Focused Remedial Investigation Report
Tishcon Corporation
125 State Street
Westbury, New York

12196

December 1996

Prepared for:

TISHCON CORPORATION
30 New York Avenue
Westbury, New York 11590

Prepared by:

CA RICH CONSULTANTS, INC.
404 Glen Cove Avenue
Sea Cliff, New York 11579

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

December 10, 1996

NYSDEC
50 Wolf Road
Albany, New York 12233-7010

Attention: Jeffery Trad, P.E.

Re: **Focused Remedial Investigation Report**
Tishcon Corporation
125 State Street
Westbury, New York
NYSDEC Site No.: 130043C

Dear Mr. Trad:

Attached is a copy of our Remedial Investigation Report for the above referenced site.

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

Sincerely,

CA RICH CONSULTANTS, INC.

Steven J. Marsich
Environmental Engineer

Eric A. Weinstock
Associate

cc: John Soderberg, Esq.
Kamal Chopra
Joe Elbaz

Attachments

Table of Contents

Focused Remedial Investigation Report
Tishcon Corporation
125 State Street
Westbury, New York
NYSDEC Site Number: 130043C

1.0 INTRODUCTION

The following Focused Remedial Investigation Report has been prepared by CA RICH Consultants, Inc. (CA RICH) on behalf of the Tishcon Corporation (Tishcon) in accordance with an Order on Consent, Index Number W1-0757-95-05.

The goal of this Remedial Investigation Report is to identify areas of potential sources of the contaminants of concern based on building construction plans (such as cesspools and storm drains), previous subsurface sample results, company records, employee interviews, engineering knowledge, site inspections, investigations and chemical analyses. For the purposes of this investigation, the contaminants of concern are chlorinated volatile organic compounds (VOCs).

2.0 PHYSICAL SITE CHARACTERISTICS

2.1 Site History

Tishcon leased the space at 125 State Street from 1984 to October 31, 1996. The tenant at this building prior to Tishcon was a manufacturer of aluminum furniture. The Tishcon facility at 125 State Street produced two basic supplement and vitamin products - powders and tablets. The powders were produced in a dry blending process and were shipped off-site to customers for packaging and distribution. The tablets began similarly but the blended powders were compressed into tablets. The finished tablets were boxed and shipped to other locations for distribution.

The preparation of the powders began with the weighing of ingredients according to a master formula. Once all the ingredients were weighted they were placed in a ribbon blender where they were mixed until a uniform blend was obtained. The materials were then discharged directly to plastic lined drums for shipping. All the ingredients used in the powder preparations were purchased from outside vendors. - none were synthesized, extracted, or manufactured on-site.

Tablet production began with weighing and blending of the ingredients described for the powder preparation. Again, all the ingredients were purchased - non were synthesized, extracted or manufactured on-site. The only additional step taken before the batches were prepared is the granulating of purchased powders that were unsuitable for compression into tablets. Granulating was accomplished be wetting the powders with a suitable agent (water, ethyl alcohol-based, food grade shellac, or PPVA) and then drying the material in a steam heated fluid bed dryer. The granulated powders were then weighed and mixed with the other ingredients. After all the ingredients were blended in the ribbon mill, the powder is placed in the feed hopper of the tablet press. The tablets were formed when the dry ingredients were compressed between the moveable and stationary dies of the press. Once the tablets were formed they were shipped or processed further by adding a shellac, sugar, or enteric coating. After the tables were coated some of them receive final color coating. The water based coating was applied by a spray nozzle inside an enclosed heater drying pan. The finished tablets were boxed and transferred to the New York Avenue facility.

During the years 1985 through 1993, the chemicals methylene chloride, 1,1,1-trichloroethane and methanol were also used at this facility in the tablet coating process. They were used in the process of applying coatings to the tablets and the discharged either through vents to the atmosphere as an air discharge or as fugitive emissions. As of 1993, these chemicals were no longer used at the State Street Facility.

As of October 31, 1996, the Tishcon Corporation has terminated their lease and vacated the facility at 125 State Street. The equipment and processes have been moved to other locations outside of the State of New York.

2.2 Physical Layout of Building

The Tishcon Corporation facility at 125 State Street consists of a two-story building built in 1966. The property includes a driveway that is underlain by four storm drains. An illustration of these pools is included as Figure 1. Plans on file at the Town of North Hempstead Building Department indicate that the original construction included on-site cesspool(s) for wastewater disposal. The number and location of the cesspools were not recorded in the file, however, available records indicate the presence of one cesspool located on the east side of the building. According to the Nassau County Department of Public Works (NCDPW), the building was connected to municipal sewers in 1985, shortly after Tishcon occupied the building. The NCDH conducted dye test of the floor drains in the Facility during the summer of 1995 and determined that all of the floor drains tested discharge to the municipal sewer.

Roof drains were not included on any of the reviewed building plans, although a building survey dated June, 1967, states that roof leaders and gutters are connected to drywells. A drum storage area is located in the southwest corner of the property (see Figure 1) for storage of the ethyl alcohol-based shellac. The drums were stored on spill pallets in a masonry shed.

2.3 Previous Sampling and Removals at this Site

In the past, equipment used in the process of blending raw materials and forming vitamin tablets was rinsed out in the driveway where the storm drains are located (see Figure 1). Rinse water used during this process subsequently entered storm drain 1. During 1993, the Nassau County Department of Health (NCDH) requested that sediment contaminated with volatile organics & metals be removed from the four storm drains and one sanitary distribution box in the driveway and that the material removed be properly disposed.

