PHASE II ENVIRONMENTAL SITE ASSESSMENT T1 PARCEL NORTHROP GRUMMAN CORPORATION BETHPAGE, NEW YORK

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Prepared for

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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 T1 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 11.7 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 south of the T1 Parcel are a series of storm water recharge basins, known as the south recharge basin group. Residential and commercial developments are located south of the recharge basins. To the west of the subject property is the S1 Parcel that contains grassed land and sections of the aircraft runway. To the east of the subject property is the U3 Parcel, which also contains grassed land and sections of the aircraft runway. North of the T1 Parcel are buildings known as Plant 1 (which contains offices and the inactive Plant 1 Fuel Depot) and Hangar 7; site maps are provided on Figure 1-2 and 1-3.

On March 11, 1994, the northwestern portion of the T1 Parcel was delisted from the Registry of Inactive Hazardous Waste Disposal Sites (NYSDEC 1996) and on April 7, 1995 the remaining portion of the T1 Parcel was delisted from the registry.

The T1 Parcel is generally level with topography gradually sloping away from the runway and taxiway 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 T1 Parcel was completed in April 1997. The purpose of the Phase II ESA is to document the investigative activities undertaken in accordance with recommendations of the Phase I Environmental 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 ESA of the T1 Parcel and the investigative activities recommended for each. The areas of potential environmental concern, requiring additional investigation, included the following:

- Aircraft runway, taxiway and runway landing lights.
- Storm water dry wells.
- Aircraft calibration pad.

2.1 Aircraft Runway, Taxiway and Runway Landing Lights

The primary use of the T1 Parcel was as an aircraft runway and taxiway. Over the approximately 35 years that the runway and taxiway were used, petroleum hydrocarbons from the incomplete combustion of aircraft fuels and herbicides to control plant growth may have accumulated on the runway and taxiway surfaces. Because storm water drains to the perimeter of the runway and taxiway, soils adjacent to these areas may have been impacted by petroleum hydrocarbons and herbicides.

The drilling of two soil borings (T1-14 and T1-16) was recommended in the vicinity of the runway to investigate soil potentially impacted by runway runoff, or polychlorinated biphenyl (PCB) contamination from leaking runway lights. Based on the land use associated with this AOC, a sample interval of 0 to 4 ft was suggested, with the following analyses to be performed: total petroleum hydrocarbon (TPH), 8 Resource Conservation and Recovery Act (RCRA) Metals, Herbicides and a volatile organic compound (VOC) grab sample based on headspace readings. In addition, the soil boring locations were suggested adjacent to runway landing lights for the collection of a sample for analysis of PCBs.

The drilling of two soil borings (T1-7 and T1-8), was recommended in the vicinity of the taxiway, where aircraft were transported, temporarily staged, displayed, potentially fueled, and/or serviced. Since petroleum hydrocarbons are associated with the fueling and/or servicing of aircraft and

storm water runoff is directed towards the perimeter of the staging areas, the soil adjacent to the aircraft staging areas may have been impacted by petroleum hydrocarbons and was identified as an AOC.

Based on the potential contaminant sources associated with this AOC (aircraft fuels/oils, hydraulics associated with the aircraft), the collection of 2 soil samples at points north and south of the taxiway were suggested. The samples were to be analyzed for TPH, VOCs, and 8 RCRA Metals.

2.2 Storm Water Dry Wells

Seven storm water dry wells (T1-D1 through T1-D7), discharging directly into the ground, were identified on the T1 Parcel. Because of the potential for petroleum hydrocarbons in storm water runoff, the storm water dry wells were considered potential AOCs. The catch basin identified on the T1 parcel was not considered an AOC because no recharge occurs within it; the catch basin is connected to storm water dry wells, where recharge occurs.

The collection of soil samples from 2 discrete intervals beneath the bottom of each storm water dry well was recommended; from 0 to 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) by EPA Method 8270 for the Spill Technology And Remediation Series (STARS) Table 2 parameters.

2.3 Aircraft Calibration Pad (compass rose)

An aircraft calibration pad (T1-10), where aircraft compass' were calibrated, is present on the T1 Parcel. Reportedly, the disc was mechanically rotated with the use of gears, however, it may have, at one time, been hydraulically driven (Stover, 1997). It is also likely that lubricating oil may have been used in the operation of the aircraft calibration pad. Due to the historic use of either lubricating oil or hydraulic fluid, the aircraft calibration pad was identified as an AOC.

Based on the potential contaminant sources associated with this AOC (lubricating oil and/or hydraulic fluid), the collection of 4 samples (from 0 to 4 ft below land surface) at points surrounding the calibration pad were suggested. The samples were to be analyzed for TPH, VOCs, 8 RCRA Metals, and PCBs.

3.0 PHASE II SITE ASSESSMENT - FIELD PROGRAM

This section of the report will provide 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 NYSDEC January 24, 1994 and proposed revision (undated) 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 T1 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 T1 property was previously utilized as an aircraft runway and taxiway. 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) type fuel 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, Total STARS parameters analysis, and analysis by the Toxicity Characteristics Leaching Procedure (TCLP) for STARS parameters. Analysis of these 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 T1 Parcel (compass rose 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 12 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. All samples were submitted to EcoTest Labs, of Babylon, New York for analysis.

3.1 Air Monitoring Activities

During the installation of soil borings, air monitoring for volatile organic vapors in the workers' breathing zone, and at the boreholes was conducted utilizing a photoionization detector (PID). Prior to use, the PID was calibrated using a 100 parts per million (ppm) concentration of isobutylene gas. The PID was also utilized to screen the soil samples for the collection of VOC samples. When multiple soil samples were to be collected from a location (i.e., on either side of the taxiway), 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 T1 Parcel, soil borings were installed at each of the following potential areas of concern:

- Aircraft runway, taxiway and runway landing lights.
- Storm water dry wells.
- Aircraft calibration pad (compass rose).

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 installed utilizing a Geoprobe rig equipped with either 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. 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 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 8270), the eight RCRA metals, herbicides, and PCBs. In locations where no VOC sample was collected, soils were composited and submitted for analysis of TPH, TPH ID, SVOCs (STARS 8270), the eight RCRA metals, herbicides, and PCBs as described in Sections 3.2.1 through 3.2.3 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, Taxiway and Runway Landing Lights

As indicated on Table 3-1, Soil Boring locations T1-7, T1-8, T1-14 and T1-16 were selected to sample soils which had the potential to have been exposed to runway, or taxiway runoff. In addition, Soil Samples T1-14 and T1-16 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 Borings T1-7 and T1-8, a two-point composite soil sample was collected in the following manner: two samples were collected from 0 to 4 ft bg at points on either side of the taxiway. The soils were screened with a PID for selection of a VOC grab sample; the remaining soils from the 0 to 4 ft interval at each location were then composited and samples were collected for analysis of TPH, and the eight RCRA metals. The analytical results are presented in Section 4.1.1.

At Soil Borings T1-14 and T1-16, 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, herbicides, and PCBs. The analytical results are presented in Section 4.1.1

3.2.2 Storm Water Dry Wells

Soil Borings T1-D1 through T1-D7 were installed through the storm water dry wells indicated on Figure 1-3. Two discrete samples were collected beneath each dry well at 0 to 2 and 2 to 4 ft beneath the bottoms of the storm water dry wells. The soils from each discrete zone were composited and samples submitted for analysis of TPH, the eight RCRA metals, VOCs and SVOCs (STARS 8270). The analytical results are presented in Section 4.1.2.

3.2.3 Aircraft Calibration Pad (compass rose)

At Soil Boring T1-10, a four-point composite soil sample was collected in the following manner: four samples were collected from 0 to 4 ft bg at points surrounding (north, south, east, and west) the paved area. The soils were screened with a PID for selection of a VOC grab sample; the remaining soils from the 0 to 4 ft intervals were then composited and samples were collected for analysis of TPH, the eight RCRA metals and PCBs. However, due to a clerical error in the field, the sample from T1-10 was submitted for herbicide analysis rather than PCB analysis. The analytical results are presented in Section 4.1.3.

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 were 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 this section summarize the investigative results as they relate to each AOC. Analytical results of laboratory analyses performed are summarized and compared to the appropriate standards/ guidance values as indicated below. For the 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 4.1.3 describe the compounds detected at each of the potential AOCs. Section 4.2 describes the analytical results of the field blank sample. 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 Total STARS Semi-Volatile Organic Compounds.
- Table 4-7 TCLP STARS Semi-Volatile Organic Compounds.

4.1 Soil Sampling Program

The following sections summarize the soil sampling program for the Phase II Investigation of the T1 Parcel. Soil samples were collected from each of the potential AOCs:

- Aircraft runway, taxiway and runway landing lights.
- Storm water dry wells.
- Aircraft calibration pad.

4.1.1 Aircraft Runway, Taxiway and Runway Landing Lights

Soil Borings T1-7, and T1-8, were installed in the vicinity of the taxiway, Soil Borings T1-14 and T1-16 were installed in the vicinity of the runway and runway landing lights. Analytical results of soil samples collected from these borings are summarized below.

TPH was detected in Soil Samples T1-7, T1-14 and T1-16. 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 these samples, following approval by Northrop Grumman. TPH ID analyses indicated the presence of a product, which was tentatively identified by the lab as very weathered #2 Fuel Oil, in Soil Sample T1-14. Although the product did not exactly match the standards to which it was compared, the lab's interpretation of the chromatograph was that the product detected in this samples most closely resembled a very weathered #2 Fuel Oil or very a mixture of weathered diesel fuel oil and lubricating oil. Analytical results are presented on Table 4-2.

With the exception of methylene chloride detected in T1-14, at 5 ug/kg, no VOCs were detected above method detection limits. Methylene chloride is a common laboratory contaminant and the detection of methylene chloride at 5 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.

Soil Samples T1-7, T1-8, T1-14 and T1-16 were analyzed for the eight RCRA metals. During part one of the field program (March 1997), arsenic (except T1-14(0 to 4 ft)), barium, cadmium (T1-14 only), chromium, lead, and mercury were detected above method detection limits but below Eastern USA Background values and TAGM Appendix A Criteria. Analytical results are shown on Table 4-6. Cadmium was not detected in T1-7, T1-8 and T1-16; selenium and silver were not detected in any sample. At T1-14 (0 to 4 ft), arsenic was detected at 56 mg/kg, above the Eastern USA Background value of 12 mg/kg. Following approval by Northrop Grumman, soil sample T1-14(0 to 4 ft) was

submitted for the analysis of arsenic in the TCLP extract. No arsenic was detected in the TCLP extract from Soil Sample T1-14 (0 to 4 ft). Analytical results are shown on Table 4-4. During part two of the field program (April 1997), additional sampling was performed as part of the Grumman Road Phase II Investigation in the vicinity of the T1-14 location to further delineate the horizontal and vertical distribution of the arsenic impacted soil. Soil Borings T1-14E and T1-14W were located approximately 50 ft east and west, respectively of Soil Boring T1-14. At Soil Borings T1-14(0 to 1 ft), T1-14(1 to 2 ft), T1-14(2 to 4 ft), T1-14E(0 to 1 ft), T1-14E(1 to 2 ft), T1-14E(2 to 4 ft) T1-14W(0 to 1 ft), T1-14W(1 to 2 ft), and T1-14W(2 to 4 ft) arsenic concentrations ranged from 1.9 to 5.9 mg/kg, below the Eastern USA Background value of 12 mg/kg. Although initially detected at 56 mg/kg in T1-14(0 to 4 ft), subsequent analysis indicated that concentrations of arsenic within discrete sample intervals at and around the initial T1-14 location are below the Eastern USA Background value of 12 mg/kg. Soils in the vicinity of the taxiway, runway and runway landing lights are not impacted by metals.

Soil Borings T1-14 and T1-16 were analyzed for herbicides and PCBs. No herbicides or PCBs were detected in any of the soil samples collected in the vicinity of the runway landing lights. Analytical results are presented on Table 4-5.

