Preliminary Site Assessment Report

Former Munsey Cleaners Site
1029 Port Washington Blvd.
Port Washington, New York

NYS Site No. 130081

September 1996

Prepared for:

MONTFORT TRUST
c/o
Acadia Management
20 Soundview Marketplace
Port Washington, New York 11050

Prepared by:

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CA RICH CONSULTANTS, INC.
CERTIFIED GROUND-WATER AND
ENVIRONMENTAL SPECIALISTS

September 6, 1996

NYSDEC
SUNY Building 40
Stony Brook, New York 11790-2356

Attention: John E. Conover, Jr., P.E. - Environmental Engineer
Division of Hazardous Waste Remediation

Re: **Preliminary Site Assessment Report**
former Munsey Cleaners
1029 Port Washington Blvd.
Port Washington, New York
NYSDEC Site No.: 130081

Dear Mr. Conover:

Attached are four copies of our PSA Report for the above referenced site. This PSA has been performed in accordance with our NYSDEC-approved Work Plan in compliance with the Consent Order agreed upon by NYSDEC and The Montfort Trusts.

We look forward to your Department's review of this report in order that we may commence with the Interim Remedial Measures Program in accordance with the Consent Order.

If there are any questions regarding this Report, please do not hesitate to call our office.

Sincerely,

CA RICH CONSULTANTS, INC.

George A. Tyers
Project Manager

Eric A. Weinstock
Associate

cc: Robert Masters, Esq.
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1.0 EXECUTIVE SUMMARY

The former Munsey Cleaners is a New York State Class 2a Inactive Hazardous Waste Site located in the Village of Port Washington, in the Town of North Hempstead, Nassau County, New York (Figure 1). The site is a multi-tenant commercial building constructed in 1949 and the unit subject to this PSA was used for dry cleaning operations from about 1950 until 1994 (Figure 2). Inspections performed at the site by the New York State Department of Environmental Conservation (NYSDEC) in August 1994 and the Nassau County Department of Health (NCDH) in February 1995 identified halogenated volatile organic contamination, including the compounds Tetrachloroethylene (*perchlorethylene or PCE, a common dry cleaning solvent*) and trichloroethylene, in the exposed soils in the basement and in a floor drain and a sump. Additionally, Di-N-Butyl Phthalate, several pesticides, and several polycyclic aromatic hydrocarbons were also detected.

CA Rich Consultants, Inc. (CA RICH) was retained by The Montfort Trusts to prepare and implement a Preliminary Site Assessment (PSA) Work Plan at the former Munsey Cleaners Site. This report presents the findings of that PSA. The activities performed during the PSA include review of available data, a site inspection, and the collection and analysis of selected soil and groundwater samples for volatile organic compounds (VOC), semi-volatile organic compounds (SVOC), and pesticide organic compounds. Field screening for soil "headspace" VOC was also performed.

The investigative methods used during this PSA included manually driven stainless soil augers and a Geoprobe(TM) soil boring system to collect soil and groundwater samples. Soil samples were collected from the basement of the facility - from the exposed earth floors, beneath the concrete slabs, a floor drain and a sump - and from outside the building from two storm drains and three Geoprobe sampling points. Groundwater samples were collected from four (4) Geoprobe points situated on four sides of the former dry cleaning shop.

The data generated from these activities were used to characterize the nature and extent of site contamination. Both the soils and the underlying groundwater were found to be contaminated with halogenated volatile organic compounds. PCE was detected in the soils ranging from 2.1 parts per billion (ppb) to 12,000,000 ppb. Based upon visual observations and analytical data, the bare earth-floor rooms and the floor drain designated as FD-2 appear to be the main source areas of contamination. As a result of these test results, an interim remedial measure (IRM) to address the soil contamination is recommended.

PCE was also detected in the groundwater from 43 ppb to 1,900 ppb. The highest concentrations were identified on the north and west side of the building.

2.0 OBJECTIVES

The objectives of this PSA are to (i) gather data to characterize hazardous substances and/or hazardous wastes which are or may be present at the Site, (ii) enable the New York State Department of Environmental Conservation (NYSDEC) to determine whether such wastes constitute a significant threat to public health or the environment, and (iii) develop and implement an Interim Remedial Measures (IRM) program.

3.0 SCOPE OF WORK

The scope of work developed for this study is fully described in the NYSDEC-approved Preliminary Site Assessment Work Plan prepared by CA Rich Consultants, Inc. in January 1996 (Ref. 1). In general, the site has been investigated by employing manually driven stainless soil augers and Geoprobe(TM) soil boring techniques to collect soil and groundwater samples. The scope of work consisted of the following.

- testing of the soils collected from selected areas in the basement of the site, including the bare earth floors, beneath the concrete slabs, the floor drain and the sump;
- testing of the sediments in two storm drains located in the parking field behind the building; and,
- testing of groundwater samples collected from four points around the building.

The soil samples were analyzed by a combination of field headspace screening using an HNU™ photoionization detector (PID) and subsequent laboratory analysis of selected samples. The groundwater samples were analyzed in the laboratory for halogenated volatile organic compounds (EPA Method 8010) and pesticide organic compounds (EPA Method 8080). The sampling points of each test area are illustrated on Figure 3.

3.1 Soil Sampling Procedures - Soil samples were collected using manually driven stainless steel sampling augers throughout the basement and in the floor drain and sump. Electric power-driven equipment was used to drill through concrete and wooden floor areas as needed. Two soil samples were to be collected from each sampling point in the two rooms with exposed earthen floors; one at approximately one (1) foot and one at approximately five (5) feet below the

surface. However, due to physical constraints, only a limited number of deeper samples were successfully collected. In addition, one soil sample was collected at each sampling point from approximately one foot below the concrete floors and one sample from each of the floor drains.

All soil samples were screened in the field using a portable photoionization detector (PID). Upon retrieval of each sample, a small glass jar with a ring lid was half-filled with soil and then covered with aluminum foil. The ring lid was then screwed on to hold the foil in place. After allowing the headspace vapor in the jar to equilibrate (approximately ten minutes), the PID probe was inserted through the foil to measure the organic concentration in the headspace vapor. Based upon the results of the headspace screening, a representative number of these soil samples were submitted to a New York State-certified laboratory for analysis for halogenated volatile organic compounds (VOC) and pesticides in accordance with EPA Method 8010 and EPA Method 8080, respectively. Three of these soil samples, were also analyzed for fuel-related semi-volatile organic compounds.

In addition to the soil sampling described above, one non-aqueous sediment sample has been collected from the bottom of two exterior storm drains, identified as 'D1' and 'D2' on Figure 3, and screened in the field using the PID. Subsequently, one of these samples was then submitted to the laboratory and analyzed for halogenated VOC's only.

3.2 Groundwater Sampling - Four (4) in-situ groundwater samples were collected from the locations shown on Figure 3 using a vehicle-mounted, hydraulically driven Geoprobe(TM) or similar direct push technology. This system involves driving a Geoprobe(TM) screen point sampler into the subsurface. The stainless steel screen remains retracted within the probe rods until it is driven to the desired sampling depth. The screen is held in place by a sacrificial point fitted with a watertight "O" ring. Once the desired depth is reached, the probe assembly is retracted and chase rods are then inserted down the inside of the probe rod to push the screen out of the protective sheath into the resulting void. The rod is then allowed to fill with formation water. After the screen has been exposed, an unused, clean section of 3/8" polyethylene tubing was fitted with a stainless steel bottom check valve and inserted down the probe rod to the desired sampling depth. The poly tubing was oscillated up and down to drive a column of water to the surface.

4.0 BACKGROUND AND SITE DESCRIPTION

4.1 General

The former Munsey Cleaners Site is located at 1029 Port Washington Boulevard at the intersection of Port Washington Boulevard and Main Street in Port Washington, New York. The Site consists of the northernmost tenant space in a retail shopping plaza (Figure 2). The building consists of a one-story masonry building constructed in 1949 on poured concrete foundation walls with a full basement under the entire structure. The Site includes the sidewalk frontage along the two streets with asphalt-paved parking areas in the rear of the building. Two storm drains are located nearby in the parking area. One of these, designated SD-1 on Figure 2, is located directly behind the building. This drain was thought to have been a discharge point from a sump pump previously installed in an interior floor drain (FD-1) located in the old boiler room in the basement. Additional on-site storm water apparently drains into SD-2.

Previously, dry cleaning equipment was placed inside the building on the street level. Wastewater from the former dry cleaning tenants has always been discharged to the municipal sewer system, thus eliminating cesspools as potential sources of contaminants to the underlying soil and groundwater. Currently, the Site is vacant and all dry cleaning equipment has been removed.

4.2 Site History and Previous Investigations

4.2.1 File Review

Records at the Town of North Hempstead Buildings Department indicate that the Site has always been used as a dry cleaning establishment except during periods of unoccupancy. The most recent tenant was Munsey Cleaners, who occupied the Site from approximately 1978 until 1994 when they relocated to a different space in the shopping plaza. The Site has been unoccupied since that time. Prior to 1978, the Site was occupied by Darien Cleaners, since about 1950.

Building Department site plans did not indicate the presence of any on-site cesspools or leaching pools. According to Building and Plumbing Permits on file, the Site was connected to municipal sewers at the time of construction in 1949.

4.2.2 Previous Investigations

A NYSDEC representative visited the Site in August 1994 in response to a complaint. During this visit, one sediment sample was collected from a floor drain in the basement. This sample was analyzed and found to contain 210,000 ug/Kg Tetrachloroethylene.

Subsequently, the Nassau County Department of Health (NCDH) investigated the facility in February 1995 and collected two samples from the exposed earthen floors in the basement. This testing identified the presence of tetrachloroethylene (*perchlorethylene or PCE*), trichloroethylene, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT and Di-N-Butyl Phthalate in concentrations exceeding the TAGM Soil Cleanup Objectives as well as several polycyclic aromatic hydrocarbons. These analytical results are summarized in a NCDH report dated February 17, 1995 (ref. 2).

Based upon the NCDH and NYSDEC investigations, the facility was classified as a New York State Class 2a Hazardous Waste Site in 1995 (Site No. 130081). This is a temporary classification that has been assigned to sites where there is inadequate data on hazardous waste impact to the environment and human health to assign them to the five classifications specified by law.

4.3 Site Hydrogeology

The site is located in northern Nassau County, on the Manhasset Neck of Long Island, New York. Long Island is situated upon unconsolidated Quaternary and Cretaceous age sediments resting on a Precambrian/early Paleozoic bedrock surface. Cretaceous deposits consist of the Raritan Formation, which is composed of a lower Lloyd Sand Member and an upper unnamed clay member, and the Magothy Formation and Matawan Group. According to the United States Geologic Survey (USGS), in their document entitled *Geohydrology and 1985 Ground-water Levels on Manhasset Neck, Long Island, New York* (Ref. 3), the Pleistocene deposits in this area of Long Island consist of two sand units, the Manhasset Formation and the East Hills Formation, separated by a marine clay unit.

On Manhasset Neck, the lower sand unit and middle clay unit have been called the Port Washington aquifer and Port Washington confining unit. The water saturated upper sand unit is referred to as the upper glacial aquifer.

Based upon existing data, groundwater is expected to be encountered at approximately 30 feet below land surface flowing in a westerly direction. According to the USGS (Ref. 3), all currently active public water supply wells are screened below the aforementioned clay units.

5.0 FIELD ACTIVITIES

5.1 General

Field activities for this investigation commenced on June 3, 1996. The interior basement areas of concern consist of five rooms, two of which contain exposed earth floors (see Figure 3), an old boiler room with a poured concrete floor, an old office space with a plywood deck overlying poured concrete, and a separate basement area located on the west side of the building. In addition, two floor drains, one at the base of the stairs and one in the old boiler room, were investigated.

These areas were investigated using manually driven stainless steel augers to collect soil samples. Electric power-driven equipment was used to drill through concrete and wooden floor areas, where necessary, and to bore deeper in the subsurface than possible by manual methods. Headspace contaminant screening was performed in the field on all soil samples with a real-time HNU™ Photoionization Detector. Selected samples were chosen for further chemical analysis in a State-Certified laboratory. The samples were analyzed for halogenated volatile organic compounds according to EPA Method 8010 and pesticide organic compounds according to EPA Method 8080.

Groundwater samples were collected, in-situ, from four (4) locations shown on Figure 3 using a vehicle-mounted, hydraulically driven Geoprobe™ system. The samples were stored on ice and submitted to the laboratory and analyzed for halogenated volatile organic compounds according to EPA Method 8010 and pesticides according to EPA Method 8080.

In addition to the basement soil samples and the groundwater samples, a soil sample was collected manually from each of two exterior storm drains. Both samples, designated as SD-1 and SD-2, were screened using the HNU™. Subsequently, SD-2 was selected for further chemical analysis for halogenated VOC.

5.2 Subsurface Soil Investigation

On June 3, 4, and 5, 1996, a total of 44 soil samples were collected from 36 test points in the basement. These sampling points, identified on Figure 3, were collected from depths ranging between one and five feet below the surface. In addition, two exterior storm drains were sampled on July 1, 1996. All of the soil samples were placed into clean glass jars and covered with aluminum foil for subsequent head space screening using the HNU™. The headspace measurements are summarized in Table 1.

A total of twelve (12) soil samples - 1B5, 1E5, 3A4, 3C1, 1D1, 3D1, 2F1, 2A1, FD2, CF5, WF2, WF2DUP, and SD2, were selected and chemically analyzed in the laboratory for halogenated VOC according to EPA Method 8010. These samples were further analyzed for pesticide organic compounds according to EPA Method 8080 except for SD-2 and WF2DUP. In addition, FD2, CF5, WF2 were also analyzed for semi-volatile organic compounds according to EPA Method 8270. These analytical results are discussed in Section 6.

5.3 Groundwater Geoprobe Investigation

A groundwater probe investigation was conducted on July 1 and 3, 1996 following a markout for underground utilities such as electric, gas, water and sewer. A truck-mounted Geoprobe™ unit operated by Zebra Environmental Corporation (Inwood, NY) was used to obtain soil and groundwater samples from selected locations at the site. Four (4) groundwater samples were collected from the sampling points designated as MUN-1, MUN-2, MUN-3, and MUN-4. All four groundwater samples were submitted to the laboratory for chemical analysis. The non-reproducible Geoprobe™ groundwater samples were collected in-situ without the installation of permanent wells. The groundwater sampling points are identified on the Figure 3.

At three of the four groundwater sampling points, soil samples were collected above the water table. The vehicle-mounted Geoprobe™ unit was positioned over each point and a rotary carbide tipped concrete drill bit was utilized to penetrate the surface pavement. Subsequently, a blind probe was driven to a depth above the desired sampling elevation. A Large Bore (LB) sampler was then driven to the desired sampling depth and a soil core measuring approximately 22" long by 1 1/16" in diameter was collected. The LB sampler remains completely closed while it is being driven to depth and is opened by releasing a stop pin from the surface. Removal of the stop pin allows the piston to retract into the sample tube as it is displaced by the soil core. Each of the samplers used was fitted with a new acetate liner prior to use. The acetate liner

assists in the removal of the soil sample from the tube and helps insure sample integrity. A total of three soil samples were collected in this manner.

To collect groundwater samples, a clean Geoprobe screen point 15 groundwater sampler (SP15) was used. The SP15 is a 1.5" (38 mm) O.S. X 52" (1321 mm) overall length sampler and within the protective sheath, the SP15 has a 41" (1041 mm) screen. The screen consists of a slotted screen of 0.004" (0.1 mm) which is exposed as the sampler is retracted. Once the sampler is driven to its desired depth, chase rods are inserted down the inside of the probe rods. As the probe rods are retracted approximately 4', the chase rods allow the screen to be exposed by holding the chase rods in place. The design of the SP15 sampler allows the stainless steel screen to remain retracted within the protective sheath until it is driven to the desired sampling depth. The screen is held in place by a sacrificial point fitted with a watertight "O" ring seal. Once the chase rods are used to expose the screen, the sacrificial point is lost and the rod is allowed to fill with formation water. After the screen has been exposed, an unused, clean section of 3/8" polyethylene tubing was fitted with a stainless steel bottom check valve and inserted down the probe rod to the desired sampling depth. The poly tubing was then oscillated up and down to drive a column of water to the surface.

6.0 NATURE AND EXTENT OF CONTAMINATION

6.1 Soil Contamination

A total of 46 soil samples were collected and screened using the HNU™. Headspace screening detected the presence of volatile organic compounds at several points in the basement and in the two exterior storm drains. The headspace measurements are recorded on Table 1. Significant detection of VOC occurred in several samples and a strong solvent odor was evident.

A total of twelve (12) soil samples were selected from the basement soils and chemically analyzed in the laboratory. A review of the analytical results indicates that tetrachloroethylene (PCE) was detected at concentrations ranging from 0.0092 ppm up to 12,000 ppm (Table 2). The New York State Soil Cleanup Objective for PCE is 1.4 ppm. The VOC contamination is most prevalent in the west exposed earth-floor room in the area nearest the entrance to the room. Chemical analysis also confirms PCE contamination above the state's cleanup objective in the old boiler room on the east side of the basement at sample point 4E (560 ppm), in the floor drain at the base of the stairwell in sample FD-2 (12,000 ppm) and in the old boiler room in the west basement at sample point CF-5 (3.3 ppm). Based upon visual observations and analytical

data, the two exposed earth-floor rooms and floor drain FD-2 are the suspected main source areas of contamination. Each area is discussed more fully in the following sections.

6.1.1 West Earth-floor Room: The highest headspace measurements were recorded in the west exposed earth-floor room at concentrations up to 600 units on the HNU™ (ppm). Significant headspace measurements were recorded for samples 1A1 (400 ppm), 1A5 (350 ppm), 1B1 (600 ppm), 1B5 (500 ppm), 1C1 (275 ppm), 2A1 (600 ppm), 2B1 (350 ppm), and 2C1 (350 ppm). In addition, strong solvent odors were evident during the testing.

The samples were collected at a maximum depth of approximately five feet below the basement surface. Deeper samples could not be collected due to the presence of large cobbles and boulders and the limitations of manual augering. (Note: The third number in the alpha-numeric sampling identification code indicates the approximate depth of sampling). During the soil probing activities, a dark discoloration was evident near the upper one foot soil horizon at many points. Samples 1B5, 3A4, 3C1, and 2A1 were submitted to the laboratory for subsequent chemical analysis.

An analysis of the headspace screening and analytical testing indicates that the VOC contamination extends horizontally from the south wall of the west earth-floor room (from points 1A, 1B, and 1C) to about the middle of the room, along the line of points designated 3A, 3B, and 3C. Samples 1A1, 1B1, 1C1, 3A1, 3B1, and 3C1 exhibited headspace values of 400 ppm, 600 ppm, 275 ppm, 500 ppm, 100 ppm, and 200 ppm, respectively. Laboratory chemical analysis indicates a PCE concentration of 10 ppm in sample 3C1. The shallow VOC contamination does not appear to extend to the north wall in this room where samples 4A1, 4B1, and 4C1, exhibited headspace readings of 3.5 ppm, 12 ppm, 6 ppm, respectively.

The vertical extent of the VOC contamination appears to be limited to the upper 1 to 3 feet of soil except along the area nearest the south wall where it extends to a depth of at least five feet as evidenced by headspace values of 350 ppm and 500 ppm in 1A5 and 1B5, respectively. The remaining deeper samples exhibited less significant headspace detections of 17 ppm in 2A4, 8 ppm in 3A4, 20 ppm in 3B3, and 12 ppm in 3C4. This determination is substantiated by chemical analysis that indicates a PCE concentration of 4,200 ppm in 1B5, but only 0.0092 ppm in 3A4.

In addition, TCE was detected in 1B5 (25 ppm) and 2A1 (8.8 ppm) at concentrations exceeding the NYS Soil Cleanup Objectives. The cleanup objective for TCE is 0.7 ppm. Methylene

chloride was also detected in all of the soil samples analyzed, however, methylene chloride was also detected in the laboratory method blanks as well. As such, this may be attributable to an artifact of the laboratory.

6.1.2 East Earth-floor Room: A total of thirteen soil samples were collected from the east-side exposed earth-floor room and screened with the HNU™. Elevated headspace readings were detected in samples collected along the south wall from 250 ppm in 1F1 up to 400 ppm in both 1D1 and 1E5. Samples 1D1, 1E5, 2F1, and 3D1 were submitted to the laboratory for chemical analysis. The laboratory reported PCE concentrations in these samples of 0.15 ppm, 0.068 ppm, 0.14 ppm and 0.046 ppm, respectively. Although PCE was not detected above the PCE soil cleanup objective in any of these four samples, the soils nearest the south wall exhibited elevated headspace VOC's, strong solvent odors and discoloration near the surface.

6.1.3 Plywood-floor Room: A total of nine (9) soil samples - WF-1, WF-2, WF-3, WF-4, WF-5, 4E, 5E, FD-1, and FD-2 - were collected from the two rooms adjacent to the earth-floor rooms including the two floor drains FD-1 and FD-2. These two rooms consist of the old boiler room with a poured concrete floor, and an old office space with a plywood deck overlying poured concrete. Electric-power tools were used to break open the concrete as needed for testing. Floor drain FD-1 is located in the old boiler room and is apparently connected to floor drain FD-2 at the base of the stairs.

WF-1, WF-2, WF-3, WF-4, WF-5, 4E, and 5E were collected from a depth of approximately one foot below the basement level and screened using a PID. Floor drain FD-2 (400 ppm) was collected at a depth of approximately 4 feet below the top of the drain and FD-1 (400 ppm) was collected at a depth of approximately 1 foot. Deeper sampling in FD-1 could not be accomplished due to the large amount of rocks present in the drain. However, shallow testing of FD-1, performed in 1995 by the NCDH, indicated a concentration 190 ppm of PCE by laboratory analysis. Chemical analysis of FD-2 performed during this testing program revealed a PCE concentration of 12,000 ppm. Although there was no significant discoloration in any of these test areas, except for the floor drains, a strong solvent odor was evident in WF-3, WF-4, 4E, FD-1 and FD-2. WF-2 and FD-2 were selected for chemical analysis in the laboratory. 4E and 5E were collected by NYSDEC personnel and analyzed by a NYSDEC-contracted laboratory.

Headspace screening indicates a significant concentration of VOC's along the wall that separates the office from the earth-floor room as evidenced by WF-3 (400 ppm) and WF-4 (400 ppm). The VOC contamination then decreases horizontally from this end of the room toward the south as

indicated by the headspace screening of WF-1 (17 ppm), WF-2 (70 ppm), and WF-5 (100 ppm). This is further supported by chemical analysis which indicates that WF-2 has a PCE concentration of 0.066 ppm, significantly below the soil cleanup objective of 1.4 ppm.

Similarly, chemical analysis of 4E and 5E indicate that the PCE concentration declines horizontally in the old boiler room from the shallow test point at 4E (560 ppm) towards the sample point at 5E (0.18 ppm). The source of PCE at 4E, which is below the concrete floor, may be attributable to the considerable PCE concentration found in the nearby floor drain, FD-2 (12,000 ppm).

6.1.4 West Basement: A separate basement area is located on the west-side corner of the building along Port Washington Boulevard and Main Street. This portion of the basement has a separate stairwell entrance and is separated from the east-side basement by a masonry block wall. This block wall separates one of the exposed earth-floor rooms on the east side from an old boiler room on the west side. The remainder of the west-side basement area appears to have once contained a dry cleaning machine in the vicinity of sample point CF-4. Currently, the entire area is empty.

A total of six samples were collected from the west-side basement area - CF-1, CF-2, CF-3, CF-4, CF-5, and CF-6. Headspace screening did not detect significant concentrations of VOC's, except CF-5 which exhibited a headspace measurement of 50 ppm. A laboratory chemical analysis of CF-5 indicates a PCE concentration at 3.3 ppm.

6.1.5 Pesticides: In addition to the VOC contamination, pesticide organic compounds were detected in all of the soil samples collected throughout the basement. Several of these pesticide compounds were detected above the state cleanup objectives - namely for 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, dieldrin, and methoxychlor. 4,4'-DDD was detected in 1B5 (320 ppm), 1D1 (9.6 ppm), 2A1 (490 ppm), and FD-2 (4 ppm) and 4,4'-DDT at concentrations of 12 ppm, 27 ppm, 62 and 18 ppm, respectively. In addition, methoxychlor was detected above it's cleanup objective in FD-2 (13 ppm), and 4,4'-DDE (2 ppm) and dieldrin (0.94 ppm) were detected above their cleanup objectives in 1B5. Several other pesticides, in addition to those mentioned, were detected at concentrations below their stated cleanup objectives in many of the samples (see Table 3).

6.1.6 Fuel-oil: Previous testing by NCDH identified polycylic aromatic hydrocarbons (PAH) related to Number 2 fuel oil in the old boiler room floor drain (FD-1). During this testing program, a total of three soil samples (FD-2, CF5, and WF2) were analyzed for semi-volatile organic

compounds (SVOC) according to EPA Method 8270 in addition to the VOC and pesticide analyses. A review of this data (see Table 4) did not indicate significant SVOC contamination, although analysis of FD-2 identified concentrations of hexachloroethane (140 ppb), di-n-butylphthalate (200 ppb), pyrene (53 ppb), butylbenzylphthalate (840 ppb), bis (2-ethylhexyl)phthalate (3,300 ppb), and di-n-octylphthalate (220 ppb), whereas SVOC's were not detected at all in samples CF5 and WF2. None of the semi-volatile organic compounds were detected at concentrations above their respective NYSDEC-defined soil cleanup objectives, except for hexachloroethane for which there is no NYSDEC-defined value.

6.1.7 Geoprobe Soil Samples:

Soil samples were also collected during the Geoprobe™ groundwater sampling program prior to reaching groundwater. These samples were collected at points MUN-1, MUN-2, and MUN-4 at a depth of 20 to 22 feet below grade. VOC's were not detected in any of the three samples during field screening with the HNU™.

6.2 Groundwater

Table 5 summarizes the results of the VOC analyses performed on the samples collected during the Geoprobe groundwater sampling program. These samples were collected from four probe points situated around the site and designated as MUN-1, MUN-2, MUN-3, and MUN-4, respectively on Figure 3. The samples were collected from four-foot screens placed near the top of the water table at a depth of approximately 36 to 40 feet below grade. A review of this data indicates that chlorinated site contaminants have been identified in the groundwater underlying the site.

Chlorinated VOC, including the target compound tetrachloroethylene (PCE), were detected in all four groundwater samples. PCE was identified at concentrations of 250 ppb, 43 ppb, 1,500, and 1,900 ppb in MUN-1, MUN-2, MUN-3, and MUN-4, respectively. Other PCE-related compounds, including trichloroethene (TCE) and dichloroethene (DCE) were also identified. Vinyl chloride and pesticide organic compounds were not detected in any of the samples analyzed.

The highest concentration of PCE-related compounds were found in MUN-4 (1,900 ppb PCE, 11 ppb TCE, 2.1 ppb DCE) and MUN-3 (1,500 ppb PCE, 60 ppb TCE). Lesser concentrations of PCE-related compounds were detected in MUN-1 (250 ppb PCE) and MUN-2 (43 ppb PCE, 5.9 ppb TCE). These results indicate that all of the reported concentrations of PCE and TCE exceed

the New York State groundwater standard of 5 ppb, except for TCE (ND) in MUN-1 and DCE (2.1 ppb) in MUN-4.

Although on-site groundwater elevation data is not available, the analytical results indicate that groundwater flow is towards the northwest. Precise groundwater elevations and direction of flow cannot be determined from temporary sampling points. Permanent, surveyed monitoring wells are needed to obtain this information. This assumption is based upon the fact that significantly higher VOC concentrations were detected north and west of the site source (e.g. basement) in MUN-3 and MUN-4, whereas the concentrations drop-off considerably to the south and east in MUN-1 and MUN-2 (Figure 4). This trend is also supported by the higher concentrations of TCE in MUN-3 and MUN-4, and the detection of DCE in MUN-4. TCE and DCE are natural degradation by-products of PCE and higher concentrations of them would typically be present down gradient nearer the leading edge, and thereby older region, of the groundwater plume.

7.0 RECOMMENDED INTERIM REMEDIAL MEASURES

Based upon the findings of this PSA, an interim remedial program is required to address soil contamination in the basement of the former Munsey Cleaners facility. A review of the soil headspace screening and analytical results suggests that contamination exists in the basement soils. Some of this contamination exists at greater than five feet below the basement surface. However, visual observations reveal that discolored and product-saturated soil exists only in the upper foot or so of the soil column.

Based upon these findings, it is recommended that an interim remedial measure (IRM) that consists of a combination of soil excavation and removal, and soil vapor extraction be implemented. The basic conceptual IRM plan is discussed in the following sections below. An IRM Work Plan with design details will be submitted following NYSDEC approval of this PSA Report.

7.1 Soil Excavation

The soil excavation will consist of the removal of the discolored and product-saturated soils using manual labor in conjunction with a high-pressure vacuum system (e.g. "Super Sucker"™). The Super Sucker™ will be placed outside the building near the back door and a hose capable of reaching into the basement will be extended from the outside into the basement where needed.

The Super Sucker™ will be used to remove contaminated soils to a depth of approximately two feet below the existing basement floor in the areas marked on Figure 5 and the two floor drains. The work will proceed from the furthest end (north side) of the impacted area towards the entrance to the room followed by the excavation of floor drain FD-1 and then floor drain FD-2. This will reduce the tracking of contaminated soil on to "clean" areas that have been previously excavated.

It is estimated that approximately thirty (30) cubic yards of soil will be removed in the manner described above: about 28 cubic yards from the floor area and 1 cubic yard from each floor drain. Applying a contingency factor of 15%, as is commonly performed with work of this nature, the estimated quantity of soil to be removed and disposed is 35 cubic yards which amounts to approximately 44 tons. End-point samples will be collected in selected areas of the excavation bottom and chemically analyzed for halogenated VOC's and pesticides.

Headspace screening using an HNU will be used to determine the depth of excavation in the floor drains. This procedure will be identical to that described in Section 3.2.1.3 in the PSA Work Plan. The excavation will continue until a headspace screening of less than 10 ppm is obtained or until excavation can no longer be safely or efficiently continued. At the conclusion of the floor drain excavation activities, one end-point soil samples will be collected from each drain and submitted to the laboratory for halogenated volatile organic analysis and pesticides.

7.2 Vapor Extraction System

A soil vapor extraction (SVE) system will be designed, installed and operated to remove VOC vapors detected in the unsaturated soils in the basement. SVE technology is a proven cost-effective and reliable method to remove subsurface VOC vapors, including halogenated volatiles, from the unsaturated zone. By applying a vacuum to the soils in the impacted area, air flow through the soil matrix is induced. The subsequent air flow strips the volatile compounds from the soil and transports them to the screened extraction well(s) whereby the air emissions are typically controlled by capturing the volatiles onto absorbent media such as activated carbon.

The SVE system will consist of a network of PVC pipes placed horizontally into shallow trenches in the basement as shown on Figure 6. The Super Sucker will be used to create the shallow one-foot wide trenches. Vapor extraction trenches will be placed in the areas of the basement that displayed the highest levels of VOC. Two-inch diameter slotted PVC pipe will be placed in the

trenches and covered with an envelope of pea gravel. The gravel will in turn be covered with a layer of sand followed by plastic sheeting. Clean fill and cement will be placed over the plastic sheeting as illustrated on Figure 7.

Prior to installing an SVE system at the site, a site-specific pilot test will be performed to determine the applicability and performance of an SVE system including the optimal flow rate, vacuum and radius of influence of an extraction well. Using this information, a comprehensive system design will be prepared. Preliminary design criteria of approximately 150 cubic feet per minute (CFM) and a vacuum of approximately 10 to 20 inches of water at the blower inlet will be evaluated during the pilot test. Canisters of granular activated carbon will be evaluated as a means of off-gas control.

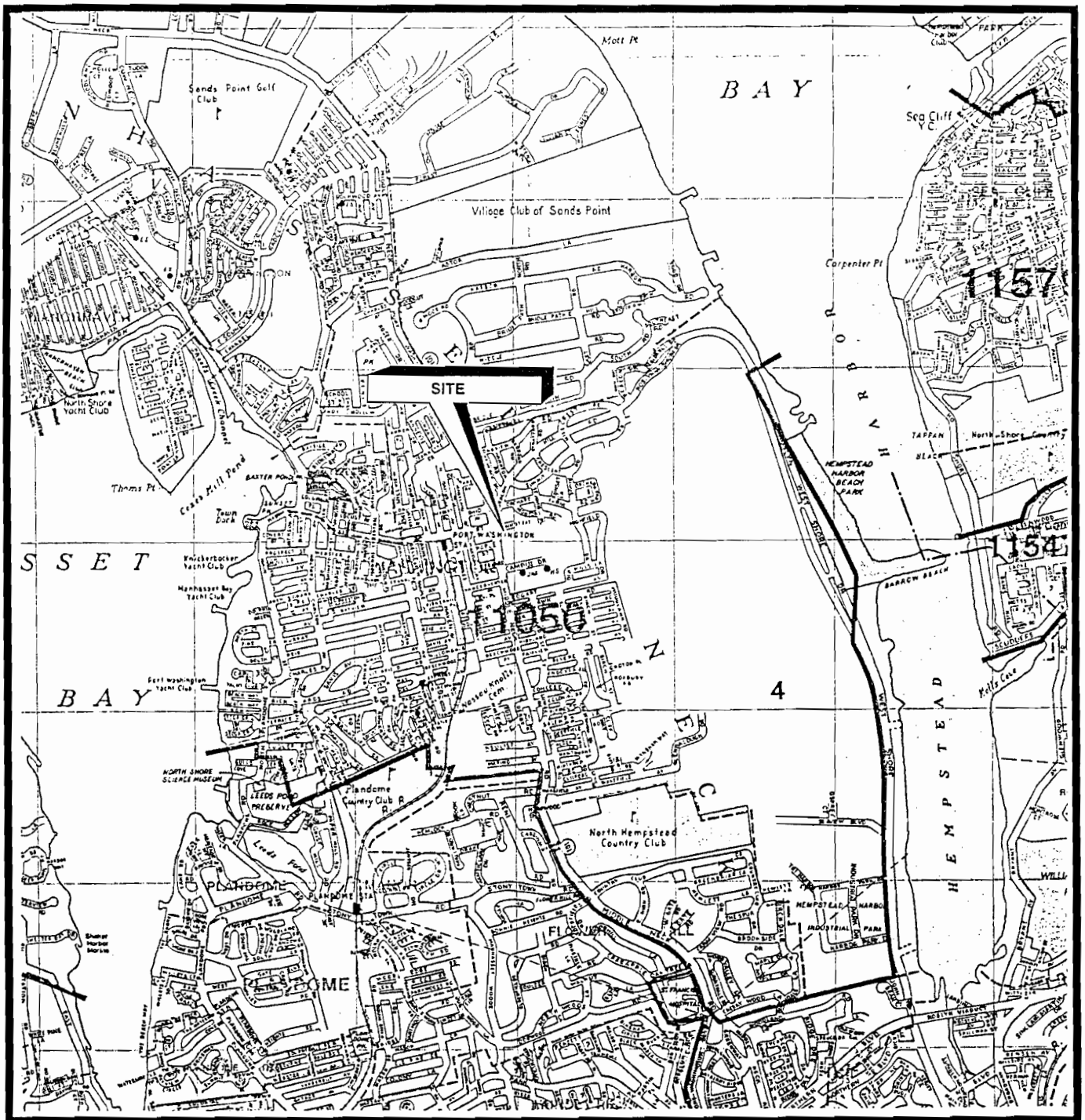
8.0 REFERENCES

1. CA Rich Consultants, Inc., 1996, Preliminary Site Assessment Work Plan, former Munsey Cleaners Site, Port Washington, New York.

2. Nassau County Department of Health, February 1995, Soil Contamination Investigation Report, Munsey Dry Cleaners, 1029 Port Washington Blvd., Port Washington, New York.