During August of 1993, a partial removal of the leaching pool sediments was performed. The removal of contaminated sediments from Pool 3 was completed and the results of the end-point samples were acceptable to NCDH. Soil was also removed from Pool 1, however, the end-point sampled indicate that the compounds chloroform, ethyl benzene, methylene chloride and xylene remained at concentrations above the NCDH action levels. Soil removal from storm drains 2, 4 and distribution box 5 has not been completed as of this date. Copies of the sample results are attached to this plan.

CA RICH was retained by Tishcon in October, 1994 to prepare a storm drain remediation plan for the NCDH and to complete the clean out of these drains in response to the NCDH's letter of March 25, 1994. A copy of the NCDH letter and the NCDH-approved Plan are attached. During February, 1995, CA RICH performed soil borings in storm drains 1, 2, 4 and sanitary distribution box 5 using a Geoprobe™ soil sampling device. An initial soil core was collected at two feet below the bottom of the pool. A soil sample was retrieved and analyzed in the field using a portable organic vapor meter. This procedure was continued until no detections were recorded with the field matter. At least one sample from each boring was placed in a sample from each boring was placed in a sample bottle and analyzed by a NYS-certified laboratory for VOCs using EPA methods 8010/8020 and for the eight RCRA metals. The results of these samples were used to determine the depths and volumes of soil for removal. Waste characterization samples were collected of the storm water and the underlying sediments in the pools. This information is included in our March, 1995 report and attached to this Plan.

During June and July, 1994 a NYSDEC contractor collected soil samples at the 17-19, 27-29 and 47-49 foot depth horizons from several locations on the 125 State Street property. These borings were

designated as SGP-76, 77, 78 and 79 in the NYSDEC report (Ref. 1). The results of these sample analyses are included in this Report as Table 5-20 in Attachment 1.

2.4 Geologic Setting

Tishcon is situated upon the glacial outwash soil deposits of Long Island at an elevation of approximately 130 feet above mean sea level. Based upon field measurements from the NYSDEC, the direction of shallow groundwater flow is to the south-southwest. The elevation of the water table occurring within the underlying upper glacial aquifer is approximately 50 feet below land surface.

The Upper Glacial Formation is underlain by the Magothy Formation, the principal water supply aquifer for most of Nassau County. The Magothy Formation is, in turn, underlain by the Raritan Formation. The Raritan Formation is composed of the upper Raritan Clay, a regional confining layer, followed by the more permeable Lloyd Sand. The Lloyd Sand sits directly upon crystalline bedrock.

2.5 Identification of Potential Source Areas

Based on our review of file at the NCDH, previous sample results collected from this property, company records, employee interviews, engineering knowledge, site inspections and chemical analyses, the following are potential source areas and should be investigated and/or remediated, if necessary.

- storm drains 1, 2 and 4;
- the sanitary distribution box in the driveway, (location 5 on the site Plan); and,
- one former sanitary cesspool located on the east side of the building along State Street.

The former cesspool and distribution system were disconnected in 1985 when the building was connected to the municipal sewer system.

3.0 SITE INVESTIGATIONS

3.1 Soil

To fully define the nature and extent of soil contamination at this Facility, it is necessary to incorporate the results of sampling performed initially by the NCDH in 1993 (Attachment 2), American Consulting in 1993 (Attachment 3) and by CA RICH in 1995 (Attachment 4) along with the data collected as part of this Remedial Investigation.

NCDH and American Consulting, 1993 - The NCDH had requested that sediments contaminated with volatile organics & metals be removed from four storm drains and that the material removed be properly disposed. During August of 1993, a partial removal of the storm drain sediments was performed by the firm American Consulting under the oversight of NCDH.

Soil was removed from storm drain 1, however, the end-point samples indicate that the compounds chloroform, ethyl benzene, methylene chloride and xylene remained at concentrations above the NCDH action levels. This is documented by laboratory sample number 51319308 performed by Volumetrics Techniques, LTD. and NCDH sample 930692.

Soil was not sampled or removed from storm drain 2 during this removal program.

The removal of contaminated sediments from storm drain 3 was completed and the results of the end-point samples were acceptable to NCDH as indicated in Attachment 2. This is documented by laboratory sample number 51429308 performed by Volumetrics Techniques, LTD and NCDH sample number 930690.

The bottom of storm drain 4 did not reveal the presence of VOCs are documented by NCDH sample number 930789. NCDH did however, note elevated levels of mercury. No soil was removed from this storm drain during this removal action.

The bottom of distribution box 5 contained methylene chloride at 7300 ppb and 1,1,1 TCA at 1500 ppb based on NCDH sample number 930790. No soil was removed from this storm drain during this removal action.

CA RICH, 1995 - CA RICH mobilized a Geoprobe sampling device at the State Street facility on February 16, 1995 to determine how much additional soil would have to be removed from storm drains 1, 2, 4 and the distribution box in order to satisfy the NCDH. Borings were placed in drains 1, 2, 4 and the distribution box. Soil samples were then collected at 2 foot intervals and screened with an NHU meter as described in Attachment 4. One soil sample was collected at the bottom of each of these borings to determine the depth to soil with contaminants below cleanup levels. This is summarized below.