Samples were collected from Soil Boring T1-14 during part one and two of the Phase II field program for the analysis of STARS Table 2 SVOCs. During part one of the field program (March 1997), benzo(a)anthrecene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene and dibenzo(a,h)anthracene were detected in excess of STARS Human Health Guidance Values. The following compounds were detected in excess of STARS TCLP Alternative Guidance Values: fluoranthene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, and benzo(g,h,i)perylene. During part two of the field program (April 1997), additional sampling was performed in the vicinity of the T1-14 location to further delineate the horizontal and vertical distribution of the SVOC impacted soil. At Soil Borings T1-14(0 to 1 ft), T1-14(1 to 2 ft), T1-14W(0 to 1 ft), T1-14W(1 to 2 ft), and T1-14W(2 to 4 ft) STARS Human Health and/or TCLP Alternative Guidance Values were exceeded for one or more of the following compounds: phenanthrene, anthracene, 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,i)perylene. No SVOCs were detected at T1-14(2 to 4 ft),T1-14E(0 to 1 ft), T1-14E(1 to 2 ft), and T1-14E(2 to 4 ft). All soil samples from Soil Borings T1-14, T1-14E and T1-14W were submitted for analysis of the TCLP extract for SVOCs. Analytical results are summarized on Table 4-6.

No SVOCs were detected in the TCLP extract of the samples from the T1-14, T1-14E and T1-14W soil borings. Analytical results are shown on Table 4-7.

As part of the Grumman Road Phase II Investigation, Geraghty & Miller performed a health Risk Assessment (Geraghty & Miller, 1997) on the data collected from the T1-14, T1-14E and T1-14W 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 T1 Parcel in the vicinity of T1-7, T1-8, T1-14, T1-14E, T1-14W, and T1-16 are not areas of environmental concern.

4.1.2 Storm Water Dry Wells

Soil Borings T1-D1 through T1-D7 were installed through each of the storm water dry wells identified on the T1 Parcel. Analytical results of samples collected are summarized below.

TPH was detected in Soil Borings T1-D1(0 to 2 ft), T1-D2(0 to 2 ft), T1-D6(0 to 2 ft) and T1-D6(2 to 4 ft). In accordance with our standard operating procedure, Geraghty & Miller authorized the analysis of TPH ID for each of these samples, following approval by Northrop Grumman. TPH ID analyses indicated the presence of an unknown petroleum product which was tentatively identified by the lab as #6 Fuel Oil in Soil Samples T1-D1(0 to 2 ft), T1-D2(0 to 2 ft) and T1-D6(0 to 2 ft). Although the product did not exactly match the standard to which it was compared, the lab's interpretation of the chromatograph is that the product detected in these samples most closely resembles #6 Fuel Oil. No petroleum product was identified in T1-D6(2 to 4 ft). Analytical results are presented on Table 4-2.

No VOCs were detected in the storm water dry wells. 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, mercury and selenium (in T1-D2(2 to 4ft)) were detected in the storm water dry wells below applicable Eastern USA Background values and TAGM Appendix A Criteria. Cadmium, selenium (except T1-D2(2 to 4 ft)) and silver were not detected in any of the storm water dry wells. Analytical results are shown on Table 4-4.

Because petroleum products were identified in selected soil samples collected (see above) these samples were analyzed for total SVOCs in STARS Table 2. No SVOCs were detected above the method detection limit in Soil Samples T1-D2(0 to 2 ft), T1-D2(2 to 4 ft), T1-D3(0 to 2ft), T1-D3(2 to 4 ft), T1-D4(0 to 2 ft), T1-D4(2 to 4 ft), T1-D5(0 to 2 ft), T1-D5(2 to 4 ft), and T1-D6(2 to 4 ft). 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)fluroanthene and benzo(k)fluoranthene concentrations) to the sum of the STARS Human Health Guidance Values for the two compounds and the sum of the TCLP Alternative Guidance Values for the two compounds. Analytical results of SVOC analyses are summarized on Table 4-6 along with the guidance values for each compound.

SVOCs were detected in Soil Samples T1-D1(0 to 2 ft), and T1-D6(0 to 2ft). In T1-D1(0 to 2 ft), dibenzo(a,h)anthracene was detected above STARS Human Health Guidance Values. Benzo(a)anthracene, chrysene, benzo(b)fluroanthene/ benzo(k)fluoranthene, benzo(a)pyrene and benzo(g,h,I)perylene were detected above STARS TCLP Alternative Guidance Values. In T1-D6(0 to 2 ft), chrysene was detected above the STARS TCLP Alternative Guidance Value.

No SVOCs were detected in the TCLP extract of samples from the T1-D1(0 to 2 ft) and T1-D6(0 to 2 ft) soil borings. Analytical results are shown on Table 4-7. In accordance with guidance

provided in the STARS Memo (NYSDEC, 1992), the soils from T1-D1(0 to 2 ft) and T1-D6(0 to 2 ft) are petroleum impacted, but not hazardous.

4.1.3 Aircraft Calibration Pad (compass rose)

A four point composite sample (Soil Boring T1-10) was collected from the soils surrounding the compass rose identified on the T1 Parcel. Analytical results of samples collected are summarized below.

TPH was detected at 11 mg/kg; analytical results are presented on Table 4-1. In accordance with our standard operating procedure, Geraghty & Miller authorized the analysis of TPH ID, following approval by Northrop Grumman. No petroleum products were detected in the soil sample from T1-10. Analytical results are presented on Table 4-2.

With the exception of methylene chloride detected in T1-10, at 2 ug/kg, no VOCs were detected above method detection limits. Methylene chloride is a common laboratory contaminant and the detection of methylene chloride at 2 ug/kg is insignificant and below TAGM Appendix A Criteria. 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 below Eastern USA Background ranges or TAGM Appendix A Criteria. Cadmium, selenium and silver were not detected in soil sample T1-10. Analytical results are shown on Table 4-4.

Due to a clerical error, the sample from T1-10 was submitted to the laboratory for the analysis of herbicides rather than PCBs. Geraghty & Miller had sought the PCB analysis of soil sample T1-10 under the assumption that hydraulic fluid containing PCBs may have been used in the operation of the compass rose. Since no petroleum products were identified in the soils at T1-10, it is unlikely that PCB contamination exists at the site. No herbicides were detected in Soil Sample T1-10. Analytical results are shown on Table 4-5.

Based on the analytical data presented above, the compass rose is not an area of environmental concern.

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, taxiway and runway landing lights.
2. Soil from the 0 to 2 ft interval within storm water dry well T1-D1 should be excavated and disposed of off-site, in accordance with STARS. Although T1-D6 (0 to 2 ft) exceeded STARS TCLP Alternative Guidance Values for chrysene, groundwater quality protection was demonstrated via the TCLP Extraction Method. No remedial action is necessary at T1-D6.
3. No further action is required for the soils adjacent to the aircraft calibration pad.

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TABLES

Table 3-1. Soil Sample Locations and Rationale for the Phase II Investigation of the T1 Parcel, Northrop Grumman Corporation, Bethpage, New York.[b]

Sample Location	Analytical Parameters	Sample Depth (ft bg)	Rationale for Sample Locations
T1-7*	1	0-4	Aircraft were staged at these locations and possibly fueled. No previous sampling conducted at this location.
T1-8*	1	0-4	Aircraft were staged at these locations and possibly fueled. No previous sampling conducted at this location.
T1-10*	2	0-4	Possible hydraulic fluid/ gear oil leaking from compass rose area.
T1-14**	3	0-4	For additional coverage, runway runoff, possible PCB contamination from runway lights. No previous sampling conducted at this location.
T1-16	3	0-4	For additional coverage, runway runoff, possible PCB contamination from runway lights. No previous sampling conducted at this location.
T1-D1	4	0-2, 2-4[a]	Dry well, potential contamination due to runway/taxiway runoff.
T1-D2	4	0-2, 2-4[a]	Dry well, potential contamination due to runway/taxiway runoff.
T1-D3	4	0-2, 2-4[a]	Dry well, potential contamination due to runway/taxiway runoff.
T1-D4	4	0-2, 2-4[a]	Dry well, potential contamination due to runway/taxiway runoff.
T1-D5	4	0-2, 2-4[a]	Dry well, potential contamination due to runway/taxiway runoff.
T1-D6	4	0-2, 2-4[a]	Dry well, potential contamination due to runway/taxiway runoff.
T1-D7	4	0-2, 2-4[a]	Dry well, potential contamination due to runway/taxiway runoff.

ft bg Feet below grade.
1 TPH, VOC, 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 PCB's.
3 Analytes from 1 and Herbicides and PCBs.
4 Analytes from 1 and SVOCs (STARS 8270).
5 TPH, VOC, Herbicides, PCB, and 8 RCRA Metals.
* VOC grab sample was selected based upon head space analysis. All other parameters composited from 2 to 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 the bottom of the dry well.
[b] 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 #5.
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.

Table 4-1. Results of TPH Analyses of Soil Samples Collected during the Phase II Investigation of Parcel T1, Northrop Grumman Corporation, Bethpage New York.

Sample ID	Sample Depth (in fbls)	Date Sampled	TPH (units in mg/kg)
T1-7	0-4	3/12/97	13
T1-8	0-4	3/12/97	<10
T1-10	0-4	3/12/97	11
T1-14	0-4	3/14/97	8400
T1-16	0-4	3/12/97	11
T1-D1	0-2	4/30/97	13
T1-D1	2-4	4/30/97	<10
T1-D2	0-2	4/30/97	13
T1-D2	2-4	4/30/97	<12
T1-D3	0-2	4/30/97	<11
T1-D3	2-4	4/30/97	<11
T1-D4	0-2	4/30/97	<11
T1-D4	2-4	4/30/97	<11
T1-D5	0-2	4/30/97	<11
T1-D5	2-4	4/30/97	<11
T1-D6	0-2	5/2/97	15
T1-D6	2-4	5/2/97	13
T1-D7	0-2	4/30/97	<11
T1-D7	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 Milligrams 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 T1 Parcel, Northrop Grumman Corporation, Bethpage, New York.

Parameter (units in ug/kg)	Sample ID: / Sample Depth: / Date Sampled:	T1-7 0-4 Ft 3/12/97	T1-10 0-4 Ft 3/12/97	T1-14 0-4 Ft 3/14/97	T1-16 0-4 Ft 3/12/97	T1-D1 0-2 Ft 4/30/97	T1-D2 0-2 Ft 4/30/97	T1-D6 0-2 Ft 5/2/97	T1-D6 2-4 Ft 5/2/97
Diesel		<200	<200	**510** (a)	<200	<210 (b)	<210 (c)	<220 (d)	<220
# 2 Fuel Oil		<200	<200	<220	<200	<210 (b)	<210 (c)	<220 (d)	<220
# 4 Fuel Oil		<200	<200	<220	<200	<210 (b)	<210 (c)	<220 (d)	<220
# 6 Fuel Oil		<200	<200	<220	<200	<210 (b)	<210 (c)	<220 (d)	<220
Lubricating Oil		<200	<200	**2600** (a)	<200	<210 (b)	<210 (c)	<220 (d)	<220
Mineral Spirits		<200	<200	<220	<200	<210 (b)	<210 (c)	<220 (d)	<220
JP4		<200	<200	<220	<200	<210 (b)	<210 (c)	<220 (d)	<220
JP5		<200	<200	<220	<200	<210 (b)	<210 (c)	<220 (d)	<220
Jet A		<200	<200	<220	<200	<210 (b)	<210 (c)	<220 (d)	<220
Kerosene		<200	<200	<220	<200	<210 (b)	<210 (c)	<220 (d)	<220

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 very weathered #2 Fuel.

(b) Sample contains unknown product at 9700ug/Kg (quantified as #6 Fuel Oil).

(c) Sample contains unknown product at 15000ug/Kg (quantified as #6 Fuel Oil).