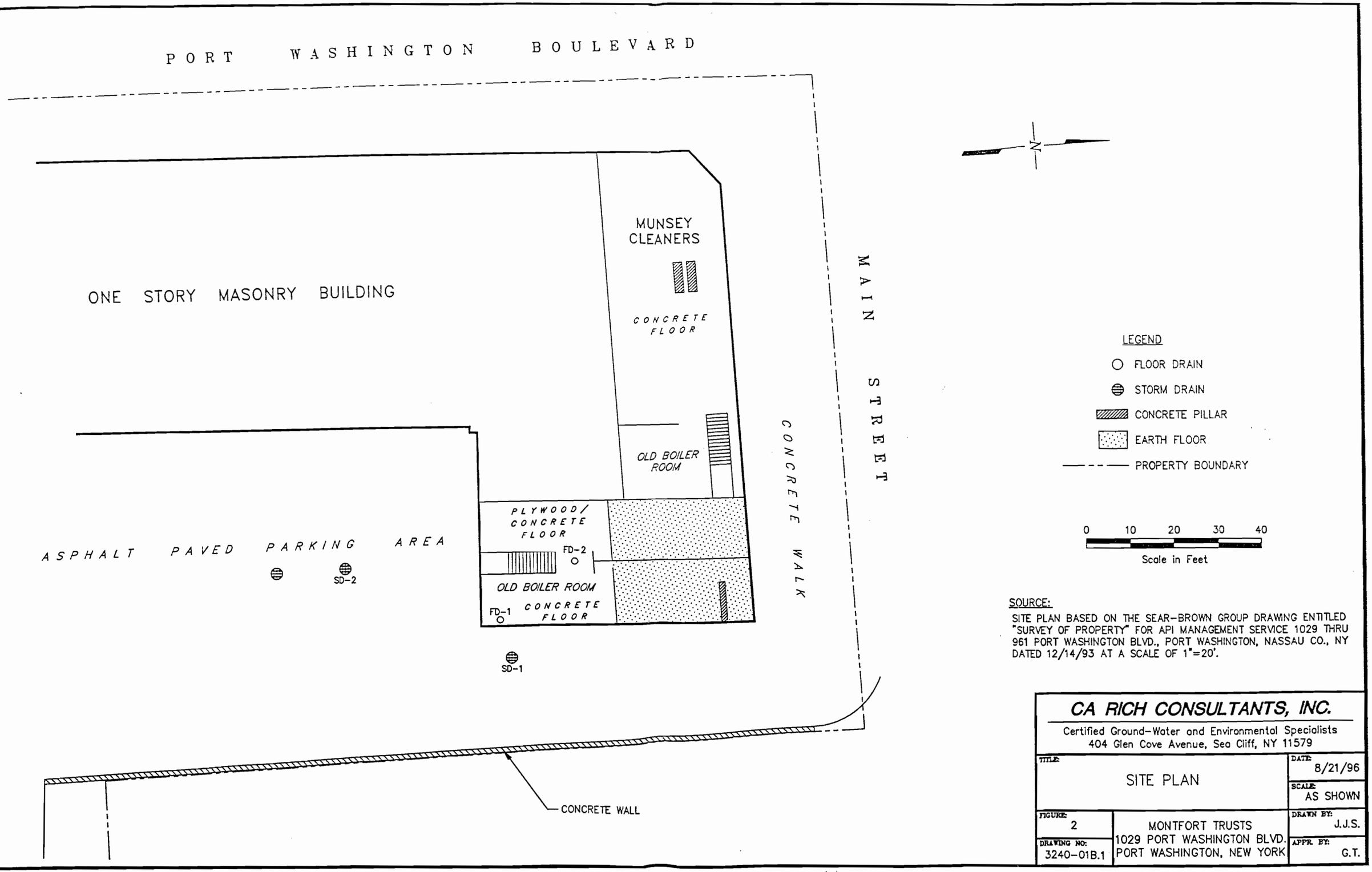
3. Casson, R.N., 1992, Geohydrology and 1985 Ground-water Levels on Manhasset Neck, Long Island, New York: U.S. Geological Survey, Water Resources Investigations Report 88-4127.

Figures



SITE LOCATION MAP

CA RICH CONSULTANTS, INC. Certified Ground-Water and Environmental Specialists 404 Glen Cove Avenue, Sea Cliff, N.Y. 11579	former Munsey Cleaners Port Washington, NY
	Prepared By: GAT — Date: August1996
Scale: 1:36,900 13/4 " = 1 Mile	Reviewed By: EAW — Figure: 1



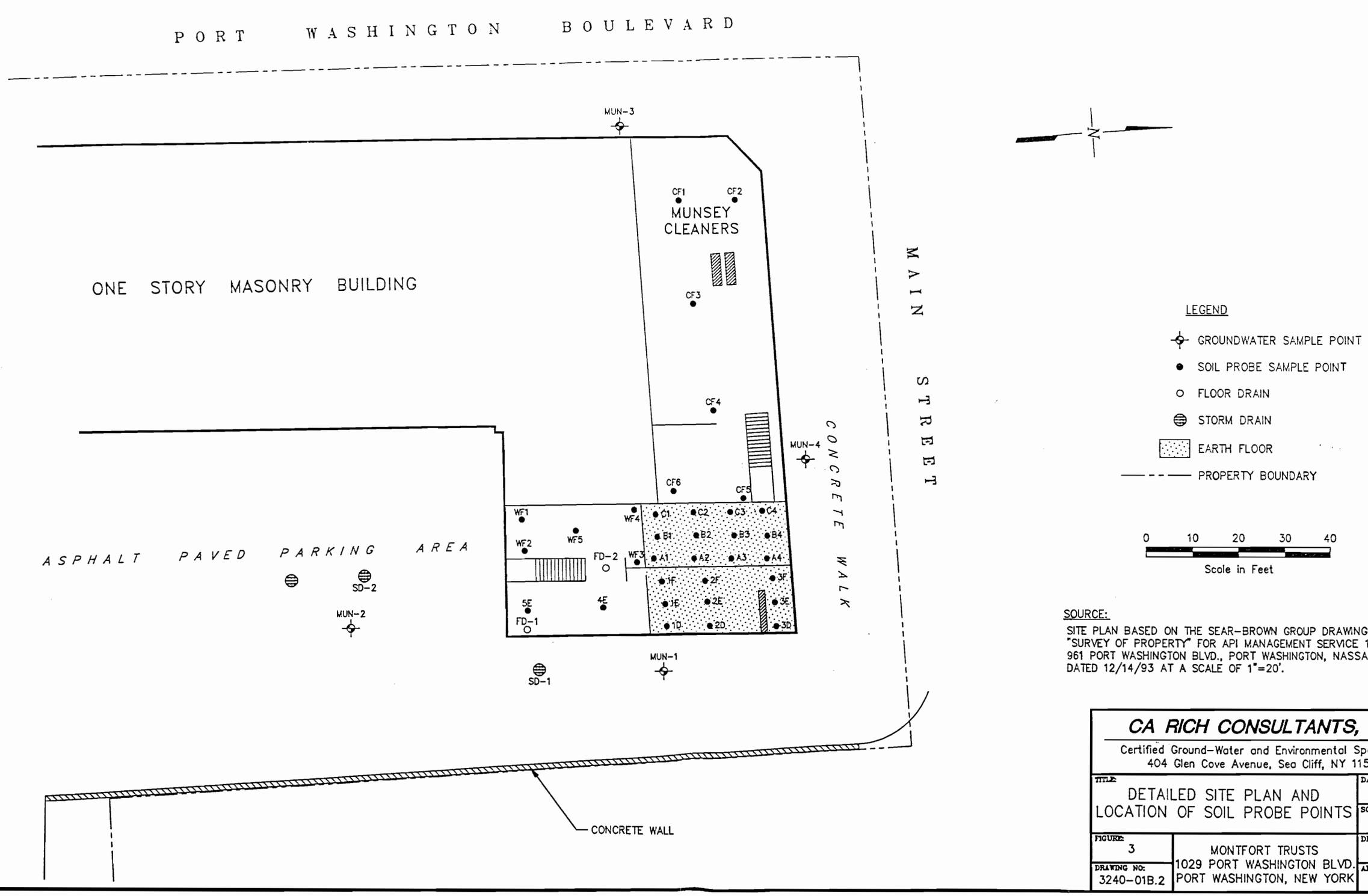
SOURCE:

SITE PLAN BASED ON THE SEAR-BROWN GROUP DRAWING ENTITLED "SURVEY OF PROPERTY" FOR API MANAGEMENT SERVICE 1029 THRU 961 PORT WASHINGTON BLVD., PORT WASHINGTON, NASSAU CO., NY DATED 12/14/93 AT A SCALE OF 1"=20'.

CA RICH CONSULTANTS, INC.

Certified Ground-Water and Environmental Specialists
404 Glen Cove Avenue, Sea Cliff, NY 11579

TITLE: SITE PLAN		DATE: 8/21/96
		SCALE: AS SHOWN
FIGURE: 2	MONTFORT TRUSTS 1029 PORT WASHINGTON BLVD. PORT WASHINGTON, NEW YORK	DRAWN BY: J.J.S.
DRAWING NO: 3240-01B.1		APPR. BY: G.T.



SOURCE:

SITE PLAN BASED ON THE SEAR-BROWN GROUP DRAWING ENTITLED "SURVEY OF PROPERTY" FOR API MANAGEMENT SERVICE 1029 THRU 961 PORT WASHINGTON BLVD., PORT WASHINGTON, NASSAU CO., NY DATED 12/14/93 AT A SCALE OF 1"=20'.

CA RICH CONSULTANTS, INC.

Certified Ground-Water and Environmental Specialists
404 Glen Cove Avenue, Sea Cliff, NY 11579

TITLE: DETAILED SITE PLAN AND LOCATION OF SOIL PROBE POINTS	DATE: 8/21/96
	SCALE: AS SHOWN
FIGURE: 3	DRAWN BY: J.J.S.
DRAWING NO: 3240-01B.2	MONTFORT TRUSTS 1029 PORT WASHINGTON BLVD. PORT WASHINGTON, NEW YORK
	APPR. BY: G.T.

Legend

Keymap

County Legislative Districts

BEACON HILL & VICINITY

WELL LOCATIONS

BEAHILL - WELL LOCATIONS

N

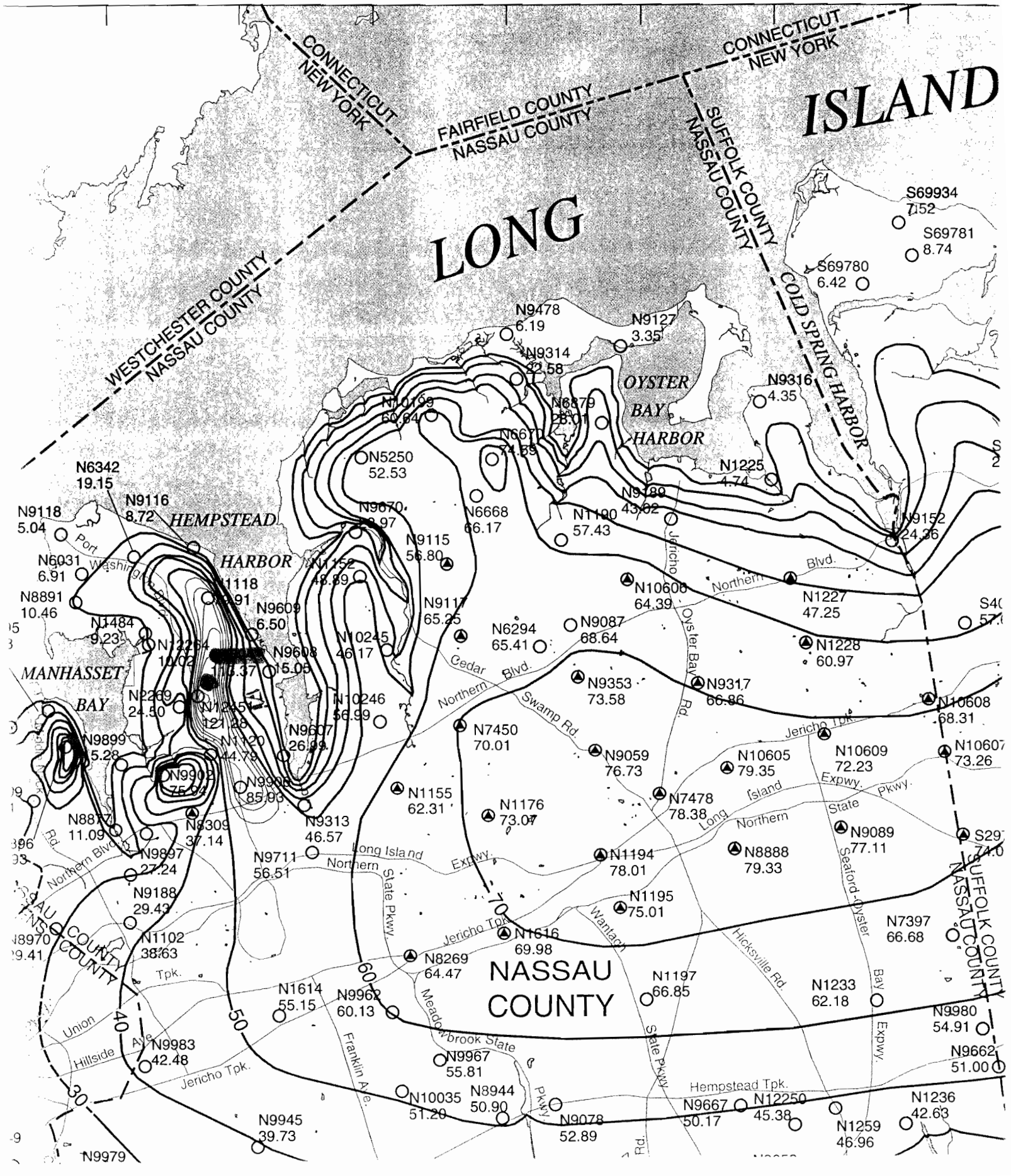
Scale: 1" = 856'

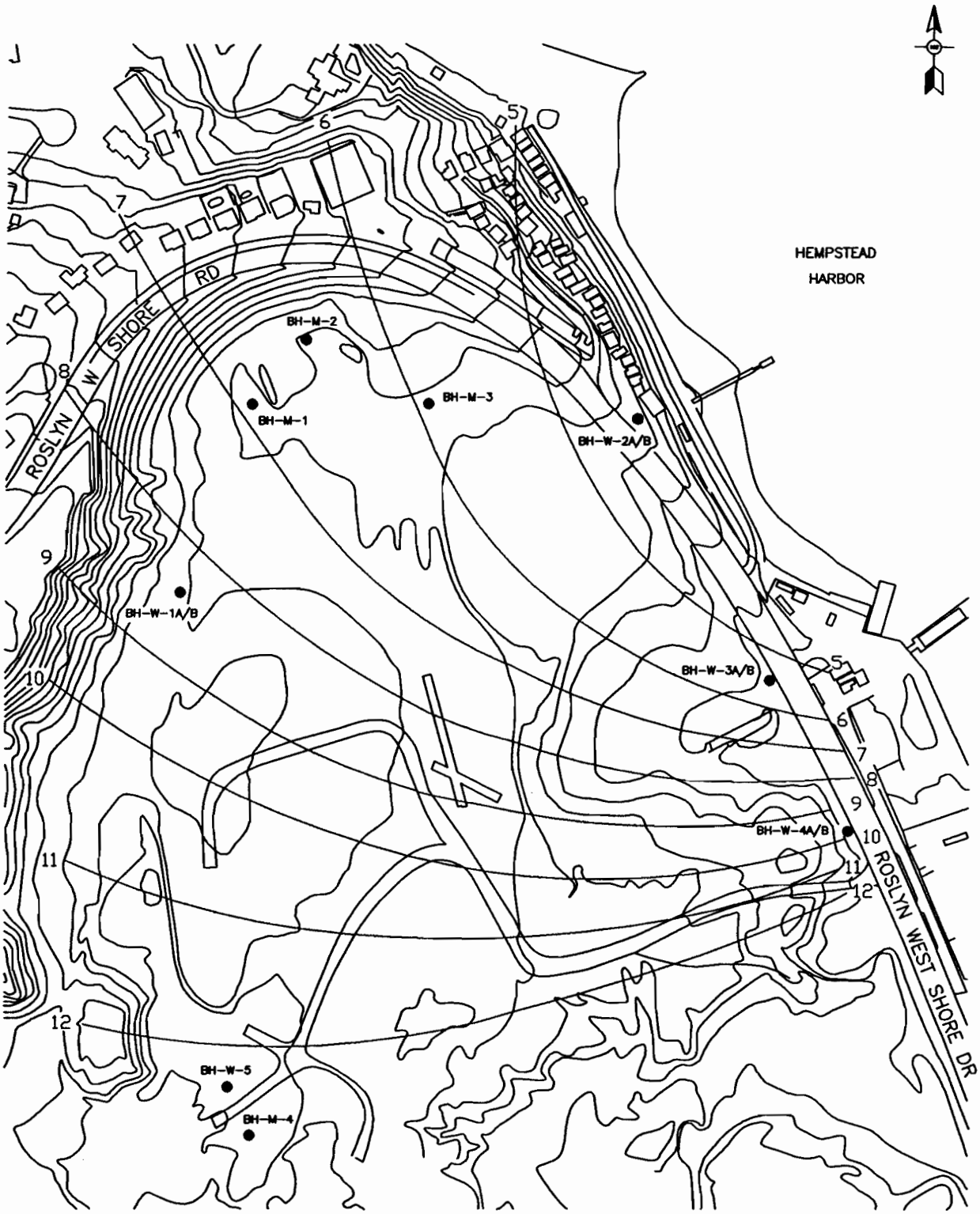
NASSAU COUNTY

GEOGRAPHIC INFORMATION SYSTEM

February 19, 1999

PREPARED IN COOPERATION WITH THE
SUFFOLK COUNTY WATER AUTHORITY
NASSAU COUNTY DEPARTMENT OF PUBLIC WORKS
NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION



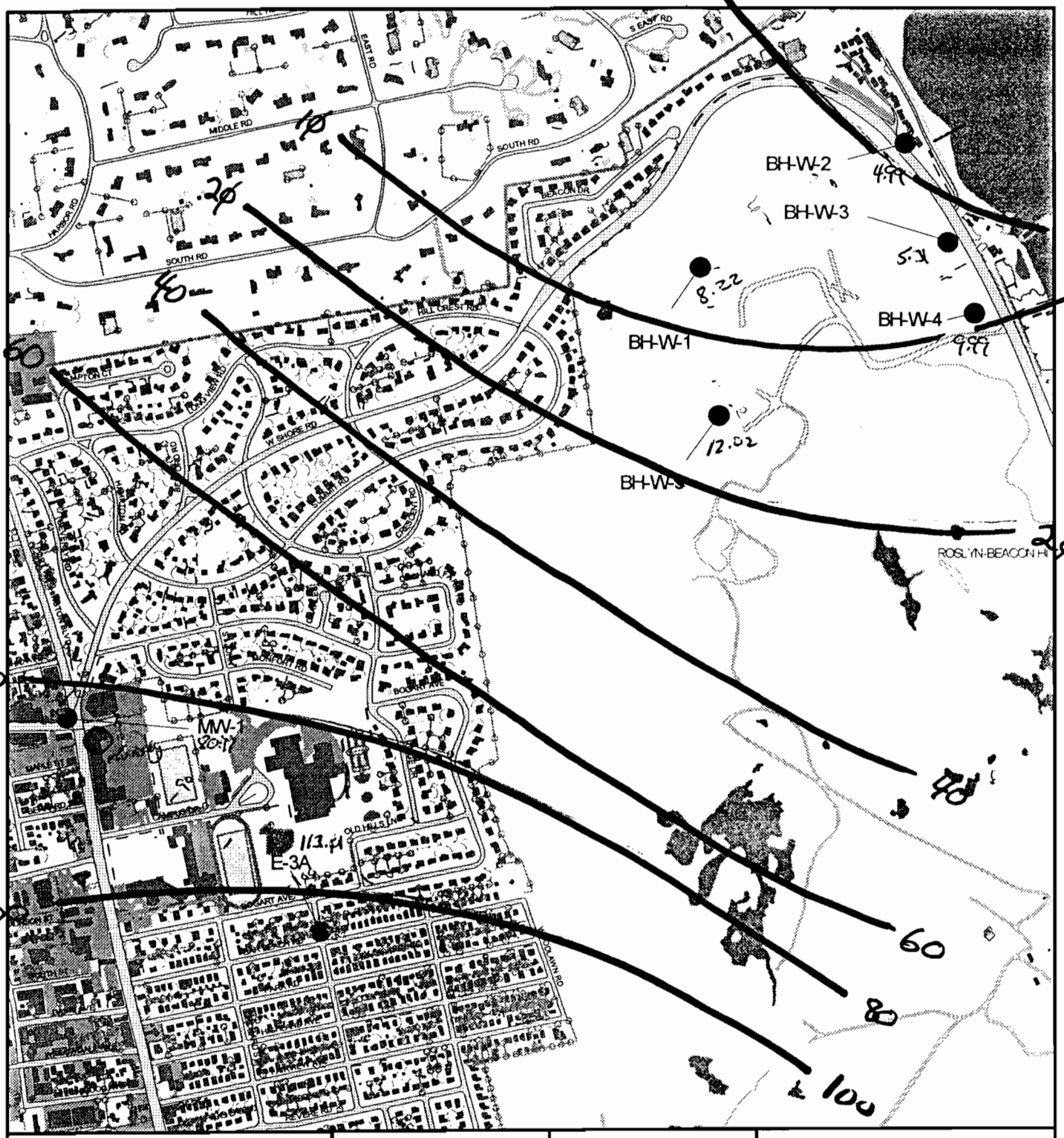


LEGEND

- GROUNDWATER MONITORING WELLS
- METHANE MONITORING WELLS

FIGURE 2

			FILE: \DWG\BEAWATER	CONTRACT NUMBER: X	SHEET NO. 1 OF 1	COUNTY OF NASSAU DEPARTMENT OF PUBLIC WORKS SANITATION & WATER SUPPLY HAZARDOUS WASTE SERVICES UNIT	WATER LEVEL CONTOURS - 6/15/98 ROSLYN/BEACON HILL LANDFILL PORT WASHINGTON, NEW YORK
			SCALE: NOT TO SCALE	SPEC. NO. X	DRAWN BY: R.KOPCHINSKI	DATE 7/98	
0	ORIGINAL RELEASE	XX	DESIGNED BY: R.KOPCHINSKI	DATE 7/98	CHECKED BY: M.FLAHERTY	DATE 7/98	
NO.	REVISION DESCRIPTION	DATE					



Legend

Keymap

County Legislative Districts

BEACON HILL & VICINITY

WELL LOCATIONS

BEAHILL - WELL LOCATIONS

N

Scale: 1" = 856'

NASSAU COUNTY

GEOGRAPHIC INFORMATION SYSTEM

February 19, 1998

Approximate Water Table Configuration 6/98

PORT WASHINGTON BOULEVARD

MUN-3

MUN-3
Perchloroethene 1,500 ppb
Trichloroethene 60 ppb
Dichloroethene ND
Vinyl Chloride ND

MUNSEY CLEANERS

ONE STORY MASONRY BUILDING

MAIN STREET

MUN-4

MUN-4
Perchloroethene 1,900 ppb
Trichloroethene 11 ppb
Dichloroethene 2.1 ppb
Vinyl Chloride ND

CONCRETE WALK

FD-2

ASPHALT PAVED PARKING AREA

SD-2

MUN-2

MUN-2
Perchloroethene 43 ppb
Trichloroethene 5.9 ppb
Dichloroethene ND
Vinyl Chloride ND

FD-1

SD-1

MUN-1

MUN-1
Perchloroethene 250 ppb
Trichloroethene ND
Dichloroethene ND
Vinyl Chloride ND

CONCRETE WALL

N

LEGEND

- GROUNDWATER SAMPLE POINT
- FLOOR DRAIN
- STORM DRAIN
- EARTH FLOOR
- PROPERTY BOUNDARY
- ppb PARTS PER BILLION
- ND NONE DETECTED

0 10 20 30 40
Scale in Feet

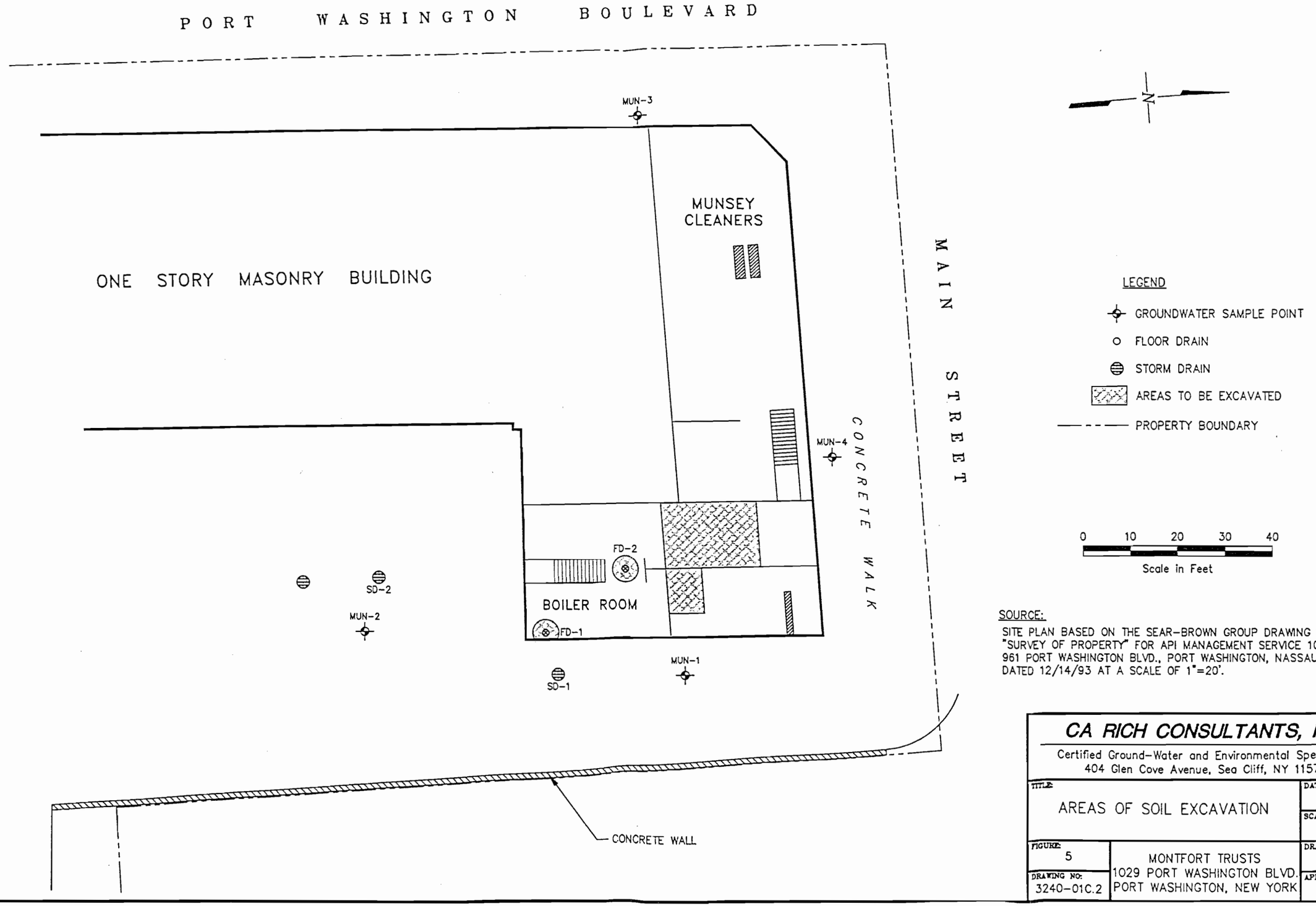
SOURCE:

SITE PLAN BASED ON THE SEAR-BROWN GROUP DRAWING ENTITLED "SURVEY OF PROPERTY" FOR API MANAGEMENT SERVICE 1029 THRU 961 PORT WASHINGTON BLVD., PORT WASHINGTON, NASSAU CO., NY DATED 12/14/93 AT A SCALE OF 1"=20'.

CA RICH CONSULTANTS, INC.

Certified Ground-Water and Environmental Specialists
404 Glen Cove Avenue, Sea Cliff, NY 11579

TITLE: DETAILED SITE PLAN AND GROUNDWATER VOC CONCENTRATION		DATE: 8/20/96
		SCALE: AS SHOWN
FIGURE: 4	MONTFORT TRUSTS 1029 PORT WASHINGTON BLVD. PORT WASHINGTON, NEW YORK	DRAWN BY: J.J.S.
DRAWING NO: 3240-01B.3		APPR BY: G.T.



SOURCE:

SITE PLAN BASED ON THE SEAR-BROWN GROUP DRAWING ENTITLED "SURVEY OF PROPERTY" FOR API MANAGEMENT SERVICE 1029 THRU 961 PORT WASHINGTON BLVD., PORT WASHINGTON, NASSAU CO., NY DATED 12/14/93 AT A SCALE OF 1"=20'.

CA RICH CONSULTANTS, INC.

Certified Ground-Water and Environmental Specialists
404 Glen Cove Avenue, Sea Cliff, NY 11579

TITLE: AREAS OF SOIL EXCAVATION		DATE: 8/21/96
		SCALE: AS SHOWN
FIGURE: 5	MONTFORT TRUSTS 1029 PORT WASHINGTON BLVD. PORT WASHINGTON, NEW YORK	DRAWN BY: J.J.S.
DRAWING NO: 3240-01C.2		APPR. BY: G.T.

PORT WASHINGTON BOULEVARD

MUN-3

MUNSEY CLEANERS

ONE STORY MASONRY BUILDING

MAIN STREET

CONCRETE WALK

MUN-4

FD-1

FD-1

MUN-1

SD-1

BOILER ROOM

LEGEND

- SLOTTED VAPOR EXTRACTION PIPE
- AIR/WATER SEPARATOR
- BLOWER
- CARBON CANISTER
- AIR DISCHARGE PORT
- REGULATOR VALVE
- VADOSE ZONE MONITORING POINT

N

0 5 10 15 20

Scale in Feet

LEGEND

- GROUNDWATER SAMPLE POINT
- FLOOR DRAIN
- STORM DRAIN
- PROPERTY BOUNDARY

N

0 10 20 30 40

Scale in Feet

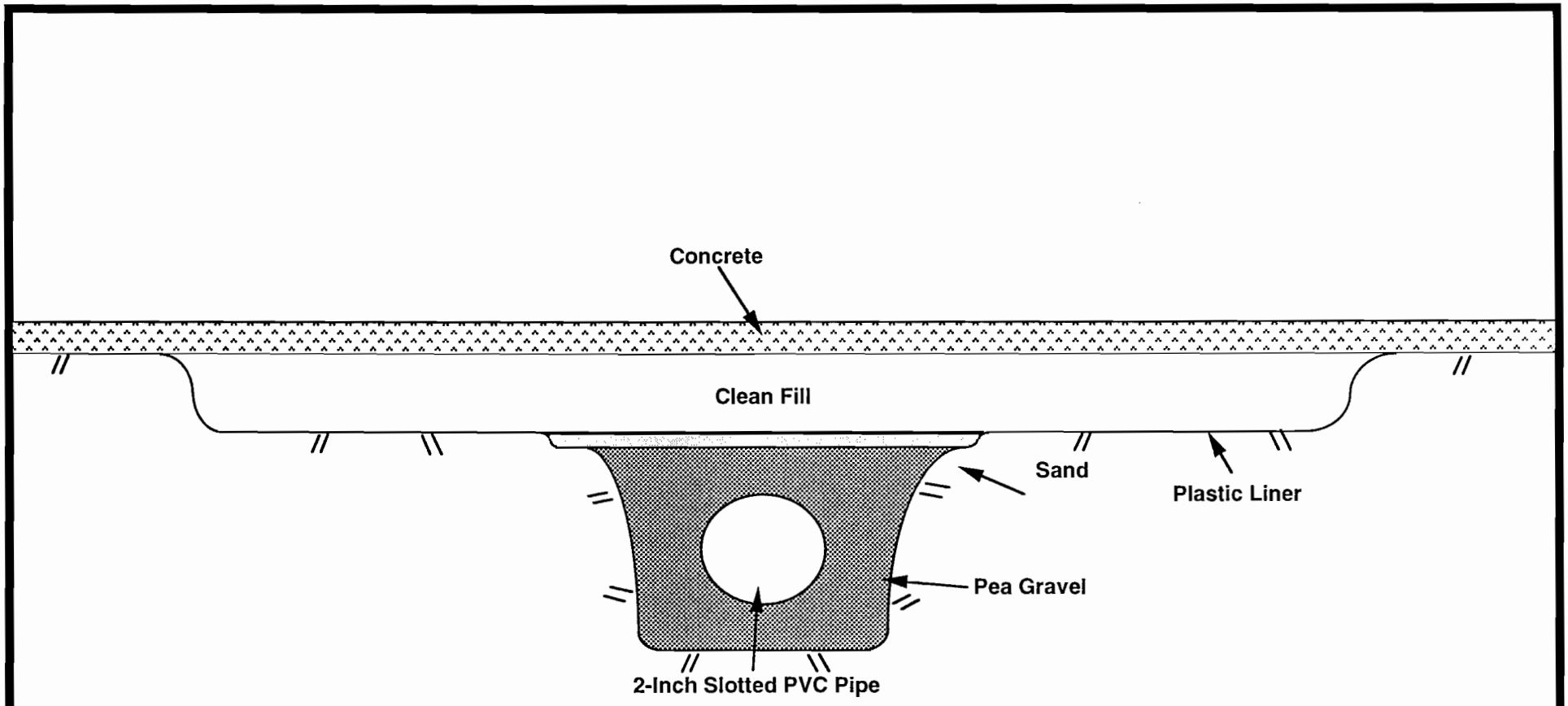
SOURCE:

SITE PLAN BASED ON THE SEAR-BROWN GROUP DRAWING ENTITLED "SURVEY OF PROPERTY" FOR API MANAGEMENT SERVICE 1029 THRU 961 PORT WASHINGTON BLVD., PORT WASHINGTON, NASSAU CO., NY DATED 12/14/93 AT A SCALE OF 1"=20'.

CA RICH CONSULTANTS, INC.

Certified Ground-Water and Environmental Specialists
404 Glen Cove Avenue, Sea Cliff, NY 11579

TITLE: GENERAL VES CONFIGURATION		DATE: 8/21/96
		SCALE: AS SHOWN
FIGURE: 6	MONTFORT TRUSTS 1029 PORT WASHINGTON BLVD. PORT WASHINGTON, NEW YORK	DRAWN BY: J.J.S.
DRAWING NO: 3240-01C.2		APPR BY: G.T.