Location	Sample number	Depth to bottom of drain or box	Depth of sample below grade
SD-1	SB-PL1	15.5 ft.	30.5 to 32.5 ft.
SD-2	SB-PL2	13.5 ft.	19.5 to 21.5 ft.
SD-4	SB-PL4	15 ft.	19 to 21 ft.
Dist. Box - 5	SB-PL5	NA	2 to 4 ft.

The results of the laboratory samples listed above were all below the cleanup levels and are included in Attachment 4. These results define the maximum lower vertical extent of contamination at this site.

CA RICH, 1996 - On August 22, 1996, CA RICH began implementing the Field Sampling Plan as described in the Focused Remedial Investigation Work Plan for the State Street facility dated December 20, 1995; addendums dated February 29 and May 13, 1996 (Ref. 2).

On August 23 and August 26, 1996, CA RICH began collection of soil samples at the State Street facility. Sample locations are indicated on Figure 1, and results are summarized on Table 1. Samples were collected with a Geoprobe® sampling unit and screened using an HNu Systems Photoionization Device (PID). None of the samples yielded PID readings above 1 part per million (ppm). All samples were sent to Nytest Environmental Inc. (NEI) laboratories of Port Washington, New York, a New York State-certified laboratory.

Surficial Soil Samples - Jeffrey E. Trad of NYSDEC along with Steve Marsich of CA RICH selected two locations on the westernmost portion of the subject property where surficial soil samples were to be taken. These locations are indicated on Figure 1 as SS-1 and SS-2. The soil depth at location SS-2 was only 3 inches, before a hard surface (apparently concrete) was reached. As such, no sample was collected at this location. A sample was collected at SS-1 using a properly decontaminated hand auger.

Subsurface Borings - As outlined in the Remedial Investigation Work Plan, borings B-1 through B-4 were performed.

Borings B-1 through B-3 were installed between the existing storm drain network located in the driveway of the facility. At boring B-1, samples were collected at below-grade depths of 10-12 feet, 20-22 feet, and 30-32 feet. Refusal was encountered at 37 feet below grade. Three additional attempts to penetrate beyond 37 feet at locations surrounding the initial boring were unsuccessful. At borings B-2 and B-3,

could resistance be the concretions and created by chemicals?

samples were collected at below grade depths of 10-12 feet, 20-22 feet, 30-32 feet, 40-42 feet, and 50-52 feet.

Boring B-4 was installed adjacent to a former sanitary cesspool that was abandoned in 1985. At boring B-4, samples were collected at depths of 15-17 feet, 20-22 feet, 25-27 feet, and 35-37 feet.

3.2 Groundwater Investigation

Geoprobe Groundwater Samples - On August 23 and August 26, 1996, two groundwater samples were collected at the State Street facility using the Geoprobe sampling device. A hollow probe was driven down below the water table to approximately 65 feet below grade. Plastic tubing was then inserted into the probe. Using the tube and check valve assembly, ground water was "pumped" from the 65-foot level and samples collected directly from the tubing. The samples were designated GW1 and GW2, and sample locations are indicated on Figure 1.

Monitoring Well Samples - Groundwater samples were collected on August 22, 1996 at two downgradient State Street wells, UN-11 and N11842, as directed by NYSDEC. Three volumes of water were evacuated from each well; a Keck® 1-3/4 inch diameter pump was used on UN-11, while well N11842 was hand bailed. Samples were collected using dedicated polyethylene bailers. A NYSDEC representative was provided with a "split" sample from each well. Samples were sent to NEI Laboratories. Results of analysis have been received and are summarized on Table 2.

4.0 NATURE AND EXTENT OF CONTAMINATION

4.1 Soil

Based on the earlier sampling performed by NCDH, American Consulting, and CA RICH, the following statements can be made regarding the nature and extent of soil contamination at the 125 State Street facility.

Storm Drain 1 - Soil at the bottom of this drain is contaminated with the solvents chloroform, ethyl benzene, methylene chloride, tetrachloroethane and xylene as demonstrated by the American Consulting end-point sample number 51409308 and NCDH sample 930692 collected on August 9, 1996. The bottom of the drain is approximately 15 feet below grade. Based on visual observations during our soil boring program of February, 1995, the soil is discolored down to a depth of 30 feet below grade. The sample from 30 to 32 feet below grade in this drain revealed no detections of solvents. Therefore there is a maximum of 15 feet of contaminated soil below this drain.

Storm Drain 2 - The bottom of the drain is approximately 13 feet below grade. Based on visual observations during our soil boring program of February, 1995, the soil appeared to be clean down to 19 feet. The sample from 19 to 21 feet below grade in this drain revealed no detections of solvents. Therefore there is a maximum of 6 feet of contaminated soil below this drain.

Storm Drain 3 - As indicated by both the American Consulting sample number 51429308, NCDH sample number 930690 and the NCDH's letter of March 25, 1994 there were no contaminants detected in this drain above cleanup guidelines.

Storm Drain 4 - Soil at the bottom of this storm drain contained elevated levels of the metal mercury when tested by the NCDH in 1993. The bottom of this drain is 15 feet below grade. Based on visual observations during our soil boring program of February, 1995, the soil appeared to be clean down to 19 feet. The sample from 19 to 21 feet below grade in this drain revealed no detections of solvents. Therefore there is a maximum of 4 feet of contaminated soil below this drain.