(d) Sample contains unknown product at 16000ug/Kg (quantified as #6 Fuel Oil).

Table 4-3. Results of VOC Analyses of Soil Samples Collected During the Phase II Investigation of the T1 Parcel, Northrop Grumman Corporation, Bethpage, New York.

Parameter (units in ug/kg)	Sample ID: / Sample Depth: / Date Sampled:	T1-7 0-4 Ft 3/12/97	T1-8 0-4 Ft 3/12/97	T1-10 0-4 Ft 3/12/97	T1-14 0-4 Ft 3/14/97	T1-16 0-4 Ft 3/12/97	T1-D1 0-2 Ft 4/30/97	T1-D1 2-4 Ft 4/30/97
	NYSDEC TAGM 4046 Appendix A Criteria (1) (units in ug/kg)							
Chloromethane	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	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	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	100	< 1	< 1	**2**	**5**	< 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	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	800	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon tetrachloride	600	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzene	60	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	100	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	700	< 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	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorodibromomethane	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	1700	< 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	< 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.
VOC	Volatile organic compound.
Ft	Feet.
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	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 T1 Parcel, Northrop Grumman Corporation, Bethpage, New York.

Parameter (units in ug/kg)	Sample ID:	T1-D2	T1-D2	T1-D3	T1-D3	T1-D4	T1-D4	T1-D5
	Sample Depth:	0-2 Ft	2-4 Ft	0-2 Ft	2-4 Ft	0-2 Ft	2-4 Ft	0-2 Ft
	Date Sampled:	4/30/97	4/30/97	4/30/97	4/30/97	4/30/97	4/30/97	4/30/97
	NYSDEC TAGM 4046 Appendix A Criteria (1) (units in ug/kg)							
Chloromethane	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl chloride	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	< 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	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	800	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbon tetrachloride	600	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzene	60	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	100	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	700	< 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	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorodibromomethane	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	1700	< 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	< 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.
VOC	Volatile organic compound.
Ft	Feet.
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	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 T1 Parcel, Northrop Grumman Corporation, Bethpage, New York.

Parameter (units in ug/kg)	Sample ID: / Sample Depth: / Date Sampled:	NYSDEC TAGM 4046 Appendix A Criteria (1) (units in ug/kg)	T1-D5 2-4 Ft 4/30/97	T1-D6 0-2 Ft 5/2/97	T1-D6 2-4 Ft 5/2/97	T1-D7 0-2 Ft 4/30/97	T1-D7 2-4 Ft 4/30/97	FB31297[2] 3/12/97
Chloromethane		--	< 1	< 1	< 1	< 2	< 1	< 1
Vinyl chloride		200	< 1	< 1	< 1	< 2	< 1	< 1
Bromomethane		--	< 1	< 1	< 1	< 2	< 1	< 1
Chloroethane		1900	< 1	< 1	< 1	< 2	< 1	< 1
Trichlorofluoromethane		--	< 1	< 1	< 1	< 2	< 1	< 1
1,1-Dichloroethene		400	< 1	< 1	< 1	< 2	< 1	< 1
Methylene chloride		100	< 1	< 1	< 1	< 2	< 1	< 1
trans-1,2-Dichloroethene		300	< 1	< 1	< 1	< 2	< 1	< 1
1,1-Dichloroethane		200	< 1	< 1	< 1	< 2	< 1	< 1
Chloroform		300	< 1	< 1	< 1	< 2	< 1	3
1,1,1-Trichloroethane		800	< 1	< 1	< 1	< 2	< 1	< 1
Carbon tetrachloride		600	< 1	< 1	< 1	< 2	< 1	< 1
Benzene		60	< 1	< 1	< 1	< 2	< 1	< 1
1,2-Dichloroethane		100	< 1	< 1	< 1	< 2	< 1	< 1
Trichloroethene		700	< 1	< 1	< 1	< 2	< 1	< 1
1,2-Dichloropropane		--	< 1	< 1	< 1	< 2	< 1	< 1
Bromodichloromethane		--	< 1	< 1	< 1	< 2	< 1	< 1
2-Chloroethyvinylether		--	< 1	< 1	< 1	< 2	< 1	< 1
trans-1,3-Dichloropropene		--	< 1	< 1	< 1	< 2	< 1	< 1
Toluene		1500	< 1	< 1	< 1	< 2	< 1	< 1
cis-1,3-Dichloropropene		--	< 1	< 1	< 1	< 2	< 1	< 1
1,1,2-Trichloroethane		--	< 1	< 1	< 1	< 2	< 1	< 1
Tetrachloroethene		1400	< 1	< 1	< 1	< 2	< 1	< 1
Chlorodibromomethane		--	< 1	< 1	< 1	< 2	< 1	< 1
Chlorobenzene		1700	< 1	< 1	< 1	< 2	< 1	< 1
Ethylbenzene		5500	< 1	< 1	< 1	< 2	< 1	< 1
m+p Xylene		1200*	< 2	< 2	< 2	< 4	< 2	< 2
o-Xylene		1200*	< 1	< 1	< 1	< 2	< 1	< 1
Bromoform		--	< 1	< 1	< 1	< 2	< 1	< 1
1,1,2,2-Tetrachloroethane		600	< 1	< 1	< 1	< 2	< 1	< 1
1,2-Dichlorobenzene		7900	< 1	< 1	< 1	< 2	< 1	< 1
1,3-Dichlorobenzene		1600	< 1	< 1	< 1	< 2	< 1	< 1
1,4-Dichlorobenzene		8500	< 1	< 1	< 1	< 2	< 1	< 1
Isopropylbenzene		--	< 1	< 1	< 1	< 2	< 1	< 1
n-Propylbenzene		--	< 1	< 1	< 1	< 2	< 1	< 1
p-Isopropyltoluene		--	< 1	< 1	< 1	< 2	< 1	< 1
1,2,4-Trimethylbenzene		--	< 1	< 1	< 1	< 2	< 1	< 1
1,3,5-Trimethylbenzene		--	< 1	< 1	< 1	< 2	< 1	< 1
n-Butylbenzene		--	< 1	< 1	< 1	< 2	< 1	< 1
sec-Butylbenzene		--	< 1	< 1	< 1	< 2	< 1	< 1
Naphthalene		1300	< 1	< 1	< 1	< 2	< 1	< 1
Metyl tert-butyl ether		--	< 1	< 1	< 1	< 2	< 1	< 1

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

ug/kg	Micrograms per kilogram.
VOC	Volatile organic compound.
Ft	Feet.
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	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 T1 Parcel, Northrop Grumman Corporation, Bethpage, New York.

Parameter (units in mg/kg)		Sample ID:	T1-7	T1-8	T1-10	T1-14	T1-14	T1-14	T1-14	T1-14E	T1-14E
		Sample Depth:	0-4 Ft	0-4 Ft	0-4 Ft	0-4 Ft	0-1Ft	1-2 Ft	2-4 Ft	0-1Ft	1-2 Ft
		Date Sampled:	3/12/97	3/12/97	3/12/97	3/14/97 (a)	4/3/97	4/3/97	4/3/97	4/3/97	4/3/97
	TCLP Regulatory Limits (2) (units in mg/L)	Eastern USA Background (1) (units in mg/kg)									
Arsenic	5.0	3-12*	**1.2**	**1.7**	**1.6**	**56**	**5.9**	**2.8**	**2.9**	**2.3**	**2.1**
Barium	100	15-600	**7.5**	**14**	**8.6**	**17**	--	--	--	--	--
Cadmium	1.0	0.1-1, (10[3])	< 0.10	< 0.10	< 0.10	0.39	--	--	--	--	--
Chromium	5.0	1.5-40**, (50[3])	**5.7**	**7.9**	**5.1**	**8.5**	--	--	--	--	--
Lead	5.0	200-500**	**2.2**	**5.1**	**5.7**	**22**	--	--	--	--	--
Mercury	0.2	0.001-0.2	**0.011**	**0.032**	**0.038**	**0.068**	--	--	--	--	--
Selenium	1.0	0.1-3.9	< 0.40	< 0.40	< 0.40	0.51	--	--	--	--	--
Silver	5.0	N/A	< 0.10	< 0.10	< 0.10	<0.11	--	--	--	--	--
TCLP Metals (units in mg/L)											
Arsenic	5.0	3-12*	--	--	--	<1.5	--	--	--	--	--

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	NYSDEC Technical and Administrative Guidance Memorandum. No. 4046
NYSDEC	New York State Department of Environmental Conservation.
--	Not analyzed.
(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 T1 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:	T1-14E	T1-14W	T1-14W	T1-14W	T1-16	T1-D1	T1-D1	T1-D2	T1-D2	T1-D3
			Sample Depth:	2-4 Ft	0-1Ft	1-2 Ft	2-4 Ft	0-4 Ft	0-2 Ft	2-4 Ft	0-2 Ft	2-4 Ft	0-2 Ft
			Date Sampled:	4/3/97	4/3/97	4/3/97	4/3/97	3/12/97	4/30/97	4/30/97	4/30/97	4/30/97	4/30/97
Arsenic	5.0	3-12*		**1.9**	**5.7**	**2.2**	**2.8**	**1.8**	**9**	**9.4**	**4.3**	**1.9**	**1.4**
Barium	100	15-600		--	--	--	--	**13**	**2.9**	**3.4**	**5.2**	**3**	**5.8**
Cadmium	1.0	0.1-1, (10[3])		--	--	--	--	< 0.10	<0.1	<0.1	<0.11	<0.12	<0.11
Chromium	5.0	1.5-40**, (50[3])		--	--	--	--	**6.4**	**2.6**	**5.6**	**4.8**	**5.1**	**3**
Lead	5.0	200-500**		--	--	--	--	**3.6**	**10**	**2.8**	**10**	**1.4**	**2.9**
Mercury	0.2	0.001-0.2		--	--	--	--	**0.071**	**0.033**	**<0.0052**	**0.013**	**<0.006**	**0.009**
Selenium	1.0	0.1-3.9		--	--	--	--	< 0.40	<0.42	<0.42	<0.43	,0.48	<0.43
Silver	5.0	N/A		--	--	--	--	< 0.10	<0.1	<0.1	<0.11	<0.12	<0.11
TCLP Metals (units in mg/L)													
Arsenic	5.0	3-12*		--	--	--	--	--	--	--	--	--	--

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	NYSDEC Technical and Administrative Guidance Memorandum. No. 4046
NYSDEC	New York State Department of Environmental Conservation.
--	Not analyzed.
(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 T1 Parcel, Northrop Grumman Corporation, Bethpage, New York.

Parameter (units in mg/kg)			Sample ID:	T1-D3	T1-D4	T1-D4	T1-D5	T1-D5	T1-D6	T1-D6	T1-D7	T1-D7	FB31297[4]
			Sample Depth:	2-4 Ft	0-2 Ft	2-4 Ft	0-2 Ft	2-4 Ft	0-2 Ft	2-4 Ft	0-2 Ft	2-4 Ft	
			Date Sampled:	4/30/97	4/30/97	4/30/97	4/30/97	4/30/97	5/2/97	5/2/97	4/30/97	4/30/97	3/12/97
	TCLP Regulatory Limits (2) (units in mg/L)	Eastern USA Background (1) (units in mg/kg)											
Arsenic	5.0	3-12*		**0.97**	**1.4**	**1.3**	**1.7**	**2**	**2.2**	**2.2**	**0.75**	**2.2**	<0.002
Barium	100	15-600		**5.6**	**5.1**	**5.8**	**10**	**11**	**15**	**13**	**3.7**	**14**	<0.05
Cadmium	1.0	0.1-1, (10[3])		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	**0.11**	<0.11	<0.01
Chromium	5.0	1.5-40**, (50[3])		**4.6**	**2.9**	**3.4**	**5.5**	**5.2**	**7.8**	**6**	**3**	**7.5**	<0.02
Lead	5.0	200-500**		**1.4**	**5.5**	**2.6**	**7.2**	**2.5**	**5.2**	**4.3**	**6.4**	**7.1**	<0.10
Mercury	0.2	0.001-0.2		**<0.0055**	**0.019**	**0.006**	**0.015**	**<0.0053**	**0.023**	**0.029**	**0.0059**	**0.016**	<0.00025
Selenium	1.0	0.1-3.9		<0.44	<0.43	<0.44	<0.43	<0.43	<0.43	<0.44	<0.43	<0.44	<0.002
Silver	5.0	N/A		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.01
TCLP Metals (units in mg/L)													
Arsenic	5.0	3-12*		--	--	--	--	--	--	--	--	--	--

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	NYSDEC Technical and Administrative Guidance Memorandum. No. 4046
NYSDEC	New York State Department of Environmental Conservation.
--	Not analyzed.
(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 T1 Parcel, Northrop Grumman Corporation, Bethpage, New York.

