	

cc:

REMARKS: Results reported on a dry weight basis.
Analyses performed by Modified 8015 Method.
Diesel Range Organics.

DIRECTOR

rn= 12407 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971848/2 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-D2, 2-4

ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<1
Vinyl Chloride	ug/Kg	<1
Bromomethane	ug/Kg	<1
Chloroethane	ug/Kg	<1
Trichlorofluomethane	ug/Kg	<1
1,1 Dichloroethene	ug/Kg	<1
Methylene Chloride	ug/Kg	<1
t-1,2-Dichloroethene	ug/Kg	<1
1,1 Dichloroethane	ug/Kg	<1
Chloroform	ug/Kg	<1
111 Trichloroethane	ug/Kg	<1
Carbon Tetrachloride	ug/Kg	<1
Benzene	ug/Kg	<1
1,2 Dichloroethane	ug/Kg	<1
Trichloroethene	ug/Kg	<1
1,2 Dichloropropane	ug/Kg	<1
Bromodichloromethane	ug/Kg	<1
2chloroethvinylether	ug/Kg	<1
t-1,3Dichloropropene	ug/Kg	<1
Toluene	ug/Kg	<1
c-1,3Dichloropropene	ug/Kg	<1
112 Trichloroethane	ug/Kg	<1
Tetrachloroethene	ug/Kg	<1
Chlorodibromomethane	ug/Kg	<1
Chlorobenzene	ug/Kg	<1

ANALYTICAL PARAMETERS		
Ethyl Benzene	ug/Kg	<1
m + p Xylene	ug/Kg	<2
o Xylene	ug/Kg	<1
Bromoform	ug/Kg	<1
1122Tetrachloroethan	ug/Kg	<1
1,2 Dichlorobenzene	ug/Kg	<1
1,3 Dichlorobenzene	ug/Kg	<1
1,4 Dichlorobenzene	ug/Kg	<1
Isopropylbenzene	ug/Kg	<1
n-Propylbenzene	ug/Kg	<1
p-Isopropyltoluene	ug/Kg	<1
124-Trimethylbenzene	ug/Kg	<1
135-Trimethylbenzene	ug/Kg	<1
n-Butylbenzene	ug/Kg	<1
sec-Butylbenzene	ug/Kg	<1
Naphthalene	ug/Kg	<1
ter.ButylMethylEther	ug/Kg	<1

cc:

REMARKS: Analysis was performed by GC/MS, EPA Method 8260.
Results reported on a dry weight basis.

DIRECTOR

rn= 12213 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971848/2 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-D2, 2-4

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons mg/Kg	13	
% Solids	96	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12214 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971848/2 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-D2, 2-4

ANALYTICAL PARAMETERS		
Arsenic as As	mg/Kg	4.9
Barium as Ba	mg/Kg	1.9
Cadmium as Cd	mg/Kg	<0.1
Chromium as Cr	mg/Kg	10
Lead as Pb	mg/Kg	2
Mercury as Hg	mg/Kg	0.0063
Selenium as Se	mg/Kg	<0.42
Silver as Ag	mg/Kg	<0.1

ANALYTICAL PARAMETERS

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12215 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971848/2 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-D2, 2-4
UNITS: ug/Kg

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<31	
Acenaphthene	<31	
Fluorene	<31	
Phenanthrene	<31	
Anthracene	<31	
Fluoranthene	<31	
Pyrene	<31	
Benzo(a)anthracene	<31	
Chrysene	<31	
Benzo(b)fluoranthene	<31	
Benzo(k)fluoranthene	<31	
Benzo(a)pyrene	<31	
Dibenzo(a,h)anthracene	<31	
Indeno(1,2,3-cd)pyrene	<31	
Benzo(ghi)perylene	<31	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12216 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971848/2 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-D2, 2-4

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Diesel	ug/Kg	<210	
#2 Fuel Oil	ug/Kg	<210	
#4 Fuel Oil	ug/Kg	<210	
#6 Fuel Oil	ug/Kg	<210	
Lubricating Oil	ug/Kg	<210	
Mineral Spirits	ug/Kg	<210	
JP4	ug/Kg	<210	
JP5	ug/Kg	<210	
Jet A	ug/Kg	<210	
Kerosene	ug/Kg	<210	

cc:

REMARKS: Results reported on a dry weight basis.
Analyses performed by Modified 8015 Method.
Diesel Range Organics.

DIRECTOR

rn= 12408 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971848/3 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-D3, 0-2

ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<1
Vinyl Chloride	ug/Kg	<1
Bromomethane	ug/Kg	<1
Chloroethane	ug/Kg	<1
Trichlorofluomethane	ug/Kg	<1
1,1 Dichloroethene	ug/Kg	<1
Methylene Chloride	ug/Kg	<1
t-1,2-Dichloroethene	ug/Kg	<1
1,1 Dichloroethane	ug/Kg	<1
Chloroform	ug/Kg	<1
111 Trichloroethane	ug/Kg	<1
Carbon Tetrachloride	ug/Kg	<1
Benzene	ug/Kg	<1
1,2 Dichloroethane	ug/Kg	<1
Trichloroethene	ug/Kg	<1
1,2 Dichloropropane	ug/Kg	<1
Bromodichloromethane	ug/Kg	<1
2chloroethvinylether	ug/Kg	<1
t-1,3Dichloropropene	ug/Kg	<1
Toluene	ug/Kg	<1
c-1,3Dichloropropene	ug/Kg	<1
112 Trichloroethane	ug/Kg	<1
Tetrachloroethene	ug/Kg	<1
Chlorodibromomethane	ug/Kg	<1
Chlorobenzene	ug/Kg	<1