SVE System Cross-Section

CA RICH CONSULTANTS, INC.
Certified Ground-Water and Environmental Specialists
404 Glen Cove Avenue, Sea Cliff, N.Y. 11579

Former Munsey Cleaners
Port Washington, New York

Prepared By:	CG	Date:	August 1996
Reviewed By:	EAW	Figure:	7

Users\Chris\Drawings&Photos\MacDrawII\Old Maps\SVE System X-Section

Tables

Table 1

Soil Field Screening

Location	Headspace Measurement (ppm)	Depth (feet)
1A	400	1
1A	350	5
1B	600	1
1B	500	5
1C	275	1
1D	400	1
1E	300	1
1E	400	5
1F	250	1
2A	600	1
2A	17	4.5
2B	350	1
2C	350	1
2D	1.5	1
2D	9	4.5
2E	1	1
2F	1	1
2F	14	4
3A	500	1
3A	8	4
3B	100	1
3B	20	3
3C	200	1
3C	12	4
3D	8	1
3E	3	1
3E	1	4.5
3F	1	1
4A	3.5	1
4B	12	1
4C	6	1
WF-1	17	1
WF-2	70	1
WF-3	400	1
WF-4	400	1
WF-5	100	1
FD-1	400	1
FD-2	400	4
CF-1	1	1
CF-2	<1	1
CF-3	5	1
CF-4	10	1
CF-5	50	1
CF-6	20	1
SD-1	5	1
SD-2	30	1

Table 2
Summary of Volatile Organic
Compounds Detection in Soil

Sample ID	1B5	1-E-5	3-A-4	3-C-1	1-D1	3D1	2F1	2A1	FD-2	CF5	WF2	WF-2-Dup	SD-2	4E *	5E *	NYSDEC TAGM**
Date Sampled	6/3/96	6/3/96	6/3/96	6/3/96	6/3/96	6/3/96	6/3/96	6/3/96	6/4/96	6/4/96	6/4/96	6/4/96	7/1/96	7/1/96	7/1/96	Cleanup Objectives
Parameters																
VOLATILE ORGANIC COMPOUNDS (EPA Method 8010)																
Units	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NV
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NV
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	200
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,900
Methylene Chloride	3,400 B	2.6 B	4.5 B	19 B	26 B	24 B	23 B	3400 B	3000 B	17 B	34 B	29 B	8.9 B	3000 JB	2 JB	100
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	400
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	200
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	300
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	300
1,2-Dichlorethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	800
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	600
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NV
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NV
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NV
Trichloroethene	25,000	ND	ND	ND	ND	ND	0.6 J	8800	3700	ND	ND	ND	ND	ND	ND	700
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NV
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NV
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NV
Tetrachloroethene	4,200,000	68	9.2	10,000	150	46	140	2,600,000	12,000,000	3,300	66	62	2.1	560,000 E	180	1,400
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	600
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,700
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NV
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NV
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7,900
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,600
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8,500
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NV

NOTES:

µg/Kg- micrograms per Kilogram - parts per billion.
J - Indicates an estimated value.
ND - Not detected above reportable detection limit.
NV - No Value Listed

* NYSDEC Technical and Administrative Guidence Memorandum: Determination of Cleanup Objectives and Cleanup Levels; 1/24/94

* Sample collected and analyzed by NYSDEC

Table 3
Summary of Pesticide Organic Detections in Soil
Former Munsey Cleaners

Sample ID Date Sampled Parameters	1B5 6/3/96	1-E-5 6/3/96	3-A-4 6/3/96	3-C-1 6/3/96	1-D1 6/3/96	3D1 6/3/96	2F1 6/3/96	2A1 6/3/96	FD-2 6/4/96	CF5 6/4/96	WF2 6/4/96	NYSDEC TAGM** Cleanup Objectives
TCL PESTICIDE	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
alpha-BHC	ND	ND	ND	ND	ND	ND	ND	34 D	ND	ND	ND	110
beta-BHC	ND	ND	ND	ND	ND	ND	ND	34 D	ND	ND	ND	200
delta-BHC	ND	ND	ND	ND	ND	ND	ND	65 D	9	ND	ND	300
gamma-BHC (Lindane)	ND	ND	ND	ND	ND	ND	ND	12 D	ND	ND	ND	60
Heptachlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100
Aldrin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	41
Heptachlor Epoxide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20
Endosulfan I	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	900
Dieldrin	940 D	6.9 J	11 J	23	36 J	9	ND	ND	ND	ND	ND	44
4,4' - DDE	2,100 D	110	21	120	910	8.2 J	14 J	ND	94	ND	ND	2,100
Endrin	ND	ND	ND	ND	110 D	ND	ND	ND	28	ND	ND	100
Endosulfan II	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	900
4,4' - DDD	320,000	740	2,200 D	940 D	9,600 D	110	59	490,000 D	4,000 J	7.8 J	ND	2,900
Endosulfan Sulfate	ND	ND	ND	ND	ND	ND	ND	NV	ND	ND	ND	1,000
4,4' - DDT	12,000	1,300	96	340 D	27,000 D	930 D	97	62,000 D	1,800 E	12 J	ND	2,100
Methoxychlor	ND	1,300	ND	ND	ND	31 J	ND	ND	13,000 D	ND	ND	***
Endrin Ketone	ND	ND	ND	ND	ND	ND	ND	ND	7,600 J	ND	ND	NV
Endrin Aldehyde	ND	ND	ND	6.6 J	ND	ND	ND	ND	11 J	ND	ND	NV
alpha-Chlordane	ND	6.9 J	24	150	13 J	17	8.1 J	ND	5 J	ND	ND	NV
gamma-Chlordane	ND	9.7	11	89	37 J	11 J	5.5 J	ND	49	ND	ND	540
Toxaphene	ND	ND	ND	ND	ND	ND	ND	ND	86,022	ND	ND	NV

NOTES:

µg/Kg- micrograms per Kilogram - (parts per billion).
J - Indicates an estimated value.
E - Compounds whose concentrations exceeded the calibration range of the instrument
D - Compound identified in an analysis at a secondary dilution factor
ND - Not detected above reportable detection limit.
NV - No Value Listed in TAGM

Shaded area indicates detection above cleanup objective

* Sample collected and analyzed by NYSDEC

** NYSDEC Technical and Administrative Guidance Memorandum: Determination of Cleanup Objectives and Cleanup Levels; HWR-94-4046, 1/24/94

*** As per TAGM #4046, total pesticides < 10,000ppb

Table 4
Summary of Semi-Volatile Organic
Compound Detections in Soil
Former Munsey Cleaners

Sample ID	FD-2	CF5	WF2	NYSDEC TAGM**
Date Sampled	6/4/96	6/4/96	6/4/96	Cleanup Objectives
Parameters				
SEMI-VOLATILE ORGANIC COMPOUNDS (EPA Method 8270)				
Units	µg/Kg	µg/Kg	µg/Kg	µg/Kg
bis (2-Chloroethyl) Ether	ND	ND	ND	NV
1,3-Dichlorobenzene	ND	ND	ND	1,600
1,4-Dichlorobenzene	ND	ND	ND	8,500
1,2-Dichlorobenzene	ND	ND	ND	7,900
2,2'-oxybis (1-Chloropropane)	ND	ND	ND	NV
N-Nitroso-di-n-propylamine	ND	ND	ND	NV
Hexachloroethane	140 J	ND	ND	NV
Nitrobenzene	ND	ND	ND	200 or MDL
Isophorone	ND	ND	ND	4,400
1,2,4-Trichlorobenzene	ND	ND	ND	3,400
Naphthalene	ND	ND	ND	13,000
4-Chloroaniline	ND	ND	ND	220 or MDL
Hexachlorobutadiene	ND	ND	ND	NV
bis (2-Chloroethoxy) methane	ND	ND	ND	NV
2-Methylnaphthalene	ND	ND	ND	36,400
Hexachlorocyclopentadiene	ND	ND	ND	NV
2-Chloronaphthalene	ND	ND	ND	NV
2-Nitroaniline	ND	ND	ND	430
Dimethylphthalate	ND	ND	ND	2,000
Acenaphthylene	ND	ND	ND	41,000
2,6-Dinitrotoluene	ND	ND	ND	1,000
3-Nitroaniline	ND	ND	ND	500 or MDL
Acenaphthene	ND	ND	ND	50,000 ***
Dibenzofuran	ND	ND	ND	6,200
2,4-Dinitrotoluene	ND	ND	ND	NV
Diethylphthalate	ND	ND	ND	7,100
4-Chlorophenyl-phenylether	ND	ND	ND	NV
Fluorene	ND	ND	ND	50,000 ***
4-Nitroaniline	ND	ND	ND	NV
N-Nitrosodiphenylamine (1)	ND	ND	ND	NV
4-Bromophenyl-phenylether	ND	ND	ND	NV
Hexachlorobenzene	ND	ND	ND	410
Phenanthrene	ND	ND	ND	50,000 ***
Anthracene	ND	ND	ND	50,000 ***
Carbazole	ND	ND	ND	NV
Di-n-butylphthalate	200 J	ND	ND	8,100
Fluoranthene	ND	ND	ND	50,000 ***
Pyrene	53 J	ND	ND	50,000 ***
Butylbenzylphthalate	840	ND	ND	50,000 ***
3,3'-Dichlorobenzidine	ND	ND	ND	NV
Benzo (a) anthracene	ND	ND	ND	224 or MDL
Chrysene	ND	ND	ND	400
bis (2-Ethylhexyl)phthalate	3300 D	ND	ND	50,000 ***
Di-n-octylphthalate	220 J	ND	ND	50,000 ***
Benzo (b) fluoranthene	ND	ND	ND	1,100
Benzo (k) fluoranthene	ND	ND	ND	1,100
Benzo (a) pyrene	ND	ND	ND	61 or MDL
Indeno (1,2,3-cd) pyrene	ND	ND	ND	3,200
Dibenz (a,h) anthracene	ND	ND	ND	14 or MDL
Benzo (g,h,i) perylene	ND	ND	ND	50,000 ***

NOTES:

µg/Kg- micrograms per Kilogram - parts per billion.
J - Indicates an estimated value.
D - Compound identified in an analysis at secondary dilution factor
ND - Not detected above reportable detection limit.
NV - No Value Listed in TAGM

** NYSDEC Technical and Administrative Guidence Memorandum: Determination of Cleanup Objectives and Cleanup Levels; 1/24/94

*** As per TAGM #4046, total Semi-VOCs < 500,000ppb and individual Semi-VOCs <50,000ppb

Table 5
Summary of Volatile Organic
Compounds Detection in Water
Former Munsey Cleaners

Sample ID Date Sampled Parameters	**MUN-1** 6/3/96	**MUN-2** 6/3/96	**MUN-3** 6/3/96	**MUN-4** 6/3/96	**NYSDEC TOGS**** Guidance Values
VOLATILE ORGANIC COMPOUNDS (EPA Method 8010)					
Units	µg/L	µg/L	µg/L	µg/L	µg/L
Tetrachloroethene	250	43	1,500	1,900	5
Trichloroethene	ND	5.9	60	11	5
trans-1,2-Dichloroethene	ND	ND	ND	2.1	5
Vinyl Chloride	ND	ND	ND	ND	2

NOTES:

µg/L- micrograms per Liter - parts per billion.
ND - Not detected above reportable detection limit.

Shaded area indicates detection above guidance value.

* NYSDEC Technical and Operational Guidence Series Memorandum: Ambient Water Quality Standards and Guidance Values; October 1993

APPENDIX A

Laboratory Summary Data Package

nytest environmental.
(516) 625-5500 FAX: (516) 625-1274

Quote 8147

Chain of Custody Record

page # : 1 of 1

Client Name	CA RICH
Address	404 Glen Cove Ave
	Sea Cliff NY 11579
Project Manager	George Tyers
Phone	516/671-3889 FAX 516/674-3901
Project Name	Former Mursey Cleaners
Project Number	
P.O. #	
Analytical Protocol	Deliverables
Sampled By	GT/CG

Login #: 27837

Ship to:
Nytest Environmental Inc.
60 Seaview Blvd
Port Washington N.Y. 11050
Attn.: Sample Control

Date Shipped:
Carrier:
Air Bill #:
Cooler #:
C of C #: MW 1
SDG #:
NEI QT #:

Analysis Requested

Lab ID (Lab Use Only)	Sample ID (Maximum of 6 Characters)	Date Sampled	Time Sampled	Sample Location	No. of Containers	Halogenated VOA 8010	Pesticides 8080
1,2,3	1B5	6/3/96	1400	earthen Rm West	2	✓	✓
4	1E5		1535	earth Rm EAST	2	✓	✓
5	3A4		1625	earth Rm West	2	✓	✓
6	3C1		1655	earth Rm West	2	✓	✓
7	1D1		1700	earth Rm EAST	2	✓	✓
8	3D1		1715	earth Rm EAST	2	✓	✓
9	2F1		1730	earth Rm East	2	✓	✓
11	FieldB			Field Blank	2	✓	
12	TripB1			Trip Blank	2	✓	
10	2A1		1750	earth Rm West	2	✓	✓

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

Comments

Relinquished by:	Date / Time	Received by:	Date / Time
Print Name: George Tyers	6/3/96 1815	Print Name: Con Beyer	6/3/96 18:15
Relinquished by:	Date / Time	Received by:	Date / Time
Print Name:		Print Name:	
Relinquished by:	Date / Time	Received by Laboratory:	Date / Time
Print Name: Con Beyer	6/3 18:15	Print Name: Michael Lan	6/3/96 1815

1900

Special Instructions : 1 MS / 1 MSD

CLIENT RETAINS YELLOW COPY ONLY

Lab Use Only

Custody Seals: Intact Broken (Absent)

Sample Rec'd in Good Condition? : (Y) N

Sample Temperature: 4 Degrees Celcius

INSPECTED BY:

COMMENTS:

nytest environmental.
(516) 625-5500 FAX: (516) 625-1274

Chain of Custody Record

page # : 1 of ___

Client Name	CA RICH Consultants Inc.
Address	404 Glen Cove Ave Sea Cliff NY 11579
Project Manager	George Tyers
Phone	516/674-3889 FAX 516/674-3901
Project Name	former Munsey Cleaners
Project Number	
P.O. #	
Analytical Protocol	Deliverables NYS ASP
Sampled By	GT/CG

Analysis Requested

Lab ID (Lab Use Only)	Sample ID (Maximum of 6 Characters)	Date Sampled	Time Sampled	Sample Location	No. of Containers	Halogenated VOC 8010	Sem+VOC B-N 8270	Pesticides 8080
1	FD2	6/4/96	1200	Floor Drain #2	3	✓	✓	✓
2	CF5		1600	concrete Floor Area	3	✓	✓	✓
3	WF2		1400	wooden Floor Area	3	✓	✓	✓
4	WF2DUP		1400	wooden Floor Dupe	1	✓		
5	TRIPBL1			Trip Blank	2	✓		
6	FieldBl			field Blank	2	✓		

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

Login #: 27847

Ship to:
Nytest Environmental Inc.
60 Seaview Blvd
Port Washington N.Y. 11050
Attn.: Sample Control

Date Shipped: ___
Carrier: ___
Air Bill #: ___
Cooler #: ___
C of C #: ___
SDG #: MUN1
NEI QT #: ___

Comments

	Date / Time		Date / Time
Relinquished by: George Tyers Print Name: George Tyers	6/4/96 1740	Received by: [signature] Print Name: KEVIN VALLON	06/4 1740
Relinquished by: Print Name:		Received by: 06/4/9 Print Name:	
Relinquished by: Print Name:		Received by Laboratory: [signature] Print Name: P. Pereira	6/4/96 1740

Special Instructions : NYS ACP -

CLIENT RETAINS YELLOW COPY ONLY

Lab Use Only

Custody Seals: Intact Broken Absent
Sample Rec'd in Good Condition? : Y N
Sample Temperature: 5 Degrees Celcius
INSPECTED BY: PP
COMMENTS:

nytest environmental.
(516) 625-5500 FAX: (516) 625-1274

page # : 1 of ___

Chain of Custody Record

Name: CA RICH Consultants Inc.
Address: 404 Glen Cove Ave
Sea cliff NY 11579

Project Manager: George Tyers
Phone: 516/674-3889 FAX 516/674-3901
Project Name: former Munsey Cleaners
Project Number:
P.O. #:
Analytical Protocol: ___ Deliverables: NYS ASP
Sampled By: GT/CG

Login #: 2784
Ship to:
Nytest Environmental Inc.
60 Seaview Blvd
Port Washington N.Y. 11050
Attn.: Sample Control
Date Shipped:
Carrier:
Air Bill #:
Cooler #:
C of C #:
SDG #: Munsey
NEI QT #:

Analysis Requested

Lab ID (Lab Use Only)	Sample ID (Maximum of 6 Characters)	Date Sampled	Time Sampled	Sample Location	No. of Containers	Halogenated VOC 8010	Semi VOC B-N 8270	Pesticides & PCBs 8080
1	FD2	6/4/96	1200	Floor Drain #2	3	✓	✓	✓
2	CF5		1600	concrete Floor Area	3	✓	✓	✓
3	WF2		1400	wooden Floor Area	3	✓	✓	✓
4	WF2DUP		1400	wooden Floor Dupe	1	✓		
5	TRIPBI			Trip Blk	2	✓		
6	Field B			field Blk	2	✓		

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

Comments

Relinquished by:	Date / Time	Received by:	Date / Time
Print Name: George Tyers	6/4/96 1740	Print Name: KELLY VALLON	06/4 1740
Relinquished by:	Date / Time	Received by: 06/4/9	Date / Time
Print Name:		Print Name:	
Relinquished by:	Date / Time	Received by Laboratory: P. Perides	Date / Time 6/4/96 1740
Print Name:		Print Name:	

Special Instructions: NYS ACP -

CLIENT RETAINS YELLOW COPY ONLY

Lab Use Only

Custody Seals: Intact Broken Absent
Sample Rec'd in Good Condition?: Y N
Sample Temperature: 5 Degrees Celcius
INSPECTED BY: PP
COMMENTS:

00018

nytest environmental.
(516) 625-5500 FAX: (516) 625-1274

Chain of Custody Record

page # : 1 of 1

Client Name	CA RICH Consultants Inc.
Address	404 Glen Cove Ave Sea Cliff NY 11579
Project Manager	George Tyers
Phone	516/674-3889 FAX 674-3901
Project Name	Munsey Cleaners
Project Number	
P.O. #	
Analytical Protocol	NYS ASP-SW-846 Deliverables CAT. B
Sampled By	Geo. Tyers / Zebra

Lab ID (Lab Use Only)	Sample ID (Maximum of 6 Characters)	Date Sampled	Time Sampled	Sample Location	No. of Containers	VOC 8010	Pesticides 8080	Comments
1	MUN-1	7/1/96		GW-East Side	3	✓	✓	½ liter only for pest.
2,3,4	MUN-3		1700	GW-West Side	7	✓	✓	W/Extra for MS/MSD
5	MUN-3D		1715	GW-West Side	2	✓		
6	TRIP			Trip Blank	2	✓		
7	Field			FIELD Blank	2	✓		
8,9,10	SD-2	✓	1400	STORM DRAIN #2	1	✓		soil

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

Analysis Requested

Login #: 28235

Ship to:
Nytest Environmental Inc.
60 Seaview Blvd
Port Washington N.Y. 11050
Attn.: Sample Control

Date Shipped: _____
Carrier: _____
Air Bill #: _____
Cooler #: _____
C of C #: _____
SDG #: MUN2
NEI QT #: _____

Relinquished by	Print Name	Date / Time	Received by	Print Name	Date / Time
George Tyers (CA RICH)	GEORGE TYERS	7/1/96 1630	C Voss	C Voss	7/1/96 18:50
C Voss	C Voss	7/1/96 19:55			

Received by Laboratory: _____ Date / Time: 7/1/96 1950

Lab Use Only

Custody Seals: Intact Broken Absent
Sample Rec'd in Good Condition? : Y N
Sample Temperature: 5 Degrees Celcius
INSPECTED BY: _____
COMMENTS: _____

Special Instructions : Quote 8947

CLIENT RETAINS YELLOW COPY ONLY

nytest environmental.
(516) 625-5500 FAX: (516) 625-1274

Chain of Custody Record

page # : 1 of 1

Client Name: CARich Consultants, Inc.
Address: 404 Glen Cove Ave
Sea Cliff, NY 11579
Project Manager: George Tyers
Phone: 674-3889 FAX: 674-3901
Project Name: Munsey Cleaners
Project Number:
P.O. #:
Analytical Protocol: NYS ASP SW-846 Deliverables: CAT. B
Sampled By: Nancy Goddard / Zebra

Login #: 28254
Ship to:
Nytest Environmental Inc.
60 Seaview Blvd
Port Washington N.Y. 11050
Attn.: Sample Control
Date Shipped:
Carrier:
Air Bill #:
Cooler #:
C of C #:
SDG #: MUN1
NEI QT #:

Analysis Requested

Lab ID (Lab Use Only)	Sample ID (Maximum of 6 Characters)	Date Sampled	Time Sampled	Sample Location	No. of Containers	VOC 8010	Pesticides 8080	Bin #'s In / Out (For Lab Use Only)	Comments
01	MUN-4	7/3/96	1030	GW - Northside	4	2	2		
02	MUN-2	7/3/96	12:30	GW - Southside	4	2	2		
03	TB-7/3	7/3/96			2	2			

Relinquished by	Date / Time	Received by	Date / Time
Print Name: Nancy B. Goddard	7/3/96 1:00pm	Print Name:	
Relinquished by:	Date / Time	Received by:	Date / Time
Print Name:		Print Name:	
Relinquished by:	Date / Time	Received by Laboratory:	Date / Time
Print Name:		Print Name: Michael Lai	7/3/96 1300

Special Instructions: Quote 8947

CLIENT RETAINS YELLOW COPY ONLY

Lab Use Only

Custody Seals: (Intact) Broken Absent
Sample Rec'd in Good Condition? : (Y) N
Sample Temperature: 4 Degrees Celcius
INSPECTED BY: mc
COMMENTS:

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

July 31, 1996

C.A. Rich Consultants
404 Glen Cove Avenue
Sea Cliff, NY 11579

Attn : George Tyers
Ref : Munsey Cleaners
P.O. #: Pending

Nytest Environmental, Inc., is pleased to submit our Project Number 9622574 for Login Numbers 27837, 27847, SDG Number MUN1, on your samples received 06/03/96, 06/04/96.

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

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

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

Respectfully submitted,

Michael Shmookler, Ph.D.,
Laboratory Operations Manager
Nytest Environmental, Inc.

Encl: Summary Data Package
Shipped Via: 1 bound 1 unbound Driver

NYS Lab ID#10195
NJ Cert.#73469

Table of Contents

NYTEST ENVIRONMENTAL Inc.

SDG: MUN1

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
2783701	1B5	Soil
2783702	1B5MS	Soil
2783703	1B5MSD	Soil
2783704	1E5	Soil
2783705	3A4	Soil
2783706	3C1	Soil
2783707	1D1	Soil
2783708	3D1	Soil
2783709	2F1	Soil
2783710	2A1	Soil
2783711	FIELDB	Water
2783712	TRIPBL	Water

NYTEST ENVIRONMENTAL Inc.

SDG: MUN1

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
2784701	FD2	Soil
2784702	CF5	Soil
2784703	WF2	Soil
2784704	WF2DUP	Soil
2784705	TB604	Water
2784706	FB604	Water

ASP Forms

nytest environmental inc

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND
ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical requirements					
		VOA GC/MS Method	BNA GC/MS Method	VOA GC Method	PEST PCB Method	METALS	OTHER
1B5	2783701			✓	✓		
1B5MS	02			✓	✓		
1B5MSD	03			✓	✓		
1E5	04			✓	✓		
3A4	05			✓	✓		
3C1	06			✓	✓		
1D1	07			✓	✓		
3D1	08			✓	✓		
2F1	09			✓	✓		
2A1	10			✓	✓		
FIELDB	11			✓			
TRIPBL	12			✓			
FD2	2784701		✓	✓	✓		
CF5	02		✓	✓	✓		
WF2	03		✓	✓	✓		
WF2DUP	04		✓				
TB604	05		✓				
FB604	06		✓				

nytest environmental inc

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY

GC ~~PESTICIDE / PCB~~ Volatiles

ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
2783701	SOIL	06/03/96	06/03/96	NA	06/11/96, 06/12/96
02					06/11/96
03					06/12/96
04					6/10/96
05					↓
06					6/10/96, 6/12/96
07					6/10/96
08					↓
09					6/11/96
10	↓				6/12/96, 6/13/96
11	WATER				6/5/96
12	↓	↓	↓		↓
2784701	SOIL	06/04/96	06/04/96		6/12/96, 6/13/96
02					6/11/96, 6/12/96
03					6/11/96
04	↓				↓
05	WATER				6/08/96
06	↓	↓	↓	↓	6/13/96

000005

NYTEST ENVIRONMENTAL, inc

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date ~~Analysed~~ Analyzed.
2784701	SOIL	06/04/96	06/04/96	06/08/96	06/17/96 06/18/96
2784702		↓	↓	↓	
2784703		↓	↓	↓	

SBamon
07-31-96

NYTEST ENVIRONMENTAL, inc

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SEMIVOLATILE (BNA) ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxillary Cleanup	Dil / Conc. Factor
2784701	SOIL	NYSASP '91	SONC	AS REQUIRED	AS REQUIRED
2784702	↓	↓	↓	↓	↓
2784703	↓	↓	↓	↓	↓

NYTEST SAMPLE SUMMARY FORM

RUN

SAMPLE ID	SAMPLED DATE	DATE RECIEVED	DATE EXTRACTED	DATE ANALYZED	DILUTION FACTOR
2783701	6/3/96	6/3/96	6/7/96	7/13/96	500
2783701DL	6/3/96	6/3/96	6/7/96	7/31/96	5000
2783704	6/3/96	6/3/96	6/7/96	7/13/96	1
2783704DL	6/3/96	6/3/96	6/7/96	7/13/96	10
2783705	6/3/96	6/3/96	6/7/96	7/13/96	1
2783705DL	6/3/96	6/3/96	6/7/96	7/30/96	100
2783706	6/3/96	6/3/96	6/7/96	7/13/96	1
2783706DL	6/3/96	6/3/96	6/7/96	7/16/96	10
2783707	6/3/96	6/3/96	6/7/96	7/16/96	10
2783707DL	6/3/96	6/3/96	6/7/96	7/30/96	1000
2783708	6/3/96	6/3/96	6/7/96	7/13/96	1
2783708DL	6/3/96	6/3/96	6/7/96	7/30/96	30
2783709	6/3/96	6/3/96	6/7/96	7/13/96	1
2783710	6/3/96	6/3/96	6/7/96	7/30/96	500
2783710DL	6/3/96	6/3/96	6/7/96	7/30/96	5000
2784701	6/3/96	6/3/96	6/7/96	7/13/96	1
2784701DL	6/4/96	6/4/96	6/7/96	7/30/96	500
2784702	6/4/96	6/4/96	6/7/96	7/13/96	1
2784703	6/4/96	6/4/96	6/7/96	7/13/96	1

SDG Narrative

NARRATIVE DISCUSSION
GC VOLATILE DATA - 27837, 27847

Surrogates

All recoveries met QC criteria.

Matrix Spike/Matrix Spike Duplicate/Matrix Spike Blank (MS/MSD/MSB)

Sample 1B5 was utilized for the medium level soil MS/MSD. All spike recoveries and RPD values were within QC limits for the MS, MSD and MSB. Batched QC is being supplied for the low level soils. Note that non site specific QC may demonstrate differing matrix affects than samples contained in this login. The applicable Form IIIs are, therefore, being supplied.

Method Blanks

No target compounds were detected in VBLK12. Methylene Chloride was detected in all other method blanks at concentrations within QC limits.

Calibrations

The continuing calibration (CCV) analyzed on instrument HP5 on 06/07/96 at 11:57 did not meet QC criteria for Chloromethane and Dichlorodifluoromethane. No further action was taken since these compounds were not detected in any applicable samples as per SW-846 method 8000A section 7.6.8. All other calibration QC criteria were met.

Samples

All samples were analyzed as per SW-846 Method 8010. Due to the sample matrix and screening data, samples 1B5, 1B5MS, 1B5MSD, 2A1 and FD2 were analyzed at as medium level soils at a 1:10 dilution. Due to target compound concentrations exceeding the highest calibration standard, samples 3C1 and CF5 were reanalyzed as medium level soils while 1B5, 2A1 and FD2 were reanalyzed as medium level soils at a 1:1000 dilution. GC/MS confirmation was performed on samples 1E5, 3A4, 1D1, 3D1, 2F1, WF2 and WF2DUP. Confirmation analysis for samples 3C1 and CF5 was performed at a medium level. No further analytical problems were encountered.

c:\wp51\cns\ac

NARRATIVE DISCUSSION
SEMIVOLATILES - 27847
SDG NUMBER - MUN1

INTRODUCTION

This narrative covers the analysis of three (3) soil samples in accordance with protocols based on NYSDEC ASP (12/91).

HOLDING TIMES

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

CALIBRATIONS

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

METHOD BLANKS

The method blank associated with these samples met all method requirements.

SURROGATES

All samples met surrogate QC criteria.

MATRIX SPIKES

Matrix spikes were not designated to be performed on any of the samples covered by this report. Batched QC is being supplied. Note that non site specific QC may demonstrate differing matrix affects than samples contained in this SDG. The applicable Form 3 is, therefore, being supplied. Applicable raw data is available upon request.

INTERNAL STANDARDS

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

SAMPLE COMMENTS

Analysis of sample FD2 yielded target analyte concentrations above the highest calibration standard. These compounds have been qualified "E". Reanalysis was performed at a dilutions. Both sets of data have been included. The concentrations of these compounds should be taken from the more dilute analysis. No other analytical problems were encountered.

NARRATIVE DISCUSSION
PESTICIDES 8080 - 27837 27847
SDG: MUN 1

INTRODUCTION

This narrative covers the analysis of eleven (11) samples in accordance with protocols based on the NYS DEC 8080 method for Pesticides.

HOLDING TIMES

All samples were extracted within holding times. The following extracts were analyzed outside of holding time: 1B5, 1B5DL, 3A4DL, 1D1DL, 3D1DL, 2A1, 2A1DL AND FD2DL. All of these samples are high dilutions of the original extracts, which were run within holding time.All other samples were analyzed within holding times.

CALIBRATIONS

The ending CCV 228B049 and 228B050 exceeded calibration criteria. No further action is required since a new ICAL was run before the analysis of more samples. All other initial and continuing calibrations associated with these sample analyses met all QC criteria.

METHOD BLANKS

All QC requirements were met.

SURROGATES

Because of the high dilutions needed many samples could not be evaluated for recovery. The following samples had surrogate recovery outside of advisory QC limits: 1B5MS, 1B5MSD, FD2. All other recoveries were within acceptable QC limits.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE (MS/MSD)

An MS/MSD was performed on 1B5. An MSB is also submitted. Due to the high levels of matrix interference present determination of recovery of late eluting pesticides is not possible, therefore recvoery and RPD data for Dieldrin, Endrin and DDT are not submitted. Recovery for gamma-BHC in the MSD was outside QC limits. The RPD values for gamma-BHC and Heptachlor are outside QC limits. All recovery values for the MSB were within QC limits.

SAMPLES COMMENTS

Samples required high dilutions due the presence of pesticides and matrix effects. The highest dilution neccessary and a dilution at least ten times less are submitted. No other analytical difficulties were encountered.

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

Michael Shmookler, Ph.D.
Laboratory Operations Manager

Form I

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	1B5
CONC. LEVEL:	MED	LAB ID:	2783701
DATE RECEIVED:	06/03/96	DIL FACTOR:	10.00
DATE ANALYZED:	06/11/96	% MOISTURE:	5

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG (DRY BASIS)
1	74-87-3	Chloromethane	1300.0 U
2	74-83-9	Bromomethane	1300.0 U
3	75-01-4	Vinyl Chloride	1300.0 U
4	75-00-3	Chloroethane	1300.0 U
5	75-09-2	Methylene Chloride	3400.0 B
6	75-35-4	1,1-Dichloroethene	1300.0 U
7	75-34-3	1,1-Dichloroethane	1300.0 U
8	156-60-5	trans-1,2-Dichloroethene	1300.0 U
9	67-66-3	Chloroform	1300.0 U
10	107-06-2	1,2-Dichloroethane	1300.0 U
11	71-55-6	1,1,1-Trichloroethane	1300.0 U
12	56-23-5	Carbon Tetrachloride	1300.0 U
13	75-27-4	Bromodichloromethane	1300.0 U
14	78-87-5	1,2-Dichloropropane	1300.0 U
15	10061-01-5	cis-1,3-Dichloropropene	1300.0 U
16	79-01-6	Trichloroethene	25000.0
17	124-48-1	Dibromochloromethane	1300.0 U
18	79-00-5	1,1,2-Trichloroethane	1300.0 U
19	10061-02-6	trans-1,3-Dichloropropene	1300.0 U
20	127-18-4	Tetrachloroethene	E
21	79-34-5	1,1,2,2-Tetrachloroethane	1300.0 U
22	108-90-7	Chlorobenzene	1300.0 U
23	75-71-8	Dichlorodifluoromethane	1300.0 U
24	75-69-4	Trichlorofluoromethane	1300.0 U
25	95-50-1	1,2-Dichlorobenzene	1300.0 U
26	541-73-1	1,3-Dichlorobenzene	1300.0 U
27	106-46-7	1,4-Dichlorobenzene	1300.0 U
28	75-25-2	Bromoform	1300.0 U

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	1B5DL
CONC. LEVEL:	MED	LAB ID:	2783701
DATE RECEIVED:	06/03/96	DIL FACTOR:	1000.00
DATE ANALYZED:	06/12/96	% MOISTURE:	5

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG (DRY BASIS)
1	74-87-3	Chloromethane	NA
2	74-83-9	Bromomethane	NA
3	75-01-4	Vinyl Chloride	NA
4	75-00-3	Chloroethane	NA
5	75-09-2	Methylene Chloride	NA
6	75-35-4	1,1-Dichloroethene	NA
7	75-34-3	1,1-Dichloroethane	NA
8	156-60-5	trans-1,2-Dichloroethene	NA
9	67-66-3	Chloroform	NA
10	107-06-2	1,2-Dichloroethane	NA
11	71-55-6	1,1,1-Trichloroethane	NA
12	56-23-5	Carbon Tetrachloride	NA
13	75-27-4	Bromodichloromethane	NA
14	78-87-5	1,2-Dichloropropane	NA
15	10061-01-5	cis-1,3-Dichloropropene	NA
16	79-01-6	Trichloroethene	NA
17	124-48-1	Dibromochloromethane	NA
18	79-00-5	1,1,2-Trichloroethane	NA
19	10061-02-6	trans-1,3-Dichloropropene	NA
20	127-18-4	Tetrachloroethene	4200000.0
21	79-34-5	1,1,2,2-Tetrachloroethane	NA
22	108-90-7	Chlorobenzene	NA
23	75-71-8	Dichlorodifluoromethane	NA
24	75-69-4	Trichlorofluoromethane	NA
25	95-50-1	1,2-Dichlorobenzene	NA
26	541-73-1	1,3-Dichlorobenzene	NA
27	106-46-7	1,4-Dichlorobenzene	NA
28	75-25-2	Bromoform	NA

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	1E5
CONC. LEVEL:	LOW	LAB ID:	2783704
DATE RECEIVED:	06/03/96	DIL FACTOR:	1.00
DATE ANALYZED:	06/10/96	% MOISTURE:	5

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG (DRY BASIS)
1	74-87-3	Chloromethane	1.1 U
2	74-83-9	Bromomethane	1.1 U
3	75-01-4	Vinyl Chloride	1.1 U
4	75-00-3	Chloroethane	1.1 U
5	75-09-2	Methylene Chloride	2.6 B
6	75-35-4	1,1-Dichloroethene	1.1 U
7	75-34-3	1,1-Dichloroethane	1.1 U
8	156-60-5	trans-1,2-Dichloroethene	1.1 U
9	67-66-3	Chloroform	1.1 U
10	107-06-2	1,2-Dichloroethane	1.1 U
11	71-55-6	1,1,1-Trichloroethane	1.1 U
12	56-23-5	Carbon Tetrachloride	1.1 U
13	75-27-4	Bromodichloromethane	1.1 U
14	78-87-5	1,2-Dichloropropane	1.1 U
15	10061-01-5	cis-1,3-Dichloropropene	1.1 U
16	79-01-6	Trichloroethene	1.1 U
17	124-48-1	Dibromochloromethane	1.1 U
18	79-00-5	1,1,2-Trichloroethane	1.1 U
19	10061-02-6	trans-1,3-Dichloropropene	1.1 U
20	127-18-4	Tetrachloroethene	68.0
21	79-34-5	1,1,2,2-Tetrachloroethane	1.1 U
22	108-90-7	Chlorobenzene	1.1 U
23	75-71-8	Dichlorodifluoromethane	1.1 U
24	75-69-4	Trichlorofluoromethane	1.1 U
25	95-50-1	1,2-Dichlorobenzene	1.1 U
26	541-73-1	1,3-Dichlorobenzene	1.1 U
27	106-46-7	1,4-Dichlorobenzene	1.1 U
28	75-25-2	Bromoform	1.1 U

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	3A4
CONC. LEVEL:	LOW	LAB ID:	2783705
DATE RECEIVED:	06/03/96	DIL FACTOR:	1.00
DATE ANALYZED:	06/10/96	% MOISTURE:	6

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG (DRY BASIS)
1	74-87-3	Chloromethane	1.1 U
2	74-83-9	Bromomethane	1.1 U
3	75-01-4	Vinyl Chloride	1.1 U
4	75-00-3	Chloroethane	1.1 U
5	75-09-2	Methylene Chloride	4.5 B
6	75-35-4	1,1-Dichloroethene	1.1 U
7	75-34-3	1,1-Dichloroethane	1.1 U
8	156-60-5	trans-1,2-Dichloroethene	1.1 U
9	67-66-3	Chloroform	1.1 U
10	107-06-2	1,2-Dichloroethane	1.1 U
11	71-55-6	1,1,1-Trichloroethane	1.1 U
12	56-23-5	Carbon Tetrachloride	1.1 U
13	75-27-4	Bromodichloromethane	1.1 U
14	78-87-5	1,2-Dichloropropane	1.1 U
15	10061-01-5	cis-1,3-Dichloropropene	1.1 U
16	79-01-6	Trichloroethene	1.1 U
17	124-48-1	Dibromochloromethane	1.1 U
18	79-00-5	1,1,2-Trichloroethane	1.1 U
19	10061-02-6	trans-1,3-Dichloropropene	1.1 U
20	127-18-4	Tetrachloroethene	9.2
21	79-34-5	1,1,2,2-Tetrachloroethane	1.1 U
22	108-90-7	Chlorobenzene	1.1 U
23	75-71-8	Dichlorodifluoromethane	1.1 U
24	75-69-4	Trichlorofluoromethane	1.1 U
25	95-50-1	1,2-Dichlorobenzene	1.1 U
26	541-73-1	1,3-Dichlorobenzene	1.1 U
27	106-46-7	1,4-Dichlorobenzene	1.1 U
28	75-25-2	Bromoform	1.1 U

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	3C1
CONC. LEVEL:	LOW	LAB ID:	2783706
DATE RECEIVED:	06/03/96	DIL FACTOR:	1.00
DATE ANALYZED:	06/10/96	% MOISTURE:	6

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG (DRY BASIS)
1	74-87-3	Chloromethane	1.1 U
2	74-83-9	Bromomethane	1.1 U
3	75-01-4	Vinyl Chloride	1.1 U
4	75-00-3	Chloroethane	1.1 U
5	75-09-2	Methylene Chloride	19.0 B
6	75-35-4	1,1-Dichloroethene	1.1 U
7	75-34-3	1,1-Dichloroethane	1.1 U
8	156-60-5	trans-1,2-Dichloroethene	1.1 U
9	67-66-3	Chloroform	1.1 U
10	107-06-2	1,2-Dichloroethane	1.1 U
11	71-55-6	1,1,1-Trichloroethane	1.1 U
12	56-23-5	Carbon Tetrachloride	1.1 U
13	75-27-4	Bromodichloromethane	1.1 U
14	78-87-5	1,2-Dichloropropane	1.1 U
15	10061-01-5	cis-1,3-Dichloropropene	1.1 U
16	79-01-6	Trichloroethene	1.1 U
17	124-48-1	Dibromochloromethane	1.1 U
18	79-00-5	1,1,2-Trichloroethane	1.1 U
19	10061-02-6	trans-1,3-Dichloropropene	1.1 U
20	127-18-4	Tetrachloroethene	E
21	79-34-5	1,1,2,2-Tetrachloroethane	1.1 U
22	108-90-7	Chlorobenzene	1.1 U
23	75-71-8	Dichlorodifluoromethane	1.1 U
24	75-69-4	Trichlorofluoromethane	1.1 U
25	95-50-1	1,2-Dichlorobenzene	1.1 U
26	541-73-1	1,3-Dichlorobenzene	1.1 U
27	106-46-7	1,4-Dichlorobenzene	1.1 U
28	75-25-2	Bromoform	1.1 U