Parameter (units in ug/kg)	Sample ID: / Sample Depth: / Date Sampled:	T1-10 0-4 Ft 3/12/97	T1-14 0-4 Ft 3/14/97 [a]	T1-16 0-4 Ft 3/12/97	FB31297[1] 3/12/97
	NYSDEC TAGM 4046 APPENDIX A CRITERIA[b] (units in ug/kg)				
Herbicides					
2,4-D	500	< 10	<11	< 10	<0.1
Dalapon	--	< 100	<110	< 100	2.4
Dicamba	--	< 80	<88	< 80	<0.8
Dinoseb	--	< 20	<22	< 20	<0.2
Pentachlorophenol	1000	< 4	<4	< 4	<0.04
Pichloram	--	< 10	<11	< 10	<0.1
2,4,5-TP	1900	< 5	<6	< 5	<0.05
PCBs					
Aroclor 1016	1000*	NA	<44	< 40	<1
Aroclor 1221	1000*	NA	<44	< 40	<1
Aroclor 1232	1000*	NA	<44	< 40	<1
Aroclor 1242	1000*	NA	<44	< 40	<1
Aroclor 1248	1000*	NA	<44	< 40	<1
Aroclor 1254	1000*	NA	<44	< 40	<1
Aroclor 1260	1000*	NA	<44	< 40	<1

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

ug/kg	Micrograms per kilogram.
Ft	Feet.
*	Total PCBs.
TAGM	NYSDEC Technical and Administrative Guidance Memorandum.
PCBs	Polychlorinated Biphenyl.
--	Not applicable or not available.
NA	Not analyzed.
(a)	Sample collected during Grumman Road Investigation.
(b)	HWR-94-4046 January 24, 1994 (Revised), and proposed revision (undated).
(1)	Field blank is a liquid sample, units are in micrograms per liter.

Table 4-6. Results of STARS Semivolatile Organic Compound Analyses of Soil Samples Collected During the Phases II Investigation of the T1 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)	Sample ID: T1-14 Sample Depth: 0-4 Date Sampled: 3/14/97	T1-D1 0-2 4/30/97	T1-D1 2-4 4/30/97	T1-D2 0-2 4/30/97	T1-D2 2-4 4/30/97	T1-D3 0-2 4/30/97	T1-D3 2-4 4/30/97	T1-D4 0-2 4/30/97
Semivolatile Organic Compounds										
Naphthalene	200	$3.0x10^5$	<33	<31	<31	<32	<36	<32	<33	<32
Acenaphthene	400	$5.0x10^6$	<33	<31	<31	<32	<36	<32	<33	<32
Fluorene	1000	$3.0x10^6$	<33	<31	<31	<32	<36	<32	<33	<32
Phenathrene	1000	--	360	<31	<31	<32	<36	<32	<33	<32
Anthracene	1000	$2.0x10^7$	57	<31	<31	<32	<36	<32	<33	<32
Fluoranthene	1000	$3.0x10^6$	1100	100	<31	<32	<36	<32	<33	<32
Pyrene	1000	$2.0x10^6$	940	110	<31	<32	<36	<32	<33	<32
Benzo(a)anthracene	0.04	220	570	33	<31	<32	<36	<32	<33	<32
Chrysene	0.04	--	530	61	<31	<32	<36	<32	<33	<32
Benzo(b)fluoranthene/Benzo(k)fluorathene*	0.04/0.04	220/220	960	130	<31	<32	<36	<32	<33	<32
Benzo(a)pyrene	0.04	61	480	53	<31	<32	<36	<32	<33	<32
Indeno (1,2,3-cd)pyrene	0.04	--	96	<31	<31	<32	<36	<32	<33	<32
Dibenzo(a,h)anthracene	1000	14	240	33	<31	<32	<36	<32	<33	<32
Benzo(g,h,i)perylene	0.04	--	240	33	<31	<32	<36	<32	<33	<32

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

ug/kg	Micrograms per kilogram.
--	Not applicable or not available.
TCLP	Toxicity Characteristics Leaching Procedures.
STARS	NYSDEC Spill Technology and Remediation Series.
NYSDEC	New York State Department of Environmental Conservation.
*	Isomers cannot be separated.

Table 4-6. Results of STARS Semivolatile Organic Compound Analyses of Soil Samples Collected During the Phases II Investigation of the T1 Parcel, Northrop Grumman Corporation, Bethpage, New York.

Parameter (units in ug/kg)			Sample ID:	T1-D4	T1-D5	T1-D5	T1-D6	T1-D6	T1-D7	T1-D7	T1-14
			Sample Depth:	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-1
			Date Sampled:	4/30/97	4/30/97	4/30/97	5/2/97	5/2/97	4/30/97	4/30/97	4/30/97
Semivolatile Organic Compounds	STARS TCLP Alternative Guidance Value (units in ug/kg)	STARS Human Health Guidance Value (units in ug/kg)									
Naphthalene	200	$3.0x10^5$		<33	<33	<32	<33	<33	<33	<33	<34
Acenaphthene	400	$5.0x10^6$		<33	<33	<32	<33	<33	<33	<33	250
Fluorene	1000	$3.0x10^6$		<33	<33	<32	<33	<33	<33	<33	450
Phenathrene	1000	--		<33	<33	<32	34	<33	<33	<33	15000
Anthracene	1000	$2.0x10^7$		<33	<33	<32	<33	<33	<33	<33	2600
Fluoranthene	1000	$3.0x10^6$		<33	<33	<32	63	<33	<33	<33	36000
Pyrene	1000	$2.0x10^6$		<33	<33	<32	66	<33	<33	<33	37000
Benzo(a)anthracene	0.04	220		<33	<33	<32	<33	<33	<33	<33	14000
Chrysene	0.04	--		<33	<33	<32	34	<33	<33	<33	16000
Benzo(b)fluoranthene/Benzo(k)fluorathene*	0.04/0.04	220/220		<33	<33	<32	<33	<33	<33	<33	29000
Benzo(a)pyrene	0.04	61		<33	<33	<32	<33	<33	<33	<33	15000
Indeno (1,2,3-cd)pyrene	0.04	--		<33	<33	<32	<33	<33	<33	<33	2500
Dibenzo(a,h)anthracene	1000	14		<33	<33	<32	<33	<33	<33	<33	6400
Benzo(g,h,l)perylene	0.04	--		<33	<33	<32	<33	<33	<33	<33	6100

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

ug/kg	Micrograms per kilogram.
--	Not applicable or not available.
TCLP	Toxicity Characteristics Leaching Procedures.
STARS	NYSDEC Spill Technology and Remediation Series.
NYSDEC	New York State Department of Environmental Conservation.
*	Isomers cannot be separated.

Table 4-6. Results of STARS Semivolatile Organic Compound Analyses of Soil Samples Collected During the Phases II Investigation of the T1 Parcel, Northrop Grumman Corporation, Bethpage, New York.

Parameter (units in ug/kg)	Sample ID:	T1-14	T1-14	T1-14E	T1-14E	T1-14E	T1-14W	T1-14W	T1-14W
	Sample Depth:	1-2	2-4	0-1	1-2	2-4	0-1	1-2	2-4
	Date Sampled:	4/30/97	4/30/97	4/30/97	4/30/97	4/30/97	4/30/97	4/30/97	4/30/97
Semivolatile Organic Compounds	STARS TCLP Alternative Guidance Value (units in ug/kg)	STARS Human Health Guidance Value (units in ug/kg)							
Naphthalene	200	$3.0x10^5$	<34	<33	<32	<33	<33	<35	<33	<32
Acenaphthene	400	$5.0x10^6$	<34	<33	<32	<33	<33	60	<33	<32
Fluorene	1000	$3.0x10^6$	<34	<33	<32	<33	<33	84	<33	<32
Phenathrene	1000	--	540	<33	<32	<33	<33	3100	730	140
Anthracene	1000	$2.0x10^7$	90	<33	<32	<33	<33	570	130	<32
Fluoranthene	1000	$3.0x10^6$	1400	<33	<32	<33	<33	9000	2000	350
Pyrene	1000	$2.0x10^6$	1400	<33	<32	<33	<33	8100	2000	340
Benzo(a)anthracene	0.04	220	550	<33	<32	<33	<33	2800	790	130
Chrysene	0.04	--	620	<33	<32	<33	<33	3100	890	150
Benzo(b)fluoranthene/Benzo(k)fluorathene*	0.04/0.04	220/220	1200	<33	<32	<33	<33	5700	1800	300
Benzo(a)pyrene	0.04	61	620	<33	<32	<33	<33	3100	870	150
Indeno (1,2,3-cd)pyrene	0.04	--	100	<33	<32	<33	<33	340	130	<32
Dibenzo(a,h)anthracene	1000	14	250	<33	<32	<33	<33	830	310	53
Benzo(g,h,i)perylene	0.04	--	240	<33	<32	<33	<33	770	300	51

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

ug/kg	Micrograms per kilogram.
--	Not applicable or not available.
TCLP	Toxicity Characteristics Leaching Procedures.
STARS	NYSDEC Spill Technology and Remediation Series.
NYSDEC	New York State Department of Environmental Conservation.
*	Isomers cannot be separated.