ANALYTICAL PARAMETERS		
Ethyl Benzene	ug/Kg	<1
m + p Xylene	ug/Kg	<2
o Xylene	ug/Kg	<1
Bromoform	ug/Kg	<1
1122Tetrachloroethan	ug/Kg	<1
1,2 Dichlorobenzene	ug/Kg	<1
1,3 Dichlorobenzene	ug/Kg	<1
1,4 Dichlorobenzene	ug/Kg	<1
Isopropylbenzene	ug/Kg	<1
n-Propylbenzene	ug/Kg	<1
p-Isopropyltoluene	ug/Kg	<1
124-Trimethylbenzene	ug/Kg	<1
135-Trimethylbenzene	ug/Kg	<1
n-Butylbenzene	ug/Kg	<1
sec-Butylbenzene	ug/Kg	<1
Naphthalene	ug/Kg	<1
ter.ButylMethylEther	ug/Kg	<1

cc:

REMARKS: Analysis was performed by GC/MS, EPA Method 8260.
Results reported on a dry weight basis.

DIRECTOR

rn= 12217 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971848/3 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-D3, 0-2

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons mg/Kg	17	
% Solids	95	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12218 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971848/3 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-D3, 0-2

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	1.9	
Barium as Ba	mg/Kg	4.2	
Cadmium as Cd	mg/Kg	<0.11	
Chromium as Cr	mg/Kg	2.8	
Lead as Pb	mg/Kg	10	
Mercury as Hg	mg/Kg	0.011	
Selenium as Se	mg/Kg	<0.42	
Silver as Ag	mg/Kg	<0.11	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12219 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971848/3 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-D3, 0-2
UNITS: ug/Kg

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<32	
Acenaphthene	<32	
Fluorene	<32	
Phenanthrene	<32	
Anthracene	<32	
Fluoranthene	<32	
Pyrene	<32	
Benzo(a)anthracene	<32	
Chrysene	<32	
Benzo(b)fluoranthene	<32	
Benzo(k)fluoranthene	<32	
Benzo(a)pyrene	<32	
Dibenzo(a,h)anthracene	<32	
Indeno(1,2,3-cd)pyrene	<32	
Benzo(ghi)perylene	<32	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12220 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971848/3 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-D3, 0-2

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Diesel	ug/Kg	<210	
#2 Fuel Oil	ug/Kg	<210	
#4 Fuel Oil	ug/Kg	<210	
#6 Fuel Oil	ug/Kg	<210	
Lubricating Oil	ug/Kg	<210	
Mineral Spirits	ug/Kg	<210	
JP4	ug/Kg	<210	
JP5	ug/Kg	<210	
Jet A	ug/Kg	<210	
Kerosene	ug/Kg	<210	

cc:

REMARKS: Results reported on a dry weight basis.
Analyses performed by Modified 8015 Method.
Diesel Range Organics.

DIRECTOR

rn= 12409 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971848/4 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-D3, 2-4

ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<1
Vinyl Chloride	ug/Kg	<1
Bromomethane	ug/Kg	<1
Chloroethane	ug/Kg	<1
Trichlorofluomethane	ug/Kg	<1
1,1 Dichloroethene	ug/Kg	<1
Methylene Chloride	ug/Kg	<1
t-1,2-Dichloroethene	ug/Kg	<1
1,1 Dichloroethane	ug/Kg	<1
Chloroform	ug/Kg	<1
111 Trichloroethane	ug/Kg	<1
Carbon Tetrachloride	ug/Kg	<1
Benzene	ug/Kg	<1
1,2 Dichloroethane	ug/Kg	<1
Trichloroethene	ug/Kg	<1
1,2 Dichloropropane	ug/Kg	<1
Bromodichloromethane	ug/Kg	<1
2chloroethvinylether	ug/Kg	<1
t-1,3Dichloropropene	ug/Kg	<1
Toluene	ug/Kg	<1
c-1,3Dichloropropene	ug/Kg	<1
112 Trichloroethane	ug/Kg	<1
Tetrachloroethene	ug/Kg	<1
Chlorodibromomethane	ug/Kg	<1
Chlorobenzene	ug/Kg	<1

ANALYTICAL PARAMETERS		
Ethyl Benzene	ug/Kg	<1
m + p Xylene	ug/Kg	<2
o Xylene	ug/Kg	<1
Bromoform	ug/Kg	<1
1122Tetrachloroethan	ug/Kg	<1
1,2 Dichlorobenzene	ug/Kg	<1
1,3 Dichlorobenzene	ug/Kg	<1
1,4 Dichlorobenzene	ug/Kg	<1
Isopropylbenzene	ug/Kg	<1
n-Propylbenzene	ug/Kg	<1
p-Isopropyltoluene	ug/Kg	<1
124-Trimethylbenzene	ug/Kg	<1
135-Trimethylbenzene	ug/Kg	<1
n-Butylbenzene	ug/Kg	<1
sec-Butylbenzene	ug/Kg	<1
Naphthalene	ug/Kg	<1
ter.ButylMethylEther	ug/Kg	<1

cc:

REMARKS: Analysis was performed by GC/MS, EPA Method 8260.
Results reported on a dry weight basis.