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	3C1DL
CONC. LEVEL:	MED	LAB ID:	2783706
DATE RECEIVED:	06/03/96	DIL FACTOR:	1.00
DATE ANALYZED:	06/12/96	% MOISTURE:	6

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG (DRY BASIS)
1	74-87-3	Chloromethane	NA
2	74-83-9	Bromomethane	NA
3	75-01-4	Vinyl Chloride	NA
4	75-00-3	Chloroethane	NA
5	75-09-2	Methylene Chloride	NA
6	75-35-4	1,1-Dichloroethene	NA
7	75-34-3	1,1-Dichloroethane	NA
8	156-60-5	trans-1,2-Dichloroethene	NA
9	67-66-3	Chloroform	NA
10	107-06-2	1,2-Dichloroethane	NA
11	71-55-6	1,1,1-Trichloroethane	NA
12	56-23-5	Carbon Tetrachloride	NA
13	75-27-4	Bromodichloromethane	NA
14	78-87-5	1,2-Dichloropropane	NA
15	10061-01-5	cis-1,3-Dichloropropene	NA
16	79-01-6	Trichloroethene	NA
17	124-48-1	Dibromochloromethane	NA
18	79-00-5	1,1,2-Trichloroethane	NA
19	10061-02-6	trans-1,3-Dichloropropene	NA
20	127-18-4	Tetrachloroethene	10000.0
21	79-34-5	1,1,2,2-Tetrachloroethane	NA
22	108-90-7	Chlorobenzene	NA
23	75-71-8	Dichlorodifluoromethane	NA
24	75-69-4	Trichlorofluoromethane	NA
25	95-50-1	1,2-Dichlorobenzene	NA
26	541-73-1	1,3-Dichlorobenzene	NA
27	106-46-7	1,4-Dichlorobenzene	NA
28	75-25-2	Bromoform	NA

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	1D1
CONC. LEVEL:	LOW	LAB ID:	2783707
DATE RECEIVED:	06/03/96	DIL FACTOR:	1.00
DATE ANALYZED:	06/10/96	% MOISTURE:	8

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG (DRY BASIS)
1	74-87-3	Chloromethane	1.1 U
2	74-83-9	Bromomethane	1.1 U
3	75-01-4	Vinyl Chloride	1.1 U
4	75-00-3	Chloroethane	1.1 U
5	75-09-2	Methylene Chloride	26.0 B
6	75-35-4	1,1-Dichloroethene	1.1 U
7	75-34-3	1,1-Dichloroethane	1.1 U
8	156-60-5	trans-1,2-Dichloroethene	1.1 U
9	67-66-3	Chloroform	1.1 U
10	107-06-2	1,2-Dichloroethane	1.1 U
11	71-55-6	1,1,1-Trichloroethane	1.1 U
12	56-23-5	Carbon Tetrachloride	1.1 U
13	75-27-4	Bromodichloromethane	1.1 U
14	78-87-5	1,2-Dichloropropane	1.1 U
15	10061-01-5	cis-1,3-Dichloropropene	1.1 U
16	79-01-6	Trichloroethene	1.1 U
17	124-48-1	Dibromochloromethane	1.1 U
18	79-00-5	1,1,2-Trichloroethane	1.1 U
19	10061-02-6	trans-1,3-Dichloropropene	1.1 U
20	127-18-4	Tetrachloroethene	150.0
21	79-34-5	1,1,2,2-Tetrachloroethane	1.1 U
22	108-90-7	Chlorobenzene	1.1 U
23	75-71-8	Dichlorodifluoromethane	1.1 U
24	75-69-4	Trichlorofluoromethane	1.1 U
25	95-50-1	1,2-Dichlorobenzene	1.1 U
26	541-73-1	1,3-Dichlorobenzene	1.1 U
27	106-46-7	1,4-Dichlorobenzene	1.1 U
28	75-25-2	Bromoform	1.1 U

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	3D1
CONC. LEVEL:	LOW	LAB ID:	2783708
DATE RECEIVED:	06/03/96	DIL FACTOR:	1.00
DATE ANALYZED:	06/10/96	% MOISTURE:	8

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG (DRY BASIS)
1	74-87-3	Chloromethane	1.1 U
2	74-83-9	Bromomethane	1.1 U
3	75-01-4	Vinyl Chloride	1.1 U
4	75-00-3	Chloroethane	1.1 U
5	75-09-2	Methylene Chloride	24.0 B
6	75-35-4	1,1-Dichloroethene	1.1 U
7	75-34-3	1,1-Dichloroethane	1.1 U
8	156-60-5	trans-1,2-Dichloroethene	1.1 U
9	67-66-3	Chloroform	1.1 U
10	107-06-2	1,2-Dichloroethane	1.1 U
11	71-55-6	1,1,1-Trichloroethane	1.1 U
12	56-23-5	Carbon Tetrachloride	1.1 U
13	75-27-4	Bromodichloromethane	1.1 U
14	78-87-5	1,2-Dichloropropane	1.1 U
15	10061-01-5	cis-1,3-Dichloropropene	1.1 U
16	79-01-6	Trichloroethene	1.1 U
17	124-48-1	Dibromochloromethane	1.1 U
18	79-00-5	1,1,2-Trichloroethane	1.1 U
19	10061-02-6	trans-1,3-Dichloropropene	1.1 U
20	127-18-4	Tetrachloroethene	46.0
21	79-34-5	1,1,2,2-Tetrachloroethane	1.1 U
22	108-90-7	Chlorobenzene	1.1 U
23	75-71-8	Dichlorodifluoromethane	1.1 U
24	75-69-4	Trichlorofluoromethane	1.1 U
25	95-50-1	1,2-Dichlorobenzene	1.1 U
26	541-73-1	1,3-Dichlorobenzene	1.1 U
27	106-46-7	1,4-Dichlorobenzene	1.1 U
28	75-25-2	Bromoform	1.1 U

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	2F1
CONC. LEVEL:	LOW	LAB ID:	2783709
DATE RECEIVED:	06/03/96	DIL FACTOR:	1.00
DATE ANALYZED:	06/11/96	% MOISTURE:	9

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG (DRY BASIS)
1	74-87-3	Chloromethane	1.1 U
2	74-83-9	Bromomethane	1.1 U
3	75-01-4	Vinyl Chloride	1.1 U
4	75-00-3	Chloroethane	1.1 U
5	75-09-2	Methylene Chloride	23.0 B
6	75-35-4	1,1-Dichloroethene	1.1 U
7	75-34-3	1,1-Dichloroethane	1.1 U
8	156-60-5	trans-1,2-Dichloroethene	1.1 U
9	67-66-3	Chloroform	1.1 U
10	107-06-2	1,2-Dichloroethane	1.1 U
11	71-55-6	1,1,1-Trichloroethane	1.1 U
12	56-23-5	Carbon Tetrachloride	1.1 U
13	75-27-4	Bromodichloromethane	1.1 U
14	78-87-5	1,2-Dichloropropane	1.1 U
15	10061-01-5	cis-1,3-Dichloropropene	1.1 U
16	79-01-6	Trichloroethene	0.6 J
17	124-48-1	Dibromochloromethane	1.1 U
18	79-00-5	1,1,2-Trichloroethane	1.1 U
19	10061-02-6	trans-1,3-Dichloropropene	1.1 U
20	127-18-4	Tetrachloroethene	140.0
21	79-34-5	1,1,2,2-Tetrachloroethane	1.1 U
22	108-90-7	Chlorobenzene	1.1 U
23	75-71-8	Dichlorodifluoromethane	1.1 U
24	75-69-4	Trichlorofluoromethane	1.1 U
25	95-50-1	1,2-Dichlorobenzene	1.1 U
26	541-73-1	1,3-Dichlorobenzene	1.1 U
27	106-46-7	1,4-Dichlorobenzene	1.1 U
28	75-25-2	Bromoform	1.1 U

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	2A1
CONC. LEVEL:	MED	LAB ID:	2783710
DATE RECEIVED:	06/03/96	DIL FACTOR:	10.00
DATE ANALYZED:	06/12/96	% MOISTURE:	6

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG (DRY BASIS)
1	74-87-3	Chloromethane	1300.0 U
2	74-83-9	Bromomethane	1300.0 U
3	75-01-4	Vinyl Chloride	1300.0 U
4	75-00-3	Chloroethane	1300.0 U
5	75-09-2	Methylene Chloride	3400.0 B
6	75-35-4	1,1-Dichloroethene	1300.0 U
7	75-34-3	1,1-Dichloroethane	1300.0 U
8	156-60-5	trans-1,2-Dichloroethene	1300.0 U
9	67-66-3	Chloroform	1300.0 U
10	107-06-2	1,2-Dichloroethane	1300.0 U
11	71-55-6	1,1,1-Trichloroethane	1300.0 U
12	56-23-5	Carbon Tetrachloride	1300.0 U
13	75-27-4	Bromodichloromethane	1300.0 U
14	78-87-5	1,2-Dichloropropane	1300.0 U
15	10061-01-5	cis-1,3-Dichloropropene	1300.0 U
16	79-01-6	Trichloroethene	8800.0
17	124-48-1	Dibromochloromethane	1300.0 U
18	79-00-5	1,1,2-Trichloroethane	1300.0 U
19	10061-02-6	trans-1,3-Dichloropropene	1300.0 U
20	127-18-4	Tetrachloroethene	E
21	79-34-5	1,1,2,2-Tetrachloroethane	1300.0 U
22	108-90-7	Chlorobenzene	1300.0 U
23	75-71-8	Dichlorodifluoromethane	1300.0 U
24	75-69-4	Trichlorofluoromethane	1300.0 U
25	95-50-1	1,2-Dichlorobenzene	1300.0 U
26	541-73-1	1,3-Dichlorobenzene	1300.0 U
27	106-46-7	1,4-Dichlorobenzene	1300.0 U
28	75-25-2	Bromoform	1300.0 U

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	2A1DL
CONC. LEVEL:	MED	LAB ID:	2783710
DATE RECEIVED:	06/03/96	DIL FACTOR:	1000.00
DATE ANALYZED:	06/13/96	% MOISTURE:	6

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG (DRY BASIS)
1	74-87-3	Chloromethane	NA
2	74-83-9	Bromomethane	NA
3	75-01-4	Vinyl Chloride	NA
4	75-00-3	Chloroethane	NA
5	75-09-2	Methylene Chloride	NA
6	75-35-4	1,1-Dichloroethene	NA
7	75-34-3	1,1-Dichloroethane	NA
8	156-60-5	trans-1,2-Dichloroethene	NA
9	67-66-3	Chloroform	NA
10	107-06-2	1,2-Dichloroethane	NA
11	71-55-6	1,1,1-Trichloroethane	NA
12	56-23-5	Carbon Tetrachloride	NA
13	75-27-4	Bromodichloromethane	NA
14	78-87-5	1,2-Dichloropropane	NA
15	10061-01-5	cis-1,3-Dichloropropene	NA
16	79-01-6	Trichloroethene	NA
17	124-48-1	Dibromochloromethane	NA
18	79-00-5	1,1,2-Trichloroethane	NA
19	10061-02-6	trans-1,3-Dichloropropene	NA
20	127-18-4	Tetrachloroethene	2600000.0
21	79-34-5	1,1,2,2-Tetrachloroethane	NA
22	108-90-7	Chlorobenzene	NA
23	75-71-8	Dichlorodifluoromethane	NA
24	75-69-4	Trichlorofluoromethane	NA
25	95-50-1	1,2-Dichlorobenzene	NA
26	541-73-1	1,3-Dichlorobenzene	NA
27	106-46-7	1,4-Dichlorobenzene	NA
28	75-25-2	Bromoform	NA

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER | SAMPLE ID: FIELDB

CONC. LEVEL: LOW | LAB ID: 2783711

DATE RECEIVED: 06/03/96 | DIL FACTOR: 1.00

DATE ANALYZED: 06/05/96 | % MOISTURE: NA

UG/L

CMPD #	CAS Number	VOLATILE COMPOUNDS	
1	74-87-3	Chloromethane	1.0 U
2	74-83-9	Bromomethane	1.0 U
3	75-01-4	Vinyl Chloride	1.0 U
4	75-00-3	Chloroethane	1.0 U
5	75-09-2	Methylene Chloride	6.9 B
6	75-35-4	1,1-Dichloroethene	1.0 U
7	75-34-3	1,1-Dichloroethane	1.0 U
8	156-60-5	trans-1,2-Dichloroethene	1.0 U
9	67-66-3	Chloroform	1.0 U
10	107-06-2	1,2-Dichloroethane	1.0 U
11	71-55-6	1,1,1-Trichloroethane	1.0 U
12	56-23-5	Carbon Tetrachloride	1.0 U
13	75-27-4	Bromodichloromethane	1.0 U
14	78-87-5	1,2-Dichloropropane	1.0 U
15	10061-01-5	cis-1,3-Dichloropropene	1.0 U
16	79-01-6	Trichloroethene	1.0 U
17	124-48-1	Dibromochloromethane	1.0 U
18	79-00-5	1,1,2-Trichloroethane	1.0 U
19	10061-02-6	trans-1,3-Dichloropropene	1.0 U
20	127-18-4	Tetrachloroethene	1.0 U
21	79-34-5	1,1,2,2-Tetrachloroethane	1.0 U
22	108-90-7	Chlorobenzene	1.0 U
23	75-71-8	Dichlorodifluoromethane	1.0 U
24	75-69-4	Trichlorofluoromethane	1.0 U
25	95-50-1	1,2-Dichlorobenzene	1.0 U
26	541-73-1	1,3-Dichlorobenzene	1.0 U
27	106-46-7	1,4-Dichlorobenzene	1.0 U
28	75-25-2	Bromoform	1.0 U

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER | SAMPLE ID: TRIPBL

CONC. LEVEL: LOW | LAB ID: 2783712

DATE RECEIVED: 06/03/96 | DIL FACTOR: 1.00

DATE ANALYZED: 06/05/96 | % MOISTURE: NA

UG/L

CMPD #	CAS Number	VOLATILE COMPOUNDS	
1	74-87-3	Chloromethane	1.0 U
2	74-83-9	Bromomethane	1.0 U
3	75-01-4	Vinyl Chloride	1.0 U
4	75-00-3	Chloroethane	1.0 U
5	75-09-2	Methylene Chloride	2.2 B
6	75-35-4	1,1-Dichloroethene	1.0 U
7	75-34-3	1,1-Dichloroethane	1.0 U
8	156-60-5	trans-1,2-Dichloroethene	1.0 U
9	67-66-3	Chloroform	1.0 U
10	107-06-2	1,2-Dichloroethane	1.0 U
11	71-55-6	1,1,1-Trichloroethane	1.0 U
12	56-23-5	Carbon Tetrachloride	1.0 U
13	75-27-4	Bromodichloromethane	1.0 U
14	78-87-5	1,2-Dichloropropane	1.0 U
15	10061-01-5	cis-1,3-Dichloropropene	1.0 U
16	79-01-6	Trichloroethene	1.0 U
17	124-48-1	Dibromochloromethane	1.0 U
18	79-00-5	1,1,2-Trichloroethane	1.0 U
19	10061-02-6	trans-1,3-Dichloropropene	1.0 U
20	127-18-4	Tetrachloroethene	1.0 U
21	79-34-5	1,1,2,2-Tetrachloroethane	1.0 U
22	108-90-7	Chlorobenzene	1.0 U
23	75-71-8	Dichlorodifluoromethane	1.0 U
24	75-69-4	Trichlorofluoromethane	1.0 U
25	95-50-1	1,2-Dichlorobenzene	1.0 U
26	541-73-1	1,3-Dichlorobenzene	1.0 U
27	106-46-7	1,4-Dichlorobenzene	1.0 U
28	75-25-2	Bromoform	1.0 U

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	FD2
CONC. LEVEL:	MED	LAB ID:	2784701
DATE RECEIVED:	06/04/96	DIL FACTOR:	10.00
DATE ANALYZED:	06/12/96	% MOISTURE:	7

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG (DRY BASIS)
1	74-87-3	Chloromethane	1300.0 U
2	74-83-9	Bromomethane	1300.0 U
3	75-01-4	Vinyl Chloride	1300.0 U
4	75-00-3	Chloroethane	1300.0 U
5	75-09-2	Methylene Chloride	3000.0 B
6	75-35-4	1,1-Dichloroethene	1300.0 U
7	75-34-3	1,1-Dichloroethane	1300.0 U
8	156-60-5	trans-1,2-Dichloroethene	1300.0 U
9	67-66-3	Chloroform	1300.0 U
10	107-06-2	1,2-Dichloroethane	1300.0 U
11	71-55-6	1,1,1-Trichloroethane	1300.0 U
12	56-23-5	Carbon Tetrachloride	1300.0 U
13	75-27-4	Bromodichloromethane	1300.0 U
14	78-87-5	1,2-Dichloropropane	1300.0 U
15	10061-01-5	cis-1,3-Dichloropropene	1300.0 U
16	79-01-6	Trichloroethene	3700.0
17	124-48-1	Dibromochloromethane	1300.0 U
18	79-00-5	1,1,2-Trichloroethane	1300.0 U
19	10061-02-6	trans-1,3-Dichloropropene	1300.0 U
20	127-18-4	Tetrachloroethene	E
21	79-34-5	1,1,2,2-Tetrachloroethane	1300.0 U
22	108-90-7	Chlorobenzene	1300.0 U
23	75-71-8	Dichlorodifluoromethane	1300.0 U
24	75-69-4	Trichlorofluoromethane	1300.0 U
25	95-50-1	1,2-Dichlorobenzene	1300.0 U
26	541-73-1	1,3-Dichlorobenzene	1300.0 U
27	106-46-7	1,4-Dichlorobenzene	1300.0 U
28	75-25-2	Bromoform	1300.0 U

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	FD2DL
CONC. LEVEL:	MED	LAB ID:	2784701
DATE RECEIVED:	06/04/96	DIL FACTOR:	1000.00
DATE ANALYZED:	06/13/96	% MOISTURE:	7

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG (DRY BASIS)
1	74-87-3	Chloromethane	NA
2	74-83-9	Bromomethane	NA
3	75-01-4	Vinyl Chloride	NA
4	75-00-3	Chloroethane	NA
5	75-09-2	Methylene Chloride	NA
6	75-35-4	1,1-Dichloroethene	NA
7	75-34-3	1,1-Dichloroethane	NA
8	156-60-5	trans-1,2-Dichloroethene	NA
9	67-66-3	Chloroform	NA
10	107-06-2	1,2-Dichloroethane	NA
11	71-55-6	1,1,1-Trichloroethane	NA
12	56-23-5	Carbon Tetrachloride	NA
13	75-27-4	Bromodichloromethane	NA
14	78-87-5	1,2-Dichloropropane	NA
15	10061-01-5	cis-1,3-Dichloropropene	NA
16	79-01-6	Trichloroethene	NA
17	124-48-1	Dibromochloromethane	NA
18	79-00-5	1,1,2-Trichloroethane	NA
19	10061-02-6	trans-1,3-Dichloropropene	NA
20	127-18-4	Tetrachloroethene	12000000.0
21	79-34-5	1,1,2,2-Tetrachloroethane	NA
22	108-90-7	Chlorobenzene	NA
23	75-71-8	Dichlorodifluoromethane	NA
24	75-69-4	Trichlorofluoromethane	NA
25	95-50-1	1,2-Dichlorobenzene	NA
26	541-73-1	1,3-Dichlorobenzene	NA
27	106-46-7	1,4-Dichlorobenzene	NA
28	75-25-2	Bromoform	NA

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	CF5
CONC. LEVEL:	LOW	LAB ID:	2784702
DATE RECEIVED:	06/04/96	DIL FACTOR:	1.00
DATE ANALYZED:	06/11/96	% MOISTURE:	6

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG (DRY BASIS)
1	74-87-3	Chloromethane	1.1 U
2	74-83-9	Bromomethane	1.1 U
3	75-01-4	Vinyl Chloride	1.1 U
4	75-00-3	Chloroethane	1.1 U
5	75-09-2	Methylene Chloride	17.0 B
6	75-35-4	1,1-Dichloroethene	1.1 U
7	75-34-3	1,1-Dichloroethane	1.1 U
8	156-60-5	trans-1,2-Dichloroethene	1.1 U
9	67-66-3	Chloroform	1.1 U
10	107-06-2	1,2-Dichloroethane	1.1 U
11	71-55-6	1,1,1-Trichloroethane	1.1 U
12	56-23-5	Carbon Tetrachloride	1.1 U
13	75-27-4	Bromodichloromethane	1.1 U
14	78-87-5	1,2-Dichloropropane	1.1 U
15	10061-01-5	cis-1,3-Dichloropropene	1.1 U
16	79-01-6	Trichloroethene	1.1 U
17	124-48-1	Dibromochloromethane	1.1 U
18	79-00-5	1,1,2-Trichloroethane	1.1 U
19	10061-02-6	trans-1,3-Dichloropropene	1.1 U
20	127-18-4	Tetrachloroethene	E
21	79-34-5	1,1,2,2-Tetrachloroethane	1.1 U
22	108-90-7	Chlorobenzene	1.1 U
23	75-71-8	Dichlorodifluoromethane	1.1 U
24	75-69-4	Trichlorofluoromethane	1.1 U
25	95-50-1	1,2-Dichlorobenzene	1.1 U
26	541-73-1	1,3-Dichlorobenzene	1.1 U
27	106-46-7	1,4-Dichlorobenzene	1.1 U
28	75-25-2	Bromoform	1.1 U

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	CF5DL
CONC. LEVEL:	MED	LAB ID:	2784702
DATE RECEIVED:	06/04/96	DIL FACTOR:	1.00
DATE ANALYZED:	06/12/96	% MOISTURE:	6

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG (DRY BASIS)
1	74-87-3	Chloromethane	NA
2	74-83-9	Bromomethane	NA
3	75-01-4	Vinyl Chloride	NA
4	75-00-3	Chloroethane	NA
5	75-09-2	Methylene Chloride	NA
6	75-35-4	1,1-Dichloroethene	NA
7	75-34-3	1,1-Dichloroethane	NA
8	156-60-5	trans-1,2-Dichloroethene	NA
9	67-66-3	Chloroform	NA
10	107-06-2	1,2-Dichloroethane	NA
11	71-55-6	1,1,1-Trichloroethane	NA
12	56-23-5	Carbon Tetrachloride	NA
13	75-27-4	Bromodichloromethane	NA
14	78-87-5	1,2-Dichloropropane	NA
15	10061-01-5	cis-1,3-Dichloropropene	NA
16	79-01-6	Trichloroethene	NA
17	124-48-1	Dibromochloromethane	NA
18	79-00-5	1,1,2-Trichloroethane	NA
19	10061-02-6	trans-1,3-Dichloropropene	NA
20	127-18-4	Tetrachloroethene	3300.0
21	79-34-5	1,1,2,2-Tetrachloroethane	NA
22	108-90-7	Chlorobenzene	NA
23	75-71-8	Dichlorodifluoromethane	NA
24	75-69-4	Trichlorofluoromethane	NA
25	95-50-1	1,2-Dichlorobenzene	NA
26	541-73-1	1,3-Dichlorobenzene	NA
27	106-46-7	1,4-Dichlorobenzene	NA
28	75-25-2	Bromoform	NA

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	WF2
CONC. LEVEL:	LOW	LAB ID:	2784703
DATE RECEIVED:	06/04/96	DIL FACTOR:	1.00
DATE ANALYZED:	06/11/96	% MOISTURE:	8

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG (DRY BASIS)
1	74-87-3	Chloromethane	1.1 U
2	74-83-9	Bromomethane	1.1 U
3	75-01-4	Vinyl Chloride	1.1 U
4	75-00-3	Chloroethane	1.1 U
5	75-09-2	Methylene Chloride	34.0 B
6	75-35-4	1,1-Dichloroethene	1.1 U
7	75-34-3	1,1-Dichloroethane	1.1 U
8	156-60-5	trans-1,2-Dichloroethene	1.1 U
9	67-66-3	Chloroform	1.1 U
10	107-06-2	1,2-Dichloroethane	1.1 U
11	71-55-6	1,1,1-Trichloroethane	1.1 U
12	56-23-5	Carbon Tetrachloride	1.1 U
13	75-27-4	Bromodichloromethane	1.1 U
14	78-87-5	1,2-Dichloropropane	1.1 U
15	10061-01-5	cis-1,3-Dichloropropene	1.1 U
16	79-01-6	Trichloroethene	1.1 U
17	124-48-1	Dibromochloromethane	1.1 U
18	79-00-5	1,1,2-Trichloroethane	1.1 U
19	10061-02-6	trans-1,3-Dichloropropene	1.1 U
20	127-18-4	Tetrachloroethene	66.0
21	79-34-5	1,1,2,2-Tetrachloroethane	1.1 U
22	108-90-7	Chlorobenzene	1.1 U
23	75-71-8	Dichlorodifluoromethane	1.1 U
24	75-69-4	Trichlorofluoromethane	1.1 U
25	95-50-1	1,2-Dichlorobenzene	1.1 U
26	541-73-1	1,3-Dichlorobenzene	1.1 U
27	106-46-7	1,4-Dichlorobenzene	1.1 U
28	75-25-2	Bromoform	1.1 U

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	WF2DUP
CONC. LEVEL:	LOW	LAB ID:	2784704
DATE RECEIVED:	06/04/96	DIL FACTOR:	1.00
DATE ANALYZED:	06/11/96	% MOISTURE:	9

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG (DRY BASIS)
1	74-87-3	Chloromethane	1.1 U
2	74-83-9	Bromomethane	1.1 U
3	75-01-4	Vinyl Chloride	1.1 U
4	75-00-3	Chloroethane	1.1 U
5	75-09-2	Methylene Chloride	29.0 B
6	75-35-4	1,1-Dichloroethene	1.1 U
7	75-34-3	1,1-Dichloroethane	1.1 U
8	156-60-5	trans-1,2-Dichloroethene	1.1 U
9	67-66-3	Chloroform	1.1 U
10	107-06-2	1,2-Dichloroethane	1.1 U
11	71-55-6	1,1,1-Trichloroethane	1.1 U
12	56-23-5	Carbon Tetrachloride	1.1 U
13	75-27-4	Bromodichloromethane	1.1 U
14	78-87-5	1,2-Dichloropropane	1.1 U
15	10061-01-5	cis-1,3-Dichloropropene	1.1 U
16	79-01-6	Trichloroethene	1.1 U
17	124-48-1	Dibromochloromethane	1.1 U
18	79-00-5	1,1,2-Trichloroethane	1.1 U
19	10061-02-6	trans-1,3-Dichloropropene	1.1 U
20	127-18-4	Tetrachloroethene	62.0
21	79-34-5	1,1,2,2-Tetrachloroethane	1.1 U
22	108-90-7	Chlorobenzene	1.1 U
23	75-71-8	Dichlorodifluoromethane	1.1 U
24	75-69-4	Trichlorofluoromethane	1.1 U
25	95-50-1	1,2-Dichlorobenzene	1.1 U
26	541-73-1	1,3-Dichlorobenzene	1.1 U
27	106-46-7	1,4-Dichlorobenzene	1.1 U
28	75-25-2	Bromoform	1.1 U

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	WATER	SAMPLE ID:	TB604
CONC. LEVEL:	LOW	LAB ID:	2784705
DATE RECEIVED:	06/04/96	DIL FACTOR:	1.00
DATE ANALYZED:	06/08/96	% MOISTURE:	NA

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/L
1	74-87-3	Chloromethane	1.0 U
2	74-83-9	Bromomethane	1.0 U
3	75-01-4	Vinyl Chloride	1.0 U
4	75-00-3	Chloroethane	1.0 U
5	75-09-2	Methylene Chloride	3.4
6	75-35-4	1,1-Dichloroethene	1.0 U
7	75-34-3	1,1-Dichloroethane	1.0 U
8	156-60-5	trans-1,2-Dichloroethene	1.0 U
9	67-66-3	Chloroform	1.0 U
10	107-06-2	1,2-Dichloroethane	1.0 U
11	71-55-6	1,1,1-Trichloroethane	1.0 U
12	56-23-5	Carbon Tetrachloride	1.0 U
13	75-27-4	Bromodichloromethane	1.0 U
14	78-87-5	1,2-Dichloropropane	1.0 U
15	10061-01-5	cis-1,3-Dichloropropene	1.0 U
16	79-01-6	Trichloroethene	1.0 U
17	124-48-1	Dibromochloromethane	1.0 U
18	79-00-5	1,1,2-Trichloroethane	1.0 U
19	10061-02-6	trans-1,3-Dichloropropene	1.0 U
20	127-18-4	Tetrachloroethene	1.0 U
21	79-34-5	1,1,2,2-Tetrachloroethane	1.0 U
22	108-90-7	Chlorobenzene	1.0 U
23	75-71-8	Dichlorodifluoromethane	1.0 U
24	75-69-4	Trichlorofluoromethane	1.0 U
25	95-50-1	1,2-Dichlorobenzene	1.0 U
26	541-73-1	1,3-Dichlorobenzene	1.0 U
27	106-46-7	1,4-Dichlorobenzene	1.0 U
28	75-25-2	Bromoform	1.0 U

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER
CONC. LEVEL: LOW
DATE RECEIVED: 06/04/96
DATE ANALYZED: 06/13/96

SAMPLE ID: FB604
LAB ID: 2784706
DIL FACTOR: 1.00
% MOISTURE: NA

UG/L

CMPD #	CAS Number	VOLATILE COMPOUNDS	
1	74-87-3	Chloromethane	1.0 U
2	74-83-9	Bromomethane	1.0 U
3	75-01-4	Vinyl Chloride	1.0 U
4	75-00-3	Chloroethane	1.0 U
5	75-09-2	Methylene Chloride	1.7 B
6	75-35-4	1,1-Dichloroethene	1.0 U
7	75-34-3	1,1-Dichloroethane	1.0 U
8	156-60-5	trans-1,2-Dichloroethene	1.0 U
9	67-66-3	Chloroform	1.0 U
10	107-06-2	1,2-Dichloroethane	1.0 U
11	71-55-6	1,1,1-Trichloroethane	1.0 U
12	56-23-5	Carbon Tetrachloride	1.0 U
13	75-27-4	Bromodichloromethane	1.0 U
14	78-87-5	1,2-Dichloropropane	1.0 U
15	10061-01-5	cis-1,3-Dichloropropene	1.0 U
16	79-01-6	Trichloroethene	1.0 U
17	124-48-1	Dibromochloromethane	1.0 U
18	79-00-5	1,1,2-Trichloroethane	1.0 U
19	10061-02-6	trans-1,3-Dichloropropene	1.0 U
20	127-18-4	Tetrachloroethene	1.0 U
21	79-34-5	1,1,2,2-Tetrachloroethane	1.0 U
22	108-90-7	Chlorobenzene	1.0 U
23	75-71-8	Dichlorodifluoromethane	1.0 U
24	75-69-4	Trichlorofluoromethane	1.0 U
25	95-50-1	1,2-Dichlorobenzene	1.0 U
26	541-73-1	1,3-Dichlorobenzene	1.0 U
27	106-46-7	1,4-Dichlorobenzene	1.0 U
28	75-25-2	Bromoform	1.0 U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CF5

Lab Name: NYTEST ENV INC. Contract: 9622574

Lab Code: NYTEST Case No.: 27847 SAS No.: SDG No.: MUN1S

Matrix: (soil/water) SOIL Lab Sample ID: 2784702

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R1291.D

Level: (low/med) LOW Date Received: 06/04/96

% Moisture: not dec. 6 dec. Date Extracted: 06/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/17/96

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
111-44-4	bis(2-Chloroethyl)Ether	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	350	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
85-01-8	Phenanthrene	350	U

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CF5

Lab Name: NYTEST ENV INC. Contract: 9622574

Lab Code: NYTEST Case No.: 27847 SAS No.: SDG No.: MUN1S

Matrix: (soil/water) SOIL Lab Sample ID: 2784702

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R1291.D

Level: (low/med) LOW Date Received: 06/04/96

% Moisture: not dec. 6 dec. Date Extracted:06/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/17/96

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	710	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)phthalate	350	U
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenz(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CF5

Lab Name: NYTEST ENV INC. Contract: 9622574

Lab Code: NYTEST Case No.: 27847 SAS No.: SDG No.: MUN1S

Matrix: (soil/water) SOIL Lab Sample ID: 2784702

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R1291.D

Level: (low/med) LOW Date Received: 06/04/96

% Moisture: not dec. 6 dec. Date Extracted: 06/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/17/96

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

Number TICs found: 11

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.222	130	JB
2.		UNKNOWN ALDOL	3.396	9500	AJB
3.		UNKNOWN	3.483	420	JB
4.		UNKNOWN	3.535	540	JB
5.		UNKNOWN	3.726	84	JB
6.		UNKNOWN	3.987	490	JB
7.		UNKNOWN	4.091	200	JB
8.		UNKNOWN	4.387	220	J
9.		UNKNOWN	4.961	140	J
10.		UNKNOWN	12.493	120	J
11.		UNKNOWN	19.207	190	J
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FD2

Lab Name: NYTEST ENV INC. Contract: 9622574

Lab Code: NYTEST Case No.: 27847 SAS No.: SDG No.: MUN1S

Matrix: (soil/water) SOIL Lab Sample ID: 2784701

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R1290.D

Level: (low/med) LOW Date Received: 06/04/96

% Moisture: not dec. 7 dec. Date Extracted:06/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/17/96

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
111-44-4	bis(2-Chloroethyl)Ether	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
95-50-1	1,2-Dichlorobenzene	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	140	J
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethylphthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	360	U
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	360	U
100-01-6	4-Nitroaniline	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
85-01-8	Phenanthrene	360	U

(1) - Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FD2

Lab Name: NYTEST ENV INC. Contract: 9622574

Lab Code: NYTEST Case No.: 27847 SAS No.: SDG No.: MUN1S

Matrix: (soil/water) SOIL Lab Sample ID: 2784701

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R1290.D

Level: (low/med) LOW Date Received: 06/04/96

% Moisture: not dec. 7 dec. Date Extracted:06/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/17/96

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
120-12-7	Anthracene	360	U
86-74-8	Carbazole	360	U
84-74-2	Di-n-butylphthalate	200	J
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	53	J
85-68-7	Butylbenzylphthalate	840	
91-94-1	3,3'-Dichlorobenzidine	720	U
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	360	U
117-81-7	bis(2-Ethylhexyl)phthalate	3700	E
117-84-0	Di-n-octylphthalate	220	J
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenz(a,h)anthracene	360	U
191-24-2	Benzo(g,h,i)perylene	360	U

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FD2

Lab Name: NYTEST ENV INC. Contract: 9622574

Lab Code: NYTEST Case No.: 27847 SAS No.: SDG No.: MUN1S

Matrix: (soil/water) SOIL Lab Sample ID: 2784701

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R1290.D

Level: (low/med) LOW Date Received: 06/04/96

% Moisture: not dec. 7 dec. Date Extracted: 06/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/17/96

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

Number TICs found: 10

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALDOL	3.377	3600	AJB
2.		UNKNOWN HYDROCARBON	6.073	1200	J
3.		UNKNOWN HYDROCARBON	7.030	1400	J
4.		UNKNOWN HYDROCARBON	8.995	1400	J
5.		UNKNOWN HYDROCARBON	9.970	1200	J
6.		UNKNOWN HYDROCARBON	10.961	1600	J
7.		UNKNOWN HYDROCARBON	11.813	2000	J
8.		UNKNOWN HYDROCARBON	12.683	1600	J
9.		UNKNOWN AROMATIC	16.753	2100	J
10.		UNKNOWN AROMATIC	17.571	1200	J
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EPA SAMPLE NO.