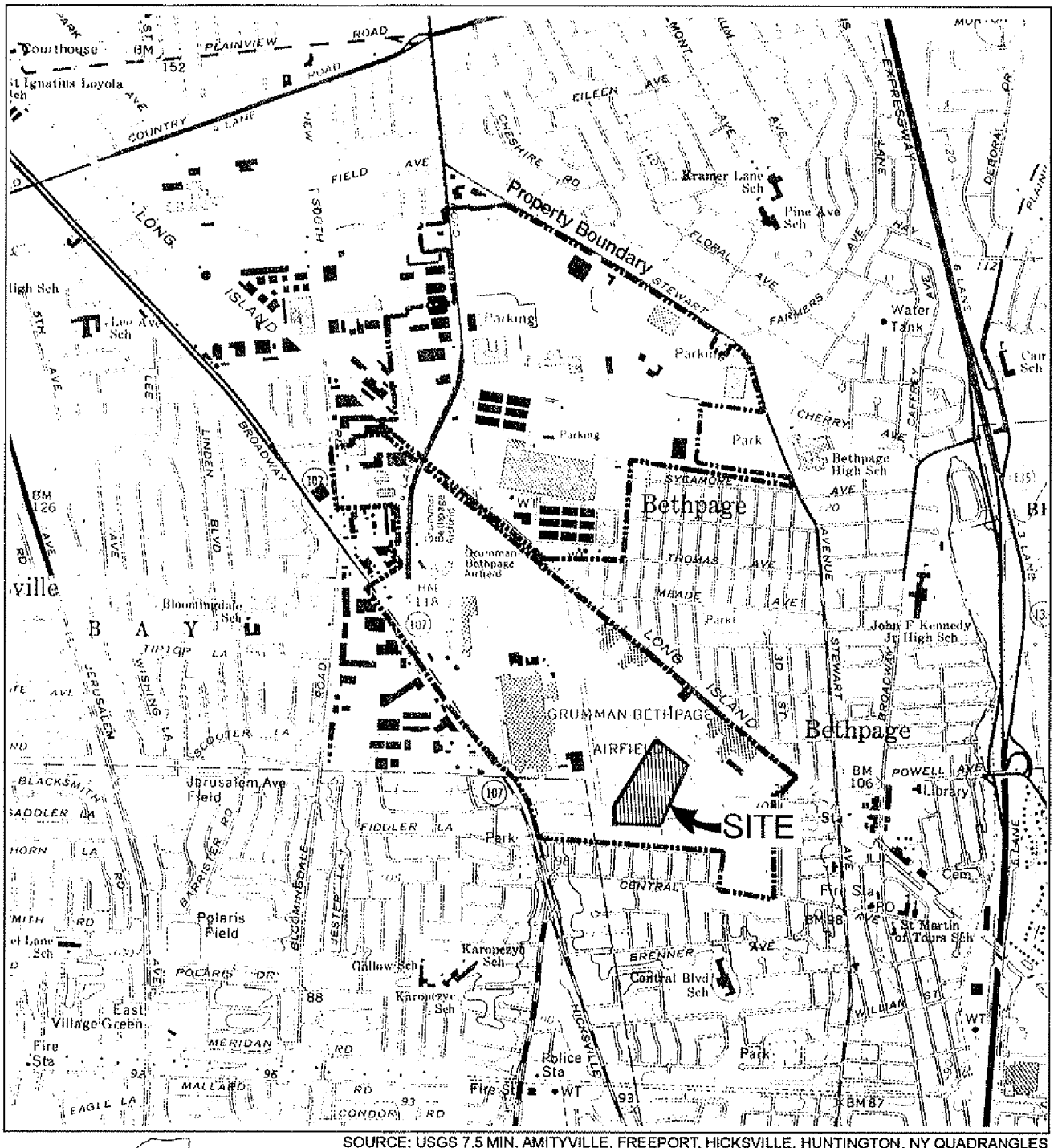
Table 4-7. Results of TCLP STARS 8270 Analyses of Soil Samples Collected During the Phase II Investigation of the T1 Parcel Northrop Grumman Corporation, Bethpage, New York.

Parameter (units in ug/L)	Sample ID:	T1-14	T1-D1	T1-D6	T1-14	T1-14	T1-14	T1-14E	T1-14E	T1-14E	T1-14W	T1-14W	T1-14W
	Sample Depth:	0-4	0-2	0-2	0-1	1-2	2-4	0-1	1-2	2-4	0-1	1-2	2-4
	Date Sampled:	3/14/97	4/30/97	4/30/97	4/30/97	4/30/97	4/30/97	4/30/97	4/30/97	4/30/97	4/30/97	4/30/97	4/30/97
	STARS TCLP Extraction Guidance Value (units in ug/L)												
Semivolatile Organic Compounds													
Naphthalene	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acenaphthene	20	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Fluorene	50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Phenathrene	50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Anthracene	50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Fluoranthene	50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Pyrene	50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(a)anthracene	0.002	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Chrysene	0.002	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(b)fluoranthene	0.002	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(k)fluoranthene	0.002	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(a)pyrene	0.002	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Indeno (1,2,3-cd)pyrene	0.002	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Dibenzo(a,h)anthracene	50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(g,h,i)perylene	0.002	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

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

ug/L	Micrograms per liter.
TCLP	Toxicity Characteristics Leachate Procedures.
STARS	NYSDEC Spill Technology and Remediation Series.
NYSDEC	New York State Department of Environmental Conservation.

FIGURES



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

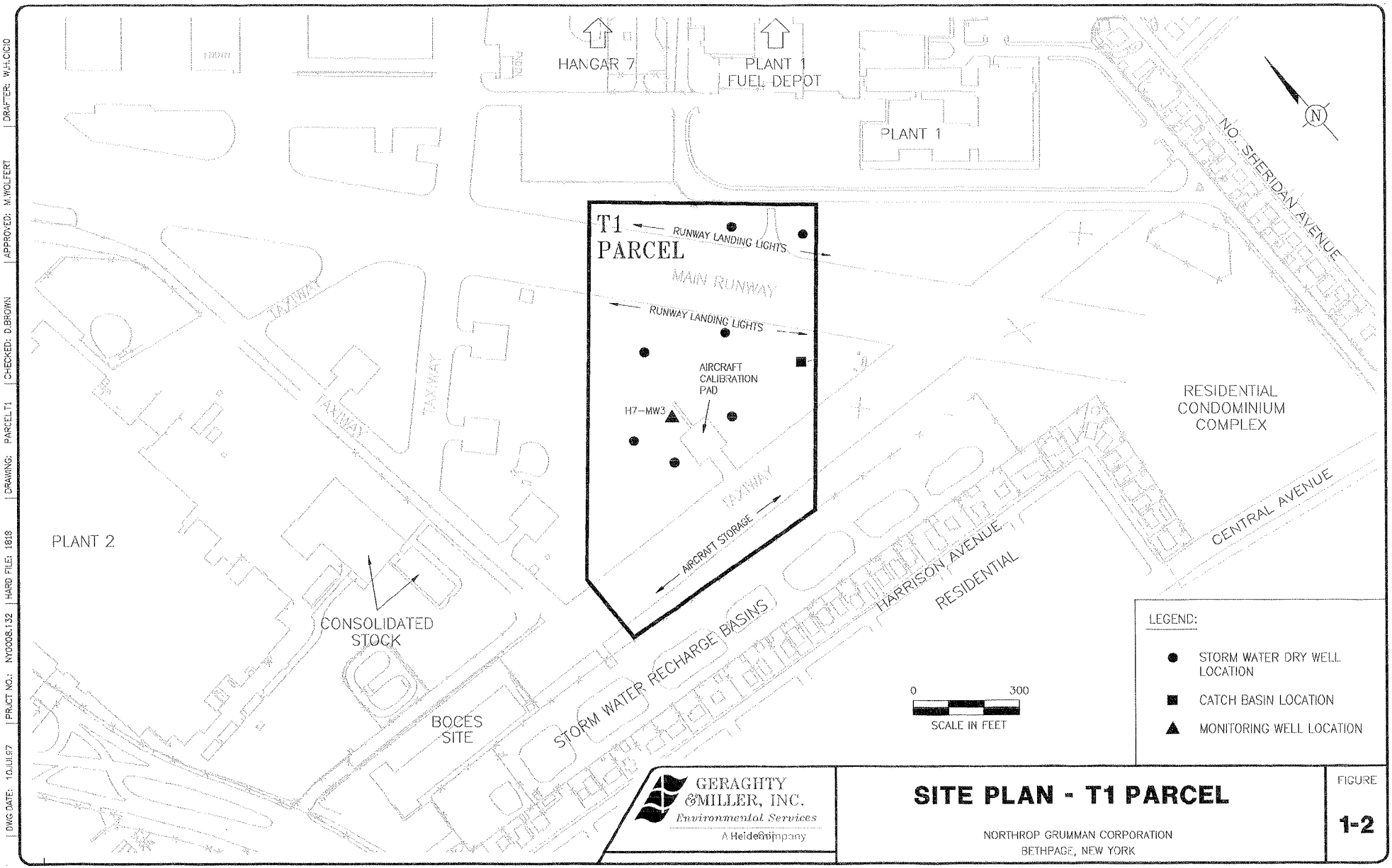
GERAGHTY & MILLER, INC.
Environment and Infrastructure
a heidemij company

SITE LOCATION
T1 PARCEL

NORTHROP GRUMMAN CORPORATION
BETHPAGE, NEW YORK

FIGURE
1-1

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



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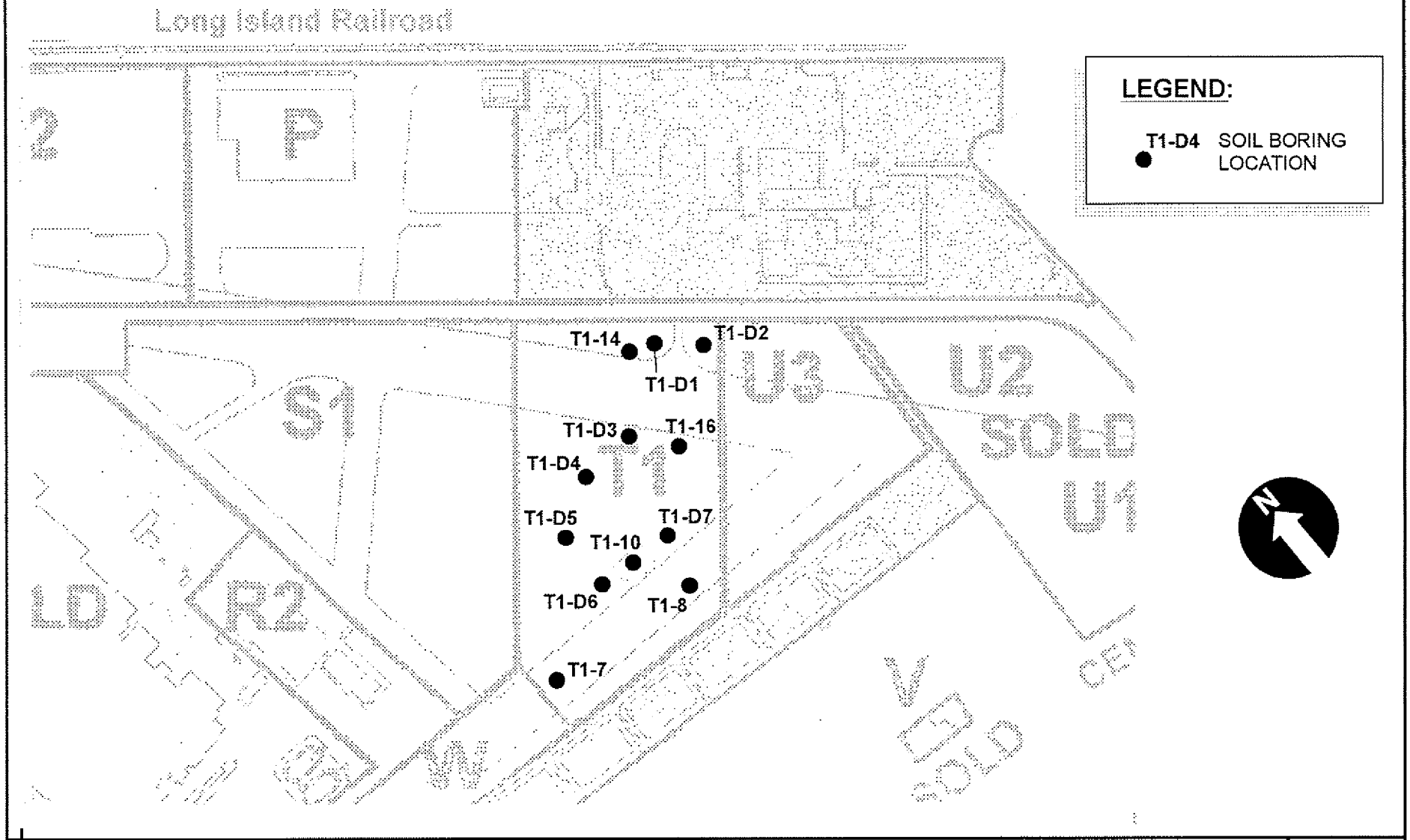
GERAGHTY & MILLER, INC.
Environmental Services
A Heidelberg Company

SITE PLAN - T1 PARCEL

NORTHROP GRUMMAN CORPORATION
BETHPAGE, NEW YORK

FIGURE
1-2

DWG DATE: 23JUL97	PRJCT NO.: PROPOSAL	FILE: 1818	DRAWING: T1-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 T1 PARCEL