DIRECTOR

rn= 12221 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971848/4 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-D3, 2-4

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons mg/Kg	14	
% Solids	88	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12222 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971848/4 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-D3, 2-4

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	12	
Barium as Ba	mg/Kg	9.2	
Cadmium as Cd	mg/Kg	<0.11	
Chromium as Cr	mg/Kg	14	
Lead as Pb	mg/Kg	2.7	
Mercury as Hg	mg/Kg	0.0064	
Selenium as Se	mg/Kg	<0.45	
Silver as Ag	mg/Kg	<0.11	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12223 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971848/4 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-D3, 2-4
UNITS: ug/Kg

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<34	
Acenaphthene	<34	
Fluorene	<34	
Phenanthrene	<34	
Anthracene	<34	
Fluoranthene	<34	
Pyrene	<34	
Benzo(a)anthracene	<34	
Chrysene	<34	
Benzo(b)fluoranthene	<34	
Benzo(k)fluoranthene	<34	
Benzo(a)pyrene	<34	
Dibenzo(a,h)anthracene	<34	
Indeno(1,2,3-cd)pyrene	<34	
Benzo(ghi)perylene	<34	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12224 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971848/4 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-D3, 2-4

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Diesel	ug/Kg	<230	
#2 Fuel Oil	ug/Kg	<230	
#4 Fuel Oil	ug/Kg	<230	
#6 Fuel Oil	ug/Kg	<230	
Lubricating Oil	ug/Kg	<230	
Mineral Spirits	ug/Kg	<230	
JP4	ug/Kg	<230	
JP5	ug/Kg	1300*	
Jet A	ug/Kg	<230	
Kerosene	ug/Kg	<230	

cc:

REMARKS: Results reported on a dry weight basis.
Analyses performed by Modified 8015 Method.
Diesel Range Organics.
*GC analysis indicates sample contains product for which closest match found is weathered JP-5 Military Fuel.
Quality of match = Excellent.

DIRECTOR

rn= 12410 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971848/5 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-D4, 0-2

ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<1
Vinyl Chloride	ug/Kg	<1
Bromomethane	ug/Kg	<1
Chloroethane	ug/Kg	<1
Trichlorofluomethane	ug/Kg	<1
1,1 Dichloroethene	ug/Kg	<1
Methylene Chloride	ug/Kg	<1
t-1,2-Dichloroethene	ug/Kg	<1
1,1 Dichloroethane	ug/Kg	<1
Chloroform	ug/Kg	<1
111 Trichloroethane	ug/Kg	<1
Carbon Tetrachloride	ug/Kg	<1
Benzene	ug/Kg	<1
1,2 Dichloroethane	ug/Kg	<1
Trichloroethene	ug/Kg	<1
1,2 Dichloropropane	ug/Kg	<1
Bromodichloromethane	ug/Kg	<1
2chloroethvinylether	ug/Kg	<1
t-1,3Dichloropropene	ug/Kg	<1
Toluene	ug/Kg	<1
c-1,3Dichloropropene	ug/Kg	<1
112 Trichloroethane	ug/Kg	<1
Tetrachloroethene	ug/Kg	<1
Chlorodibromomethane	ug/Kg	<1
Chlorobenzene	ug/Kg	<1

ANALYTICAL PARAMETERS		
Ethyl Benzene	ug/Kg	<1
m + p Xylene	ug/Kg	<2
o Xylene	ug/Kg	<1
Bromoform	ug/Kg	<1
1122Tetrachloroethan	ug/Kg	<1
1,2 Dichlorobenzene	ug/Kg	<1
1,3 Dichlorobenzene	ug/Kg	<1
1,4 Dichlorobenzene	ug/Kg	<1
Isopropylbenzene	ug/Kg	<1
n-Propylbenzene	ug/Kg	<1
p-Isopropyltoluene	ug/Kg	<1
124-Trimethylbenzene	ug/Kg	<1
135-Trimethylbenzene	ug/Kg	<1
n-Butylbenzene	ug/Kg	<1
sec-Butylbenzene	ug/Kg	<1
Naphthalene	ug/Kg	<1
ter.ButylMethylEther	ug/Kg	<1

cc:

REMARKS: Analysis was performed by GC/MS, EPA Method 8260.
Results reported on a dry weight basis.