FD2DL

Lab Name: NYTEST ENV INC. Contract: 9622574

Lab Code: NYTEST Case No.: 27847 SAS No.: SDG No.: MUN1S

Matrix: (soil/water) SOIL Lab Sample ID: 2784701

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R1293.D

Level: (low/med) LOW Date Received: 06/04/96

% Moisture: not dec. 7 dec. Date Extracted: 06/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/17/96

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
111-44-4	bis(2-Chloroethyl)Ether	720	U
541-73-1	1,3-Dichlorobenzene	720	U
106-46-7	1,4-Dichlorobenzene	720	U
95-50-1	1,2-Dichlorobenzene	720	U
108-60-1	2,2'-oxybis(1-Chloropropane)	720	U
621-64-7	N-Nitroso-di-n-propylamine	720	U
67-72-1	Hexachloroethane	150	JD
98-95-3	Nitrobenzene	720	U
78-59-1	Isophorone	720	U
120-82-1	1,2,4-Trichlorobenzene	720	U
91-20-3	Naphthalene	720	U
106-47-8	4-Chloroaniline	720	U
87-68-3	Hexachlorobutadiene	720	U
111-91-1	bis(2-Chloroethoxy)methane	720	U
91-57-6	2-Methylnaphthalene	720	U
77-47-4	Hexachlorocyclopentadiene	720	U
91-58-7	2-Chloronaphthalene	720	U
88-74-4	2-Nitroaniline	3600	U
131-11-3	Dimethylphthalate	720	U
208-96-8	Acenaphthylene	720	U
606-20-2	2,6-Dinitrotoluene	720	U
99-09-2	3-Nitroaniline	3600	U
83-32-9	Acenaphthene	720	U
132-64-9	Dibenzofuran	720	U
121-14-2	2,4-Dinitrotoluene	720	U
84-66-2	Diethylphthalate	720	U
7005-72-3	4-Chlorophenyl-phenylether	720	U
86-73-7	Fluorene	720	U
100-01-6	4-Nitroaniline	3600	U
86-30-6	N-Nitrosodiphenylamine (1)	720	U
101-55-3	4-Bromophenyl-phenylether	720	U
118-74-1	Hexachlorobenzene	720	U
85-01-8	Phenanthrene	720	U

(1) - Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FD2DL

Lab Name: NYTEST ENV INC. Contract: 9622574

Lab Code: NYTEST Case No.: 27847 SAS No.: SDG No.: MUN1S

Matrix: (soil/water) SOIL Lab Sample ID: 2784701

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R1293.D

Level: (low/med) LOW Date Received: 06/04/96

% Moisture: not dec. 7 dec. Date Extracted: 06/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/17/96

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
120-12-7	Anthracene	720	U
86-74-8	Carbazole	720	U
84-74-2	Di-n-butylphthalate	190	JD
206-44-0	Fluoranthene	720	U
129-00-0	Pyrene	720	U
85-68-7	Butylbenzylphthalate	760	D
91-94-1	3,3'-Dichlorobenzidine	1400	U
56-55-3	Benzo(a)anthracene	720	U
218-01-9	Chrysene	720	U
117-81-7	bis(2-Ethylhexyl)phthalate	3300	D
117-84-0	Di-n-octylphthalate	200	JD
205-99-2	Benzo(b)fluoranthene	720	U
207-08-9	Benzo(k)fluoranthene	720	U
50-32-8	Benzo(a)pyrene	720	U
193-39-5	Indeno(1,2,3-cd)pyrene	720	U
53-70-3	Dibenz(a,h)anthracene	720	U
191-24-2	Benzo(g,h,i)perylene	720	U

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FD2DL

Lab Name: NYTEST ENV INC. Contract: 9622574

Lab Code: NYTEST Case No.: 27847 SAS No.: SDG No.: MUN1S

Matrix: (soil/water) SOIL Lab Sample ID: 2784701

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R1293.D

Level: (low/med) LOW Date Received: 06/04/96

% Moisture: not dec. 7 dec. Date Extracted: 06/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/17/96

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 2.0

Number TICs found: 10

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALDOL	3.363	3400	AJBD
2.		UNKNOWN	6.077	1600	JD
3.		UNKNOWN	7.016	2200	JD
4.		UNKNOWN	8.616	1400	JD
5.		UNKNOWN	8.982	1900	JD
6.		UNKNOWN	9.956	1600	JD
7.		UNKNOWN	10.947	1800	JD
8.		UNKNOWN	11.799	2200	JD
9.		UNKNOWN	12.669	1600	JD
10.		UNKNOWN AROMATIC	16.757	2200	JD
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EPA SAMPLE NO.

WF2

Lab Name: NYTEST ENV INC. Contract: 9622574

Lab Code: NYTEST Case No.: 27847 SAS No.: SDG No.: MUN1S

Matrix: (soil/water) SOIL Lab Sample ID: 2784703

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R1292.D

Level: (low/med) LOW Date Received: 06/04/96

% Moisture: not dec. 8 dec. Date Extracted: 06/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/17/96

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
111-44-4	bis(2-Chloroethyl)Ether	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
95-50-1	1,2-Dichlorobenzene	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethylphthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	360	U
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	360	U
100-01-6	4-Nitroaniline	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
85-01-8	Phenanthrene	360	U

(1) - Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WF2

Lab Name: NYTEST ENV INC. Contract: 9622574

Lab Code: NYTEST Case No.: 27847 SAS No.: SDG No.: MUN1S

Matrix: (soil/water) SOIL Lab Sample ID: 2784703

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R1292.D

Level: (low/med) LOW Date Received: 06/04/96

% Moisture: not dec. 8 dec. Date Extracted: 06/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/17/96

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
120-12-7	Anthracene	360	U
86-74-8	Carbazole	360	U
84-74-2	Di-n-butylphthalate	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	720	U
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	360	U
117-81-7	bis(2-Ethylhexyl)phthalate	360	U
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenz(a,h)anthracene	360	U
191-24-2	Benzo(g,h,i)perylene	360	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WF2

Lab Name: NYTEST ENV INC. Contract: 9622574

Lab Code: NYTEST Case No.: 27847 SAS No.: SDG No.: MUN1S

Matrix: (soil/water) SOIL Lab Sample ID: 2784703

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R1292.D

Level: (low/med) LOW Date Received: 06/04/96

% Moisture: not dec. 8 dec. Date Extracted:06/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/17/96

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.0

Number TICs found: 11

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.223	160	JB
2.		UNKNOWN	3.293	59	JB
3.		UNKNOWN ALDOL	3.380	7100	AJB
4.		UNKNOWN	3.484	800	JB
5.		UNKNOWN	3.536	940	JB
6.		UNKNOWN	3.728	100	JB
7.		UNKNOWN	3.988	160	JB
8.		UNKNOWN	4.093	84	JB
9.		UNKNOWN	4.388	260	J
10.		UNKNOWN	4.580	49	J
11.		UNKNOWN	4.963	320	J
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8080 - FORM 1

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL
CONC. LEVEL: LOW
EXTRACTION DATE: 6/7/96
ANALYSIS DATE: 7/13/96

SAMPLE ID: 1B5DL
LAB SAMPLE ID: 2783701DL
DIL FACTOR: 500.00
% MOISTURE: 5

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG (DRY BASIS)
1	319-84-6	alpha-BHC	4211 U
2	319-85-7	beta-BHC	4211 U
3	319-86-8	delta-BHC	4211 U
4	58-89-9	gamma-BHC (Lindane)	4211 U
5	76-44-8	Heptachlor	4211 U
6	309-00-2	Aldrin	4211 U
7	1024-57-3	Heptachlor Epoxide	4211 U
8	959-98-8	Endosulfan I	4211 U
9	60-57-1	Dieldrin	940 J D
10	72-55-9	4,4'-DDE	2100 J D
11	72-20-8	Endrin	8421 U
12	33213-65-9	Endosulfan II	8421 U
13	72-54-8	4,4'-DDD	200000 E
14	1031-07-8	Endosulfan Sulfate	8421 U
15	50-29-3	4,4'-DDT	12000 D
16	72-43-5	Methoxychlor	42105 U
17	53494-70-5	Endrin Ketone	8421 U
18	7421-93-4	Endrin Aldehyde	8421 U
19	5103-71-9	alpha-Chlordane	4211 U
20	5103-74-2	gamma-Chlordane	4211 U
21	8001-35-2	Toxaphene	84211 U
~~22~~	~~12674-11-2~~	~~Aroclor-1016~~	~~42105 U~~
23	11104-28-2	Aroclor-1221	42105 U
24	11141-16-5	Aroclor-1232	42105 U
25	53469-21-9	Aroclor-1242	42105 U
26	12672-29-6	Aroclor-1248	42105 U
27	11097-69-1	Aroclor-1254	42105 U
28	11096-82-5	Aroclor-1260	42105 U

mc 7/31/96

needs AN ADDITIONAL 1:10 DILUTION

mc 7/31/96

000049

ac:\123\gc\pest-pcb\soil

REV 06/95

8080 - FORM 1

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	1B5DL
CONC. LEVEL:	LOW	LAB SAMPLE ID:	2783701DL
EXTRACTION DATE:	06/07/96	DIL FACTOR:	5000.00
ANALYSIS DATE:	07/30/96	% MOISTURE:	5

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	(DRY BASIS)
1	319-84-6	alpha-BHC	42000 U
2	319-85-7	beta-BHC	42000 U
3	319-86-8	delta-BHC	42000 U
4	58-89-9	gamma-BHC (Lindane)	42000 U
5	76-44-8	Heptachlor	42000 U
6	309-00-2	Aldrin	42000 U
7	1024-57-3	Heptachlor Epoxide	42000 U
8	959-98-8	Endosulfan I	42000 U
9	60-57-1	Dieldrin	940 D
10	72-55-9	4,4'-DDE	2100 D
11	72-20-8	Endrin	84000 U
12	33213-65-9	Endosulfan II	84000 U
13	72-54-8	4,4'-DDD	320000 D
14	1031-07-8	Endosulfan Sulfate	84000 U
15	50-29-3	4,4'-DDT	50000 D
16	72-43-5	Methoxychlor	420000 U
17	53494-70-5	Endrin Ketone	84000 U
18	7421-93-4	Endrin Aldehyde	84000 U
19	5103-71-9	alpha-Chlordane	42000 U
20	5103-74-2	gamma-Chlordane	42000 U
21	8001-35-2	Toxaphene	840000 U
~~22~~	~~12674-11-2~~	~~Aroclor-1016~~	~~420000 U~~
23	11104-28-2	Aroclor-1221	420000 U
24	11141-16-5	Aroclor-1232	420000 U
25	53469-21-9	Aroclor-1242	420000 U
26	12672-29-6	Aroclor-1248	420000 U
27	11097-69-1	Aroclor-1254	420000 U
28	11096-82-5	Aroclor-1260	420000 U

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NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	1E5
CONC. LEVEL:	LOW	LAB SAMPLE ID:	2783704
EXTRACTION DATE:	6/7/96	DIL FACTOR:	1.00
ANALYSIS DATE:	7/13/96	% MOISTURE:	5

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG (DRY BASIS)
1	319-84-6	alpha-BHC	8 U
2	319-85-7	beta-BHC	8 U
3	319-86-8	delta-BHC	8 U
4	58-89-9	gamma-BHC (Lindane)	8 U
5	76-44-8	Heptachlor	8 U
6	309-00-2	Aldrin	8 U
7	1024-57-3	Heptachlor Epoxide	8 U
8	959-98-8	Endosulfan I	8 U
9	60-57-1	Dieldrin	6.9 J
10	72-55-9	4,4'-DDE	110
11	72-20-8	Endrin	17 U
12	33213-65-9	Endosulfan II	17 U
13	72-54-8	4,4'-DDD	390 E
14	1031-07-8	Endosulfan Sulfate	17 U
15	50-29-3	4,4'-DDT	1000 E
16	72-43-5	Methoxychlor	1300 E
17	53494-70-5	Endrin Ketone	17 U
18	7421-93-4	Endrin Aldehyde	17 U
19	5103-71-9	alpha-Chlordane	6.9 J
20	5103-74-2	gamma-Chlordane	9.7
21	8001-35-2	Toxaphene	170 U
~~22~~	~~12674-11-2~~	~~Aroclor-1016~~	~~84 U~~
23	11104-28-2	Aroclor-1221	84 U
24	11141-16-5	Aroclor-1232	84 U
25	53469-21-9	Aroclor-1242	84 U
26	12672-29-6	Aroclor-1248	84 U
27	11097-69-1	Aroclor-1254	84 U
28	11096-82-5	Aroclor-1260	84 U

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NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	1E5DL
CONC. LEVEL:	LOW	LAB SAMPLE ID:	2783704DL
EXTRACTION DATE:	6/7/96	DIL FACTOR:	10.00
ANALYSIS DATE:	7/13/96	% MOISTURE:	5

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG (DRY BASIS)
1	319-84-6	alpha-BHC	84 U
2	319-85-7	beta-BHC	84 U
3	319-86-8	delta-BHC	84 U
4	58-89-9	gamma-BHC (Lindane)	84 U
5	76-44-8	Heptachlor	84 U
6	309-00-2	Aldrin	84 U
7	1024-57-3	Heptachlor Epoxide	84 U
8	959-98-8	Endosulfan I	84 U
9	60-57-1	Dieldrin	168 U
10	72-55-9	4,4'-DDE	110 J
11	72-20-8	Endrin	168 U
12	33213-65-9	Endosulfan II	168 U
13	72-54-8	4,4'-DDD	740
14	1031-07-8	Endosulfan Sulfate	168 U
15	50-29-3	4,4'-DDT	1300
16	72-43-5	Methoxychlor	1300
17	53494-70-5	Endrin Ketone	168 U
18	7421-93-4	Endrin Aldehyde	168 U
19	5103-71-9	alpha-Chlordane	84 U
20	5103-74-2	gamma-Chlordane	84 U
21	8001-35-2	Toxaphene	1680 U
~~22~~	~~12674-11-2~~	~~Aroclor-1016~~	~~842 U~~
23	11104-28-2	Aroclor-1221	842 U
24	11141-16-5	Aroclor-1232	842 U
25	53469-21-9	Aroclor-1242	842 U
26	12672-29-6	Aroclor-1248	842 U
27	11097-69-1	Aroclor-1254	842 U
28	11096-82-5	Aroclor-1260	842 U

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NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	3A4
CONC. LEVEL:	LOW	LAB SAMPLE ID:	2783705
EXTRACTION DATE:	6/7/96	DIL FACTOR:	1.00
ANALYSIS DATE:	7/13/96	% MOISTURE:	6

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG (DRY BASIS)
1	319-84-6	alpha-BHC	9 U
2	319-85-7	beta-BHC	9 U
3	319-86-8	delta-BHC	9 U
4	58-89-9	gamma-BHC (Lindane)	9 U
5	76-44-8	Heptachlor	9 U
6	309-00-2	Aldrin	9 U
7	1024-57-3	Heptachlor Epoxide	9 U
8	959-98-8	Endosulfan I	9 U
9	60-57-1	Dieldrin	11 J
10	72-55-9	4,4'-DDE	21
11	72-20-8	Endrin	17 U
12	33213-65-9	Endosulfan II	17 U
13	72-54-8	4,4'-DDD	860 E
14	1031-07-8	Endosulfan Sulfate	17 U
15	50-29-3	4,4'-DDT	96
16	72-43-5	Methoxychlor	85 U
17	53494-70-5	Endrin Ketone	17 U
18	7421-93-4	Endrin Aldehyde	17 U
19	5103-71-9	alpha-Chlordane	24
20	5103-74-2	gamma-Chlordane	11
21	8001-35-2	Toxaphene	170 U
~~22~~	~~12674-11-2~~	~~Aroclor-1016~~	~~85 U~~
23	11104-28-2	Aroclor-1221	85 U
24	11141-16-5	Aroclor-1232	85 U
25	53469-21-9	Aroclor-1242	85 U
26	12672-29-6	Aroclor-1248	85 U
27	11097-69-1	Aroclor-1254	85 U
28	11096-82-5	Aroclor-1260	85 U

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NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	3A4DL
CONC. LEVEL:	LOW	LAB SAMPLE ID:	2783705DL
EXTRACTION DATE:	6/7/96	DIL FACTOR:	100.00
ANALYSIS DATE:	7/13/96	% MOISTURE:	6

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG (DRY BASIS)
1	319-84-6	alpha-BHC	851 U
2	319-85-7	beta-BHC	851 U
3	319-86-8	delta-BHC	851 U
4	58-89-9	gamma-BHC (Lindane)	851 U
5	76-44-8	Heptachlor	851 U
6	309-00-2	Aldrin	851 U
7	1024-57-3	Heptachlor Epoxide	851 U
8	959-98-8	Endosulfan I	851 U
9	60-57-1	Dieldrin	1702 U
10	72-55-9	4,4'-DDE	1702 U
11	72-20-8	Endrin	1702 U
12	33213-65-9	Endosulfan II	1702 U
13	72-54-8	4,4'-DDD	2200 D
14	1031-07-8	Endosulfan Sulfate	1702 U
15	50-29-3	4,4'-DDT	1702 U
16	72-43-5	Methoxychlor	8511 U
17	53494-70-5	Endrin Ketone	1702 U
18	7421-93-4	Endrin Aldehyde	1702 U
19	5103-71-9	alpha-Chlordane	851 U
20	5103-74-2	gamma-Chlordane	851 U
21	8001-35-2	Toxaphene	17020 U
~~22~~	~~12674-11-2~~	~~Aroclor-1016~~	~~8511 U~~
23	11104-28-2	Aroclor-1221	8511 U
24	11141-16-5	Aroclor-1232	8511 U
25	53469-21-9	Aroclor-1242	8511 U
26	12672-29-6	Aroclor-1248	8511 U
27	11097-69-1	Aroclor-1254	8511 U
28	11096-82-5	Aroclor-1260	8511 U

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NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	3C1
CONC. LEVEL:	LOW	LAB SAMPLE ID:	2783706
EXTRACTION DATE:	6/7/96	DIL FACTOR:	1.00
ANALYSIS DATE:	7/13/96	% MOISTURE:	7

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG (DRY BASIS)
1	319-84-6	alpha-BHC	9 U
2	319-85-7	beta-BHC	9 U
3	319-86-8	delta-BHC	9 U
4	58-89-9	gamma-BHC (Lindane)	9 U
5	76-44-8	Heptachlor	9 U
6	309-00-2	Aldrin	9 U
7	1024-57-3	Heptachlor Epoxide	9 U
8	959-98-8	Endosulfan I	9 U
9	60-57-1	Dieldrin	23
10	72-55-9	4,4'-DDE	120
11	72-20-8	Endrin	17 U
12	33213-65-9	Endosulfan II	17 U
13	72-54-8	4,4'-DDD	800 E
14	1031-07-8	Endosulfan Sulfate	17 U
15	50-29-3	4,4'-DDT	330 E
16	72-43-5	Methoxychlor	86 U
17	53494-70-5	Endrin Ketone	17 U
18	7421-93-4	Endrin Aldehyde	6.6 J
19	5103-71-9	alpha-Chlordane	150
20	5103-74-2	gamma-Chlordane	89
21	8001-35-2	Toxaphene	170 U
~~22~~	~~12674-11-2~~	~~Aroclor-1016~~	~~86 U~~
23	11104-28-2	Aroclor-1221	86 U
24	11141-16-5	Aroclor-1232	86 U
25	53469-21-9	Aroclor-1242	86 U
26	12672-29-6	Aroclor-1248	86 U
27	11097-69-1	Aroclor-1254	86 U
28	11096-82-5	Aroclor-1260	86 U

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NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	3C1DL
CONC. LEVEL:	LOW	LAB SAMPLE ID:	2783706DL
EXTRACTION DATE:	6/7/96	DIL FACTOR:	10.00
ANALYSIS DATE:	7/13/96	% MOISTURE:	7

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG (DRY BASIS)
1	319-84-6	alpha-BHC	86 U
2	319-85-7	beta-BHC	86 U
3	319-86-8	delta-BHC	86 U
4	58-89-9	gamma-BHC (Lindane)	86 U
5	76-44-8	Heptachlor	86 U
6	309-00-2	Aldrin	86 U
7	1024-57-3	Heptachlor Epoxide	86 U
8	959-98-8	Endosulfan I	86 U
9	60-57-1	Dieldrin	171 U
10	72-55-9	4,4'-DDE	171 U
11	72-20-8	Endrin	171 U
12	33213-65-9	Endosulfan II	171 U
13	72-54-8	4,4'-DDD	940 D
14	1031-07-8	Endosulfan Sulfate	171 U
15	50-29-3	4,4'-DDT	340 D
16	72-43-5	Methoxychlor	856 U
17	53494-70-5	Endrin Ketone	171 U
18	7421-93-4	Endrin Aldehyde	171 U
19	5103-71-9	alpha-Chlordane	140 D
20	5103-74-2	gamma-Chlordane	80 DJ
~~21~~	~~8001-35-2~~	~~Toxaphene~~	~~1711 U~~
22	12674-11-2	Aroclor-1016	856 U
23	11104-28-2	Aroclor-1221	856 U
24	11141-16-5	Aroclor-1232	856 U
25	53469-21-9	Aroclor-1242	856 U
26	12672-29-6	Aroclor-1248	856 U
27	11097-69-1	Aroclor-1254	856 U
28	11096-82-5	Aroclor-1260	856 U

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NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	1D1
CONC. LEVEL:	LOW	LAB SAMPLE ID:	2783707
EXTRACTION DATE:	6/7/96	DIL FACTOR:	10.00
ANALYSIS DATE:	7/13/96	% MOISTURE:	8

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG (DRY BASIS)
1	319-84-6	alpha-BHC	87 U
2	319-85-7	beta-BHC	87 U
3	319-86-8	delta-BHC	87 U
4	58-89-9	gamma-BHC (Lindane)	87 U
5	76-44-8	Heptachlor	87 U
6	309-00-2	Aldrin	87 U
7	1024-57-3	Heptachlor Epoxide	87 U
8	959-98-8	Endosulfan I	87 U
9	60-57-1	Dieldrin	36 J
10	72-55-9	4,4'-DDE	910
11	72-20-8	Endrin	110 D
12	33213-65-9	Endosulfan II	174 U
13	72-54-8	4,4'-DDD	2700 E
14	1031-07-8	Endosulfan Sulfate	174 U
15	50-29-3	4,4'-DDT	10000 E
16	72-43-5	Methoxychlor	870 U
17	53494-70-5	Endrin Ketone	174 U
18	7421-93-4	Endrin Aldehyde	174 U
19	5103-71-9	alpha-Chlordane	13 J
20	5103-74-2	gamma-Chlordane	37 J
21	8001-35-2	Toxaphene	1739 U
~~22~~	~~12674-11-2~~	~~Aroclor-1016~~	~~870 U~~
23	11104-28-2	Aroclor-1221	870 U
24	11141-16-5	Aroclor-1232	870 U
25	53469-21-9	Aroclor-1242	870 U
26	12672-29-6	Aroclor-1248	870 U
27	11097-69-1	Aroclor-1254	870 U
28	11096-82-5	Aroclor-1260	870 U

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NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	1D1DL
CONC. LEVEL:	LOW	LAB SAMPLE ID:	2783707DL
EXTRACTION DATE:	6/7/96	DIL FACTOR:	1000.00
ANALYSIS DATE:	7/13/96	% MOISTURE:	8

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG (DRY BASIS)
1	319-84-6	alpha-BHC	8724 U
2	319-85-7	beta-BHC	8724 U
3	319-86-8	delta-BHC	8724 U
4	58-89-9	gamma-BHC (Lindane)	8724 U
5	76-44-8	Heptachlor	8724 U
6	309-00-2	Aldrin	8724 U
7	1024-57-3	Heptachlor Epoxide	8724 U
8	959-98-8	Endosulfan I	8724 U
9	60-57-1	Dieldrin	17448 U
10	72-55-9	4,4'-DDE	890 J
11	72-20-8	Endrin	17448 U
12	33213-65-9	Endosulfan II	17448 U
13	72-54-8	4,4'-DDD	9600 D
14	1031-07-8	Endosulfan Sulfate	17448 U
15	50-29-3	4,4'-DDT	27000 D
16	72-43-5	Methoxychlor	87241 U
17	53494-70-5	Endrin Ketone	17448 U
18	7421-93-4	Endrin Aldehyde	17448 U
19	5103-71-9	alpha-Chlordane	8724 U
20	5103-74-2	gamma-Chlordane	8724 U
21	8001-35-2	Toxaphene	174482 U
~~22~~	~~12674-11-2~~	~~Aroclor-1016~~	~~87241 U~~
23	11104-28-2	Aroclor-1221	87241 U
24	11141-16-5	Aroclor-1232	87241 U
25	53469-21-9	Aroclor-1242	87241 U
26	12672-29-6	Aroclor-1248	87241 U
27	11097-69-1	Aroclor-1254	87241 U
28	11096-82-5	Aroclor-1260	87241 U

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NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	3D1
CONC. LEVEL:	LOW	LAB SAMPLE ID:	2783708
EXTRACTION DATE:	6/7/96	DIL FACTOR:	1.00
ANALYSIS DATE:	7/13/96	% MOISTURE:	8

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG (DRY BASIS)
1	319-84-6	alpha-BHC	9 U
2	319-85-7	beta-BHC	9 U
3	319-86-8	delta-BHC	9 U
4	58-89-9	gamma-BHC (Lindane)	9 U
5	76-44-8	Heptachlor	9 U
6	309-00-2	Aldrin	9 U
7	1024-57-3	Heptachlor Epoxide	9 U
8	959-98-8	Endosulfan I	9 U
9	60-57-1	Dieldrin	9 ~~P~~
10	72-55-9	4,4'-DDE	8.2 J
11	72-20-8	Endrin	17 U
12	33213-65-9	Endosulfan II	17 U
13	72-54-8	4,4'-DDD	110 ~~P~~
14	1031-07-8	Endosulfan Sulfate	17 U
15	50-29-3	4,4'-DDT	200 ~~17~~ E
16	72-43-5	Methoxychlor	31 J
17	53494-70-5	Endrin Ketone	17 U
18	7421-93-4	Endrin Aldehyde	17 U
19	5103-71-9	alpha-Chlordane	17 ~~P~~
20	5103-74-2	gamma-Chlordane	11 ~~P~~ J
21	8001-35-2	Toxaphene	170 U
~~22~~	~~12674-11-2~~	~~Aroclor-1016~~	~~87 U~~
23	11104-28-2	Aroclor-1221	87 U
24	11141-16-5	Aroclor-1232	87 U
25	53469-21-9	Aroclor-1242	87 U
26	12672-29-6	Aroclor-1248	87 U
27	11097-69-1	Aroclor-1254	87 U
28	11096-82-5	Aroclor-1260	87 U

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NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	3D1DL
CONC. LEVEL:	LOW	LAB SAMPLE ID:	2783708DL
EXTRACTION DATE:	6/7/96	DIL FACTOR:	30.00
ANALYSIS DATE:	7/13/96	% MOISTURE:	8

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG (DRY BASIS)
1	319-84-6	alpha-BHC	262 U
2	319-85-7	beta-BHC	262 U
3	319-86-8	delta-BHC	262 U
4	58-89-9	gamma-BHC (Lindane)	262 U
5	76-44-8	Heptachlor	262 U
6	309-00-2	Aldrin	262 U
7	1024-57-3	Heptachlor Epoxide	262 U
8	959-98-8	Endosulfan I	262 U
9	60-57-1	Dieldrin	523 U
10	72-55-9	4,4'-DDE	523 U
11	72-20-8	Endrin	523 U
12	33213-65-9	Endosulfan II	523 U
13	72-54-8	4,4'-DDD	523 U
14	1031-07-8	Endosulfan Sulfate	523 U
15	50-29-3	4,4'-DDT	930 D
16	72-43-5	Methoxychlor	2617 U
17	53494-70-5	Endrin Ketone	523 U
18	7421-93-4	Endrin Aldehyde	523 U
19	5103-71-9	alpha-Chlordane	262 U
20	5103-74-2	gamma-Chlordane	262 U
21	8001-35-2	Toxaphene	5234 U
22	12674-11-2	Aroclor-1016	2617 U
23	11104-28-2	Aroclor-1221	2617 U
24	11141-16-5	Aroclor-1232	2617 U
25	53469-21-9	Aroclor-1242	2617 U
26	12672-29-6	Aroclor-1248	2617 U
27	11097-69-1	Aroclor-1254	2617 U
28	11096-82-5	Aroclor-1260	2617 U

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NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	2F1
CONC. LEVEL:	LOW	LAB SAMPLE ID:	2783709
EXTRACTION DATE:	6/7/96	DIL FACTOR:	1.00
ANALYSIS DATE:	7/13/96	% MOISTURE:	9

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG (DRY BASIS)
1	319-84-6	alpha-BHC	9 U
2	319-85-7	beta-BHC	9 U
3	319-86-8	delta-BHC	9 U
4	58-89-9	gamma-BHC (Lindane)	9 U
5	76-44-8	Heptachlor	9 U
6	309-00-2	Aldrin	9 U
7	1024-57-3	Heptachlor Epoxide	9 U
8	959-98-8	Endosulfan I	9 U
9	60-57-1	Dieldrin	18 U
10	72-55-9	4,4'-DDE	14 J
11	72-20-8	Endrin	18 U
12	33213-65-9	Endosulfan II	18 U
13	72-54-8	4,4'-DDD	59 U
14	1031-07-8	Endosulfan Sulfate	18 U
15	50-29-3	4,4'-DDT	97 U
16	72-43-5	Methoxychlor	88 U
17	53494-70-5	Endrin Ketone	18 U
18	7421-93-4	Endrin Aldehyde	18 U
19	5103-71-9	alpha-Chlordane	8.1 J
20	5103-74-2	gamma-Chlordane	5.5 J
21	8001-35-2	Toxaphene	175 U
~~22~~	~~12674-11-2~~	~~Aroclor 1016~~	~~88 U~~
23	11104-28-2	Aroclor-1221	88 U
24	11141-16-5	Aroclor-1232	88 U
25	53469-21-9	Aroclor-1242	88 U
26	12672-29-6	Aroclor-1248	88 U
27	11097-69-1	Aroclor-1254	88 U
28	11096-82-5	Aroclor-1260	88 U

RE 7/31/96

per 7/31/96

ac:\123\gc\pest-pcb\soil

000061

REV 06/95

8080 - FORM 1

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	2A1DL
CONC. LEVEL:	LOW	LAB SAMPLE ID:	2783710DL
EXTRACTION DATE:	06/07/96	DIL FACTOR:	500.00
ANALYSIS DATE:	07/30/96	% MOISTURE:	6

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	(DRY BASIS)
1	319-84-6	alpha-BHC	4000 U
2	319-85-7	beta-BHC	4000 U
3	319-86-8	delta-BHC	4000 U
4	58-89-9	gamma-BHC (Lindane)	4000 U
5	76-44-8	Heptachlor	4000 U
6	309-00-2	Aldrin	4000 U
7	1024-57-3	Heptachlor Epoxide	4000 U
8	959-98-8	Endosulfan I	4000 U
9	60-57-1	Dieldrin	42000 U
10	72-55-9	4,4'-DDE	42000 U
11	72-20-8	Endrin	8000 U
12	33213-65-9	Endosulfan II	8000 U
13	72-54-8	4,4'-DDD	490000 D
14	1031-07-8	Endosulfan Sulfate	8000 U
15	50-29-3	4,4'-DDT	62000 D
16	72-43-5	Methoxychlor	40000 U
17	53494-70-5	Endrin Ketone	8000 U
18	7421-93-4	Endrin Aldehyde	8000 U
19	5103-71-9	alpha-Chlordane	4000 U
20	5103-74-2	gamma-Chlordane	4000 U
21	8001-35-2	Toxaphene	80000 U
~~22~~	~~12674-11-2~~	~~Aroclor-1016~~	~~40000 U~~
23	11104-28-2	Aroclor-1221	40000 U
24	11141-16-5	Aroclor-1232	40000 U
25	53469-21-9	Aroclor-1242	40000 U
26	12672-29-6	Aroclor-1248	40000 U
27	11097-69-1	Aroclor-1254	40000 U
28	11096-82-5	Aroclor-1260	40000 U

RO 7/31/96

8080 - FORM 1

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	2A1DL
CONC. LEVEL:	LOW	LAB SAMPLE ID:	2783710DL
EXTRACTION DATE:	06/07/96	DIL FACTOR:	5000.00
ANALYSIS DATE:	07/30/96	% MOISTURE:	6

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	(DRY BASIS)
1	319-84-6	alpha-BHC	42000 U
2	319-85-7	beta-BHC	42000 U
3	319-86-8	delta-BHC	42000 U
4	58-89-9	gamma-BHC (Lindane)	42000 U
5	76-44-8	Heptachlor	42000 U
6	309-00-2	Aldrin	42000 U
7	1024-57-3	Heptachlor Epoxide	42000 U
8	959-98-8	Endosulfan I	42000 U
9	60-57-1	Dieldrin	42000 U
10	72-55-9	4,4'-DDE	42000 U
11	72-20-8	Endrin	85000 U
12	33213-65-9	Endosulfan II	85000 U
13	72-54-8	4,4'-DDD	490000 D
14	1031-07-8	Endosulfan Sulfate	85000 U
15	50-29-3	4,4'-DDT	62000 D
16	72-43-5	Methoxychlor	420000 U
17	53494-70-5	Endrin Ketone	85000 U
18	7421-93-4	Endrin Aldehyde	85000 U
19	5103-71-9	alpha-Chlordane	42000 U
20	5103-74-2	gamma-Chlordane	42000 U
21	8001-35-2	Toxaphene	850000 U
~~22~~	~~12674-11-2~~	~~Aroclor-1016~~	~~420000 U~~
23	11104-28-2	Aroclor-1221	420000 U
24	11141-16-5	Aroclor-1232	420000 U
25	53469-21-9	Aroclor-1242	420000 U
26	12672-29-6	Aroclor-1248	420000 U
27	11097-69-1	Aroclor-1254	420000 U
28	11096-82-5	Aroclor-1260	420000 U

MC 7/31/96

8080 - FORM 1

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL | SAMPLE ID:FD2

CONC. LEVEL: LOW | LAB SAMPLE ID:2784701

EXTRACTION DATE: 6/7/96 | DIL FACTOR: 1.00

ANALYSIS DATE: 7/13/96 | % MOISTURE: 7

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG (DRY BASIS)
1	319-84-6	alpha-BHC	9 U
2	319-85-7	beta-BHC	9 U
3	319-86-8	delta-BHC	9
4	58-89-9	gamma-BHC (Lindane)	9 U
5	76-44-8	Heptachlor	9 U
6	309-00-2	Aldrin	9 U
7	1024-57-3	Heptachlor Epoxide	9 U
8	959-98-8	Endosulfan I	9 U
9	60-57-1	Dieldrin	17 U
10	72-55-9	4,4'-DDE	94
11	72-20-8	Endrin	28
12	33213-65-9	Endosulfan II	17 U
13	72-54-8	4,4'-DDD	800 E
14	1031-07-8	Endosulfan Sulfate	17 U
15	50-29-3	4,4'-DDT	1800 E
16	72-43-5	Methoxychlor	4500 ~~86 U~~ E
17	53494-70-5	Endrin Ketone	17 U
18	7421-93-4	Endrin Aldehyde	11 J
19	5103-71-9	alpha-Chlordane	5 J
20	5103-74-2	gamma-Chlordane	49
21	8001-35-2	Toxaphene	170 U
~~22~~	~~12674-11-2~~	~~Aroclor-1016~~	~~86 U~~
23	11104-28-2	Aroclor-1221	86 U
24	11141-16-5	Aroclor-1232	86 U
25	53469-21-9	Aroclor-1242	86 U
26	12672-29-6	Aroclor-1248	86 U
27	11097-69-1	Aroclor-1254	86 U
28	11096-82-5	Aroclor-1260	86 U

RE 7/31/96

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RE 7/31/96

8080 - FORM 1

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	FD2DL
CONC. LEVEL:	LOW	LAB SAMPLE ID:	2784701DL
EXTRACTION DATE:	6/7/96	DIL FACTOR:	500.00
ANALYSIS DATE:	7/13/96	% MOISTURE:	7

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG (DRY BASIS)
1	319-84-6	alpha-BHC	4301 U
2	319-85-7	beta-BHC	4301 U
3	319-86-8	delta-BHC	4301 U
4	58-89-9	gamma-BHC (Lindane)	4301 U
5	76-44-8	Heptachlor	4301 U
6	309-00-2	Aldrin	4301 U
7	1024-57-3	Heptachlor Epoxide	4301 U
8	959-98-8	Endosulfan I	4301 U
9	60-57-1	Dieldrin	8602 U
10	72-55-9	4,4'-DDE	8602 U
11	72-20-8	Endrin	8602 U
12	33213-65-9	Endosulfan II	8602 U
13	72-54-8	4,4'-DDD	4000 J
14	1031-07-8	Endosulfan Sulfate	8602 U
15	50-29-3	4,4'-DDT	8602 U
16	72-43-5	Methoxychlor	13000 D
17	53494-70-5	Endrin Ketone	7600 J
18	7421-93-4	Endrin Aldehyde	8602 U
19	5103-71-9	alpha-Chlordane	4301 U
20	5103-74-2	gamma-Chlordane	4301 U
21	8001-35-2	Toxaphene	86022
~~22~~	~~12674-11-2~~	~~Aroclor-1016~~	~~43011 U~~
23	11104-28-2	Aroclor-1221	43011 U
24	11141-16-5	Aroclor-1232	43011 U
25	53469-21-9	Aroclor-1242	43011 U
26	12672-29-6	Aroclor-1248	43011 U
27	11097-69-1	Aroclor-1254	43011 U
28	11096-82-5	Aroclor-1260	43011 U

8080 - FORM 1

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	CF5
CONC. LEVEL:	LOW	LAB SAMPLE ID:	2764702
EXTRACTION DATE	6/7/96	DIL FACTOR:	1.00
ANALYSIS DATE:	7/13/96	% MOISTURE:	6

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG (DRY BASIS)
1	319-84-6	alpha-BHC	9 U
2	319-85-7	beta-BHC	9 U
3	319-86-8	delta-BHC	9 U
4	58-89-9	gamma-BHC (Lindane)	9 U
5	76-44-8	Heptachlor	9 U
6	309-00-2	Aldrin	9 U
7	1024-57-3	Heptachlor Epoxide	9 U
8	959-98-8	Endosulfan I	9 U
9	60-57-1	Dieldrin	17 U
10	72-55-9	4,4'-DDE	17 U
11	72-20-8	Endrin	17 U
12	33213-65-9	Endosulfan II	17 U
13	72-54-8	4,4'-DDD	7.8 J
14	1031-07-8	Endosulfan Sulfate	17 U
15	50-29-3	4,4'-DDT	12 J
16	72-43-5	Methoxychlor	85 U
17	53494-70-5	Endrin Ketone	17 U
18	7421-93-4	Endrin Aldehyde	17 U
19	5103-71-9	alpha-Chlordane	9 U
20	5103-74-2	gamma-Chlordane	9 U
21	8001-35-2	Toxaphene	170 U
~~22~~	~~12674-11-2~~	~~Aroclor-1016~~	~~85 U~~
23	11104-28-2	Aroclor-1221	85 U
24	11141-16-5	Aroclor-1232	85 U
25	53469-21-9	Aroclor-1242	85 U
26	12672-29-6	Aroclor-1248	85 U
27	11097-69-1	Aroclor-1254	85 U
28	11096-82-5	Aroclor-1260	85 U

MC 7/13/96

8080 - FORM 1

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	WF2
CONC. LEVEL:	LOW	LAB SAMPLE ID:	2784703
EXTRACTION DATE:	6/7/96	DIL FACTOR:	1.00
ANALYSIS DATE:	7/13/96	% MOISTURE:	8

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG (DRY BASIS)
1	319-84-6	alpha-BHC	9 U
2	319-85-7	beta-BHC	9 U
3	319-86-8	delta-BHC	9 U
4	58-89-9	gamma-BHC (Lindane)	9 U
5	76-44-8	Heptachlor	9 U
6	309-00-2	Aldrin	9 U
7	1024-57-3	Heptachlor Epoxide	9 U
8	959-98-8	Endosulfan I	9 U
9	60-57-1	Dieldrin	17 U
10	72-55-9	4,4'-DDE	17 U
11	72-20-8	Endrin	17 U
12	33213-65-9	Endosulfan II	17 U
13	72-54-8	4,4'-DDD	17 U
14	1031-07-8	Endosulfan Sulfate	17 U
15	50-29-3	4,4'-DDT	17 U
16	72-43-5	Methoxychlor	87 U
17	53494-70-5	Endrin Ketone	17 U
18	7421-93-4	Endrin Aldehyde	17 U
19	5103-71-9	alpha-Chlordane	9 U
20	5103-74-2	gamma-Chlordane	9 U
21	8001-35-2	Toxaphene	170 U
~~22~~	~~12674-11-2~~	~~Aroclor-1016~~	~~87 U~~
23	11104-28-2	Aroclor-1221	87 U
24	11141-16-5	Aroclor-1232	87 U
25	53469-21-9	Aroclor-1242	87 U
26	12672-29-6	Aroclor-1248	87 U
27	11097-69-1	Aroclor-1254	87 U
28	11096-82-5	Aroclor-1260	87 U

7/31/96

Form II

GC VOA - FORM 2

NYTEST ENVIRONMENTAL INC.