NORTHROP GRUMMAN CORPORATION
BETHPAGE, NEW YORK

FIGURE
1-3

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

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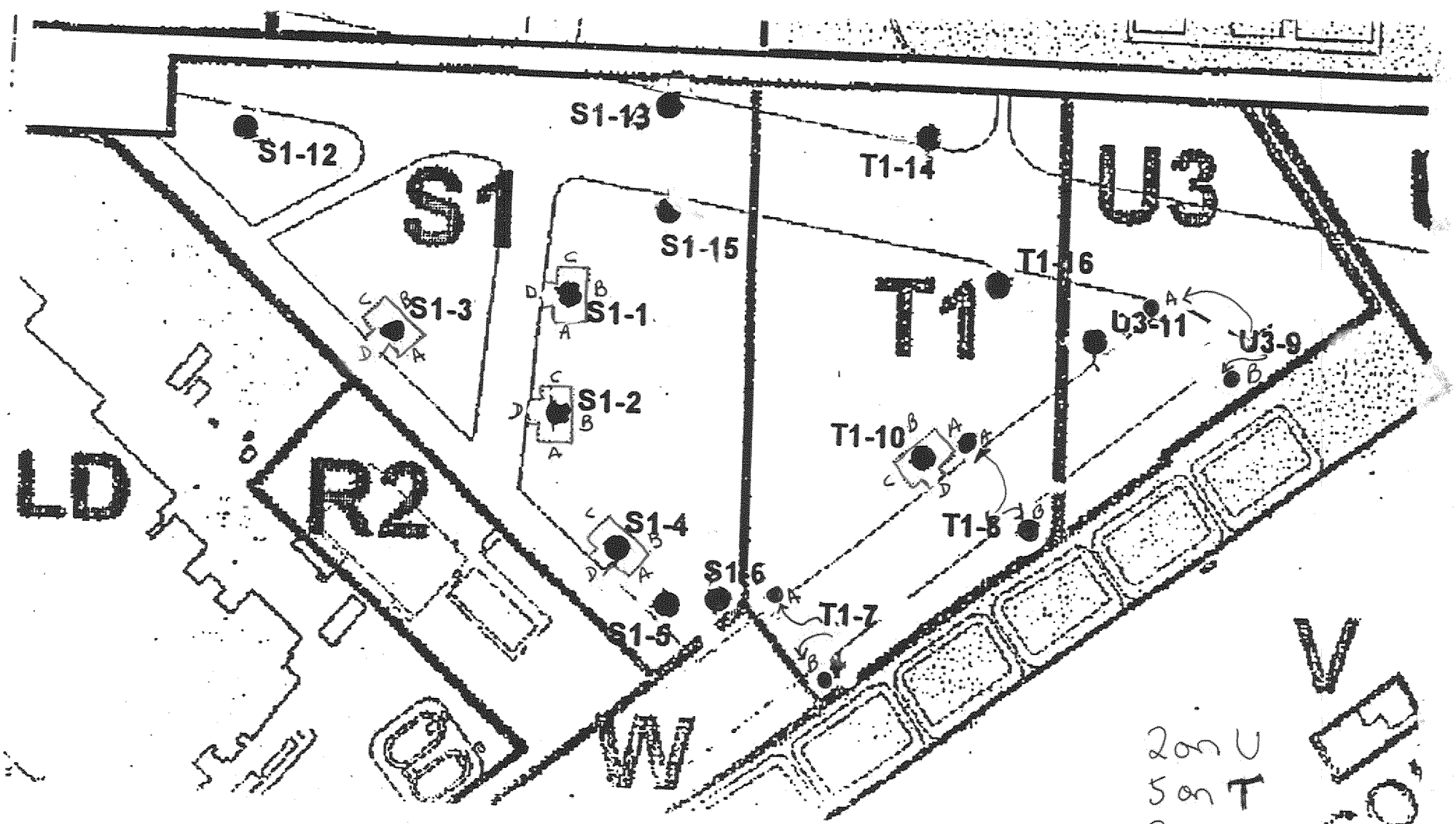
Sample Log

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



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

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No.________

CHAIN-OF-CUSTODY RECORD

Page____ of____

Project Number: NY0008117.002
Project Location: BETHPAGE, N.Y.
Laboratory: ECOTEST
Sampler(s)/Affiliation: G. WILLIAMS / D. BROWN

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	2oz JAR 8240 (1)	8oz JAR 8021 TCLP (3)	8oz JAR TPH (2)	8oz JAR Arcia metals	8oz JAR Herbicides	8oz JAR Pesticides 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	1	1						4
S1-15	|	|		1	1	1	1	1					4
T1-7	|	|		1	1	2							4
T1-8	|	|		1	1	2							4
T1-10	|	|		1	1	1	1						4
T1-16	|	|		1	1	1	1	1					4
D3-9	|	|		1	1	2							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]
Received by: ____ Organization: ____ Date 3/12/97 Time ____
Seal Intact? Yes No N/A

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

Special Instructions/Remarks: [illegible handwritten remarks]

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

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Environmental Services

Laboratory Task Order No.________

(3) [illegible]

CHAIN-OF-CUSTODY RECORD

Page 1 of 2

Project Number NY0008115002
Project Location Bethpage, NY
Laboratory ECOTEST
Sampler(s)/Affiliation G. Wittman

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	8 oz TBC 8240 (VOA)	2 oz jar TCLP [illegible]	2 oz jar TPH (2)	8 oz jar TPH (2) 8 RCRA metals	8 oz jar Herb PCB					TOTAL
GR-02 (0-4)		3-14-97		1	1	2							4
GR-01 (4-15)				ø			2						2
GR-02 (4-15)				1	1								2
SI-13 (0-4)				1	1		1	1					4
SI-13 (4-15)							ø 2	ø					2
SI-13 (4-15)				1	1								2
TI-14 (0-4)				1	1		1	1					4
TI-14 (4-15)							2						2
TI-14 (4-15)				1	1								2
GR-07 (0-4)				1		1	2						4
GR-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: [signature] Received by: [signature]	Organization: GTM Organization: [illegible]	Date 3/14/97 Time 4:15	Seal Intact? Yes No N/A
Relinquished by: Received by:	Organization: Organization:	Date / / Time	Seal Intact? Yes No N/A

Special Instructions/Remarks: (1) PLEASE INCLUDE PARAMETER LIST FOR 8 RCRA METALS TABLE & TIN 8240 ANALYSIS (2) IF TPH IS MEASURED NOTIFY ROB PORSCHE FOR POSSIBLE 8015 (DRO) ANALYSES. AFTER SUBMITTING TPH ID ADDITIONAL & TOTAL AND TCLP 8270 [illegible] ANALYSES MAY BE NEEDED

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

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No.________

CHAIN-OF-CUSTODY RECORD

Page______ of______

Project Number NY0008117.002
Project Location BETHPAGE NY
Laboratory ECOTEST (?)
Sampler(s)/Affiliation [illegible] / [illegible]

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	40ml VOA 8240 (?)	1 Liter Amber [illegible] (?)	1 L Amber Herbicide (?)	1 L Amber PCB (?)	120ml [illegible] RCRA metals (?)					TOTAL
FB3.1297	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 ________ (SPECIFY) ☐ Lab Courier ☐ Other ________ (SPECIFY)

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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
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

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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 8270 TCLP 8270 STARS	8oz JAR TPH+8270 STARS 8 RCRA METALS							TOTAL
S1-D1(0-2)	S	5-2-97		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		BD	8260	5 Bus Dry			3
U3-D4(2-4)				1	1				8270	3 Bus Dry			2
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			3
								TCLP -		will notify			

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

Total No. of Bottles/Containers: 36

Relinquished by: [illegible] Received by:	Organization: [illegible] Organization:	Date 5/2/97 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 handwriting]

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

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Environmental Services

Laboratory Task Order No.________

CHAIN-OF-CUSTODY RECORD

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Project Number NY000832.006

Project Location BETHPAGE NY

Laboratory ECOTEST

Sampler(s)/Affiliation G-WILLIAMS

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	2oz JAR 8021 STARS *†	8oz JAR TPH * PCB	8oz JAR TOTAL AND TCLP ** 8270 STARS							TOTAL
U3-19 (0-2)	S	5-2-97		1	1	1							3
U3-19 (2-4)	↓	↓		1	1	1							3

TPH 24HR
TPHED 24HR
PCB 10 DAY
8270 - WEEK / NOTIFY

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

Total No. of Bottles/Containers: 6

Relinquished by: [signature] Received by:	Organization: G-M Organization:	Date 5/2/97 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: ** HOLD PENDING NOTIFICATION
[illegible]

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

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Environmental Services

Laboratory Task Order No._____

CHAIN-OF-CUSTODY RECORD

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Project Number NY000813.2006

Project Location BETHPAGE NY

Laboratory ECOTEST

Sampler(s)/Affiliation G. WILLIAMS

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	SAMPLE BOTTLE / CONTAINER DESCRIPTION: 202 JAR 8260 + STARCH	202 JAR TCLP 8021/8270 + STARCH*	802 JAR TPH* 8270 SAME	8 RCRA METALS	TOTAL
S1-D-5(0-2)	S	4-30-97						3
S1-D5(2-4)								3
S1-D6(0-2)								3
S1-D6(2-4)								3
T1-D7(0-2)								3
T1-D7(2-4)								3
T1-D5(0-2)								3
T1-D5(2-4)								3
T1-D4(0-2)								3
T1-D4(2-4)								3
T1-D3(0-2)								3
T1-D3(2-4)								3
T1-D2(0-2)								3
T1-D2(2-4)								3
T1-D1(0-2)								3
T1-D1(2-4)								3

TURNAROUND TIMES
8260 — 5 BUS DAY
8270 — 3 BUS DAY
TPH — 2 BUS DAY
TPH TD — 7 DAY ⇒ NO RUSH CHARGE
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
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: * HOLD FOR DISPOSAL NOTIFY CARLSON
* NOTIFY ROBERT CARLSON OF TPH RESULTS AS POSSIBLE TPH TD SAMPLES SHOULD BE ANALYZED

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

G&M Form 09 1-90

Southprint 90-0136

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Environmental Services

Laboratory Task Order No._____

CHAIN-OF-CUSTODY RECORD

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Project Number NY0008132 006

Project Location BETHPAGE NY

Laboratory ECOTEST

Sampler(s)/Affiliation G. WILLIAMS

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	SAMPLE BOTTLE / CONTAINER DESCRIPTION: 8021 TRH TOTAL AND TCLP 8270 SIMS	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: _____ Organization: GTM
Received by: _____ Organization: _____ Date 5/1/97 Time 930 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 PROJECT MGR

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

G&M Form 09 1-90

Southprint 90-0136

NGINS001564800

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Environmental Services

Laboratory Task Order No. ______

CHAIN-OF-CUSTODY RECORD

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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* 8 RCRA 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 TPH)
SVOC (8270) 3 DAY
8 RCRA INIT CALL ROBERT PORSCHE (10 DAY)?