DIRECTOR

rn= 12225 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971848/5 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-D4, 0-2

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons mg/Kg	24	
% Solids	96	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12226 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971848/5 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-D4, 0-2

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	4.9	
Barium as Ba	mg/Kg	1.1	
Cadmium as Cd	mg/Kg	<0.1	
Chromium as Cr	mg/Kg	0.72	
Lead as Pb	mg/Kg	7.9	
Mercury as Hg	mg/Kg	0.0071	
Selenium as Se	mg/Kg	<0.42	
Silver as Ag	mg/Kg	<0.1	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12227 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971848/5 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-D4, 0-2
UNITS: ug/Kg

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<31	
Acenaphthene	<31	
Fluorene	<31	
Phenanthrene	<31	
Anthracene	<31	
Fluoranthene	<31	
Pyrene	<31	
Benzo(a)anthracene	<31	
Chrysene	<31	
Benzo(b)fluoranthene	<31	
Benzo(k)fluoranthene	<31	
Benzo(a)pyrene	<31	
Dibenzo(a,h)anthracene	<31	
Indeno(1,2,3-cd)pyrene	<31	
Benzo(ghi)perylene	<31	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12228 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971848/5 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-D4, 0-2

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Diesel	ug/Kg	<210	
#2 Fuel Oil	ug/Kg	22000*	
#4 Fuel Oil	ug/Kg	<210	
#6 Fuel Oil	ug/Kg	<210	
Lubricating Oil	ug/Kg	<210	
Mineral Spirits	ug/Kg	<210	
JP4	ug/Kg	<210	
JP5	ug/Kg	1200*	
Jet A	ug/Kg	<210	
Kerosene	ug/Kg	<210	

cc:

REMARKS: Results reported on a dry weight basis.
Analyses performed by Modified 8015 Method (DRO).
*GC analysis indicates sample contains mixture of weathered JP-5 Military Fuel and very weathered #2 Fuel Oil.
Quality of Match for JP-5 = Excellent,
for #2 Fuel (weathered) = Poor.

DIRECTOR

rn= 12411 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971848/6 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-D4, 2-4

ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<1
Vinyl Chloride	ug/Kg	<1
Bromomethane	ug/Kg	<1
Chloroethane	ug/Kg	<1
Trichlorofluomethane	ug/Kg	<1
1,1 Dichloroethene	ug/Kg	<1
Methylene Chloride	ug/Kg	<1
t-1.2-Dichloroethene	ug/Kg	<1
1,1 Dichloroethane	ug/Kg	<1
Chloroform	ug/Kg	<1
111 Trichloroethane	ug/Kg	<1
Carbon Tetrachloride	ug/Kg	<1
Benzene	ug/Kg	<1
1,2 Dichloroethane	ug/Kg	<1
Trichloroethene	ug/Kg	<1
1,2 Dichloropropane	ug/Kg	<1
Bromodichloromethane	ug/Kg	<1
2chloroethvinylether	ug/Kg	<1
t-1,3Dichloropropene	ug/Kg	<1
Toluene	ug/Kg	<1
c-1,3Dichloropropene	ug/Kg	<1
112 Trichloroethane	ug/Kg	<1
Tetrachloroethene	ug/Kg	<1
Chlorodibromomethane	ug/Kg	<1
Chlorobenzene	ug/Kg	<1

ANALYTICAL PARAMETERS		
Ethyl Benzene	ug/Kg	<1
m + p Xylene	ug/Kg	<2
o Xylene	ug/Kg	<1
Bromoform	ug/Kg	<1
1122Tetrachloroethan	ug/Kg	<1
1,2 Dichlorobenzene	ug/Kg	<1
1,3 Dichlorobenzene	ug/Kg	<1
1,4 Dichlorobenzene	ug/Kg	<1
Isopropylbenzene	ug/Kg	<1
n-Propylbenzene	.g/Kg	<1
p-Isopropyltoluene	ug/Kg	18
124-Trimethylbenzene	ug/Kg	3
135-Trimethylbenzene	ug/Kg	14
n-Butylbenzene	ug/Kg	<1
sec-Butylbenzene	ug/Kg	14
Naphthalene	ug/Kg	<1
ter.ButylMethylEther	ug/Kg	<1

cc:

REMARKS: Analysis was performed by GC/MS, EPA Method 8260.
Results reported on a dry weight basis.

DIRECTOR

rn= 12229 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971848/6 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-D4, 2-4

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons mg/Kg	370	
% Solids	87	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12230 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971848/6 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-D4, 2-4

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	5.2	
Barium as Ba	mg/Kg	5.1	
Cadmium as Cd	mg/Kg	<0.11	
Chromium as Cr	mg/Kg	9.5	
Lead as Pb	mg/Kg	2.9	
Mercury as Hg	mg/Kg	0.015	
Selenium as Se	mg/Kg	<0.46	
Silver as Ag	mg/Kg	<0.11	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12231 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971848/6 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-D4, 2-4
UNITS: ug/Kg

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<34	
Acenaphthene	<34	
Fluorene	<34	
Phenanthrene	<34	
Anthracene	<34	
Fluoranthene	<34	
Pyrene	<34	
Benzo(a)anthracene	<34	
Chrysene	<34	
Benzo(b)fluoranthene	<34	
Benzo(k)fluoranthene	<34	
Benzo(a)pyrene	<34	
Dibenzo(a,h)anthracene	<34	
Indeno(1,2,3-cd)pyrene	<34	
Benzo(ghi)perylene	<34	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12232 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971848/6 05/13/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY 0008132.006
COLLECTED BY: Client DATE COL'D:04/29/97 RECEIVED:04/30/97