GC VOLATILE SURROGATE RECOVERY

LOGIN # : 27837, 27847

MATRIX : WATER

		<<<<<< HECD >>>>>>		<<<<<< PID >>>>>>	
	SAMPLE ID	DCB % RECOVERY	BFB % RECOVERY	TFT % RECOVERY	BFB % RECOVERY	SURR OUT
01	FIELDB	78 OK	108 OK	NA	NA	0
02	TRIPBL	85 OK	106 OK	NA	NA	0
03	TB604	85 OK	92 OK	NA	NA	0
04	FB604	87 OK	101 OK	NA	NA	0
05	VBLK12	70 OK	71 OK	NA	NA	0
06	VBLK56	73 OK	111 OK	NA	NA	0
07	VBLK62	93 OK	102 OK	NA	NA	0
08						
09						
10						
11						
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18						
19						
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21						
22						
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24						
25						
26						
27						
28						
29						

			QC LIMITS
HALL:	1,4-Dichlorobutane	(DCB)	70 - 125
	Bromofluorobenzene	(BFB)	40 - 120
PID:	a,a,a-Trifluorotoluene	(TFT)	40 - 125
	Bromofluorobenzene	(BFB)	60 - 120

* RECOVERY OUTSIDE QC LIMITS

I MATRIX INTERFERENCE

D RECOVERY DILUTED OUT

HECD - Electrolytic Conductivity Dectector

PID - Photoionization Detector

GC VOA - FORM 2

NYTEST ENVIRONMENTAL INC.

GC VOLATILE SURROGATE RECOVERY

LOGIN # : 27837, 27847

MATRIX : SOIL

		<<<<<< HECD >>>>>>		<<<<<< PID >>>>>>		
	SAMPLE ID	DCB % RECOVERY	BFB % RECOVERY	TFT % RECOVERY	BFB % RECOVERY	SURR OUT
01	1B5	93 OK	117 OK	NA	NA	0
02	1B5DL	96 OK	110 OK	NA	NA	0
03	1E5	84 OK	121 OK	NA	NA	0
04	3A4	89 OK	115 OK	NA	NA	0
05	3C1	81 OK	112 OK	NA	NA	0
06	3C1DL	90 OK	102 OK	NA	NA	0
07	1D1	69 OK	76 OK	NA	NA	0
08	3D1	70 OK	64 OK	NA	NA	0
09	2F1	72 OK	76 OK	NA	NA	0
10	2A1	85 OK	98 OK	NA	NA	0
11	2A1DL	90 OK	99 OK	NA	NA	0
12	FD2	84 OK	118 OK	NA	NA	0
13	FD2DL	94 OK	107 OK	NA	NA	0
14	CF5	71 OK	125 OK	NA	NA	0
15	CF5DL	90 OK	109 OK	NA	NA	0
16	WF2	75 OK	94 OK	NA	NA	0
17	WF2DUP	78 OK	86 OK	NA	NA	0
18	MSB	98 OK	97 OK	NA	NA	0
19	1B5MS	91 OK	115 OK	NA	NA	0
20	1B5MSD	93 OK	120 OK	NA	NA	0
21	VBLK57	99 OK	108 OK	NA	NA	0
22	VBLK59	84 OK	82 OK	NA	NA	0
23	VBLK61	88 OK	90 OK	NA	NA	0
24						
25						
26						
27						
28						
29						

			QC LIMITS
HALL:	1,4-Dichlorobutane	(DCB)	50 - 150
	Bromofluorobenzene	(BFB)	40 - 150
PID:	a,a,a-Trifluorotoluene	(TFT)	45 - 150
	Bromofluorobenzene	(BFB)	50 - 150

* RECOVERY OUTSIDE QC LIMITS

I MATRIX INTERFERENCE

D RECOVERY DILUTED OUT

HECD - Electrolytic Conductivity Dectector

PID - Photoionization Detector

SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: NYTEST ENV INC. Contract: 9622574

Lab Code: NYTEST Case No.: 27847 SAS No.: SDG No.: MUN1S

Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	SBLK02	69	74	63	60					0
02	FD2	85	80	64	68					0
03	CF5	54	67	62	41					0
04	WF2	62	72	65	57					0
05	FD2DL	82D	81D	60D	66D					0
06										
07										
08										
09										
10										
11										
12										
13										
14										
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23										
24										
25										
26										
27										
28										
29										
30										

		QC LIMITS
S1 (NBZ)	= Nitrobenzene-d5	(23-120)
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)
S3 (TPH)	= Terphenyl-d14	(18-137)
S4	= 1,2-Dichlorobenzene-d4	(20-130)
S5	= N/A	
S6	= N/A	
S7	= N/A	
S8	= N/A	

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

8080 - FORM 2

NYTEST ENVIRONMENTAL INC.

PCB SURROGATE RECOVERY

LOGIN # : 28237 28254

MATRIX : WATER

		<<<<<<<<<<<< PCB >>>>>>>>>>>>				
	SAMPLE ID	TCX % RECOVERY		DCB % RECOVERY		SURR. OUT
01	1B5	0	D	0	D	
02	1B5DL	0	D	0	D	
03	1B5MS	125	OK	206	*	1
04	1B5MSD	250	*	220	*	2
05	1D1	78	OK	96	OK	0
06	1D1DL	0	D	0	D	
07	1E5	104	OK	118	OK	0
08	1E5DL	100	OK	130	OK	0
09	2A1	0	D	0	D	
10	2A1DL	0	D	0	D	
11	2F1	98	OK	131	OK	0
12	3A4	62	OK	95	OK	0
13	3A4DL		D	0	D	
14	3C1	89	OK	114	OK	0
15	3C1DL	80	OK	104	OK	0
16	3D1	86	OK	80	OK	0
17	3D1DL	0	D	0	D	
18	CF5	108	OK	126	OK	0
19	FD2	97	OK	144	*	1
20	FD2DL	0	D	0	D	
21	MSB	89	OK	116	OK	0
22	PBLK01	103	OK	121	OK	0
23	WF2	109	OK	137	OK	0
24						
25						
26						
27						
28						
29						

ADVISORY QC LIMITS		
Tetrachloroxylene	(TCX)	60 - 120
Decachlorobiphenyl	(DCB)	50 - 140

* RECOVERY OUTSIDE ADVISORY QC LIMITS

I MATRIX INTERFERENCE

D RECOVERY DILUTED OUT

Form III

GC VOA - FORM 3 B

NYTEST ENVIRONMENTAL INC.

VOLATILE MATRIX SPIKE BLANK RECOVERY

LOGIN # : 27837, 27847 MATRIX : SOIL

	COMPOUND	SPIKE ADDED (ug/kg)	BLANK CONC.	MSB CONCENTRATION	MSB % REC	QC LIMITS
SAMPLE ID	1,1-Dichloroethene	50.00	0.00	54.87	110 OK	61 - 145
MSB	Trichloroethene	50.00	0.00	49.19	98 OK	71 - 120
NYTEST ID	Benzene	50.00	0.00	41.59	83 OK	76 - 127
28025	Toluene	50.00	0.00	41.42	83 OK	76 - 125
	Chlorobenzene	50.00	0.00	41.46	83 OK	75 - 130

* Values outside of the QC limits.

OF VOA % RECOVERIES 0 OF 5
OUTSIDE QC LIMITS : ---

GC VOA - FORM 3

NYTEST ENVIRONMENTAL INC.

VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

LOGIN # : 27837, 27847

MATRIX: SOIL

									QC LIMITS	
	COMPOUND	CONC. SPIKE ADDED(ug/kg)	SAMPLE RESULT	CONC. MS	% RECOVERY	CONC. MSD	% RECOVERY	RPD	RPD	RECOVERY
SAMPLE ID	1,1-Dichloroethene	55.56	0.00	53.50	96 OK	61.08	110 OK	13 OK	16	15 -160
	Trichloroethene	55.56	0.00	48.64	88 OK	55.40	100 OK	13 OK	40	50 -115
NYTEST ID	Benzene	55.56	0.00	41.41	75 OK	48.26	87 OK	15 OK	18	60 -125
2802502	Toluene	55.56	0.00	39.83	72 OK	46.12	83 OK	15 OK	17	25 -175
2802503	Chlorobenzene	55.56	0.00	38.21	69 OK	44.06	79 OK	14 OK	15	45 -135

OF VOA % REC OUTSIDE ADVISORY QC LIMITS: 0 OF 10

OF VOA RPD VALUES OUTSIDE ADVISORY QC LIMITS: 0 OF 5

GC VOA - FORM 3 B
NYTEST ENVIRONMENTAL INC.

VOLATILE MATRIX SPIKE BLANK RECOVERY

LOGIN # : 27837, 27847 MATRIX : SOIL (MED)

	COMPOUND	SPIKE ADDED (ug/kg)	BLANK CONC.	MSB CONCENTRATION	MSB % REC	QC LIMITS
SAMPLE ID	1,1-Dichloroethene	6250	0	7472	120 OK	61 - 145
MSB	Trichloroethene	6250	0	6435	103 OK	71 - 120
NYTEST ID	Benzene	6250	0	5777	92 OK	76 - 127
27837	Toluene	6250	0	5714	91 OK	76 - 125
	Chlorobenzene	6250	0	6699	107 OK	75 - 130

* Values outside of the QC limits.

OF VOA % RECOVERIES 0 OF 5
OUTSIDE QC LIMITS : ---

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GC VOA - FORM 3

NYTEST ENVIRONMENTAL INC.

VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

LOGIN # : 27837, 27847

MATRIX: SOIL (MED)

									QC LIMITS	
	COMPOUND	CONC. SPIKE ADDED(ug/kg)	SAMPLE RESULT	CONC. MS	% RECOVERY	CONC. MSD	% RECOVERY	RPD	RPD	RECOVERY
SAMPLE ID	1,1-Dichloroethene	65789	0	78295	119 OK	76812	117 OK	2 OK	16	15 -160
1B5	Trichloroethene	65789	25307	87830	95 OK	84829	90 OK	5 OK	40	50 -115
NYTEST ID	Benzene	65789	0	60449	92 OK	59310	90 OK	2 OK	18	60 -125
2783702	Toluene	65789	0	59291	90 OK	58502	89 OK	1 OK	17	25 -175
2783703	Chlorobenzene	65789	0	70467	107 OK	69187	105 OK	2 OK	15	45 -135

OF VOA % REC OUTSIDE ADVISORY QC LIMITS: 0 OF 10

OF VOA RPD VALUES OUTSIDE ADVISORY QC LIMITS: 0 OF 5

Spike Recovery and RPD Summary Report - SOIL

Method : C:\HPCHEM\1\METHODS\8270Q.M
Title : 390/ASP/SW846
Last Update : Mon Jun 17 18:11:48 1996
Response via : Continuing Calibration

Non-Spiked Sample: Q1824.D

	Spike Sample	Spike Duplicate Sample
File ID :	Q1845.D	Q1845.D
Sample :	27767MSB,MSB,	27767MSB,MSB,
Acq Time:	16 Jun 96 14:22 pm	16 Jun 96 14:22 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Phenol	0.6	75	57	57	75	75	0	35	26- 90
2-Chlorophenol	0.1	75	52	52	69	69	0	50	25-102
1,4-Dichlorobenzene	0.0	50	37	37	74	74	0	27	28-104
N-Nitroso-di-n-propy	0.2	50	26	26	51	51	0	38	41-126
1,2,4-Trichlorobenze	0.0	50	33	33	66	66	0	23	38-107
4-Chloro-3-Methylphe	0.7	75	64	64	84	84	0	33	26-103
Acenaphthene	0.0	50	36	36	71	71	0	19	31-137
4-Nitrophenol	0.3	75	110	110	147#	147#	0	50	11-114
2,4-Dinitrotoluene	0.1	50	35	35	70	70	0	47	28- 89
Pentachlorophenol	0.0	75	54	54	73	73	0	47	17-109
Pyrene	0.1	50	37	37	73	73	0	36	35-142

8270Q.M Tue Jun 18 00:18:13 1996 HPPC

Extracted June 3rd 1996

Spike Recovery and RPD Summary Report - SOIL

Method : C:\HPCHEM\1\METHODS\8270Q.M
Title : 390/ASP/SW846
Last Update : Mon Jun 17 18:11:48 1996
Response via : Continuing Calibration

Non-Spiked Sample: Q1840.D

	Spike Sample	Spike Duplicate Sample
File ID :	Q1841.D	Q1842.D
Sample :	2776702,BB61NMS,	2776703,BB61NMSD,
Acq Time:	16 Jun 96 12:12 pm	16 Jun 96 12:45 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Phenol	0.6	75	63	37	83	49	51#	35	26- 90
2-Chlorophenol	0.3	75	55	33	73	44	50	50	25-102
1,4-Dichlorobenzene	0.0	50	37	23	74	46	46#	27	28-104
N-Nitroso-di-n-propy	0.0	50	33	19	65	38#	54#	38	41-126
1,2,4-Trichlorobenze	0.0	50	37	26	74	51	36#	23	38-107
4-Chloro-3-Methylphe	0.1	75	64	44	85	58	38#	33	26-103
Acenaphthene	0.2	50	40	28	80	56	36#	19	31-137
4-Nitrophenol	0.5	75	111	55	148#	73	68#	50	11-114
2,4-Dinitrotoluene	0.0	50	37	25	74	50	39	47	28- 89
Pentachlorophenol	0.0	75	26	13	35	17	69#	47	17-109
Pyrene	0.7	50	36	25	71	48	39#	36	35-142

8270Q.M Tue Jun 18 00:19:15 1996 HPPC

Extracted 6/3/96

TCLP PEST - FORM 3B

NYTEST ENVIRONMENTAL INC.

TCLP PESTICIDE MATRIX SPIKE BLANK RECOVERY

LOGIN # : 27837 MATRIX : SOIL

						QC LIMITS
	COMPOUND	CONC. SPIKE ADDED (ug/l)	BLANK RESULT	CONC. MSB	% RECOVERY	RECOVERY
	gamma-BHC (Lindane)	26.67		34.66	130 OK	15 - 160
SAMPLE ID	Heptachlor	26.67		27.26	102 OK	15 - 160
MSB	Aldrin	26.67		24.96	94 OK	50 - 115
NYTEST ID	Dieldrin	66.67		78.02	117 OK	25 - 175
27837	Endrin	66.67		77.26	116 OK	45 - 135
	4,4'-DDT	66.67		76.27	114 OK	45 - 135

OF RECOVERIES 0 OF 7
OUTSIDE QC LIMITS : ___

8080 - FORM 3

NYTEST ENVIRONMENTAL INC.

PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

LOGIN # : 27837 MATRIX: SOIL

	COMPOUND	CONC. SPIKE ADDED(ug/kg)	SAMPLE RESULT	CONC. MS	% RECOVERY	CONC. MSD	% RECOVERY	RPD	QC LIMITS RPD	QC LIMITS RECOVERY
	gamma - BHC (Lindane)	28.00	0.00	21.00	75 OK	43.00	154 *	69 *	50	46 -127
SAMPLE ID	Heptachlor	28.00	0.00	20.00	71 OK	32.00	114 OK	46 *	31	35 -130
	Aldrin	28.00	0.00	18.00	64 OK	22.00	79 OK	20 OK	43	34 -132
NYTEST ID	Dieldrin	70.00							38	31 -134
	Endrin	70.00							45	42 -139
	4,4' - DDT	70.00							50	23 -134

OF PEST % REC OUTSIDE ADVISORY QC LIMITS: 1 OF 12

OF PEST RPD OUTSIDE ADVISORY QC LIMITS: 2 OF 6

Form IV

METHOD BLANK SUMMARY FORM 4

NYTEST ENVIRONMENTAL INC.

Instrument ID : HP 9 Matrix : (Water/Soil) : SOIL

GC Column : DB-624 Level : (Low/Med) : LOW

The Method Blank listed below applies to the following sample(s), MS, MSD:

Sample ID	Lab ID	File Number	Date of Injection	Time of Injection	BFB (SURR) RT (reference)
VBLK57 (H)	VBLK57 (H)	924h075.rst	6/10/96	13:42	24.32
1E5	2783704	924h080.rst	6/10/96	19:24	24.33
3A4	2783705	924h081.rst	6/10/96	20:17	24.32
3C1	2783706	924h082.rst	6/10/96	21:11	24.31
1D1	2783707	924h083.rst	6/10/96	22:05	24.31
3D1	2783708	924h084.rst	6/10/96	22:59	24.32
2F1	2783709	924h086.rst	6/11/96	00:46	24.31
CF5	2784702	924h089.rst	6/11/96	03:28	24.31
WF2	2784703	924h090.rst	6/11/96	04:22	24.31
WF2DUP	2784704	924h091.rst	6/11/96	05:16	24.31

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL | SAMPLE ID: VBLK57

CONC. LEVEL: LOW | LAB ID: VBLK57

DATE RECEIVED: NA | DIL FACTOR: 1.00

DATE ANALYZED: 06/10/96 | % MOISTURE: NA

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG (DRY BASIS)
1	74-87-3	Chloromethane	1.0 U
2	74-83-9	Bromomethane	1.0 U
3	75-01-4	Vinyl Chloride	1.0 U
4	75-00-3	Chloroethane	1.0 U
5	75-09-2	Methylene Chloride	3.6
6	75-35-4	1,1-Dichloroethene	1.0 U
7	75-34-3	1,1-Dichloroethane	1.0 U
8	156-60-5	trans-1,2-Dichloroethene	1.0 U
9	67-66-3	Chloroform	1.0 U
10	107-06-2	1,2-Dichloroethane	1.0 U
11	71-55-6	1,1,1-Trichloroethane	1.0 U
12	56-23-5	Carbon Tetrachloride	1.0 U
13	75-27-4	Bromodichloromethane	1.0 U
14	78-87-5	1,2-Dichloropropane	1.0 U
15	10061-01-5	cis-1,3-Dichloropropene	1.0 U
16	79-01-6	Trichloroethene	1.0 U
17	124-48-1	Dibromochloromethane	1.0 U
18	79-00-5	1,1,2-Trichloroethane	1.0 U
19	10061-02-6	trans-1,3-Dichloropropene	1.0 U
20	127-18-4	Tetrachloroethene	1.0 U
21	79-34-5	1,1,2,2-Tetrachloroethane	1.0 U
22	108-90-7	Chlorobenzene	1.0 U
23	75-71-8	Dichlorodifluoromethane	1.0 U
24	75-69-4	Trichlorofluoromethane	1.0 U
25	95-50-1	1,2-Dichlorobenzene	1.0 U
26	541-73-1	1,3-Dichlorobenzene	1.0 U
27	106-46-7	1,4-Dichlorobenzene	1.0 U
28	75-25-2	Bromoform	1.0 U

METHOD BLANK SUMMARY FORM 4

NYTEST ENVIRONMENTAL INC.

Instrument ID : HP 9 Matrix : (Water/Soil) : SOIL

GC Column : DB-624 Level : (Low/Med) : MED

The Method Blank listed below applies to the following sample(s), MS, MSD:

Sample ID	Lab ID	File Number	Date of Injection	Time of Injection	BFB (SURR) RT (reference)
VBLK59	VBLK59-MeOH	924h102.rst	6/11/96	21:07	24.32
MSB	27837MSB	924h103.rst	6/11/96	22:03	24.33
1B5	2783701 MED 1:10	924h104.rst	6/11/96	22:59	24.31
1B5MS	2783702 MED 1:10	924h105.rst	6/11/96	23:55	24.31
1B5MSD	2783703 MED 1:10	924h106.rst	6/12/96	00:51	24.31
3C1 DL	2783706 MED	924h108.rst	6/12/96	02:43	24.32
2A1	2783710 MED 1:10	924h109.rst	6/12/96	03:38	24.31
FD2	2784701 MED 1:10	924h111.rst	6/12/96	05:30	24.31
CF5 DL	2784702 MED	924h112.rst	6/12/96	06:26	24.32

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL | SAMPLE ID: VBLK59

CONC. LEVEL: MED | LAB ID: VBLK59

DATE RECEIVED: NA | DIL FACTOR: 1.00

DATE ANALYZED: 06/11/96 | % MOISTURE: NA

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG (DRY BASIS)
1	74-87-3	Chloromethane	130.0 U
2	74-83-9	Bromomethane	130.0 U
3	75-01-4	Vinyl Chloride	130.0 U
4	75-00-3	Chloroethane	130.0 U
5	75-09-2	Methylene Chloride	280.0
6	75-35-4	1,1-Dichloroethene	130.0 U
7	75-34-3	1,1-Dichloroethane	130.0 U
8	156-60-5	trans-1,2-Dichloroethene	130.0 U
9	67-66-3	Chloroform	130.0 U
10	107-06-2	1,2-Dichloroethane	130.0 U
11	71-55-6	1,1,1-Trichloroethane	130.0 U
12	56-23-5	Carbon Tetrachloride	130.0 U
13	75-27-4	Bromodichloromethane	130.0 U
14	78-87-5	1,2-Dichloropropane	130.0 U
15	10061-01-5	cis-1,3-Dichloropropene	130.0 U
16	79-01-6	Trichloroethene	130.0 U
17	124-48-1	Dibromochloromethane	130.0 U
18	79-00-5	1,1,2-Trichloroethane	130.0 U
19	10061-02-6	trans-1,3-Dichloropropene	130.0 U
20	127-18-4	Tetrachloroethene	130.0 U
21	79-34-5	1,1,2,2-Tetrachloroethane	130.0 U
22	108-90-7	Chlorobenzene	130.0 U
23	75-71-8	Dichlorodifluoromethane	130.0 U
24	75-69-4	Trichlorofluoromethane	130.0 U
25	95-50-1	1,2-Dichlorobenzene	130.0 U
26	541-73-1	1,3-Dichlorobenzene	130.0 U
27	106-46-7	1,4-Dichlorobenzene	130.0 U
28	75-25-2	Bromoform	130.0 U

METHOD BLANK SUMMARY FORM 4

NYTEST ENVIRONMENTAL INC.

Instrument ID : HP 9 Matrix : (Water/Soil) : SOIL

GC Column : DB-624 Level : (Low/Med) : MED

The Method Blank listed below applies to the following sample(s), MS, MSD:

Sample ID	Lab ID	File Number	Date of Injection	Time of Injection	BFB (SURR) RT (reference)
VBLK61	VBLK61-MeOH	924h118.rst	6/12/96	18:48	24.32
1B5 DL	2783701MED125000	924h122.rst	6/12/96	22:32	24.31
2A1 DL	2783710MED125000	924h125.rst	6/13/96	01:20	24.31
FD2 DL	2784701MED125000	924h128.rst	6/13/96	04:08	24.31

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL | SAMPLE ID: VBLK61

CONC. LEVEL: MED | LAB ID: VBLK61

DATE RECEIVED: NA | DIL FACTOR: 1.00

DATE ANALYZED: 06/12/96 | % MOISTURE: NA

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG (DRY BASIS)
1	74-87-3	Chloromethane	130.0 U
2	74-83-9	Bromomethane	130.0 U
3	75-01-4	Vinyl Chloride	130.0 U
4	75-00-3	Chloroethane	130.0 U
5	75-09-2	Methylene Chloride	340.0
6	75-35-4	1,1-Dichloroethene	130.0 U
7	75-34-3	1,1-Dichloroethane	130.0 U
8	156-60-5	trans-1,2-Dichloroethene	130.0 U
9	67-66-3	Chloroform	130.0 U
10	107-06-2	1,2-Dichloroethane	130.0 U
11	71-55-6	1,1,1-Trichloroethane	130.0 U
12	56-23-5	Carbon Tetrachloride	130.0 U
13	75-27-4	Bromodichloromethane	130.0 U
14	78-87-5	1,2-Dichloropropane	130.0 U
15	10061-01-5	cis-1,3-Dichloropropene	130.0 U
16	79-01-6	Trichloroethene	130.0 U
17	124-48-1	Dibromochloromethane	130.0 U
18	79-00-5	1,1,2-Trichloroethane	130.0 U
19	10061-02-6	trans-1,3-Dichloropropene	130.0 U
20	127-18-4	Tetrachloroethene	130.0 U
21	79-34-5	1,1,2,2-Tetrachloroethane	130.0 U
22	108-90-7	Chlorobenzene	130.0 U
23	75-71-8	Dichlorodifluoromethane	130.0 U
24	75-69-4	Trichlorofluoromethane	130.0 U
25	95-50-1	1,2-Dichlorobenzene	130.0 U
26	541-73-1	1,3-Dichlorobenzene	130.0 U
27	106-46-7	1,4-Dichlorobenzene	130.0 U
28	75-25-2	Bromoform	130.0 U

METHOD BLANK SUMMARY FORM 4

NYTEST ENVIRONMENTAL INC.

Instrument ID : HP 9 Matrix : (Water/Soil) : WATER

GC Column : DB-624 Level : (Low/Med) : Low

The Method Blank listed below applies to the following sample(s), MS, MSD:

Sample ID	Lab ID	File Number	Date of Injection	Time of Injection	BFB (SURR) RT (reference)
VBLK62	VBLK62	924h133.rst	6/13/96	16:34	24.31
FB604	2784706	924h134.rst	6/13/96	17:31	24.31

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER
CONC. LEVEL: LOW
DATE RECEIVED: NA
DATE ANALYZED: 06/13/96

SAMPLE ID: VBLK62
LAB ID: VBLK62
DIL FACTOR: 1.00
% MOISTURE: NA

UG/L

CMPD #	CAS Number	VOLATILE COMPOUNDS	
1	74-87-3	Chloromethane	1.0 U
2	74-83-9	Bromomethane	1.0 U
3	75-01-4	Vinyl Chloride	1.0 U
4	75-00-3	Chloroethane	1.0 U
5	75-09-2	Methylene Chloride	1.7
6	75-35-4	1,1-Dichloroethene	1.0 U
7	75-34-3	1,1-Dichloroethane	1.0 U
8	156-60-5	trans-1,2-Dichloroethene	1.0 U
9	67-66-3	Chloroform	1.0 U
10	107-06-2	1,2-Dichloroethane	1.0 U
11	71-55-6	1,1,1-Trichloroethane	1.0 U
12	56-23-5	Carbon Tetrachloride	1.0 U
13	75-27-4	Bromodichloromethane	1.0 U
14	78-87-5	1,2-Dichloropropane	1.0 U
15	10061-01-5	cis-1,3-Dichloropropene	1.0 U
16	79-01-6	Trichloroethene	1.0 U
17	124-48-1	Dibromochloromethane	1.0 U
18	79-00-5	1,1,2-Trichloroethane	1.0 U
19	10061-02-6	trans-1,3-Dichloropropene	1.0 U
20	127-18-4	Tetrachloroethene	1.0 U
21	79-34-5	1,1,2,2-Tetrachloroethane	1.0 U
22	108-90-7	Chlorobenzene	1.0 U
23	75-71-8	Dichlorodifluoromethane	1.0 U
24	75-69-4	Trichlorofluoromethane	1.0 U
25	95-50-1	1,2-Dichlorobenzene	1.0 U
26	541-73-1	1,3-Dichlorobenzene	1.0 U
27	106-46-7	1,4-Dichlorobenzene	1.0 U
28	75-25-2	Bromoform	1.0 U

METHOD BLANK SUMMARY

NYTEST ENVIRONMENTAL INC.

INSTRUMENT ID: HP5 MATRIX : (WATER/SOIL) : WATER

GC COLUMN : RTX-1 LEVEL : (LOW/MED) : LOW

The Method Blank listed below applies to the following sample(s), MS, MSD:

Client ID	Lab ID	File Number	Date Of Injection	Time Of Injection	BFB RT (reference)
	VBLK12	520H059.rst	6/7/96	14:32	35.07
TB604	2784705	520H068.rst	6/8/96	02:03	35.06

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER
CONC. LEVEL: LOW
DATE RECEIVED: NA
DATE ANALYZED: 06/07/96

SAMPLE ID: VBLK12
LAB ID: VBLK12
DIL FACTOR: 1.00
% MOISTURE: NA

UG/L

CMPD #	CAS Number	VOLATILE COMPOUNDS	
1	74-87-3	Chloromethane	1.0 U
2	74-83-9	Bromomethane	1.0 U
3	75-01-4	Vinyl Chloride	1.0 U
4	75-00-3	Chloroethane	1.0 U
5	75-09-2	Methylene Chloride	1.0 U
6	75-35-4	1,1-Dichloroethene	1.0 U
7	75-34-3	1,1-Dichloroethane	1.0 U
8	156-60-5	trans-1,2-Dichloroethene	1.0 U
9	67-66-3	Chloroform	1.0 U
10	107-06-2	1,2-Dichloroethane	1.0 U
11	71-55-6	1,1,1-Trichloroethane	1.0 U
12	56-23-5	Carbon Tetrachloride	1.0 U
13	75-27-4	Bromodichloromethane	1.0 U
14	78-87-5	1,2-Dichloropropane	1.0 U
15	10061-01-5	cis-1,3-Dichloropropene	1.0 U
16	79-01-6	Trichloroethene	1.0 U
17	124-48-1	Dibromochloromethane	1.0 U
18	79-00-5	1,1,2-Trichloroethane	1.0 U
19	10061-02-6	trans-1,3-Dichloropropene	1.0 U
20	127-18-4	Tetrachloroethene	1.0 U
21	79-34-5	1,1,2,2-Tetrachloroethane	1.0 U
22	108-90-7	Chlorobenzene	1.0 U
23	75-71-8	Dichlorodifluoromethane	1.0 U
24	75-69-4	Trichlorofluoromethane	1.0 U
25	95-50-1	1,2-Dichlorobenzene	1.0 U
26	541-73-1	1,3-Dichlorobenzene	1.0 U
27	106-46-7	1,4-Dichlorobenzene	1.0 U
28	75-25-2	Bromoform	1.0 U

METHOD BLANK SUMMARY

NYTEST ENVIRONMENTAL INC.