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

Total No. of Bottles/Containers: 18

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

Special Instructions/Remarks:
* [illegible] TPH ID 8015
** [illegible] TCLP [illegible] (8260 8270)

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

G&M Form 09 1-90
Southprint 90-0136

GERAGHTY & MILLER, INC.
Environmental Services

Laboratory Task Order No.________

CHAIN-OF-CUSTODY RECORD

Page______ of______

Project Number: NY 0008132006

Project Location: BETHPAGE NY

Laboratory: ECOTEST

Sampler(s)/Affiliation: G. WILLIAMS

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Code	Date/Time Sampled	Lab ID	8082/PAR Hg RUSH 24hr									TOTAL
S1-12 (0-1)	S	4-7-97		1									1
S1-12 (1-2)				1									1
S1-12 (2-4)				1									1
S1-12N (0-1)				1									1
S1-12N (1-2)				1									1
S1-12N (2-4)				1									1
S1-12E (0-1)				1									1
S1-12E (1-2)				1									1
S1-12E (2-4)				1									1
S1-12S (0-1)				1									1
S1-12S (1-2)				1									1
S1-12S (2-4)				1									1
S1-12W (0-1)				1									1
S1-12W (1-2)				1									1
S1-12W (2-4)				1									1

RUSH ANALYSIS 2 BUS. DAY
HOLD PENDING NOTIFICATION

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

Total No. of Bottles/Containers: 15

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

Special Instructions/Remarks: 24 HR RUSH ON MERCURY

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

G&M Form 09 1-90

Southprint 90-0136

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 BOTTLE / CONTAINER DESCRIPTION

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 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
PCB – 10 DAY
(CALL ROBERT POLSCHE TO CONFIRM

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

Total No. of Bottles/Containers: 12

Relinquished by: [illegible signature]	Organization: G&M			Seal Intact? Yes No N/A
Received by: [illegible signature]	Organization: [illegible]	Date [illegible]	Time [illegible]	
Relinquished by:	Organization:			Seal Intact? Yes No N/A
Received by:	Organization:	Date / /	Time	

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

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

G&M Form 09 1-90 Southprint 90-0136

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.C971043/9 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, T1-7

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	<2.1
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		96
tert-Butylbenzene	ug/Kg	<1

cc:

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

DIRECTOR

rn= 6391 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.C971043/9

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, T1-7

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons mg/Kg	14	

cc:

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

DIRECTOR

rn= 6392

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.C971043/9 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, T1-7

ANALYTICAL PARAMETERS		
Arsenic as As	mg/Kg	1.3
Barium as Ba	mg/Kg	7.8
Cadmium as Cd	mg/Kg	<0.10
Chromium as Cr	mg/Kg	5.9
Lead as Pb	mg/Kg	2.3
Mercury as Hg	mg/Kg	0.011
Selenium as Se	mg/Kg	<0.42
Silver as Ag	mg/Kg	<0.10

ANALYTICAL PARAMETERS

cc:

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

DIRECTOR

rn= 6393 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.C971043/9 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, T1-7

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= 6964 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.C971043/10 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, T1-8

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= 6394 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.C971043/10 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, T1-8

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

cc:

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

DIRECTOR

rn= 6395 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.C971043/10 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, T1-8

ANALYTICAL PARAMETERS		
Arsenic as As	mg/Kg	1.9
Barium as Ba	mg/Kg	16
Cadmium as Cd	mg/Kg	<0.11
Chromium as Cr	mg/Kg	8.9
Lead as Pb	mg/Kg	5.7
Mercury as Hg	mg/Kg	0.036
Selenium as Se	mg/Kg	<0.45
Silver as Ag	mg/Kg	<0.11

ANALYTICAL PARAMETERS

cc:

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

DIRECTOR

rn= 6396 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.C971043/11 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, T1-10

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	2.2
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		93
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= 6398 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.C971043/11 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, T1-10

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons	mg/Kg 12	

cc:

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

DIRECTOR

rn= 6399 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.C971043/11 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, T1-10

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	1.7	
Barium as Ba	mg/Kg	9.2	
Cadmium as Cd	mg/Kg	<0.11	
Chromium as Cr	mg/Kg	5.5	
Lead as Pb	mg/Kg	6.1	
Mercury as Hg	mg/Kg	0.041	
Selenium as Se	mg/Kg	<0.43	
Silver as Ag	mg/Kg	<0.11	

cc:

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

DIRECTOR

rn= 6400 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.C971043/11 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, T1-10

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
2,4-D	ug/Kg	<11	
Dalapon	ug/Kg	<110	
Dicamba	ug/Kg	<86	
Dinoseb	ug/Kg	<22	
Pentachlorophenol	ug/Kg	<4.3	
Pichloram	ug/Kg	<11	
2,4,5-TP	ug/Kg	<5.4	

cc:

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

DIRECTOR

rn= 6401 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.C971043/11 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, T1-10

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= 6965 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.C971043/12 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, T1-16

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	<2.3
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		87
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= 6402 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.C971043/12 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, T1-16

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons	mg/Kg 13	

cc:

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

DIRECTOR

rn= 6403 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.C971043/12 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, T1-16

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	2.1	
Barium as Ba	mg/Kg	15	
Cadmium as Cd	mg/Kg	<0.11	
Chromium as Cr	mg/Kg	7.4	
Lead as Pb	mg/Kg	4.1	
Mercury as Hg	mg/Kg	0.082	
Selenium as Se	mg/Kg	<0.46	
Silver as Ag	mg/Kg	<0.11	

cc:

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

DIRECTOR

rn= 6404 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.C971043/12 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, T1-16

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	<230	
Jet A	ug/Kg	<230	
Kerosene	ug/Kg	<230	

cc:

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

DIRECTOR

rn= 6966 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.C971043/15 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: Water sample, FB31297

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

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

cc:

REMARKS: Analysis was performed by GC/MS, EPA Method 8260.

DIRECTOR

rn= 6411 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.C971043/15 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: Water sample, FB31297

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons mg/L	<0.4	

cc:

REMARKS:

DIRECTOR

rn= 6412 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.C971043/15 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: Water sample, FB31297

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/L	<0.002	
Barium as Ba	mg/L	<0.05	
Cadmium as Cd	mg/L	<0.01	
Chromium as Cr	mg/L	<0.02	
Lead as Pb	mg/L	<0.10	
Mercury as Hg	mg/L	<0.00025	
Selenium as Se	mg/L	<0.002	
Silver as Ag	mg/L	<0.01	

cc:

REMARKS:

DIRECTOR

rn= 6413 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.C971043/15 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: Water sample, FB31297

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
2,4-D	ug/L	<0.1	
Dalapon	ug/L	2.4	
Dicamba	ug/L	<0.8	
Dinoseb	ug/L	<0.2	
Pentachlorophenol	ug/L	<0.04	
Pichloram	ug/L	<0.1	
2,4,5-TP	ug/L	<0.05	
Aroclor 1016	ug/L	<1	
Aroclor 1221	ug/L	<1	
Aroclor 1232	ug/L	<1	
Aroclor 1242	ug/L	<1	
Aroclor 1248	ug/L	<1	
Aroclor 1254	ug/L	<1	
Aroclor 1260	ug/L	<1	

cc:

REMARKS:

DIRECTOR

rn= 6414 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.C971043/12 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, T1-16

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
2,4-D	ug/Kg	<11	
Dalapon	ug/Kg	<110	
Dicamba	ug/Kg	<92	
Dinoseb	ug/Kg	<23	
Pentachlorophenol	ug/Kg	<4.6	
Pichloram	ug/Kg	<11	
2,4,5-TP	ug/Kg	<5.7	
Aroclor 1016	ug/Kg	<46	
Aroclor 1221	ug/Kg	<46	
Aroclor 1232	ug/Kg	<46	
Aroclor 1242	ug/Kg	<46	
Aroclor 1248	ug/Kg	<46	
Aroclor 1254	ug/Kg	<46	
Aroclor 1260	ug/Kg	<46	

cc:

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

DIRECTOR

rn= 6397 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.C971101/7 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, T1-14, (0-4)

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Diesel	ug/Kg	510*	
#2 Fuel Oil	ug/Kg	<220	
#4 Fuel Oil	ug/Kg	<220	
#6 Fuel Oil	ug/Kg	<220	
Lubricating Oil	ug/Kg	2600*	
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, 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= 7351 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.C971883/1 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, T1-14E, 0-1
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	
% Solids	93	

cc:

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

DIRECTOR

rn= 12426 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.C971883/1 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, T1-14E, 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= 12427 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.C971883/2 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, T1-14E, 1-2
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	91	

cc:

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

DIRECTOR

rn= 12428 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.C971883/2 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, T1-14E, 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= 12429 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.C971883/3 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, T1-14E, 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= 12430 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.C971883/3 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, T1-14E, 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= 12431 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.C971883/4 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, T1-14, 0-1
UNITS: ug/Kg

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<34	
Acenaphthene	250	
Fluorene	450	
Phenanthrene	15000	
Anthracene	2600	
Fluoranthene	36000	
Pyrene	37000	
Benzo(a)anthracene	14000	
Chrysene	16000	
Benzo(b)fluoranthene	14500^^	
Benzo(k)fluoranthene	14500^^	
Benzo(a)pyrene	15000	
Dibenzo(a,h)anthracene	2500	
Indeno(1,2,3-cd)pyrene	6400	
Benzo(ghi)perylene	6100	
% Solids	88	

cc:

REMARKS: EPA Method 8270.
Results reported on a dry weight basis.
^^Total = 29000 ug/Kg, unable to separate isomers.

DIRECTOR

rn= 12432 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.C971883/4 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, T1-14, 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= 12433 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.C971883/5 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, T1-14, 1-2
UNITS: ug/Kg

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<34	
Acenaphthene	<34	
Fluorene	<34	
Phenanthrene	540	
Anthracene	90	
Fluoranthene	1400	
Pyrene	1400	
Benzo(a)anthracene	550	
Chrysene	620	
Benzo(b)fluoranthene	600^^	
Benzo(k)fluoranthene	600^^	
Benzo(a)pyrene	620	
Dibenzo(a,h)anthracene	100	
Indeno(1,2,3-cd)pyrene	250	
Benzo(ghi)perylene	240	
% Solids	88	

cc:

REMARKS: EPA Method 8270.
Results reported on a dry weight basis.
^^Total = 1200 ug/Kg, unable to separate isomers.

DIRECTOR

rn= 12434 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.C971883/5 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, T1-14, 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= 12435 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.C971883/6 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, T1-14, 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= 12436 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.C971883/6 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, T1-14, 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= 12437 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.C971883/7 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, T1-14W, 0-1
UNITS: ug/Kg

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<35	
Acenaphthene	60	
Fluorene	84	
Phenanthrene	3100	
Anthracene	570	
Fluoranthene	9000	
Pyrene	8100	
Benzo(a)anthracene	2800	
Chrysene	3100	
Benzo(b)fluoranthene	2850^^	
Benzo(k)fluoranthene	2850^^	
Benzo(a)pyrene	3100	
Dibenzo(a,h)anthracene	340	
Indeno(1,2,3-cd)pyrene	830	
Benzo(ghi)perylene	770	
% Solids	85	

cc:

REMARKS: EPA Method 8270.
Results reported on a dry weight basis.
^^Total = 5700 ug/Kg, unable to separate isomers.

DIRECTOR

rn= 12438 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.C971883/7 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, T1-14W, 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= 12439 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.C971883/8 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, T1-14W, 1-2
UNITS: ug/L*

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<33	
Acenaphthene	<33	
Fluorene	<33	
Phenanthrene	730	
Anthracene	130	
Fluoranthene	2000	
Pyrene	2000	
Benzo(a)anthracene	790	
Chrysene	890	
Benzo(b)fluoranthene	900^^	
Benzo(k)fluoranthene	900^^	
Benzo(a)pyrene	870	
Dibenzo(a,h)anthracene	130	
Indeno(1,2,3-cd)pyrene	310	
Benzo(ghi)perylene	300	
% Solids	92	

cc:

REMARKS: EPA Method 8270.
Results reported on a dry weight basis.
^^Total = 1800 ug/Kg, unable to separate isomers.

DIRECTOR

rn= 12440 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.C971883/8 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, T1-14W, 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= 12441 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.C971883/9 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, T1-14W, 2-4
UNITS: ug/Kg

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<32	
Acenaphthene	<32	
Fluorene	<32	
Phenanthrene	140	
Anthracene	<32	
Fluoranthene	350	
Pyrene	340	
Benzo(a)anthracene	130	
Chrysene	150	
Benzo(b)fluoranthene	150^^	
Benzo(k)fluoranthene	150^^	
Benzo(a)pyrene	150	
Dibenzo(a,h)anthracene	<32	
Indeno(1,2,3-cd)pyrene	53	
Benzo(ghi)perylene	51	
% Solids	94	

cc:

REMARKS: EPA Method 8270.
Results reported on a dry weight basis.
^^Total = 300 ug/Kg, unable to separate isomers.