SAMPLE: Soil sample, S1-D4, 2-4

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Diesel	ug/Kg	<230	
#2 Fuel Oil	ug/Kg	310000*	
#4 Fuel Oil	ug/Kg	<230	
#6 Fuel Oil	ug/Kg	<230	
Lubricating Oil	ug/Kg	<230	
Mineral Spirits	ug/Kg	<230	
JP4	ug/Kg	<230	
JP5	ug/Kg	1100000*	
Jet A	ug/Kg	<230	
Kerosene	ug/Kg	<230	

cc:

REMARKS: Results reported on a dry weight basis.
Analyses performed by Modified 8015 Method (DRO).
*GC analysis indicates sample contains mixture of weathered JP-5 Military Fuel and very weathered #2 Fuel Oil.
Quality of Match for JP-5 = Excellent,
for #2 Fuel (weathered) = Poor.

DIRECTOR

rn= 12412 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971884/1 05/15/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008132.006
COLLECTED BY: Client DATE COL'D:04/30/97 RECEIVED:05/01/97

SAMPLE: Soil sample, S1-D-5, 0-2

ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<1
Vinyl Chloride	ug/Kg	<1
Bromomethane	ug/Kg	<1
Chloroethane	ug/Kg	<1
Trichlorofluomethane	ug/Kg	<1
1,1 Dichloroethene	ug/Kg	<1
Methylene Chloride	ug/Kg	<1
t-1,2-Dichloroethene	ug/Kg	<1
1,1 Dichloroethane	ug/Kg	<1
Chloroform	ug/Kg	<1
111 Trichloroethane	ug/Kg	<1
Carbon Tetrachloride	ug/Kg	<1
Benzene	ug/Kg	<1
1,2 Dichloroethane	ug/Kg	<1
Trichloroethene	ug/Kg	<1
1,2 Dichloropropane	ug/Kg	<1
Bromodichloromethane	ug/Kg	<1
2chloroethvinylether	ug/Kg	<1
t-1,3Dichloropropene	ug/Kg	<1
Toluene	ug/Kg	<1
c-1,3Dichloropropene	ug/Kg	<1
112 Trichloroethane	ug/Kg	<1
Tetrachloroethene	ug/Kg	<1
Chlorodibromomethane	ug/Kg	<1
Chlorobenzene	ug/Kg	<1

ANALYTICAL PARAMETERS		
Ethyl Benzene	ug/Kg	<1
m + p Xylene	ug/Kg	<2
o Xylene	ug/Kg	<1
Bromoform	ug/Kg	<1
1122Tetrachloroethan	ug/Kg	<1
1,2 Dichlorobenzene	ug/Kg	<1
1,3 Dichlorobenzene	ug/Kg	<1
1,4 Dichlorobenzene	ug/Kg	<1
Isopropylbenzene	ug/Kg	<1
n-Propylbenzene	ug/Kg	<1
p-Isopropyltoluene	ug/Kg	<1
124-Trimethylbenzene	ug/Kg	<1
135-Trimethylbenzene	ug/Kg	<1
n-Butylbenzene	ug/Kg	<1
sec-Butylbenzene	ug/Kg	<1
Naphthalene	ug/Kg	<1
ter.ButylMethylEther	ug/Kg	<1

cc:

REMARKS: Analysis was performed by GC/MS, EPA Method 8260.
Results reported on a dry weight basis.

DIRECTOR

rn= 12456 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971884/1 05/15/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008132.006
COLLECTED BY: Client DATE COL'D:04/30/97 RECEIVED:05/01/97

SAMPLE: Soil sample, S1-D-5, 0-2

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons mg/Kg	<11	
% Solids	93	

cc:

REMARKS: EPA Method 418.1.
Results reported on a dry weight basis.

DIRECTOR

rn= 12457 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971884/1 05/15/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008132.006
COLLECTED BY: Client DATE COL'D:04/30/97 RECEIVED:05/01/97

SAMPLE: Soil sample, S1-D-5, 0-2
UNITS: ug/Kg

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<32	
Acenaphthene	<32	
Fluorene	<32	
Phenanthrene	<32	
Anthracene	<32	
Fluoranthene	<32	
Pyrene	<32	
Benzo(a)anthracene	<32	
Chrysene	<32	
Benzo(b)fluoranthene	<32	
Benzo(k)fluoranthene	<32	
Benzo(a)pyrene	<32	
Dibenzo(a,h)anthracene	<32	
Indeno(1,2,3-cd)pyrene	<32	
Benzo(ghi)perylene	<32	

cc:

REMARKS: EPA Method 8270.
Results reported on a dry weight basis.