Distribution Box 5 - The bottom of distribution box 5 contained methylene chloride at 7300 ppb and 1,1,1 TCA at 1500 ppb based on NCDH sample number 930790. The bottom of this box is within a few inches of grade. A soil sample was collected from 2 to 4 feet below grade in the structure during our February 1996 boring program. This sample revealed no detections of solvents. Therefore there is a maximum of 2 feet of contaminated soil below this box.

Former Sanitary Cesspool - Boring 4 was installed adjacent to the former cesspool for this building. The samples collected from 15 to 17, 20 to 22, 25 to 27 and 35 to 37 feet below grade revealed no detections of solvents. As such, the former cesspool is no longer a suspected source of contamination.

Borings 1 through 3 - Borings 1 through 3 were installed in between drains 1, 2, 3, and 4 to determine the lateral extent, if any, of contamination. These samples revealed no detections of solvents. As such, the area between the drains is no longer a suspected source of contamination.

Surficial Soil in the rear of the building - One sample designated as SS-1 was collected in the rear of the building. This sample revealed no detections of solvents above the NYSDEC cleanup objectives. As such, the area in the rear of the building is no longer a suspected source of contamination.

4.2 Groundwater

Groundwater was sampled from one upgradient and three downgradient points at this site. The results are included on Table 2.

Upgradient - Geoprobe sample GW-2 was collected upgradient of the facility to determine the quality of the ambient groundwater entering the property. This sample revealed no detections of solvents with the exception of methylene chloride at 7 ug/l. Methylene chloride is a common laboratory cleaning agent and was also detected in the laboratory method blank.

Downgradient - Samples GW-1, N11842 and UN11 were all collected from points downgradient of the 125 State Street facility. These samples contained two classes of chlorinated solvents.

Tetrachloroethene (also known as perchloroethene or PCE) was detected at points GW-1 and UN11 at 66 and 64 ug/l, respectively. Trichloroethene (TCE), dichloroethene (DEC) and vinyl chloride (VC) -- degradation products of PCE -- were also detected at these points at varying levels.

1,1,1-Trichloroethane (TCA) was also detected at points GW-1, N11842 and UN11 at levels of 60 to 61 ug/l. The degradation products 1,1-dichloroethane (DCA) and chloroethane (CE) -- degradation products of TCA -- were also detected at these points at varying levels.

5.0 CONCLUSIONS

The sources of suspected contamination and the maximum depths required for excavation of these suspected source areas were determined in our report to NCDH included as Attachment 4. The additional soil sampling performed for this investigation has not identified any additional suspect sources of soil contamination or changed our depth estimates at the previously identified source areas.

Groundwater contamination in the form of PCE and TCA and their degradation products were identified in the three downgradient sampling points. In each case however, the maximum concentration did not exceed 200 ug/l and in most cases were significantly below 100 ug/l.

6.0 RECOMMENDATIONS

1. Based on the previously developed information and the additional data collected form the August 1996 investigation, we believe that storm drains 1, 2, 4 and distribution box 5 should be cleaned out as

described in the NCDH approved Work Plan.

2. The levels of dissolved solvents detected in the groundwater were all less than 200 ug/l and in most cases, less than 100 ug/l. Therefore, we recommend source remove at the four locations mentioned above and two years of semiannual groundwater monitoring at points N11842 and UN11 to determine the effectiveness of this effort in reducing the levels of PCE, TCA and their degradation products in these wells.