DIRECTOR

rn= 12442 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.C971883/9 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, T1-14W, 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= 12443 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.C971884/15 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, T1-D-1, 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= 12512 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.C971884/15 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, T1-D-1, 0-2

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

cc:

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

DIRECTOR

rn= 12513 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.C971884/15 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, T1-D-1, 0-2
UNITS: ug/Kg

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<31	
Acenaphthene	<31	
Fluorene	<31	
Phenanthrene	<31	
Anthracene	<31	
Fluoranthene	100	
Pyrene	110	
Benzo(a)anthracene	33	
Chrysene	61	
Benzo(b)fluoranthene	65^^	
Benzo(k)fluoranthene	65^^	
Benzo(a)pyrene	53	
Dibenzo(a,h)anthracene	<31	
Indeno(1,2,3-cd)pyrene	33	
Benzo(ghi)perylene	33	

cc:

REMARKS: EPA Method 8270.
Results reported on a dry weight basis.
^^Total = 130 ug/Kg, unable to separate isomers.

DIRECTOR

rn= 12514 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.C971884/15 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, T1-D-1, 0-2

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	9	
Barium as Ba	mg/Kg	2.9	
Cadmium as Cd	mg/Kg	<0.1	
Chromium as Cr	mg/Kg	2.6	
Lead as Pb	mg/Kg	10	
Mercury as Hg	mg/Kg	0.033	
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= 12515 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.C971884/15 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, T1-D-1, 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= 12777 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.C971884/15 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, T1-D-1, 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 9700ug/Kg (quantified as #6 Fuel Oil).

DIRECTOR

rn= 12703 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.C971884/16 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, T1-D-1, 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= 12516 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.C971884/16 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, T1-D-1, 2-4

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons mg/Kg	<10	
% Solids	96	

cc:

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

DIRECTOR

rn= 12517 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.C971884/16 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, T1-D-1, 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: EPA Method 8270.
Results reported on a dry weight basis.

DIRECTOR

rn= 12518 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.C971884/16 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, T1-D-1, 2-4

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	9.4	
Barium as Ba	mg/Kg	3.4	
Cadmium as Cd	mg/Kg	<0.1	
Chromium as Cr	mg/Kg	5.6	
Lead as Pb	mg/Kg	2.8	
Mercury as Hg	mg/Kg	<0.0052	
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= 12519 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.C971884/14 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, T1-D-2, 2-4

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	1.9	
Barium as Ba	mg/Kg	3	
Cadmium as Cd	mg/Kg	<0.12	
Chromium as Cr	mg/Kg	5.1	
Lead as Pb	mg/Kg	1.4	
Mercury as Hg	mg/Kg	<0.006	
Selenium as Se	mg/Kg	<0.48	
Silver as Ag	mg/Kg	<0.12	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12511 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.C971884/13 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, T1-D-2, 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= 12504 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.C971884/13 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, T1-D-2, 0-2

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons mg/Kg	13	
% Solids	94	

cc:

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

DIRECTOR

rn= 12505 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.C971884/13 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, T1-D-2, 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

rn= 12506 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.C971884/13

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, T1-D-2, 0-2

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	4.3	
Barium as Ba	mg/Kg	5.2	
Cadmium as Cd	mg/Kg	<0.11	
Chromium as Cr	mg/Kg	4.8	
Lead as Pb	mg/Kg	10	
Mercury as Hg	mg/Kg	0.013	
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= 12507

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.C971884/13 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, T1-D-2, 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 15000ug/Kg(quantified as #6 Fuel Oil).

DIRECTOR

rn= 12702 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.C971884/14 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, T1-D-2, 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= 12508 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.C971884/14 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, T1-D-2, 2-4

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons mg/Kg	<12	
% Solids	83	

cc:

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

DIRECTOR

rn= 12509 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.C971884/14 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, T1-D-2, 2-4
UNITS: ug/Kg

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

cc:

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

DIRECTOR

rn= 12510 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.C971884/11 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, T1-D-3, 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= 12496 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.C971884/11 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, T1-D-3, 0-2

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons mg/Kg	<11	
% Solids	94	

cc:

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

DIRECTOR

rn= 12497 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.C971884/11 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, T1-D-3, 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

rn= 12498 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.C971884/11 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, T1-D-3, 0-2

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	1.4	
Barium as Ba	mg/Kg	5.8	
Cadmium as Cd	mg/Kg	<0.11	
Chromium as Cr	mg/Kg	3	
Lead as Pb	mg/Kg	2.9	
Mercury as Hg	mg/Kg	0.0094	
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= 12499 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.C971884/12 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, T1-D-3, 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= 12500 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.C971884/12 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, T1-D-3, 2-4

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons mg/Kg	<11	
% Solids	91	

cc:

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

DIRECTOR

rn= 12501 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.C971884/12 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, T1-D-3, 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	

cc:

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

DIRECTOR

rn= 12502 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.C971884/12 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, T1-D-3, 2-4

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	0.97	
Barium as Ba	mg/Kg	5.6	
Cadmium as Cd	mg/Kg	<0.11	
Chromium as Cr	mg/Kg	4.6	
Lead as Pb	mg/Kg	1.4	
Mercury as Hg	mg/Kg	<0.0055	
Selenium as Se	mg/Kg	<0.44	
Silver as Ag	mg/Kg	<0.11	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12503 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.C971884/9 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, T1-D-4, 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= 12488 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.C971884/9 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, T1-D-4, 0-2

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons mg/Kg	<11	
% Solids	94	

cc:

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

DIRECTOR

rn= 12489 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.C971884/9 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, T1-D-4, 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

rn= 12490 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.C971884/9 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, T1-D-4, 0-2

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	1.4	
Barium as Ba	mg/Kg	5.1	
Cadmium as Cd	mg/Kg	<0.11	
Chromium as Cr	mg/Kg	2.9	
Lead as Pb	mg/Kg	5.5	
Mercury as Hg	mg/Kg	0.019	
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= 12491 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.C971884/10 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, T1-D-4, 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= 12492 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.C971884/10 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, T1-D-4, 2-4

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons mg/Kg	<11	
% Solids	90	

cc:

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

DIRECTOR

rn= 12493 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.C971884/10 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, T1-D-4, 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	

cc:

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

DIRECTOR

rn= 12494 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.C971884/10 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, T1-D-4, 2-4

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	1.3	
Barium as Ba	mg/Kg	5.8	
Cadmium as Cd	mg/Kg	<0.11	
Chromium as Cr	mg/Kg	3.4	
Lead as Pb	mg/Kg	2.6	
Mercury as Hg	mg/Kg	0.006	
Selenium as Se	mg/Kg	<0.44	
Silver as Ag	mg/Kg	<0.11	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12495 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.C971884/7 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, T1-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= 12480 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.C971884/7 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, T1-D-5, 0-2

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons mg/Kg	<11	
% Solids	92	

cc:

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

DIRECTOR

rn= 12481 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.C971884/7 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, T1-D-5, 0-2
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	

cc:

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

DIRECTOR

rn= 12482 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.C971884/7 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, T1-D-5, 0-2

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	1.7	
Barium as Ba	mg/Kg	10	
Cadmium as Cd	mg/Kg	<0.11	
Chromium as Cr	mg/Kg	5.5	
Lead as Pb	mg/Kg	7.2	
Mercury as Hg	mg/Kg	0.015	
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= 12483 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.C971884/8 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, T1-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= 12484 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.C971884/8 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, T1-D-5, 2-4

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons mg/Kg	<11	
% Solids	94	

cc:

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

DIRECTOR

rn= 12485 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.C971884/8 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, T1-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= 12486 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.C971884/8 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, T1-D-5, 2-4

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	2	
Barium as Ba	mg/Kg	11	
Cadmium as Cd	mg/Kg	<0.11	
Chromium as Cr	mg/Kg	5.2	
Lead as Pb	mg/Kg	2.5	
Mercury as Hg	mg/Kg	<0.0053	
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= 12487 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.C971929/3 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, T1-D6, 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= 12732 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.C971929/3 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, T1-D6, 0-2

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons mg/Kg	15	
% Solids	92	

cc:

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

DIRECTOR

rn= 12733 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.C971929/3 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, T1-D6, 0-2
UNITS: ug/Kg

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Naphthalene	<33	
Acenaphthene	<33	
Fluorene	<33	
Phenanthrene	34	
Anthracene	<33	
Fluoranthene	63	
Pyrene	66	
Benzo(a)anthracene	<33	
Chrysene	34	
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	

cc:

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

DIRECTOR

rn= 12734 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.C971929/3 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, T1-D6, 0-2

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	2.2	
Barium as Ba	mg/Kg	15	
Cadmium as Cd	mg/Kg	<0.11	
Chromium as Cr	mg/Kg	7.8	
Lead as Pb	mg/Kg	5.2	
Mercury as Hg	mg/Kg	0.023	
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= 12735 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.C971929/3 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, T1-D6, 0-2

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: Results reported on a dry weight basis.
Analyses performed by Modified 8015 Method.
Diesel Range Organics.
*Sample contains uknown product at 16000ug/Kg(quantified as #6 Fuel Oil).

DIRECTOR

rn= 12922 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.C971929/3 05/19/97

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

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

SAMPLE: Soil sample, T1-D6, 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= 13111 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.C971929/4 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, T1-D6, 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= 12736 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.C971929/4 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, T1-D6, 2-4

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons mg/Kg	13	
% Solids	90	

cc:

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

DIRECTOR

rn= 12737 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.C971929/4 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, T1-D6, 2-4
UNITS: ug/Kg

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Napnthalene	<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	

cc:

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

DIRECTOR

rn= 12738 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.C971929/4 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, T1-D6, 2-4

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	2.2	
Barium as Ba	mg/Kg	13	
Cadmium as Cd	mg/Kg	<0.11	
Chromium as Cr	mg/Kg	6	
Lead as Pb	mg/Kg	4.3	
Mercury as Hg	mg/Kg	0.029	
Selenium as Se	mg/Kg	<0.44	
Silver as Ag	mg/Kg	<0.11	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12739 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.C971929/4 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, T1-D6, 2-4

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

DIRECTOR

rn= 12923 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.C971884/5 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, T1-D-7, 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= 12472 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.C971884/5 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, T1-D-7, 0-2

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons mg/Kg	<11	
% Solids	92	

cc:

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

DIRECTOR

rn= 12473 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.C971884/5 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, T1-D-7, 0-2
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	

cc:

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

DIRECTOR

rn= 12474 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.C971884/5 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, T1-D-7, 0-2

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	0.75	
Barium as Ba	mg/Kg	3.7	
Cadmium as Cd	mg/Kg	0.11	
Chromium as Cr	mg/Kg	3	
Lead as Pb	mg/Kg	6.4	
Mercury as Hg	mg/Kg	0.0059	
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= 12475 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.C971884/6 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, T1-D-7, 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= 12476 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.C971884/6 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, T1-D-7, 2-4

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons mg/Kg	<11	
% Solids	91	

cc:

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

DIRECTOR

rn= 12477 NYSDOH ID# 10320

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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, T1-D-7, 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	

cc:

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

DIRECTOR

rn= 12478 NYSDOH ID# 10320

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LAB NO.C971884/6 05/15/97

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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, T1-D-7, 2-4

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	2.2	
Barium as Ba	mg/Kg	14	
Cadmium as Cd	mg/Kg	<0.11	
Chromium as Cr	mg/Kg	7.5	
Lead as Pb	mg/Kg	7.1	
Mercury as Hg	mg/Kg	0.016	
Selenium as Se	mg/Kg	<0.44	
Silver as Ag	mg/Kg	<0.11	

cc:

REMARKS: Results reported on a dry weight basis.

DIRECTOR

rn= 12479 NYSDOH ID# 10320