DIRECTOR

n= 12458 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971884/1 05/15/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008132.006
COLLECTED BY: Client DATE COL'D:04/30/97 RECEIVED:05/01/97

SAMPLE: Soil sample, S1-D-5, 0-2

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	2.8	
Barium as Ba	mg/Kg	15	
Cadmium as Cd	mg/Kg	0.12	
Chromium as Cr	mg/Kg	4.2	
Lead as Pb	mg/Kg	11	
Mercury as Hg	mg/Kg	0.039	
Selenium as Se	mg/Kg	<0.43	
Silver as Ag	mg/Kg	<0.11	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12459 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971884/2 05/15/97

Geraghty & Miller, Incorporated
88 Durvea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008132.006
COLLECTED BY: Client DATE COL'D:04/30/97 RECEIVED:05/01/97

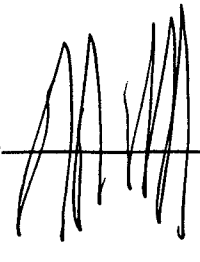
SAMPLE: Soil sample, S1-D-5, 2-4

ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<1
Vinyl Chloride	ug/Kg	<1
Bromomethane	ug/Kg	<1
Chloroethane	ug/Kg	<1
Trichlorofluomethane	ug/Kg	<1
1,1 Dichloroethene	ug/Kg	<1
Methylene Chloride	ug/Kg	<1
t-1,2-Dichloroethene	ug/Kg	<1
1,1 Dichloroethane	ug/Kg	<1
Chloroform	ug/Kg	<1
111 Trichloroethane	ug/Kg	<1
Carbon Tetrachloride	ug/Kg	<1
Benzene	ug/Kg	<1
1,2 Dichloroethane	ug/Kg	<1
Trichloroethene	ug/Kg	<1
1,2 Dichloropropane	ug/Kg	<1
Bromodichloromethane	ug/Kg	<1
2chloroethvinylether	ug/Kg	<1
t-1,3Dichloropropene	ug/Kg	<1
Toluene	ug/Kg	<1
c-1,3Dichloropropene	ug/Kg	<1
112 Trichloroethane	ug/Kg	<1
Tetrachloroethene	ug/Kg	<1
Chlorodibromomethane	ug/Kg	<1
Chlorobenzene	ug/Kg	<1

ANALYTICAL PARAMETERS		
Ethyl Benzene	ug/Kg	<1
m + p Xylene	ug/Kg	<2
o Xylene	ug/Kg	<1
Bromoform	ug/Kg	<1
1122Tetrachloroethan	ug/Kg	<1
1,2 Dichlorobenzene	ug/Kg	<1
1,3 Dichlorobenzene	ug/Kg	<1
1,4 Dichlorobenzene	ug/Kg	<1
Isopropylbenzene	ug/Kg	<1
n-Propylbenzene	ug/Kg	<1
p-Isopropyltoluene	ug/Kg	<1
124-Trimethylbenzene	ug/Kg	<1
135-Trimethylbenzene	ug/Kg	<1
n-Butylbenzene	ug/Kg	<1
sec-Butylbenzene	ug/Kg	<1
Naphthalene	ug/Kg	<1
ter.ButylMethylEther	ug/Kg	<1

cc:

REMARKS: Analysis was performed by GC/MS, EPA Method 8260.
Results reported on a dry weight basis.

DIRECTOR 

rn= 12460 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971884/2 05/15/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008132.006
COLLECTED BY: Client DATE COL'D:04/30/97 RECEIVED:05/01/97

SAMPLE: Soil sample, S1-D-5, 2-4

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons mg/Kg	<11	
% Solids	93	

cc:

REMARKS: EPA Method 418.1.
Results reported on a dry weight basis.

DIRECTOR

rn= 12461 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971884/2 05/15/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008132.006
COLLECTED BY: Client DATE COL'D:04/30/97 RECEIVED:05/01/97

SAMPLE: Soil sample, S1-D-5, 2-4
UNITS: ug/Kg

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<32	
Acenaphthene	<32	
Fluorene	<32	
Phenanthrene	<32	
Anthracene	<32	
Fluoranthene	<32	
Pyrene	<32	
Benzo(a)anthracene	<32	
Chrysene	<32	
Benzo(b)fluoranthene	<32	
Benzo(k)fluoranthene	<32	
Benzo(a)pyrene	<32	
Dibenzo(a,h)anthracene	<32	
Indeno(1,2,3-cd)pyrene	<32	
Benzo(ghi)perylene	<32	

cc:

REMARKS: EPA Method 8270.
Results reported on a dry weight basis.

DIRECTOR

rn= 12462 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971884/2 05/15/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008132.006
COLLECTED BY: Client DATE COL'D:04/30/97 RECEIVED:05/01/97

SAMPLE: Soil sample, S1-D-5, 2-4

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	0.91	
Barium as Ba	mg/Kg	2.9	
Cadmium as Cd	mg/Kg	<0.11	
Chromium as Cr	mg/Kg	2.2	
Lead as Pb	mg/Kg	1.5	
Mercury as Hg	mg/Kg	0.007	
Selenium as Se	mg/Kg	<0.43	
Silver as Ag	mg/Kg	<0.11	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12463 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971884/3 05/15/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008132.006
COLLECTED BY: Client DATE COL'D:04/30/97 RECEIVED:05/01/97