INSTRUMENT ID: PE6 MATRIX : (WATER/SOIL) : WATER

GC COLUMN : RTX-502.2 LEVEL : (LOW/MED) : LOW

The Method Blank listed below applies to the following sample(s), MS, MSD:

Client ID	Lab ID	File Number	Date Of Injection	Time Of Injection	BFB RT (reference)
	VBLK56	816h015.rst	6/5/96	10:40	36.75
IELDB	27837-11	816h016.rst	6/5/96	12:04	36.74
RIPBL	27837-12	816h017.rst	6/5/96	13:28	36.73

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER | SAMPLE ID: VBLK56

CONC. LEVEL: LOW | LAB ID: VBLK56

DATE RECEIVED: NA | DIL FACTOR: 1.00

DATE ANALYZED: 06/05/96 | % MOISTURE: NA

UG/L

CMPD #	CAS Number	VOLATILE COMPOUNDS	
1	74-87-3	Chloromethane	1.0 U
2	74-83-9	Bromomethane	1.0 U
3	75-01-4	Vinyl Chloride	1.0 U
4	75-00-3	Chloroethane	1.0 U
5	75-09-2	Methylene Chloride	2.3
6	75-35-4	1,1-Dichloroethene	1.0 U
7	75-34-3	1,1-Dichloroethane	1.0 U
8	156-60-5	trans-1,2-Dichloroethene	1.0 U
9	67-66-3	Chloroform	1.0 U
10	107-06-2	1,2-Dichloroethane	1.0 U
11	71-55-6	1,1,1-Trichloroethane	1.0 U
12	56-23-5	Carbon Tetrachloride	1.0 U
13	75-27-4	Bromodichloromethane	1.0 U
14	78-87-5	1,2-Dichloropropane	1.0 U
15	10061-01-5	cis-1,3-Dichloropropene	1.0 U
16	79-01-6	Trichloroethene	1.0 U
17	124-48-1	Dibromochloromethane	1.0 U
18	79-00-5	1,1,2-Trichloroethane	1.0 U
19	10061-02-6	trans-1,3-Dichloropropene	1.0 U
20	127-18-4	Tetrachloroethene	1.0 U
21	79-34-5	1,1,2,2-Tetrachloroethane	1.0 U
22	108-90-7	Chlorobenzene	1.0 U
23	75-71-8	Dichlorodifluoromethane	1.0 U
24	75-69-4	Trichlorofluoromethane	1.0 U
25	95-50-1	1,2-Dichlorobenzene	1.0 U
26	541-73-1	1,3-Dichlorobenzene	1.0 U
27	106-46-7	1,4-Dichlorobenzene	1.0 U
28	75-25-2	Bromoform	1.0 U

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK02

Lab Name: NYTEST ENV INC. Contract: 9622574

Lab Code: NYTEST Case No.: 27847 SAS No.: SDG No.: MUN1S

Lab File ID: R1289.D Lab Sample ID: SSB0608B

Date Extracted: 06/08/96 Extraction:(SepF/Cont/Sonc) SONC

Date Analyzed: 06/17/96 Time Analyzed: 1528

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

Instrument ID: HPR

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	FD2	2784701	R1290.D	06/17/96
02	CF5	2784702	R1291.D	06/17/96
03	WF2	2784703	R1292.D	06/17/96
04	FD2DL	2784701	R1293.D	06/17/96
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
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COMMENTS:

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02

Lab Name: NYTEST ENV INC. Contract: 9622574

Lab Code: NYTEST Case No.: 27847 SAS No.: SDG No.: MUN1S

Matrix: (soil/water) SOIL Lab Sample ID: SSB0608B

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R1289.D

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

% Moisture: not dec. 0 dec. Date Extracted: 06/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/17/96

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
111-44-4	bis(2-Chloroethyl)Ether	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	1700	U
83-32-9	Acenaphthene	330	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	1700	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
85-01-8	Phenanthrene	330	U

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02

Lab Name: NYTEST ENV INC. Contract: 9622574

Lab Code: NYTEST Case No.: 27847 SAS No.: SDG No.: MUN1S

Matrix: (soil/water) SOIL Lab Sample ID: SSB0608B

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R1289.D

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

% Moisture: not dec. 0 dec. Date Extracted: 06/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/17/96

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	670	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenz(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02

Lab Name: NYTEST ENV INC. Contract: 9622574

Lab Code: NYTEST Case No.: 27847 SAS No.: SDG No.: MUN1S

Matrix: (soil/water) SOIL Lab Sample ID: SSB0608B

Sample wt/vol: 30.0 (g/mL) G Lab File ID: R1289.D

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

% Moisture: not dec. 0 dec. Date Extracted:06/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/17/96

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

Number TICs found: 10

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.116	56	J
2.		UNKNOWN	3.204	170	J
3.		UNKNOWN	3.290	66	J
4.		UNKNOWN ALDOL	3.377	7400	AJ
5.		UNKNOWN	3.482	1000	J
6.		UNKNOWN	3.534	1000	J
7.		UNKNOWN	3.725	110	J
8.		UNKNOWN	3.986	47	J
9.		UNKNOWN	4.091	39	J
10.		UNKNOWN	17.936	52	J
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12.					
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METHOD BLANK SUMMARY Form 4

NYTEST ENVIRONMENTAL

MATRIX (soil/water): Soil LEVEL (low/med): Low

INSTRUMENT ID: ~~HP1~~ HP2 me 7/31/96 GC COLUMN: DB608 DB1701

EXTRACTION DATE: 6/7/96

The Method Blank listed below applies to the following sample(s), MS, MSD:

me 7/31/96

Client Id.	Lab Id.	File Name	Date Of Injection	Time Of Injection	DCB RT (reference)
BLK01	PSB0607A	228b018.rst	7/13/96	05:14	21.19
E5	2783704	228b024.rst	7/13/96	08:44	21.19
E5DL	2783704 1:10DL	228b020.rst	7/13/96	06:24	21.19
A4	2783705	228b025.rst	7/13/96	09:19	21.18
C1	2783706	228b026.rst	7/13/96	09:54	21.18
C1DL	2783706 1:10DL	228b022.rst	7/13/96	07:34	21.18
D1DL	2783707 1:10DL	228b023.rst	7/13/96	08:09	21.18
D1	2783708	228b041.rst	7/13/96	19:12	21.18
F1	2783709	228b032.rst	7/13/96	13:57	21.16
D2	2784701	228b034.rst	7/13/96	15:07	21.16
F5	2784702	228b035.rst	7/13/96	15:42	21.16
F2	2784703	228b036.rst	7/13/96	16:17	21.17
B5MS	2783702MS	228b039.rst	7/13/96	18:02	21.15
B5MSD	2783703MSD	228b045.rst	7/13/96	21:32	21.16
SB	27837MSB	228b019.rst	7/13/96	05:49	21.18

8080 - FORM 1

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL — SAMPLE ID: PBLK01

CONC. LEVEL: LOW — LAB SAMPLE ID: PSB0607A

EXTRACTION DATE: 6/7/96 — DIL FACTOR: 1.00

ANALYSIS DATE: 7/13/96 — % MOISTURE: NA

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG (DRY BASIS)
1	319-84-6	alpha-BHC	8 U
2	319-85-7	beta-BHC	8 U
3	319-86-8	delta-BHC	8 U
4	58-89-9	gamma-BHC (Lindane)	8 U
5	76-44-8	Heptachlor	8 U
6	309-00-2	Aldrin	8 U
7	1024-57-3	Heptachlor Epoxide	8 U
8	959-98-8	Endosulfan I	8 U
9	60-57-1	Dieldrin	16 U
10	72-55-9	4,4'-DDE	16 U
11	72-20-8	Endrin	16 U
12	33213-65-9	Endosulfan II	16 U
13	72-54-8	4,4'-DDD	16 U
14	1031-07-8	Endosulfan Sulfate	16 U
15	50-29-3	4,4'-DDT	16 U
16	72-43-5	Methoxychlor	80 U
17	53494-70-5	Endrin Ketone	16 U
18	7421-93-4	Endrin Aldehyde	16 U
19	5103-71-9	alpha-Chlordane	8 U
20	5103-74-2	gamma-Chlordane	8 U
21	8001-35-2	Toxaphene	160 U
22	~~12674-11-2~~	~~Aroclor-1016~~	~~80 U~~
23	11104-28-2	Aroclor-1221	80 U
24	11141-16-5	Aroclor-1232	80 U
25	53469-21-9	Aroclor-1242	80 U
26	12672-29-6	Aroclor-1248	80 U
27	11097-69-1	Aroclor-1254	80 U
28	11096-82-5	Aroclor-1260	80 U

JT 7/13/96

METHOD BLANK SUMMARY Form 4

NYTEST ENVIRONMENTAL

MATRIX (soil/water): Soil LEVEL (low/med): Low

INSTRUMENT ID: HP 1 GC COLUMN: DB 608
DB 1701

EXTRACTION DATE: 6/7/96

The Method Blank listed below applies to the following sample(s), MS, MSD:

mc 7/31/96

ient Id.	Lab Id.	File Name	Date Of Injection	Time Of Injection	DCB RT (reference)
.K22	PSB0607A	137b046.rst	7/25/96	22:12	26.45
6DL	2783701 1:500DL	137b086.rst	7/30/96	08:48	-----
5DL	2783701 1:5000DL	137b087.rst	7/30/96	10:52	-----
4DL	2783705 1:100DL	137b081.rst	7/30/96	04:04	-----
1DL	2783707 1:1000DL	137b083.rst	7/30/96	05:57	-----
3DL	2783708 1:30DL	137b082.rst	7/30/96	05:01	26.41
7DL	2783710 1:500DL	137b085.rst	7/30/96	07:51	-----
1DL	2783710 1:5000DL	137b088.rst	7/30/96	11:49	-----
2DL	2784701 1:500DL	137b084.rst	7/30/96	06:54	-----

8080 - FORM 1

NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	PBLK22
CONC. LEVEL:	LOW	LAB SAMPLE ID:	PSB0607A
EXTRACTION DATE:	06/07/96	DIL FACTOR:	1.00
ANALYSIS DATE:	07/13/96	% MOISTURE:	NA

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND	UG/KG (DRY BASIS)
1	319-84-6	alpha-BHC	8 U
2	319-85-7	beta-BHC	8 U
3	319-86-8	delta-BHC	8 U
4	58-89-9	gamma-BHC (Lindane)	8 U
5	76-44-8	Heptachlor	8 U
6	309-00-2	Aldrin	8 U
7	1024-57-3	Heptachlor Epoxide	8 U
8	959-98-8	Endosulfan I	8 U
9	60-57-1	Dieldrin	16 U
10	72-55-9	4,4'-DDE	16 U
11	72-20-8	Endrin	16 U
12	33213-65-9	Endosulfan II	16 U
13	72-54-8	4,4'-DDD	16 U
14	1031-07-8	Endosulfan Sulfate	16 U
15	50-29-3	4,4'-DDT	16 U
16	72-43-5	Methoxychlor	80 U
17	53494-70-5	Endrin Ketone	16 U
18	7421-93-4	Endrin Aldehyde	16 U
19	5103-71-9	alpha-Chlordane	8 U
20	5103-74-2	gamma-Chlordane	8 U
21	8001-35-2	Toxaphene	160 U
22	~~12674-11-2~~	~~Aroclor-1016~~	~~80 U~~
23	11104-28-2	Aroclor-1221	80 U
24	11141-16-5	Aroclor-1232	80 U
25	53469-21-9	Aroclor-1242	80 U
26	12672-29-6	Aroclor-1248	80 U
27	11097-69-1	Aroclor-1254	80 U
28	11096-82-5	Aroclor-1260	80 U

AT. 7/13/96

Form VIII

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NYTEST ENV INC. Contract: 9622574

Lab Code: NYTEST Case No.: 27847 SAS No.: SDG No.: MUN1S

Lab File ID (Standard): R1285.D Date Analyzed: 06/17/96

Instrument ID: HPR Time Analyzed: 1243

		IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
	12 HOUR STD	111763	4.72	352292	6.30	179505	9.34
	UPPER LIMIT	223526	5.22	704584	6.80	359010	9.84
	LOWER LIMIT	55882	4.22	176146	5.80	89752	8.84
	EPA SAMPLE No.						
01	SBLK02	135183	4.70	447607	6.28	225695	9.33
02	FD2	123404	4.70	413649	6.28	209665	9.31
03	CF5	118396	4.70	401428	6.28	199847	9.31
04	WF2	130050	4.70	440263	6.28	216110	9.31
05	FD2DL	113446	4.69	386880	6.29	202103	9.31
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22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NYTEST ENV INC. Contract: 9622574

Lab Code: NYTEST Case No.: 27847 SAS No.: SDG No.: MUN1S

Lab File ID (Standard): R1285.D Date Analyzed: 06/17/96

Instrument ID: HPR Time Analyzed: 1243

		IS4(PHN) AREA #	RT	IS5(CRY) AREA #	RT	IS6(PRY) AREA #	RT
	12 HOUR STD	272880	12.27	315230	17.80	385607	21.81
	UPPER LIMIT	545760	12.77	630460	18.30	771214	22.31
	LOWER LIMIT	136440	11.77	157615	17.30	192804	21.31
	EPA SAMPLE No.						
01	SBLK02	342980	12.25	380905	17.76	604060	21.76
02	FD2	314376	12.25	362121	17.76	587035	21.76
03	CF5	327861	12.25	352902	17.76	569646	21.76
04	WF2	332318	12.25	363756	17.76	585254	21.77
05	FD2DL	312673	12.25	372413	17.77	610381	21.77
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21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

July 31, 1996

C.A. Rich Consultants
404 Glen Cove Avenue
Sea Cliff, NY 11579

Attn : George Tyers
Ref : Munsey Cleaners
P.O. #: Pending

Nytest Environmental, Inc., is pleased to submit our Project Number 9622574 for Login Numbers 28235, 28254, SDG Number MUN2, on your samples received 07/01/96, 07/03/96.

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

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

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

Respectfully submitted,

Michael Shmookler, Ph.D.,
Laboratory Operations Manager
Nytest Environmental, Inc.

Encl: Summary Data Package
Shipped Via: 1 bound 1 unbound Driver

NYS Lab ID#10195
NJ Cert.#73469

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

Table of Contents

NYTEST ENVIRONMENTAL Inc.

SDG: MUN2

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
2823501	MUN-1	Water
2823502	MUN-3	Water
2823503	MUN-3MS	Water
2823504	MUN-3MSD	Water
2823505	MUN-3D	Water
2823506	TRIP	Water
2823507	~~FILED~~ FIELD	Water
2823508	SD-2	Soil
2823509	SD-2MS	Soil
2823510	SD-2MSD	Soil

SBamonti
07-31-96

NYTEST ENVIRONMENTAL Inc.

SDG: MUN2

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
2825401	MUN-4	Water
2825402	MUN-2	Water
2825403	TB-7/3	Water

ASP Forms

nytest environmental inc

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND
ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical requirements					
		VOA GC/MS Method	BNA GC/MS Method	VOA GC Method	PEST PCB Method	METALS	OTHER
MUN-1	28235 01			✓	✓		
MUN-3	02			✓	✓		
MUN-3MS	03			✓	✓		
MUN-3MSD	04			✓	✓		
MUN-3D	05			✓			
TRIP	06			✓			
FIELD	07			✓			
SD-2	08			✓			
SD-2MS	09			✓			
SD-2MSD	10			✓			
MUN-4	28254 01			✓	✓		
MUN-2	02			✓	✓		
TB-7/3	03			✓			

000004

nytest environmental inc

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY

GC ~~PESTICIDE / PCB~~ Volatiles

ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
2823501	WATER	07/01/96	07/01/96	NA	07/05/96, 07/08/96
02					↓
03					07/05/96
04					↓
05					07/05/96, 07/08/96
06					07/08/96
07	↓				07/05/96
08	SOIL				07/09/96
09					↓
↓ 10	↓	↓	↓		↓
2825401	WATER	07/03/96	07/03/96		07/05/96
↓ 02	↓	↓	↓		↓
↓ 03	↓	↓	↓	↓	07/06/96

NYTEST SAMPLE SUMMARY FORM

SAMPLE ID	SAMPLED DATE	DATE RECIEVED	DATE EXTRACTED	DATE ANALYZED
MUN-1	7/1/96	7/1/96	7/5/96	7/13/96
MUN-3	7/1/96	7/1/96	7/5/96	7/13/96
MUN-4	7/1/96	7/1/96	7/5/96	7/16/96
MUN-4RE	7/1/96	7/1/96	7/24/96	7/30/93
MUN-2	7/1/96	7/1/96	7/5/96	7/16/96

SDG Narrative

NARRATIVE DISCUSSION
GC VOLATILE DATA - 28235, 28254

Surrogates

All recoveries met QC criteria.

Matrix Spike/Matrix Spike Duplicate/Matrix Spike Blank (MS/MSD/MSB)

Sample MUN-3 was utilized for the water MS/MSD. All spike recoveries and RPD values were within QC limits for the MS, MSD and the MSB.

Sample SD-2 was utilized for the soil MS/MSD. All spike recoveries and RPD values were within QC limits for the MS, MSD and the MSB.

Method Blanks

Methylene Chloride was detected in all method blanks.

Calibrations

All calibration QC criteria were met.

Samples

All samples were analyzed as per SW-846 Method 8010. Due to target compound concentrations exceeding the highest calibration standard, sample MUN-1 was reanalyzed at a 1:10 dilution, while samples MUN-3, MUN-3D and MUN-4 were reanalyzed at 1:20 dilutions. GC/MS confirmation was performed on all applicable samples. No further analytical problems were encountered.

c:\wp51\cns\ac

NARRATIVE DISCUSSION
PESTICIDES 8080 - 28235 28254

INTRODUCTION

This narrative covers the analysis of four (4) samples in accordance with protocols based on the NYS DEC 8080 method for Pesticides.

HOLDING TIMES

Sample Mun-4re is a reextract of MUN-4. MUN-4re was extracted outside of holding time and analyzed within holding time. All other samples were extracted and analyzed within holding times.

CALIBRATIONS

The ending CCV 370A139 and 370A142 exceeded calibration criteria. No further action is required since a new ICAL was run before the analysis of more samples. All other initial and continuing calibrations associated with these sample analyses met all QC criteria.

METHOD BLANKS

All QC requirements were met.

SURROGATES

The following samples had surrogate recovery outside of advisory QC limits: MUN-1, MUN-3MS, MUN-3MSD, MUN-4, MUN-2, MUN-4RE, AND PBLK8. All other recoveries were within acceptable QC limits.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE (MS/MSD)

An MS/MSD was performed on MUN-3. An MSB is also submitted. RPD values for gamma-BHC, Dieldrin, and Endrin are outside QC limits. All recovery and RPD values were within QC limits.

SAMPLES COMMENTS

MUN-4 was reextracted due to low surrogate recovery. No other analytical difficulties were encountered.

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

Michael Shmookler, Ph.D.
Laboratory Operations Manager

Form I

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	WATER	SAMPLE ID:	MUN-1
CONC. LEVEL:	LOW	LAB ID:	2823501
DATE RECEIVED:	07/01/96	DIL FACTOR:	1.00
DATE ANALYZED:	07/05/96	% MOISTURE:	NA

UG/L

CMPD #	CAS Number	VOLATILE COMPOUNDS	
1	74-87-3	Chloromethane	1.0 U
2	74-83-9	Bromomethane	1.0 U
3	75-01-4	Vinyl Chloride	1.0 U
4	75-00-3	Chloroethane	1.0 U
5	75-09-2	Methylene Chloride	3.5 B
6	75-35-4	1,1-Dichloroethene	1.0 U
7	75-34-3	1,1-Dichloroethane	1.0 U
8	156-60-5	trans-1,2-Dichloroethene	1.0 U
9	67-66-3	Chloroform	1.0 U
10	107-06-2	1,2-Dichloroethane	1.0 U
11	71-55-6	1,1,1-Trichloroethane	1.0 U
12	56-23-5	Carbon Tetrachloride	1.0 U
13	75-27-4	Bromodichloromethane	1.0 U
14	78-87-5	1,2-Dichloropropane	1.0 U
15	10061-01-5	cis-1,3-Dichloropropene	1.0 U
16	79-01-6	Trichloroethene	1.0 U
17	124-48-1	Dibromochloromethane	1.0 U
18	79-00-5	1,1,2-Trichloroethane	1.0 U
19	10061-02-6	trans-1,3-Dichloropropene	1.0 U
20	127-18-4	Tetrachloroethene	E
21	79-34-5	1,1,2,2-Tetrachloroethane	1.0 U
22	108-90-7	Chlorobenzene	1.0 U
23	75-71-8	Dichlorodifluoromethane	1.0 U
24	75-69-4	Trichlorofluoromethane	1.0 U
25	95-50-1	1,2-Dichlorobenzene	1.0 U
26	541-73-1	1,3-Dichlorobenzene	1.0 U
27	106-46-7	1,4-Dichlorobenzene	1.0 U
28	75-25-2	Bromoform	1.0 U

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER
CONC. LEVEL: LOW
DATE RECEIVED: 07/01/96
DATE ANALYZED: 07/08/96

SAMPLE ID: MUN-1DL
LAB ID: 2823501
DIL FACTOR: 10.00
% MOISTURE: NA

UG/L

CMPD #	CAS Number	VOLATILE COMPOUNDS	
1	74-87-3	Chloromethane	NA
2	74-83-9	Bromomethane	NA
3	75-01-4	Vinyl Chloride	NA
4	75-00-3	Chloroethane	NA
5	75-09-2	Methylene Chloride	NA
6	75-35-4	1,1-Dichloroethene	NA
7	75-34-3	1,1-Dichloroethane	NA
8	156-60-5	trans-1,2-Dichloroethene	NA
9	67-66-3	Chloroform	NA
10	107-06-2	1,2-Dichloroethane	NA
11	71-55-6	1,1,1-Trichloroethane	NA
12	56-23-5	Carbon Tetrachloride	NA
13	75-27-4	Bromodichloromethane	NA
14	78-87-5	1,2-Dichloropropane	NA
15	10061-01-5	cis-1,3-Dichloropropene	NA
16	79-01-6	Trichloroethene	NA
17	124-48-1	Dibromochloromethane	NA
18	79-00-5	1,1,2-Trichloroethane	NA
19	10061-02-6	trans-1,3-Dichloropropene	NA
20	127-18-4	Tetrachloroethene	250.0
21	79-34-5	1,1,2,2-Tetrachloroethane	NA
22	108-90-7	Chlorobenzene	NA
23	75-71-8	Dichlorodifluoromethane	NA
24	75-69-4	Trichlorofluoromethane	NA
25	95-50-1	1,2-Dichlorobenzene	NA
26	541-73-1	1,3-Dichlorobenzene	NA
27	106-46-7	1,4-Dichlorobenzene	NA
28	75-25-2	Bromoform	NA

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER | SAMPLE ID: MUN-3

CONC. LEVEL: LOW | LAB ID: 2823502

DATE RECEIVED: 07/01/96 | DIL FACTOR: 1.00

DATE ANALYZED: 07/05/96 | % MOISTURE: NA

UG/L

CMPD #	CAS Number	VOLATILE COMPOUNDS	
1	74-87-3	Chloromethane	1.0 U
2	74-83-9	Bromomethane	1.0 U
3	75-01-4	Vinyl Chloride	1.0 U
4	75-00-3	Chloroethane	1.0 U
5	75-09-2	Methylene Chloride	2.6 B
6	75-35-4	1,1-Dichloroethene	1.0 U
7	75-34-3	1,1-Dichloroethane	1.0 U
8	156-60-5	trans-1,2-Dichloroethene	1.0 U
9	67-66-3	Chloroform	1.0 U
10	107-06-2	1,2-Dichloroethane	1.0 U
11	71-55-6	1,1,1-Trichloroethane	1.0 U
12	56-23-5	Carbon Tetrachloride	1.0 U
13	75-27-4	Bromodichloromethane	1.0 U
14	78-87-5	1,2-Dichloropropane	1.0 U
15	10061-01-5	cis-1,3-Dichloropropene	1.0 U
16	79-01-6	Trichloroethene	60.0
17	124-48-1	Dibromochloromethane	1.0 U
18	79-00-5	1,1,2-Trichloroethane	1.0 U
19	10061-02-6	trans-1,3-Dichloropropene	1.0 U
20	127-18-4	Tetrachloroethene	E
21	79-34-5	1,1,2,2-Tetrachloroethane	1.0 U
22	108-90-7	Chlorobenzene	1.0 U
23	75-71-8	Dichlorodifluoromethane	1.0 U
24	75-69-4	Trichlorofluoromethane	1.0 U
25	95-50-1	1,2-Dichlorobenzene	1.0 U
26	541-73-1	1,3-Dichlorobenzene	1.0 U
27	106-46-7	1,4-Dichlorobenzene	1.0 U
28	75-25-2	Bromoform	1.0 U

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER
CONC. LEVEL: LOW
DATE RECEIVED: 07/01/96
DATE ANALYZED: 07/08/96

SAMPLE ID: MUN-3DL
LAB ID: 2823502
DIL FACTOR: 20.00
% MOISTURE: NA

UG/L

CMPD #	CAS Number	VOLATILE COMPOUNDS	
1	74-87-3	Chloromethane	NA
2	74-83-9	Bromomethane	NA
3	75-01-4	Vinyl Chloride	NA
4	75-00-3	Chloroethane	NA
5	75-09-2	Methylene Chloride	NA
6	75-35-4	1,1-Dichloroethene	NA
7	75-34-3	1,1-Dichloroethane	NA
8	156-60-5	trans-1,2-Dichloroethene	NA
9	67-66-3	Chloroform	NA
10	107-06-2	1,2-Dichloroethane	NA
11	71-55-6	1,1,1-Trichloroethane	NA
12	56-23-5	Carbon Tetrachloride	NA
13	75-27-4	Bromodichloromethane	NA
14	78-87-5	1,2-Dichloropropane	NA
15	10061-01-5	cis-1,3-Dichloropropene	NA
16	79-01-6	Trichloroethene	NA
17	124-48-1	Dibromochloromethane	NA
18	79-00-5	1,1,2-Trichloroethane	NA
19	10061-02-6	trans-1,3-Dichloropropene	NA
20	127-18-4	Tetrachloroethene	1500.0
21	79-34-5	1,1,2,2-Tetrachloroethane	NA
22	108-90-7	Chlorobenzene	NA
23	75-71-8	Dichlorodifluoromethane	NA
24	75-69-4	Trichlorofluoromethane	NA
25	95-50-1	1,2-Dichlorobenzene	NA
26	541-73-1	1,3-Dichlorobenzene	NA
27	106-46-7	1,4-Dichlorobenzene	NA
28	75-25-2	Bromoform	NA

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER | SAMPLE ID: MUN-4

CONC. LEVEL: LOW | LAB ID: 2825401

DATE RECEIVED: 07/03/96 | DIL FACTOR: 1.00

DATE ANALYZED. 07/05/96 | % MOISTURE:NA

UG/L

CMPD #	CAS Number	VOLATILE COMPOUNDS	
1	74-87-3	Chloromethane	1.0 U
2	74-83-9	Bromomethane	1.0 U
3	75-01-4	Vinyl Chloride	1.0 U
4	75-00-3	Chloroethane	1.0 U
5	75-09-2	Methylene Chloride	2.8 B
6	75-35-4	1,1-Dichloroethene	1.0 U
7	75-34-3	1,1-Dichloroethane	1.0 U
8	156-60-5	trans-1,2-Dichloroethene	2.1
9	67-66-3	Chloroform	1.0 U
10	107-06-2	1,2-Dichloroethane	1.0 U
11	71-55-6	1,1,1-Trichloroethane	1.0 U
12	56-23-5	Carbon Tetrachloride	1.0 U
13	75-27-4	Bromodichloromethane	1.0 U
14	78-87-5	1,2-Dichloropropane	1.0 U
15	10061-01-5	cis-1,3-Dichloropropene	1.0 U
16	79-01-6	Trichloroethene	11.0
17	124-48-1	Dibromochloromethane	1.0 U
18	79-00-5	1,1,2-Trichloroethane	1.0 U
19	10061-02-6	trans-1,3-Dichloropropene	1.0 U
20	127-18-4	Tetrachloroethene	E
21	79-34-5	1,1,2,2-Tetrachloroethane	1.0 U
22	108-90-7	Chlorobenzene	1.0 U
23	75-71-8	Dichlorodifluoromethane	1.0 U
24	75-69-4	Trichlorofluoromethane	1.0 U
25	95-50-1	1,2-Dichlorobenzene	1.0 U
26	541-73-1	1,3-Dichlorobenzene	1.0 U
27	106-46-7	1,4-Dichlorobenzene	1.0 U
28	75-25-2	Bromoform	1.0 U

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER
CONC. LEVEL: LOW
DATE RECEIVED: 07/03/96
DATE ANALYZED: 07/08/96

SAMPLE ID: MUN-4DL
LAB ID: 2825401
DIL FACTOR: 20.00
% MOISTURE: NA

UG/L

CMPD #	CAS Number	VOLATILE COMPOUNDS	
1	74-87-3	Chloromethane	NA
2	74-83-9	Bromomethane	NA
3	75-01-4	Vinyl Chloride	NA
4	75-00-3	Chloroethane	NA
5	75-09-2	Methylene Chloride	NA
6	75-35-4	1,1-Dichloroethene	NA
7	75-34-3	1,1-Dichloroethane	NA
8	156-60-5	trans-1,2-Dichloroethene	NA
9	67-66-3	Chloroform	NA
10	107-06-2	1,2-Dichloroethane	NA
11	71-55-6	1,1,1-Trichloroethane	NA
12	56-23-5	Carbon Tetrachloride	NA
13	75-27-4	Bromodichloromethane	NA
14	78-87-5	1,2-Dichloropropane	NA
15	10061-01-5	cis-1,3-Dichloropropene	NA
16	79-01-6	Trichloroethene	NA
17	124-48-1	Dibromochloromethane	NA
18	79-00-5	1,1,2-Trichloroethane	NA
19	10061-02-6	trans-1,3-Dichloropropene	NA
20	127-18-4	Tetrachloroethene	1900.0
21	79-34-5	1,1,2,2-Tetrachloroethane	NA
22	108-90-7	Chlorobenzene	NA
23	75-71-8	Dichlorodifluoromethane	NA
24	75-69-4	Trichlorofluoromethane	NA
25	95-50-1	1,2-Dichlorobenzene	NA
26	541-73-1	1,3-Dichlorobenzene	NA
27	106-46-7	1,4-Dichlorobenzene	NA
28	75-25-2	Bromoform	NA

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER
CONC. LEVEL: LOW
DATE RECEIVED: 07/03/96
DATE ANALYZED: 07/05/96

SAMPLE ID: MUN-2
LAB ID: 2825402
DIL FACTOR: 1.00
% MOISTURE: NA

UG/L

CMPD #	CAS Number	VOLATILE COMPOUNDS	
1	74-87-3	Chloromethane	1.0 U
2	74-83-9	Bromomethane	1.0 U
3	75-01-4	Vinyl Chloride	1.0 U
4	75-00-3	Chloroethane	1.0 U
5	75-09-2	Methylene Chloride	3.0 B
6	75-35-4	1,1-Dichloroethene	1.0 U
7	75-34-3	1,1-Dichloroethane	1.0 U
8	156-60-5	trans-1,2-Dichloroethene	1.0 U
9	67-66-3	Chloroform	1.0 U
10	107-06-2	1,2-Dichloroethane	1.0 U
11	71-55-6	1,1,1-Trichloroethane	1.0 U
12	56-23-5	Carbon Tetrachloride	1.0 U
13	75-27-4	Bromodichloromethane	1.0 U
14	78-87-5	1,2-Dichloropropane	1.0 U
15	10061-01-5	cis-1,3-Dichloropropene	1.0 U
16	79-01-6	Trichloroethene	5.9
17	124-48-1	Dibromochloromethane	1.0 U
18	79-00-5	1,1,2-Trichloroethane	1.0 U
19	10061-02-6	trans-1,3-Dichloropropene	1.0 U
20	127-18-4	Tetrachloroethene	43.0
21	79-34-5	1,1,2,2-Tetrachloroethane	1.0 U
22	108-90-7	Chlorobenzene	1.0 U
23	75-71-8	Dichlorodifluoromethane	1.0 U
24	75-69-4	Trichlorofluoromethane	1.0 U
25	95-50-1	1,2-Dichlorobenzene	1.0 U
26	541-73-1	1,3-Dichlorobenzene	1.0 U
27	106-46-7	1,4-Dichlorobenzene	1.0 U
28	75-25-2	Bromoform	1.0 U

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER
CONC. LEVEL: LOW
DATE RECEIVED: 07/01/96
DATE ANALYZED: 07/05/96

SAMPLE ID: MUN-3D
LAB ID: 2823505
DIL FACTOR: 1.00
% MOISTURE: NA

UG/L

CMPD #	CAS Number	VOLATILE COMPOUNDS	
1	74-87-3	Chloromethane	1.0 U
2	74-83-9	Bromomethane	1.0 U
3	75-01-4	Vinyl Chloride	1.0 U
4	75-00-3	Chloroethane	1.0 U
5	75-09-2	Methylene Chloride	2.6 B
6	75-35-4	1,1-Dichloroethene	1.0 U
7	75-34-3	1,1-Dichloroethane	1.0 U
8	156-60-5	trans-1,2-Dichloroethene	1.0 U
9	67-66-3	Chloroform	1.0 U
10	107-06-2	1,2-Dichloroethane	1.0 U
11	71-55-6	1,1,1-Trichloroethane	1.0 U
12	56-23-5	Carbon Tetrachloride	1.0 U
13	75-27-4	Bromodichloromethane	1.0 U
14	78-87-5	1,2-Dichloropropane	1.0 U
15	10061-01-5	cis-1,3-Dichloropropene	1.0 U
16	79-01-6	Trichloroethene	61.0
17	124-48-1	Dibromochloromethane	1.0 U
18	79-00-5	1,1,2-Trichloroethane	1.0 U
19	10061-02-6	trans-1,3-Dichloropropene	1.0 U
20	127-18-4	Tetrachloroethene	E
21	79-34-5	1,1,2,2-Tetrachloroethane	1.0 U
22	108-90-7	Chlorobenzene	1.0 U
23	75-71-8	Dichlorodifluoromethane	1.0 U
24	75-69-4	Trichlorofluoromethane	1.0 U
25	95-50-1	1,2-Dichlorobenzene	1.0 U
26	541-73-1	1,3-Dichlorobenzene	1.0 U
27	106-46-7	1,4-Dichlorobenzene	1.0 U
28	75-25-2	Bromoform	1.0 U

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER | SAMPLE ID: MUN-3DDL

CONC. LEVEL: LOW | LAB ID: 2823505

DATE RECEIVED: 07/01/96 | DIL FACTOR: 20.00

DATE ANALYZED: 07/08/96 | % MOISTURE: NA

UG/L

CMPD #	CAS Number	VOLATILE COMPOUNDS	
1	74-87-3	Chloromethane	NA
2	74-83-9	Bromomethane	NA
3	75-01-4	Vinyl Chloride	NA
4	75-00-3	Chloroethane	NA
5	75-09-2	Methylene Chloride	NA
6	75-35-4	1,1-Dichloroethene	NA
7	75-34-3	1,1-Dichloroethane	NA
8	156-60-5	trans-1,2-Dichloroethene	NA
9	67-66-3	Chloroform	NA
10	107-06-2	1,2-Dichloroethane	NA
11	71-55-6	1,1,1-Trichloroethane	NA
12	56-23-5	Carbon Tetrachloride	NA
13	75-27-4	Bromodichloromethane	NA
14	78-87-5	1,2-Dichloropropane	NA
15	10061-01-5	cis-1,3-Dichloropropene	NA
16	79-01-6	Trichloroethene	NA
17	124-48-1	Dibromochloromethane	NA
18	79-00-5	1,1,2-Trichloroethane	NA
19	10061-02-6	trans-1,3-Dichloropropene	NA
20	127-18-4	Tetrachloroethene	1900.0
21	79-34-5	1,1,2,2-Tetrachloroethane	NA
22	108-90-7	Chlorobenzene	NA
23	75-71-8	Dichlorodifluoromethane	NA
24	75-69-4	Trichlorofluoromethane	NA
25	95-50-1	1,2-Dichlorobenzene	NA
26	541-73-1	1,3-Dichlorobenzene	NA
27	106-46-7	1,4-Dichlorobenzene	NA
28	75-25-2	Bromoform	NA

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER
CONC. LEVEL: LOW
DATE RECEIVED: 07/01/96
DATE ANALYZED: 07/08/96

SAMPLE ID: TRIP
LAB ID: 2823506
DIL FACTOR: 1.00
% MOISTURE: NA

UG/L

CMPD #	CAS Number	VOLATILE COMPOUNDS	
1	74-87-3	Chloromethane	1.0 U
2	74-83-9	Bromomethane	1.0 U
3	75-01-4	Vinyl Chloride	1.0 U
4	75-00-3	Chloroethane	1.0 U
5	75-09-2	Methylene Chloride	2.6 B
6	75-35-4	1,1-Dichloroethene	1.0 U
7	75-34-3	1,1-Dichloroethane	1.0 U
8	156-60-5	trans-1,2-Dichloroethene	1.0 U
9	67-66-3	Chloroform	1.0 U
10	107-06-2	1,2-Dichloroethane	1.0 U
11	71-55-6	1,1,1-Trichloroethane	1.0 U
12	56-23-5	Carbon Tetrachloride	1.0 U
13	75-27-4	Bromodichloromethane	1.0 U
14	78-87-5	1,2-Dichloropropane	1.0 U
15	10061-01-5	cis-1,3-Dichloropropene	1.0 U
16	79-01-6	Trichloroethene	1.0 U
17	124-48-1	Dibromochloromethane	1.0 U
18	79-00-5	1,1,2-Trichloroethane	1.0 U
19	10061-02-6	trans-1,3-Dichloropropene	1.0 U
20	127-18-4	Tetrachloroethene	1.0 U
21	79-34-5	1,1,2,2-Tetrachloroethane	1.0 U
22	108-90-7	Chlorobenzene	1.0 U
23	75-71-8	Dichlorodifluoromethane	1.0 U
24	75-69-4	Trichlorofluoromethane	1.0 U
25	95-50-1	1,2-Dichlorobenzene	1.0 U
26	541-73-1	1,3-Dichlorobenzene	1.0 U
27	106-46-7	1,4-Dichlorobenzene	1.0 U
28	75-25-2	Bromoform	1.0 U

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER
CONC. LEVEL: LOW
DATE RECEIVED: 07/01/96
DATE ANALYZED: 07/05/96

SAMPLE ID: ~~FILED~~ FIELD
LAB ID: 2823507
DIL FACTOR: 1.00
% MOISTURE: NA
UG/L

SBarnett 07-31-96

CMPD #	CAS Number	VOLATILE COMPOUNDS	
1	74-87-3	Chloromethane	1.0 U
2	74-83-9	Bromomethane	1.0 U
3	75-01-4	Vinyl Chloride	1.0 U
4	75-00-3	Chloroethane	1.0 U
5	75-09-2	Methylene Chloride	4.8 B
6	75-35-4	1,1-Dichloroethene	1.0 U
7	75-34-3	1,1-Dichloroethane	1.0 U
8	156-60-5	trans-1,2-Dichloroethene	1.0 U
9	67-66-3	Chloroform	1.0 U
10	107-06-2	1,2-Dichloroethane	1.0 U
11	71-55-6	1,1,1-Trichloroethane	1.0 U
12	56-23-5	Carbon Tetrachloride	1.0 U
13	75-27-4	Bromodichloromethane	1.0 U
14	78-87-5	1,2-Dichloropropane	1.0 U
15	10061-01-5	cis-1,3-Dichloropropene	1.0 U
16	79-01-6	Trichloroethene	1.0 U
17	124-48-1	Dibromochloromethane	1.0 U
18	79-00-5	1,1,2-Trichloroethane	1.0 U
19	10061-02-6	trans-1,3-Dichloropropene	1.0 U
20	127-18-4	Tetrachloroethene	1.0 U
21	79-34-5	1,1,2,2-Tetrachloroethane	1.0 U
22	108-90-7	Chlorobenzene	1.0 U
23	75-71-8	Dichlorodifluoromethane	1.0 U
24	75-69-4	Trichlorofluoromethane	1.0 U
25	95-50-1	1,2-Dichlorobenzene	1.0 U
26	541-73-1	1,3-Dichlorobenzene	1.0 U
27	106-46-7	1,4-Dichlorobenzene	1.0 U
28	75-25-2	Bromoform	1.0 U