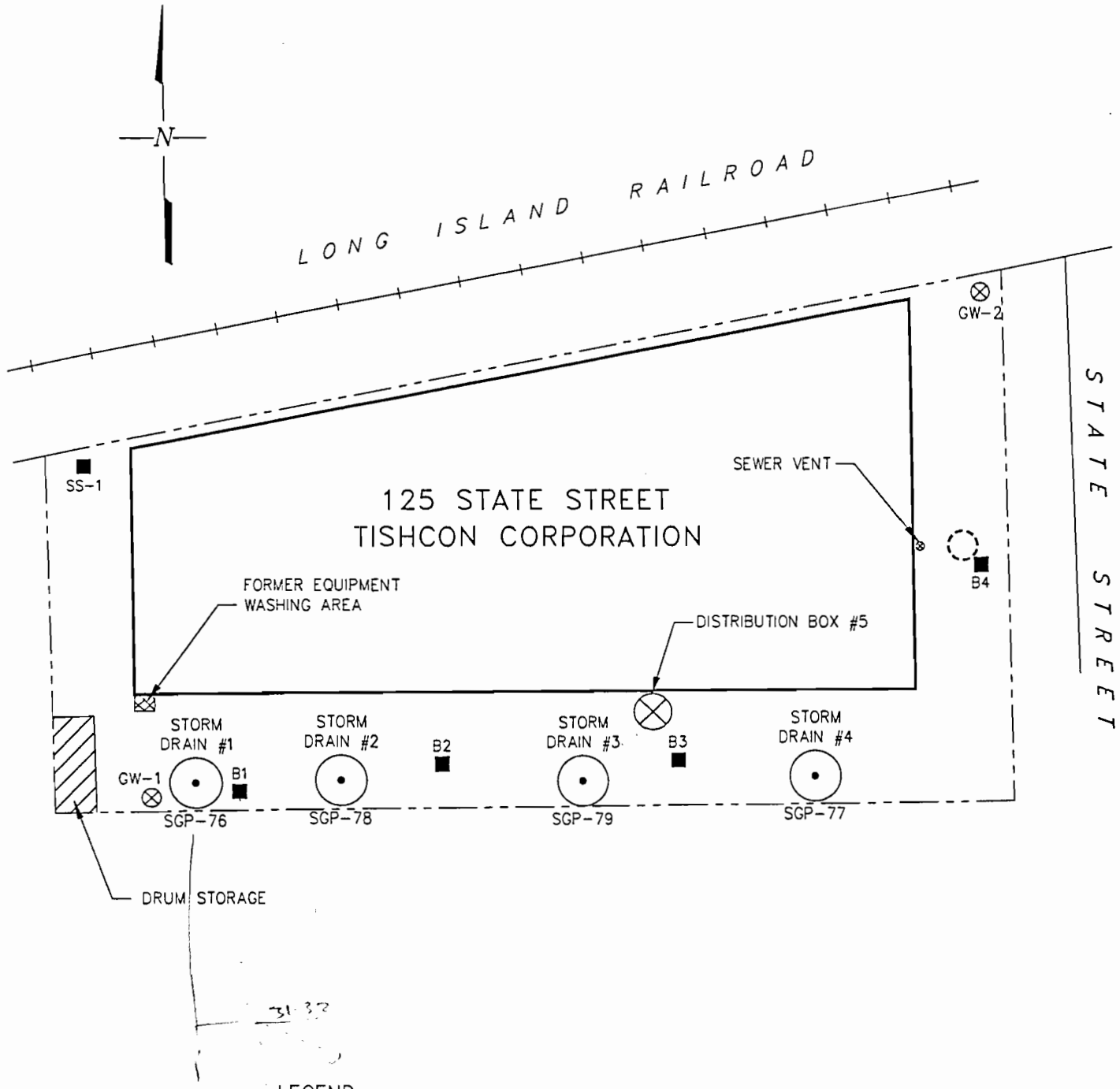
7.0 REFERENCES

1. NYSDEC, (1995), Site Investigation Report, New Cassel Industrial Area, North Hempstead, Nassau County.

2. CA RICH, (1996), Focused Remedial Investigation Work Plan, 125 State Street, Westbury, NY

users:\eric\tishcon\ri-rpts\tish-ss.doc

Figures



LEGEND

- ⊗ GEOPROBE GROUNDWATER SAMPLE LOCATION
- ■ APPROXIMATE LOCATION OF SOIL BORING LOCATION
- ○ APPROXIMATE LOCATION OF STORM DRAIN
- ◌ FORMER CESSPOOL
- SGP-76 • APPROXIMATE LOCATION OF NYSDEC SAMPLES