SAMPLE: Soil sample, S1-D-6, 0-2

ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<1
Vinyl Chloride	ug/Kg	<1
Bromomethane	ug/Kg	<1
Chloroethane	ug/Kg	<1
Trichlorofluomethane	ug/Kg	<1
1,1 Dichloroethene	ug/Kg	<1
Methylene Chloride	ug/Kg	<1
t-1,2-Dichloroethene	ug/Kg	<1
1,1 Dichloroethane	ug/Kg	<1
Chloroform	ug/Kg	<1
111 Trichloroethane	ug/Kg	<1
Carbon Tetrachloride	ug/Kg	<1
Benzene	ug/Kg	<1
1,2 Dichloroethane	ug/Kg	<1
Trichloroethene	ug/Kg	<1
1,2 Dichloropropane	ug/Kg	<1
Bromodichloromethane	ug/Kg	<1
2chloroethvinylether	ug/Kg	<1
t-1,3Dichloropropene	ug/Kg	<1
Toluene	ug/Kg	<1
c-1,3Dichloropropene	ug/Kg	<1
112 Trichloroethane	ug/Kg	<1
Tetrachloroethene	ug/Kg	<1
Chlorodibromomethane	ug/Kg	<1
Chlorobenzene	ug/Kg	<1

ANALYTICAL PARAMETERS		
Ethyl Benzene	ug/Kg	<1
m + p Xylene	ug/Kg	<2
o Xylene	ug/Kg	<1
Bromoform	ug/Kg	<1
1122Tetrachloroethan	ug/Kg	<1
1,2 Dichlorobenzene	ug/Kg	<1
1,3 Dichlorobenzene	ug/Kg	<1
1,4 Dichlorobenzene	ug/Kg	<1
Isopropylbenzene	ug/Kg	<1
n-Propylbenzene	ug/Kg	<1
p-Isopropyltoluene	ug/Kg	<1
124-Trimethylbenzene	ug/Kg	<1
135-Trimethylbenzene	ug/Kg	<1
n-Butylbenzene	ug/Kg	<1
sec-Butylbenzene	ug/Kg	<1
Naphthalene	ug/Kg	<1
ter.ButylMethylEther	ug/Kg	<1

cc:

REMARKS: Analysis was performed by GC/MS, EPA Method 8260.
Results reported on a dry weight basis.

DIRECTOR

rn= 12464 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971884/3 05/15/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008132.006
COLLECTED BY: Client DATE COL'D:04/30/97 RECEIVED:05/01/97

SAMPLE: Soil sample, S1-D-6, 0-2

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons mg/Kg	13	
% Solids	82	

cc:

REMARKS: EPA Method 418.1.
Results reported on a dry weight basis.

DIRECTOR

rn= 12465 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971884/3 05/15/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008132.006
COLLECTED BY: Client DATE COL'D:04/30/97 RECEIVED:05/01/97

SAMPLE: Soil sample, S1-D-6, 0-2
UNITS: ug/Kg

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<37	
Acenaphthene	<37	
Fluorene	<37	
Phenanthrene	340	
Anthracene	42	
Fluoranthene	790	
Pyrene	750	
Benzo(a)anthracene	410	
Chrysene	490	
Benzo(b)fluoranthene	380^^	
Benzo(k)fluoranthene	380^^	
Benzo(a)pyrene	360	
Dibenzo(a,h)anthracene	67	
Indeno(1,2,3-cd)pyrene	170	
Benzo(ghi)perylene	170	

cc:

REMARKS: EPA Method 8270.
Results reported on a dry weight basis.
^^Total = 760 ug/Kg, unable to separate isomers.

DIRECTOR

rn= 12466 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971884/3 05/15/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008132.006
COLLECTED BY: Client DATE COL'D:04/30/97 RECEIVED:05/01/97

SAMPLE: Soil sample, S1-D-6, 0-2

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	76	
Barium as Ba	mg/Kg	14	
Cadmium as Cd	mg/Kg	0.15	
Chromium as Cr	mg/Kg	7.5	
Lead as Pb	mg/Kg	28	
Mercury as Hg	mg/Kg	0.033	
Selenium as Se	mg/Kg	<0.49	
Silver as Ag	mg/Kg	<0.12	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12467 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971884/3 05/15/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008132.006
COLLECTED BY: Client DATE COL'D:04/30/97 RECEIVED:05/01/97

SAMPLE: Soil sample, S1-D-6, 0-2

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Diesel	ug/Kg	<240*	
#2 Fuel Oil	ug/Kg	<240*	
#4 Fuel Oil	ug/Kg	<240*	
#6 Fuel Oil	ug/Kg	<240*	
Lubricating Oil	ug/Kg	<240*	
Mineral Spirits	ug/Kg	<240*	
JP4	ug/Kg	<240*	
JP5	ug/Kg	<240*	
Jet A	ug/Kg	<240*	
Kerosene	ug/Kg	<240*	

cc:

REMARKS: Results reported on a dry weight basis.
Analyses performed by Modified 8015 Method.
Diesel Range Organics.
*Sample contains uknown product at 73000ug/Kg(quantified as #6 Fuel Oil).