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	SOIL	SAMPLE ID:	SD-2
CONC. LEVEL:	LOW	LAB ID:	2823508
DATE RECEIVED:	07/01/96	DIL FACTOR:	1.00
DATE ANALYZED:	07/09/96	% MOISTURE:	21

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG (DRY BASIS)
1	74-87-3	Chloromethane	1.3 U
2	74-83-9	Bromomethane	1.3 U
3	75-01-4	Vinyl Chloride	1.3 U
4	75-00-3	Chloroethane	1.3 U
5	75-09-2	Methylene Chloride	8.9 B
6	75-35-4	1,1-Dichloroethene	1.3 U
7	75-34-3	1,1-Dichloroethane	1.3 U
8	156-60-5	trans-1,2-Dichloroethene	1.3 U
9	67-66-3	Chloroform	1.3 U
10	107-06-2	1,2-Dichloroethane	1.3 U
11	71-55-6	1,1,1-Trichloroethane	1.3 U
12	56-23-5	Carbon Tetrachloride	1.3 U
13	75-27-4	Bromodichloromethane	1.3 U
14	78-87-5	1,2-Dichloropropane	1.3 U
15	10061-01-5	cis-1,3-Dichloropropene	1.3 U
16	79-01-6	Trichloroethene	1.3 U
17	124-48-1	Dibromochloromethane	1.3 U
18	79-00-5	1,1,2-Trichloroethane	1.3 U
19	10061-02-6	trans-1,3-Dichloropropene	1.3 U
20	127-18-4	Tetrachloroethene	2.1
21	79-34-5	1,1,2,2-Tetrachloroethane	1.3 U
22	108-90-7	Chlorobenzene	1.3 U
23	75-71-8	Dichlorodifluoromethane	1.3 U
24	75-69-4	Trichlorofluoromethane	1.3 U
25	95-50-1	1,2-Dichlorobenzene	1.3 U
26	541-73-1	1,3-Dichlorobenzene	1.3 U
27	106-46-7	1,4-Dichlorobenzene	1.3 U
28	75-25-2	Bromoform	1.3 U

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX:	WATER	SAMPLE ID:	TB-7/3
CONC. LEVEL:	LOW	LAB ID:	2825403
DATE RECEIVED:	07/03/96	DIL FACTOR:	1.00
DATE ANALYZED:	07/06/96	% MOISTURE:	NA

UG/L

CMPD #	CAS Number	VOLATILE COMPOUNDS	
1	74-87-3	Chloromethane	1.0 U
2	74-83-9	Bromomethane	1.0 U
3	75-01-4	Vinyl Chloride	1.0 U
4	75-00-3	Chloroethane	1.0 U
5	75-09-2	Methylene Chloride	3.9 B
6	75-35-4	1,1-Dichloroethene	1.0 U
7	75-34-3	1,1-Dichloroethane	1.0 U
8	156-60-5	trans-1,2-Dichloroethene	1.0 U
9	67-66-3	Chloroform	1.0 U
10	107-06-2	1,2-Dichloroethane	1.0 U
11	71-55-6	1,1,1-Trichloroethane	1.0 U
12	56-23-5	Carbon Tetrachloride	1.0 U
13	75-27-4	Bromodichloromethane	1.0 U
14	78-87-5	1,2-Dichloropropane	1.0 U
15	10061-01-5	cis-1,3-Dichloropropene	1.0 U
16	79-01-6	Trichloroethene	1.0 U
17	124-48-1	Dibromochloromethane	1.0 U
18	79-00-5	1,1,2-Trichloroethane	1.0 U
19	10061-02-6	trans-1,3-Dichloropropene	1.0 U
20	127-18-4	Tetrachloroethene	1.0 U
21	79-34-5	1,1,2,2-Tetrachloroethane	1.0 U
22	108-90-7	Chlorobenzene	1.0 U
23	75-71-8	Dichlorodifluoromethane	1.0 U
24	75-69-4	Trichlorofluoromethane	1.0 U
25	95-50-1	1,2-Dichlorobenzene	1.0 U
26	541-73-1	1,3-Dichlorobenzene	1.0 U
27	106-46-7	1,4-Dichlorobenzene	1.0 U
28	75-25-2	Bromoform	1.0 U

8080 - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRI :	WATER	SAMPLE ID :	MUN-1
CONC. LEVE :	LOW	LAB SAMPLE ID :	2823501
EXTRACTION DAT :	7/5/96	DIL FACTOR :	1.00
ANALYSIS DAT :	7/13/96	% MOISTURE :	NA
		INITIAL VOL(ml) :	390

CMPD #	CAS Number	ESTICIDE/PCB COMPOUND	UG/L	
1	319-84-6	alpha-BHC	0.130	U
2	319-85-7	beta-BHC	0.130	U
3	319-86-8	delta-BHC	0.130	U
4	58-89-9	gamma-BHC (Lindane)	0.130	U
5	76-44-8	Heptachlor	0.130	U
6	309-00-2	Aldrin	0.130	U
7	1024-57-3	Heptachlor Epoxide	0.130	U
8	959-98-8	Endosulfan I	0.130	U
9	60-57-1	Dieldrin	0.26	U
10	72-55-9	4,4'-DDE	0.26	U
11	72-20-8	Endrin	0.26	U
12	33213-65-9	Endosulfan II	0.26	U
13	72-54-8	4,4'-DDD	0.26	U
14	1031-07-8	Endosulfan Sulfate	0.26	U
15	50-29-3	4,4'-DDT	0.26	U
16	72-43-5	Methoxychlor	1.28	U
17	53494-70-5	Endrin Ketone	0.26	U
18	7421-93-4	Endrin Aldehyde	0.26	U
19	5103-71-9	alpha-Chlordane	0.130	U
20	5103-74-2	gamma-Chlordane	0.130	U
21	8001-35-2	Toxaphene	2.6	U
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24				
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26				
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7/31/96

8080 - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRI :	WATER	SAMPLE ID :	MUN-2
CONC. LEVE :	LOW	LAB SAMPLE ID :	2825402
EXTRACTION DAT :	7/5/96	DIL FACTOR :	1.00
ANALYSIS DAT :	7/16/96	% MOISTURE :	NA
		INITIAL VOL(ml) :	1000

CMPD #	CAS Number	ESTICIDE/PCB COMPOUND	UG/L	
1	319-84-6	alpha-BHC	0.050	U
2	319-85-7	beta-BHC	0.050	U
3	319-86-8	delta-BHC	0.050	U
4	58-89-9	gamma-BHC (Lindane)	0.050	U
5	76-44-8	Heptachlor	0.050	U
6	309-00-2	Aldrin	0.050	U
7	1024-57-3	Heptachlor Epoxide	0.050	U
8	959-98-8	Endosulfan I	0.050	U
9	60-57-1	Dieldrin	0.10	U
10	72-55-9	4,4'-DDE	0.10	U
11	72-20-8	Endrin	0.10	U
12	33213-65-9	Endosulfan II	0.10	U
13	72-54-8	4,4'-DDD	0.10	U
14	1031-07-8	Endosulfan Sulfate	0.10	U
15	50-29-3	4,4'-DDT	0.10	U
16	72-43-5	Methoxychlor	0.50	U
17	53494-70-5	Endrin Ketone	0.10	U
18	7421-93-4	Endrin Aldehyde	0.10	U
19	5103-71-9	alpha-Chlordane	0.050	U
20	5103-74-2	gamma-Chlordane	0.050	U
21	8001-35-2	Toxaphene	1.0	U
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23				
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8080 - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRI :	WATER	SAMPLE ID :	MUN-3
CONC. LEVE :	LOW	LAB SAMPLE ID :	2823502
EXTRACTION DAT :	7/5/96	DIL FACTOR :	1.00
ANALYSIS DAT :	7/13/96	% MOISTURE :	NA
		INITIAL VOL(ml) :	1000

CMPD #	CAS Number	ESTICIDE/PCB COMPOUND	UG/L	
1	319-84-6	alpha-BHC	0.050	U
2	319-85-7	beta-BHC	0.050	U
3	319-86-8	delta-BHC	0.050	U
4	58-89-9	gamma-BHC (Lindane)	0.050	U
5	76-44-8	Heptachlor	0.050	U
6	309-00-2	Aldrin	0.050	U
7	1024-57-3	Heptachlor Epoxide	0.050	U
8	959-98-8	Endosulfan I	0.050	U
9	60-57-1	Dieldrin	0.10	U
10	72-55-9	4,4'-DDE	0.10	U
11	72-20-8	Endrin	0.10	U
12	33213-65-9	Endosulfan II	0.10	U
13	72-54-8	4,4'-DDD	0.10	U
14	1031-07-8	Endosulfan Sulfate	0.10	U
15	50-29-3	4,4'-DDT	0.10	U
16	72-43-5	Methoxychlor	0.50	U
17	53494-70-5	Endrin Ketone	0.10	U
18	7421-93-4	Endrin Aldehyde	0.10	U
19	5103-71-9	alpha-Chlordane	0.050	U
20	5103-74-2	gamma-Chlordane	0.050	U
21	8001-35-2	Toxaphene	1.0	U
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8080 - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRI :	WATER	SAMPLE ID :	MUN-4
CONC. LEVE :	LOW	LAB SAMPLE ID :	2825401
EXTRACTION DAT :	7/5/96	DIL FACTOR :	1.00
ANALYSIS DAT :	7/16/96	% MOISTURE :	NA
		INITIAL VOL(ml) :	1000

CMPD #	CAS Number	ESTICIDE/PCB COMPOUND	UG/L	
1	319-84-6	alpha-BHC	0.050	U
2	319-85-7	beta-BHC	0.050	U
3	319-86-8	delta-BHC	0.050	U
4	58-89-9	gamma-BHC (Lindane)	0.050	U
5	76-44-8	Heptachlor	0.050	U
6	309-00-2	Aldrin	0.050	U
7	1024-57-3	Heptachlor Epoxide	0.050	U
8	959-98-8	Endosulfan I	0.050	U
9	60-57-1	Dieldrin	0.10	U
10	72-55-9	4,4'-DDE	0.10	U
11	72-20-8	Endrin	0.10	U
12	33213-65-9	Endosulfan II	0.10	U
13	72-54-8	4,4'-DDD	0.10	U
14	1031-07-8	Endosulfan Sulfate	0.10	U
15	50-29-3	4,4'-DDT	0.10	U
16	72-43-5	Methoxychlor	0.50	U
17	53494-70-5	Endrin Ketone	0.10	U
18	7421-93-4	Endrin Aldehyde	0.10	U
19	5103-71-9	alpha-Chlordane	0.050	U
20	5103-74-2	gamma-Chlordane	0.050	U
21	8001-35-2	Toxaphene	1.0	U
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8080 - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRI :	WATER	SAMPLE ID :	MUN-4RE
CONC. LEVE :	LOW	LAB SAMPLE ID :	2825401RE
EXTRACTION DAT :	7/24/96	DIL FACTOR :	1.00
ANALYSIS DAT :	7/30/96	% MOISTURE :	NA
		INITIAL VOL(ml) :	1000

CMPD #	CAS Number	ESTICIDE/PCB COMPOUND	UG/L	
1	319-84-6	alpha-BHC	0.050	U
2	319-85-7	beta-BHC	0.050	U
3	319-86-8	delta-BHC	0.050	U
4	58-89-9	gamma-BHC (Lindane)	0.050	U
5	76-44-8	Heptachlor	0.050	U
6	309-00-2	Aldrin	0.050	U
7	1024-57-3	Heptachlor Epoxide	0.050	U
8	959-98-8	Endosulfan I	0.050	U
9	60-57-1	Dieldrin	0.10	U
10	72-55-9	4,4'-DDE	0.10	U
11	72-20-8	Endrin	0.10	U
12	33213-65-9	Endosulfan II	0.10	U
13	72-54-8	4,4'-DDD	0.10	U
14	1031-07-8	Endosulfan Sulfate	0.10	U
15	50-29-3	4,4'-DDT	0.10	U
16	72-43-5	Methoxychlor	0.50	U
17	53494-70-5	Endrin Ketone	0.10	U
18	7421-93-4	Endrin Aldehyde	0.10	U
19	5103-71-9	alpha-Chlordane	0.050	U
20	5103-74-2	gamma-Chlordane	0.050	U
21	8001-35-2	Toxaphene	1.0	U
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Form II

GC VOA - FORM 2

NYTEST ENVIRONMENTAL INC.

GC VOLATILE SURROGATE RECOVERY

LOGIN # : 28235, 28254

MATRIX : SOIL

		<<<<<< HECD >>>>>>		<<<<<< PID >>>>>>		
	SAMPLE ID	DCB % RECOVERY	BFB % RECOVERY	TFT % RECOVERY	BFB % RECOVERY	SURR OUT
01	SD-2	76 OK	88 OK	NA	NA	0
02	MSB	105 OK	125 OK	NA	NA	0
03	SD-2MS	71 OK	73 OK	NA	NA	0
04	SD-2MSD	76 OK	82 OK	NA	NA	0
05	VBLK91	105 OK	116 OK	NA	NA	0
06						
07						
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			QC LIMITS
HALL:	1,4-Dichlorobutane	(DCB)	50 - 150
	Bromofluorobenzene	(BFB)	40 - 150
PID:	a,a,a-Trifluorotoluene	(TFT)	45 - 150
	Bromofluorobenzene	(BFB)	50 - 150

* RECOVERY OUTSIDE QC LIMITS

I MATRIX INTERFERENCE

D RECOVERY DILUTED OUT

HECD - Electrolytic Conductivity Dectector

PID - Photoionization Detector

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REV 12/95

GC VOA - FORM 2

NYTEST ENVIRONMENTAL INC.

GC VOLATILE SURROGATE RECOVERY

LOGIN # : 28235, 28254

MATRIX : WATER

		<<<<<< HECD >>>>>>		<<<<<< PID >>>>>>	
	SAMPLE ID	DCB % RECOVERY	BFB % RECOVERY	TFT % RECOVERY	BFB % RECOVERY	SURR OUT
01	MUN-1	93 OK	113 OK	NA	NA	0
02	MUN-1DL	92 OK	106 OK	NA	NA	0
03	MUN-3	92 OK	114 OK	NA	NA	0
04	MUN-3DL	88 OK	98 OK	NA	NA	0
05	MUN-3D	90 OK	111 OK	NA	NA	0
06	MUN-3DDL	87 OK	102 OK	NA	NA	0
07	TRIP	93 OK	106 OK	NA	NA	0
08	~~FIELD~~ FIELD	93 OK	108 OK	NA	NA	0
09	MUN-4	91 OK	119 OK	NA	NA	0
10	MUN-4DL	88 OK	114 OK	NA	NA	0
11	MUN-2	92 OK	110 OK	NA	NA	0
12	TB-7/3	88 OK	107 OK	NA	NA	0
13	MSB	91 OK	95 OK	NA	NA	0
14	MUN-3MS	96 OK	118 OK	NA	NA	0
15	MUN-3MSD	92 OK	108 OK	NA	NA	0
16	VBLK83	90 OK	107 OK	NA	NA	0
17	VBLK86	92 OK	106 OK	NA	NA	0
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			QC LIMITS
HALL:	1,4-Dichlorobutane	(DCB)	70 - 125
	Bromofluorobenzene	(BFB)	40 - 120
PID:	a,a,a-Trifluorotoluene	(TFT)	40 - 125
	Bromofluorobenzene	(BFB)	60 - 120

* RECOVERY OUTSIDE QC LIMITS

I MATRIX INTERFERENCE

D RECOVERY DILUTED OUT

HECD - Electrolytic Conductivity Dectector

PID - Photoionization Detector

8080 - FORM 2
NYTEST ENVIRONMENTAL INC.
PCB SURROGATE RECOVERY

LOGIN # : 28237 28254

MATRIX : WATER

		<<<<<<<<<<<< PCB >>>>>>>>>>>>				
	SAMPLE ID	TCX % RECOVERY		DCB % RECOVERY		SURR. OUT
01	MUN-1	43	*	31	*	2
02	MUN-3	63	OK	60	OK	0
03	MUN-3MS	67	OK	48	*	1
04	MUN-3MSD	56	*	43	*	2
05	MUN-4	12	*	7	*	2
06	MUN-2	23	*	12	*	2
07	PBLK3	76	OK	62	OK	0
08	MSB	73	OK	64	OK	0
09	MUN-4RE	34	*	15	*	2
10	PBLK8	36	*	32	*	2
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ADVISORY QC LIMITS

Tetrachloroxylene	(TCX)	60 - 120
Decachlorobiphenyl	(DCB)	50 - 140

* RECOVERY OUTSIDE ADVISORY QC LIMITS
I MATRIX INTERFERENCE
D RECOVERY DILUTED OUT

REV 10/95

Form III

GC VOA - FORM 3 B
NYTEST ENVIRONMENTAL INC.

VOLATILE MATRIX SPIKE BLANK RECOVERY

LOGIN # : 28235, 28254 MATRIX : WATER

	COMPOUND	SPIKE ADDED (ug/l)	BLANK CONC.	MSB CONCENTRATION	MSB % REC	QC LIMITS
SAMPLE ID	1,1-Dichloroethene	50.00	0.00	50.27	101 OK	61 - 145
MSB1	Trichloroethene	50.00	0.00	46.72	93 OK	71 - 120
NYTEST ID	Benzene	50.00	0.00	55.50	111 OK	76 - 127
28235	Toluene	50.00	0.00	55.30	111 OK	76 - 125
	Chlorobenzene	50.00	0.00	48.21	96 OK	75 - 130

* Values outside of the QC limits.

OF VOA % RECOVERIES 0 OF 5
OUTSIDE QC LIMITS : ---

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GC VOA - FORM 3

NYTEST ENVIRONMENTAL INC.

VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

LOGIN # : 28235, 28254

MATRIX: WATER

	COMPOUND	CONC. SPIKE ADDED (ug/l)	SAMPLE RESULT	CONC. MS	% RECOVERY	CONC. MSD	% RECOVERY	RPD	QC LIMITS RPD	QC LIMITS RECOVERY
SAMPLE ID	1,1-Dichloroethene	50.00	0.00	49.68	99 OK	49.87	100 OK	0 OK	16	40 -150
MUN-3	Trichloroethene	50.00	60.43	95.28	70 OK	94.57	68 OK	2 OK	38	45 -130
NYTEST ID	Benzene	50.00	0.00	56.31	113 OK	55.96	112 OK	1 OK	16	15 -180
2823503	Toluene	50.00	0.00	55.60	111 OK	55.16	110 OK	1 OK	23	55 -135
2823504	Chlorobenzene	50.00	0.00	50.08	100 OK	49.63	99 OK	1 OK	32	60 -125

OF VOA % REC OUTSIDE ADVISORY QC LIMITS: 0 OF 10

OF VOA RPD VALUES OUTSIDE ADVISORY QC LIMITS: 0 OF 5

GC VOA - FORM 3 B
NYTEST ENVIRONMENTAL INC.

VOLATILE MATRIX SPIKE BLANK RECOVERY

LOGIN # : 28235, 28254 MATRIX : SOIL

	COMPOUND	SPIKE ADDED (ug/kg)	BLANK CONC.	MSB CONCENTRATION	MSB % REC	QC LIMITS
SAMPLE ID MSB NYTEST ID 28235	1,1-Dichloroethene	50.00	0.00	56.12	112 OK	61 - 145
	Trichloroethene	50.00	0.00	49.73	99 OK	71 - 120
	Chlorobenzene	50.00	0.00	52.18	104 OK	75 - 130

* Values outside of the QC limits.

OF VOA % RECOVERIES 0 OF 3
OUTSIDE QC LIMITS : ---

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GC VOA - FORM 3
NYTEST ENVIRONMENTAL INC.

VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

LOGIN # : 28235, 28254 MATRIX: SOIL

									QC LIMITS	
	COMPOUND	CONC. SPIKE ADDED(ug/kg)	SAMPLE RESULT	CONC. MS	% RECOVERY	CONC. MSD	% RECOVERY	RPD	RPD	RECOVERY
SAMPLE ID	1,1-Dichloroethene	63.29	0.00	60.39	95 OK	61.38	97 OK	2 OK	16	15 -160
SD-2	Trichloroethene	63.29	0.00	50.54	80 OK	52.63	83 OK	4 OK	40	50 -115
NYTEST ID	Benzene	63.29	0.00	65.94	104 OK	66.61	105 OK	1 OK	18	60 -125
2823509	Toluene	63.29	0.00	60.29	95 OK	62.75	99 OK	4 OK	17	25 -175
2823510	Chlorobenzene	63.29	0.00	44.94	71 OK	48.19	76 OK	7 OK	15	45 -135

OF VOA % REC OUTSIDE ADVISORY QC LIMITS: 0 OF 10

OF VOA RPD VALUES OUTSIDE ADVISORY QC LIMITS: 0 OF 5

PESTICIDE - FORM 3 B

NYTEST ENVIRONMENTAL INC.

PESTICIDE MATRIX SPIKE BLANK RECOVERY

LOGIN # : 28235 MATRIX : WATER

	COMPOUND	SPIKE ADDED (ug/l)	BLANK CONC.	MSB CONCENTRATION	MSB % REC	QC LIMITS
SAMPLE ID	gamma - BHC (Lindane)	0.20	0	0.171	86 OK	56 - 123
MSB	Heptachlor	0.20	0	0.124	62 OK	40 - 131
	Aldrin	0.20	0	0.168	84 OK	40 - 120
NYTEST ID	Dieldrin	0.50	0	0.455	91 OK	52 - 126
28235	Endrin	0.50	0	0.463	93 OK	56 - 121
	4,4 - DDT	0.50	0	0.463	93 OK	38 - 127

* Values outside of the QC limits.

OF PEST % RECOVERIES 0 OF 6

OUTSIDE QC LIMITS : ---

8080 - FORM 3

NYTEST ENVIRONMENTAL INC.

PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

LOGIN # : 28235 MATRIX: WATER

									QC LIMITS	
	COMPOUND	CONC. SPIKE ADDED (ug/l)	SAMPLE RESULT	CONC. MS	% RECOVERY	CONC. MSD	% RECOVERY	RPD	RPD	RECOVERY
	gamma - BHC (Lindane)	0.20	0	0.148	74 OK	0.124	62 OK	18 *	15	56 -123
SAMPLE ID	Heptachlor	0.20	0	0.151	76 OK	0.131	66 OK	14 OK	20	40 -131
MUN-3MS/MSD	Aldrin	0.20	0	0.137	69 OK	0.117	59 OK	16 OK	22	40 -120
NYTEST ID	Dieldrin	0.50	0	0.406	81 OK	0.322	64 OK	23 *	18	52 -126
2823503	Endrin	0.50	0	0.421	84 OK	0.335	67 OK	23 *	21	56 -121
/04	4,4' - DDT	0.50	0	0.416	83 OK	0.330	66 OK	23 OK	27	38 -127

OF PEST % REC OUTSIDE ADVISORY QC LIMITS: 0 OF 12

OF PEST RPD OUTSIDE ADVISORY QC LIMITS: 3 OF 6

Form IV

METHOD BLANK SUMMARY FORM 4

YTEST ENVIRONMENTAL INC.

nstrument ID : HP 9 Matrix : (Water/Soil) : WATER

GC Column : DB-624 Level : (Low/Med) : LOW

he Method Blank listed below applies to the following sample(s), MS, MSD:

Sample ID	Lab ID	File Number	Date of Injection	Time of Injection	BFB (SURR) RT (reference)
LK83	VBLK83	927H067.rst	7/5/96	11:54	24.31
l	28235MSB	927H069.rst	7/5/96	14:05	24.32
-1	2823501	927H070.rst	7/5/96	15:01	24.32
N-3	2823502	927H071.rst	7/5/96	15:57	24.32
N-3MS	2823503	927H072.rst	7/5/96	16:53	24.32
-3MSD	2823504	927H073.rst	7/5/96	17:48	24.32
-3D	2823505	927H074.rst	7/5/96	18:44	24.32
⇒ FIELD	2823507	927H077.rst	7/5/96	21:32	24.32
N-4	2825401	927H078.rst	7/5/96	22:28	24.32
N-2	2825402	927H079.rst	7/5/96	23:25	24.32
/3	2825403	927H081.rst	7/6/96	01:17	24.32

Sbarnett
07-31-96

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER | SAMPLE ID: VBLK83

CONC. LEVEL: LOW | LAB ID: VBLK83

DATE RECEIVED: NA | DIL FACTOR: 1.00

DATE ANALYZED: 07/05/96 | % MOISTURE: NA

UG/L

CMPD #	CAS Number	VOLATILE COMPOUNDS	
1	74-87-3	Chloromethane	1.0 U
2	74-83-9	Bromomethane	1.0 U
3	75-01-4	Vinyl Chloride	1.0 U
4	75-00-3	Chloroethane	1.0 U
5	75-09-2	Methylene Chloride	2.9
6	75-35-4	1,1-Dichloroethene	1.0 U
7	75-34-3	1,1-Dichloroethane	1.0 U
8	156-60-5	trans-1,2-Dichloroethene	1.0 U
9	67-66-3	Chloroform	1.0 U
10	107-06-2	1,2-Dichloroethane	1.0 U
11	71-55-6	1,1,1-Trichloroethane	1.0 U
12	56-23-5	Carbon Tetrachloride	1.0 U
13	75-27-4	Bromodichloromethane	1.0 U
14	78-87-5	1,2-Dichloropropane	1.0 U
15	10061-01-5	cis-1,3-Dichloropropene	1.0 U
16	79-01-6	Trichloroethene	1.0 U
17	124-48-1	Dibromochloromethane	1.0 U
18	79-00-5	1,1,2-Trichloroethane	1.0 U
19	10061-02-6	trans-1,3-Dichloropropene	1.0 U
20	127-18-4	Tetrachloroethene	1.0 U
21	79-34-5	1,1,2,2-Tetrachloroethane	1.0 U
22	108-90-7	Chlorobenzene	1.0 U
23	75-71-8	Dichlorodifluoromethane	1.0 U
24	75-69-4	Trichlorofluoromethane	1.0 U
25	95-50-1	1,2-Dichlorobenzene	1.0 U
26	541-73-1	1,3-Dichlorobenzene	1.0 U
27	106-46-7	1,4-Dichlorobenzene	1.0 U
28	75-25-2	Bromoform	1.0 U

METHOD BLANK SUMMARY FORM 4

TEST ENVIRONMENTAL INC.

Instrument ID : HP 9 Matrix : (Water/Soil) : WATER

GC Column : DB-624 Level : (Low/Med) : LOW

The Method Blank listed below applies to the following sample(s), MS, MSD:

Sample ID	Lab ID	File Number	Date of Injection	Time of Injection	BFB (SURR) RT (reference)
LK86	VBLK86	928H002.rst	7/8/96	13:01	24.25
1DL	2823501 @ 1:10	928H006.rst	7/8/96	18:20	24.27
	2823506	928H007.rst	7/8/96	19:16	24.27
3DL	2823502 @ 1:20	928H008.rst	7/8/96	20:12	24.27
N-3DDL	2823505 @ 1:20	928H009.rst	7/8/96	21:08	24.27
4DL	2825401 @ 1:20	928H010.rst	7/8/96	22:04	24.27

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: WATER | SAMPLE ID: VBLK86

CONC. LEVEL: LOW | LAB ID: VBLK86

DATE RECEIVED: NA | DIL FACTOR: 1.00

DATE ANALYZED: 07/08/96 | % MOISTURE: NA

UG/L

CMPD #	CAS Number	VOLATILE COMPOUNDS	
1	74-87-3	Chloromethane	1.0 U
2	74-83-9	Bromomethane	1.0 U
3	75-01-4	Vinyl Chloride	1.0 U
4	75-00-3	Chloroethane	1.0 U
5	75-09-2	Methylene Chloride	2.8
6	75-35-4	1,1-Dichloroethene	1.0 U
7	75-34-3	1,1-Dichloroethane	1.0 U
8	156-60-5	trans-1,2-Dichloroethene	1.0 U
9	67-66-3	Chloroform	1.0 U
10	107-06-2	1,2-Dichloroethane	1.0 U
11	71-55-6	1,1,1-Trichloroethane	1.0 U
12	56-23-5	Carbon Tetrachloride	1.0 U
13	75-27-4	Bromodichloromethane	1.0 U
14	78-87-5	1,2-Dichloropropane	1.0 U
15	10061-01-5	cis-1,3-Dichloropropene	1.0 U
16	79-01-6	Trichloroethene	1.0 U
17	124-48-1	Dibromochloromethane	1.0 U
18	79-00-5	1,1,2-Trichloroethane	1.0 U
19	10061-02-6	trans-1,3-Dichloropropene	1.0 U
20	127-18-4	Tetrachloroethene	1.0 U
21	79-34-5	1,1,2,2-Tetrachloroethane	1.0 U
22	108-90-7	Chlorobenzene	1.0 U
23	75-71-8	Dichlorodifluoromethane	1.0 U
24	75-69-4	Trichlorofluoromethane	1.0 U
25	95-50-1	1,2-Dichlorobenzene	1.0 U
26	541-73-1	1,3-Dichlorobenzene	1.0 U
27	106-46-7	1,4-Dichlorobenzene	1.0 U
28	75-25-2	Bromoform	1.0 U

METHOD BLANK SUMMARY FORM 4

TEST ENVIRONMENTAL INC.

Instrument ID : HP 9 Matrix : (Water/Soil) : SOIL

GC Column : DB-624 Level : (Low/Med) : LOW

The Method Blank listed below applies to the following sample(s), MS, MSD:

Sample ID	Lab ID	File Number	Date of Injection	Time of Injection	BFB (SURR) RT (reference)
LK91	VBLK91	928H026.rst	7/9/96	19:43	24.27
	28235MSB	928H027.rst	7/9/96	20:38	24.26
	2823508	928H028.rst	7/9/96	21:34	24.27
-2MS	2823509	928H029.rst	7/9/96	22:30	24.27
-2MSD	2823510	928H030.rst	7/9/96	23:25	24.27

8010 - FORM 1

NYTEST ENVIRONMENTAL INC.

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRIX: SOIL | SAMPLE ID: VBLK91

CONC. LEVEL: LOW | LAB ID: VBLK91

DATE RECEIVED: NA | DIL FACTOR: 1.00

DATE ANALYZED: 07/09/96 | % MOISTURE: NA

CMPD #	CAS Number	VOLATILE COMPOUNDS	UG/KG (DRY BASIS)
1	74-87-3	Chloromethane	1.0 U
2	74-83-9	Bromomethane	1.0 U
3	75-01-4	Vinyl Chloride	1.0 U
4	75-00-3	Chloroethane	1.0 U
5	75-09-2	Methylene Chloride	5.0
6	75-35-4	1,1-Dichloroethene	1.0 U
7	75-34-3	1,1-Dichloroethane	1.0 U
8	156-60-5	trans-1,2-Dichloroethene	1.0 U
9	67-66-3	Chloroform	1.0 U
10	107-06-2	1,2-Dichloroethane	1.0 U
11	71-55-6	1,1,1-Trichloroethane	1.0 U
12	56-23-5	Carbon Tetrachloride	1.0 U
13	75-27-4	Bromodichloromethane	1.0 U
14	78-87-5	1,2-Dichloropropane	1.0 U
15	10061-01-5	cis-1,3-Dichloropropene	1.0 U
16	79-01-6	Trichloroethene	1.0 U
17	124-48-1	Dibromochloromethane	1.0 U
18	79-00-5	1,1,2-Trichloroethane	1.0 U
19	10061-02-6	trans-1,3-Dichloropropene	1.0 U
20	127-18-4	Tetrachloroethene	1.0 U
21	79-34-5	1,1,2,2-Tetrachloroethane	1.0 U
22	108-90-7	Chlorobenzene	1.0 U
23	75-71-8	Dichlorodifluoromethane	1.0 U
24	75-69-4	Trichlorofluoromethane	1.0 U
25	95-50-1	1,2-Dichlorobenzene	1.0 U
26	541-73-1	1,3-Dichlorobenzene	1.0 U
27	106-46-7	1,4-Dichlorobenzene	1.0 U
28	75-25-2	Bromoform	1.0 U

METHOD BLANK SUMMARY Form 4

NYTEST ENVIRONMENTAL

CONTRACT: 9622J-94

MATRIX (soil/water): Water

LEVEL (low/med): Low

INSTRUMENT ID: HP5971

GC COLUMN: DB-608 0.53

EXTRACTION DATE: 7/5/96

The Method Blank listed below applies to the following sample(s), MS, MSD:

Client Id.	Lab Id.	File Name	Date Of Injection	Time Of Injection	DCB RT (reference)
LK3	PWB0705A	370A108.rst	7/12/96	21:52	32.43
SB	28235 MSB	370a127.rst	7/13/96	11:23	32.41
SUN-1	2823501	370a128.rst	7/13/96	12:05	32.40
SUN-3	2823502	370a129.rst	7/13/96	12:48	32.42
N-3MS	2823503	370a130.rst	7/13/96	13:31	32.43
N-3MSD	2823504	370a131.rst	7/13/96	14:13	32.42
SUN-4	2825401	371a021.rst	7/16/96	01:25	32.41
SUN-2	2825402	371a022.rst	7/16/96	02:08	32.41

C00048

8080 - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/~~PCB~~ ORGANICS ANALYSIS DATA SHEET

pe 7/31/96

SAMPLE MATRI :	WATER	SAMPLE I :	PBLK3
CONC. LEVE :	LOW	LAB SAMPLE I :	PWB0705A
EXTRACTION DAT :	7/5/96	DIL FACTO :	1.00
ANALYSIS DAT :	7/12/96	% MOISTUR :	NA
		INITIAL VOL(ml):	1000

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND		
1	319-84-6	alpha-BHC	0.050	U
2	319-85-7	beta-BHC	0.050	U
3	319-86-8	delta-BHC	0.050	U
4	58-89-9	gamma-BHC (Lindane)	0.050	U
5	76-44-8	Heptachlor	0.050	U
6	309-00-2	Aldrin	0.050	U
7	1024-57-3	Heptachlor Epoxide	0.050	U
8	959-98-8	Endosulfan I	0.050	U
9	60-57-1	Dieldrin	0.10	U
10	72-55-9	4,4'-DDE	0.10	U
11	72-20-8	Endrin	0.10	U
12	33213-65-9	Endosulfan II	0.10	U
13	72-54-8	4,4'-DDD	0.10	U
14	1031-07-8	Endosulfan Sulfate	0.10	U
15	50-29-3	4,4'-DDT	0.10	U
16	72-43-5	Methoxychlor	0.50	U
17	53494-70-5	Endrin Ketone	0.10	U
18	7421-93-4	Endrin Aldehyde	0.10	U
19	5103-71-9	alpha-Chlordane	0.050	U
20	5103-74-2	gamma-Chlordane	0.050	U
21	8001-35-2	Toxaphene	1.0	U
22				
23				
24				
25				
26				
27				
28				

METHOD BLANK SUMMARY Form 4

NYTEST ENVIRONMENTAL — CONTRACT: 962374

MATRIX (soil/water): Water — LEVEL (low/med): Low

INSTRUMENT ID: 11/34 — GC COLUMN: DB-608 .53

EXTRACTION DATE: 7/29/96

The Method Blank listed below applies to the following sample(s), ~~MS, MSD~~:

7/31/96

Client Id.	Lab Id.	File Name	Date Of Injection	Time Of Injection	DCB RT (reference)
K8	PWB0724	375A039.rst	7/30/96	19:09	35.66
N-4RE	2825401RE	375a040.rst	7/30/96	19:50	35.67

8080 - FORM 1
NYTEST ENVIRONMENTAL INC.

TCL PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE MATRI :	WATER	SAMPLE I :	PBLK8
CONC. LEVE :	LOW	LAB SAMPLE I :	PWB0724
EXTRACTION DAT :	7/24/96	DIL FACTO :	1.00
ANALYSIS DAT :	7/30/96	% MOISTUR :	NA
		INITIAL VOL(ml):	1000

CMPD #	CAS Number	PESTICIDE/PCB COMPOUND		
1	319-84-6	alpha-BHC	0.050	U
2	319-85-7	beta-BHC	0.050	U
3	319-86-8	delta-BHC	0.050	U
4	58-89-9	gamma-BHC (Lindane)	0.050	U
5	76-44-8	Heptachlor	0.050	U
6	309-00-2	Aldrin	0.050	U
7	1024-57-3	Heptachlor Epoxide	0.050	U
8	959-98-8	Endosulfan I	0.050	U
9	60-57-1	Dieldrin	0.10	U
10	72-55-9	4,4'-DDE	0.10	U
11	72-20-8	Endrin	0.10	U
12	33213-65-9	Endosulfan II	0.10	U
13	72-54-8	4,4'-DDD	0.10	U
14	1031-07-8	Endosulfan Sulfate	0.10	U
15	50-29-3	4,4'-DDT	0.10	U
16	72-43-5	Methoxychlor	0.50	U
17	53494-70-5	Endrin Ketone	0.10	U
18	7421-93-4	Endrin Aldehyde	0.10	U
19	5103-71-9	alpha-Chlordane	0.050	U
20	5103-74-2	gamma-Chlordane	0.050	U
21	8001-35-2	Toxaphene	1.0	U
22				
23				
24				
25				
26				
27				
28				