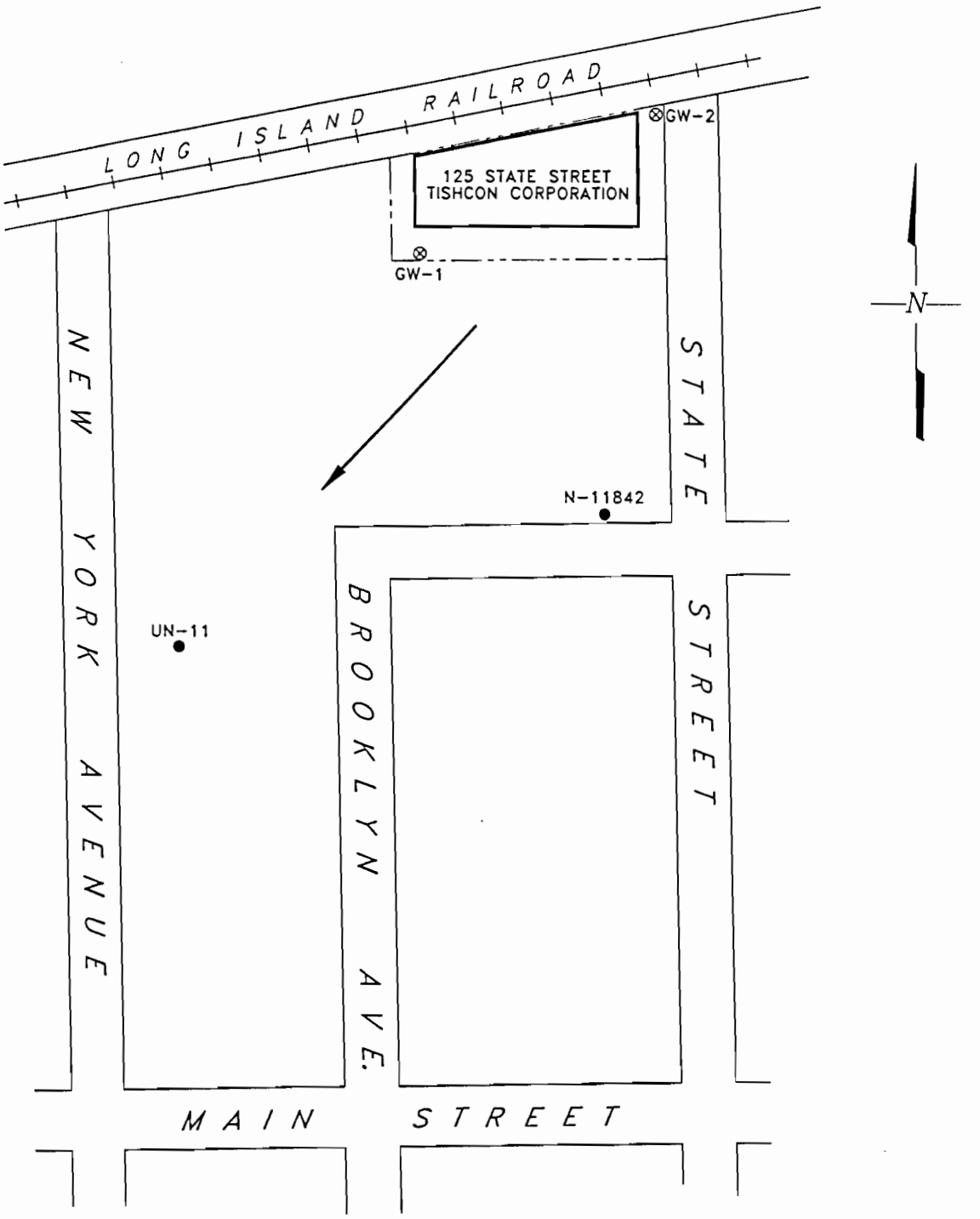
0 20 40 60 80

Scale in Feet

CA RICH CONSULTANTS, INC.

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

TITLE: TISHCON CORPORATION SOIL BORING LOCATIONS		DATE: 9/26/96
		SCALE: AS SHOWN
FIGURE: 1	TISHCON CORPORATION 125 STATE STREET WESTBURY, NEW YORK	DRAWN BY: J.J.S.
DRAWING NO: 3237-01A		APPR. BY: E.A.W.



LEGEND

⊗ GEOPROBE GROUNDWATER SAMPLES

● MONITORING WELL SAMPLES

→ PRESUMED DIRECTION OF GROUNDWATER FLOW

CA RICH CONSULTANTS, INC.

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

TITLE: TISHCON CORPORATION GROUNDWATER SAMPLING LOCATIONS	DATE: 9/27/96
	SCALE: AS SHOWN
FIGURE: 2	DRAWN BY: J.J.S.
DRAWING NO: 3237-01B	APPR. BY: E.A.W.

TISHCON CORPORATION
125 STATE STREET
WESTBURY, NEW YORK

Tables

TABLE 1

Summary of Soil Analysis
After Data Validation
Tishcon, State Street Facility

Sample ID	SS-1	B1	B-1	B-1	B-2	B-2	B-2	B-2	B-2	NYSDEC TAGM *
Depth (bls)		(10-12)	(20-22)	(30-32)	(10-12)	(20-22)	(30-32)	(40-42)	(50-52)	Cleanup Objectives
Date Sampled	8/23/96	8/23/96	8/23/96	8/23/96	8/26/96	8/26/96	8/26/96	8/26/96	8/26/96	
Volatile Organics (NYSDOH Method 91-1)										
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Chloromethane	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	NV
Bromomethane	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	NV
Vinyl chloride	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	200
Chloroethane	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	1,900
Methylene chloride	14 U	10 U	9 U	4 UJ	4 UJ	2 UJ	4 U	5 UJ	5 UJ	100
Acetone	10 J	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	12 UJ	11 UJ	200
Carbon Disulfide	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	2,700
1,1-Dichloroethene	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	400
1,1-Dichloroethane	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	200
1,2- Dichloroethene (total)	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	300
Chloroform	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	300
1,2-Dichloroethane	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	100
2-Butanone	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	300
1,1,1-Trichloroethane	5 J	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	800
Carbon Tetrachloride	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	600
Bromodichloromethane	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	NV
1,2-Dichloropropane	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	NV
cis-1,3-Dichloropropene	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	NV
Trichloroethene	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	700
Dibromochloromethane	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	NV
1,1,2-Trichloroethane	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	NV
Benzene	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	60
trans-1,3-Dichloropropene	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	NV
Bromoform	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	NV
4-Methyl-2-Pentanone	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	1,000
2-Hexanone	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	NV
Tetrachloroethene	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	1,400
1,1,2,2-Tetrachloroethane	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	600
Toluene	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	1,500
Chlorobenzene	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	1,700
Ethylbenzene	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	5,500
Styrene	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	NV
Xylene (total)	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	1,200

Notes:
ug/Kg: micrograms per Kilogram
U: compound not detected at or above detection limit. Number represents compound detection limit.
J: estimated concentration.
NV: no value is reported.

** NYSDEC Technical and Administrative Guidence Memorandum: Determination of Cleanup Objectives and Cleanup Levels; 1/24/96*