DIRECTOR

rn= 12701 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971884/3 05/15/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008132.006
COLLECTED BY: Client DATE COL'D:04/30/97 RECEIVED:05/01/97

SAMPLE: Soil sample, S1-D-6, 0-2
UNITS: ug/L*

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<10	
Acenaphthene	<10	
Fluorene	<10	
Phenanthrene	<10	
Anthracene	<10	
Fluoranthene	<10	
Pyrene	<10	
Benzo(a)anthracene	<10	
Chrysene	<10	
Benzo(b)fluoranthene	<10	
Benzo(k)fluoranthene	<10	
Benzo(a)pyrene	<10	
Indeno(1,2,3-cd)pyrene	<10	
Dibenzo(a,h)anthracene	<10	
Benzo(ghi)perylene	<10	

cc:

REMARKS: * Analysis performed on TCLP Leachate according to USEPA Method 1311.

DIRECTOR

rn= 12776 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971884/4 05/15/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008132.006
COLLECTED BY: Client DATE COL'D:04/30/97 RECEIVED:05/01/97

SAMPLE: Soil sample, S1-D-6, 2-4

ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<1
Vinyl Chloride	ug/Kg	<1
Bromomethane	ug/Kg	<1
Chloroethane	ug/Kg	<1
Trichlorofluomethane	ug/Kg	<1
1,1 Dichloroethene	ug/Kg	<1
Methylene Chloride	ug/Kg	<1
t-1,2-Dichloroethene	ug/Kg	<1
1,1 Dichloroethane	ug/Kg	<1
Chloroform	ug/Kg	<1
111 Trichloroethane	ug/Kg	<1
Carbon Tetrachloride	ug/Kg	<1
Benzene	ug/Kg	<1
1.2 Dichloroethane	ug/Kg	<1
Trichloroethene	ug/Kg	<1
1,2 Dichloropropane	ug/Kg	<1
Bromodichloromethane	ug/Kg	<1
2chloroethvinylether	ug/Kg	<1
t-1,3Dichloropropene	ug/Kg	<1
Toluene	ug/Kg	<1
c-1,3Dichloropropene	ug/Kg	<1
112 Trichloroethane	ug/Kg	<1
Tetrachloroethene	ug/Kg	<1
Chlorodibromomethane	ug/Kg	<1
Chlorobenzene	ug/Kg	<1

ANALYTICAL PARAMETERS		
Ethyl Benzene	ug/Kg	<1
m + p Xylene	ug/Kg	<2
o Xylene	ug/Kg	<1
Bromoform	ug/Kg	<1
1122Tetrachloroethan	ug/Kg	<1
1,2 Dichlorobenzene	ug/Kg	<1
1,3 Dichlorobenzene	ug/Kg	<1
1,4 Dichlorobenzene	ug/Kg	<1
Isopropylbenzene	ug/Kg	<1
n-Propylbenzene	ug/Kg	<1
p-Isopropyltoluene	ug/Kg	<1
124-Trimethylbenzene	ug/Kg	<1
135-Trimethylbenzene	ug/Kg	<1
n-Butylbenzene	ug/Kg	<1
sec-Butylbenzene	ug/Kg	<1
Naphthalene	ug/Kg	<1
ter.ButylMethylEther	ug/Kg	<1

cc:

REMARKS: Analysis was performed by GC/MS, EPA Method 8260.
Results reported on a dry weight basis.

DIRECTOR

rn= 12468 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971884/4 05/15/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008132.006
COLLECTED BY: Client DATE COL'D:04/30/97 RECEIVED:05/01/97

SAMPLE: Soil sample, S1-D-6, 2-4

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons mg/Kg	<11	
% Solids	89	

cc:

REMARKS: EPA Method 418.1.
Results reported on a dry weight basis.

DIRECTOR _____

rn= 12469 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971884/4 05/15/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008132.006
COLLECTED BY: Client DATE COL'D:04/30/97 RECEIVED:05/01/97

SAMPLE: Soil sample, S1-D-6, 2-4
UNITS: ug/Kg

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<34	
Acenaphthene	<34	
Fluorene	<34	
Phenanthrene	<34	
Anthracene	<34	
Fluoranthene	<34	
Pyrene	<34	
Benzo(a)anthracene	<34	
Chrysene	<34	
Benzo(b)fluoranthene	<34	
Benzo(k)fluoranthene	<34	
Benzo(a)pyrene	<34	
Dibenzo(a,h)anthracene	<34	
Indeno(1,2,3-cd)pyrene	<34	
Benzo(ghi)perylene	<34	

cc:

REMARKS: EPA Method 8270.
Results reported on a dry weight basis.

DIRECTOR

rn= 12470 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C971884/4 05/15/97

Geraghty & Miller, Incorporated
88 Duryea Road
Melville, NY 11747
ATTN: Robert Porsche

SOURCE OF SAMPLE: Bethpage, NY0008132.006
COLLECTED BY: Client DATE COL'D:04/30/97 RECEIVED:05/01/97

SAMPLE: Soil sample, S1-D-6, 2-4

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	2.2	
Barium as Ba	mg/Kg	8.2	
Cadmium as Cd	mg/Kg	<0.11	
Chromium as Cr	mg/Kg	4.7	
Lead as Pb	mg/Kg	4.8	
Mercury as Hg	mg/Kg	0.016	
Selenium as Se	mg/Kg	<0.45	
Silver as Ag	mg/Kg	<0.11	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12471 NYSDOH ID# 10320