TABLE 1

Summary of Soil Analysis
After Data Validation
Tishcon, State Street Facility

Sample ID	B-3	B-3	B-3	B-3	B3Dup	B-3	B-4	B-4	B-4	B-4	FBS	NYSDEC TAGM *
Depth (bls)	(10-12)	(20-22)	(30-32)	(40-42)	(40-42)	(50-52)	(15-17)	(20-22)	(25-27)	(35-37)		Cleanup Objectives
Date Sampled	8/26/96	8/26/96	8/26/96	8/26/96	8/26/96	8/26/96	8/26/96	8/26/96	8/26/96	8/26/96	8/26/96	
Volatile Organics (NYSDOH Method 91-1)												
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Chloromethane	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	NV
Bromomethane	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	NV
Vinyl chloride	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	200
Chloroethane	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	1,900
Methylene chloride	4 UJ	8 U	4 U	5 U	21 U	5 U	4 UJ	4 UJ	4 UJ	6 UJ	2 J	100
Acetone	10 UJ	10 UJ	10 UJ	4 J	7 J	7 J	5 J	11 UJ	6 J	15 J	10 U	200
Carbon Disulfide	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	2,700
1,1-Dichloroethene	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	400
1,1-Dichloroethane	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	200
1,2- Dichloroethene (total)	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	300
Chloroform	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	300
1,2-Dichloroethane	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	100
2-Butanone	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	300
1,1,1-Trichloroethane	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	800
Carbon Tetrachloride	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	600
Bromodichloromethane	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	NV
1,2-Dichloropropane	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	NV
cis-1,3-Dichloropropene	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	NV
Trichloroethene	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	700
Dibromochloromethane	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	NV
1,1,2-Trichloroethane	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	NV
Benzene	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	60
trans-1,3-Dichloropropene	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	NV
Bromoform	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	NV
4-Methyl-2-Pentanone	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	1,000
2-Hexanone	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	NV
Tetrachloroethene	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	1,400
1,1,2,2-Tetrachloroethane	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	600
Toluene	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	1,500
Chlorobenzene	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	1,700
Ethylbenzene	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	5,500
Styrene	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	NV
Xylene (total)	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	1,200

Notes:

ug/Kg: micrograms per Kilogram

U: compound not detected at or above detection limit. Number represents compound detection limit.

J: estimated concentration.

NV: no value is reported.

** NYSDEC Technical and Administrative Guidence Memorandum: Determination of Cleanup Objectives and Cleanup Levels; 1/24/96*

TABLE 2

Summary of Groundwater Analysis
After Data Validation
Tishcon, State Street Facility

Sample ID	GW1	GW2	GW2Dup	TB	FB	N11842	UN11	TB821	FB822	NYSDEC
Date Sampled	8/26/96	8/26/96	8/26/96	8/26/96	8/26/96	8/22/96	8/22/96	8/22/96	8/22/96	TOGS*
Volatile Organics (EPA Method 8240)										
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NV
Bromomethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
Vinyl chloride	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2
Chloroethane	12	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
Methylene chloride	10 U	10 U	10 U	9 J	8 J	10 U	10 U	9 J	8 J	5
Acetone	10 U	10 U	10 U	10 U	10 U	10 U	17 U	10 U	10 U	50
Carbon Disulfide	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NV
1,1-Dichloroethene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
1,1-Dichloroethane	200	10 U	10 U	10 U	10 U	10 U	10	10 U	10 U	5
1,2- Dichloroethene (total)	92	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
Chloroform	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	7
1,2-Dichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
2-Butanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NV
1,1,1-Trichloroethane	61	10 U	10 U	10 U	10 U	61	60	10 U	10 U	5
Carbon Tetrachloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
Bromodichloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50
1,2-Dichloropropane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
cis-1,3-Dichloropropene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
Trichloroethene	36	10 U	10 U	10 U	10 U	14	3 J	10 U	10 U	5
Dibromochloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50
1,1,2-Trichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
Benzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.7
trans-1,3-Dichloropropene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
Bromoform	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50
4-Methyl-2-Pentanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NV
2-Hexanone	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	50
Tetrachloroethene	66	10 U	10 U	10 U	10 U	2 J	64	10 U	10 U	5
1,1,2,2-Tetrachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
Toluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
Chlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
Ethylbenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
Styrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
Xylene (total)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5

Notes:

ug/L: micrograms per liter

U: compound not detected at or above detection limit. Number represents compound detection limit.

J: number represents estimated concentration (below reportable limits)

NV: no value is reported

** NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values; 10-22-93*

: concentration exceeds NYSDEC TOGS levels

CA RICH CONSULTANTS, INC.

Project: Tishcon

Location: 125 State Street, Westbury, New York.

Boring Number: B-1

Date Drilled: 8-23-96, 8-26-96

Drilling Company: Zebra-Geoprobe™

Water Table Depth: ~60'

Total Depth: 37 feet

Method Used: Hydraulic Push

Inspector: Steven J. Marsich

Organic Vapor Instruments: HNU PID

Depth (feet)	Sample Interval Depth (feet)	Advance/ Recovery (feet)	Organic Vapor (PPM)	Sample Description	Strata	Comments
0						
5						
10	10-12	2/1.5	0.0	SAND, medium-coarse, tan.		Sample B-1 (10-12') collected on 8/23/96.
15						
20	20-22	2/1.5	0.0	SAND, medium-coarse, tan.		Sample B-1 (20-22') collected on 8/23/96.
25						
30	30-32	2/1.5	0.0	SAND, medium-coarse, tan.		Sample B-1 (30-32') collected on 8/26/96.
35						Refusal at 37'
40						
45						
50						
55						
60						
65						
70						
75						
80						

CA RICH CONSULTANTS, INC.

Project: Tishcon

Location: 125 State Street, Westbury, New York.

Boring Number: B-2

Date Drilled: 8-26-96

Drilling Company: Zebra-Geoprobe™

Water Table Depth: ~60'

Total Depth: 52 feet

Method Used: Hydraulic Push

Inspector: Steven J. Marsich

Organic Vapor Instruments: HNU PID

Depth (feet)	Sample Interval Depth (feet)	Advance/ Recovery (feet)	Organic Vapor (PPM)	Sample Description	Strata	Comments
0						
5						
10	10-12	2/1.5	0.0	SAND, coarse, tan.		Sample B-2 (10-12') collected.
15						
20	20-22	2/1.5	0.0	SAND, medium-coarse, tan.		Sample B-2 (20-22') collected.
25						
30	30-32	2/1.5	0.0	SAND, medium-coarse, tan.		Sample B-2 (30-32') collected.
35						
40	40-41 41-42	2/1.75	0.2	CLAY, sandy, grey SAND, coarse, tan		Sample B-2 (40-42') collected.
45						
50	50-52	2/1.5	0.0	SAND. medium-fine, tan		Sample B-2 (50-52') collected.
55						
60						
65						
70						
75						
80						

CA RICH CONSULTANTS, INC.

Project: Tishcon

Location: 125 State Street, Westbury, New York,

Boring Number: B-3

Date Drilled: 8-26-96

Drilling Company: Zebra-Geoprobe™

Water Table Depth: ~60'

Total Depth: 52 feet

Method Used: Hydraulic Push

Inspector: Steven J. Marsich

Organic Vapor Instruments: HNU PID

Depth (feet)	Sample Interval Depth (feet)	Advance/ Recovery (feet)	Organic Vapor (PPM)	Sample Description	Strata	Comments
0						
5						
10	10-12	2/1.5	0.2	SAND, coarse, tan.		Sample B-3 (10-12') collected.
15						
20	20-22	2/1.5	0.0	SAND, medium-coarse, tan.		Sample B-3 (20-22') collected.
25						
30	30-32	2/1.5	0.3	SAND, medium-coarse, tan.		Sample B-3 (30-32') collected.
35						
40	40-42	2/1.5	0.0	SAND, medium-fine, tan		Sample B-3 (40-42') collected.
45						
50	50-52	2/1.5	0.0	SAND. medium-fine, tan		Sample B-3 (50-52') collected.
55						
60						
65						
70						
75						
80						

CA RICH CONSULTANTS, INC.

Project: Tishcon

Location: 125 State Street, Westbury, New York.

Boring Number: B-3

Date Drilled: 8-26-96

Drilling Company: Zebra-Geoprobe™

Water Table Depth: ~60'

Total Depth: 47 feet

Method Used: Hydraulic Push

Inspector: Steven J. Marsich

Organic Vapor Instruments: HNU PID

Depth (feet)	Sample Interval Depth (feet)	Advance/ Recovery (feet)	Organic Vapor (PPM)	Sample Description	Strata	Comments
0						
5						
10						
15	15-17	2/1.5	0.0	SAND, coarse, tan.		Sample B-4 (15-17') collected.
20						
25	25-27	2/1.5	0.0	SAND, coarse, tan.		Sample B-4 (25-27') collected.
30						
35	35-37	2/1.5	0.0	SAND, coarse, tan.		Sample B-4 (35-37') collected.
40						
45	45-47	2/1.5	0.0	SAND, coarse, tan.		Sample B-4 (45-47') collected.
50						
55						
60						
65						
70						
75						
80						

CA RICH CONSULTANTS, INC.

Project: Tishcon

Location: 125 State Street, Westbury, New York.

Boring Number: GW-1

Date Drilled: 8-26-96

Drilling Company: Zebra-Geoprobe™

Water Table Depth: ~60'

Total Depth: 61 feet

Method Used: Hydraulic Push

Inspector: Steven J. Marsich

Organic Vapor Instruments: HNU PID

Depth (feet)	Sample Interval Depth (feet)	Advance/ Recovery (feet)	Organic Vapor (PPM)	Sample Description	Strata	Comments
0						
5						
10						
15						
20						
25						
30						
35						
40						
45						
50						
55						
60	60-61			Groundwater		Groundwater sample GW1 collected
65						
70						
75						
80						

CA RICH CONSULTANTS, INC.

Project: Tishcon

Location: 125 State Street, Westbury, New York.

Boring Number: GW-2

Date Drilled: 8-26-96

Drilling Company: Zebra-Geoprobe™

Water Table Depth: ~60'

Total Depth: 61 feet

Method Used: Hydraulic Push

Inspector: Steven J. Marsich

Organic Vapor Instruments: HNU PID

Depth (feet)	Sample Interval Depth (feet)	Advance/ Recovery (feet)	Organic Vapor (PPM)	Sample Description	Strata	Comments
0						
5						
10						
15						
20						
25						
30						
35						
40						
45						
50						
55						
60	60-61			Groundwater		Groundwater sample GW-2 collected
65						
70						
75						
80						

Attachment 1

TABLE 5-20 (Page 1 of 2)

GEOPROBE CHLORINATED HYDROCARBONS DATA SUMMARY (JUNE & JULY 1994)

Soil Sample Results
New Cassel Industrial Area

Sample Point I.D.	Actual Sample Depth	Vinyl chloride	1,1-DCE	Methylene chloride	1,2-t-DCE	1,1-DCA	1,2-c-DCE	1,1,1-TCA	Carbon tetrachloride	1,2-DCA	TCE	PCE
SGP-43	10-12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SGP-43	25-27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SGP-44	14-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SGP-44	25-27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SGP-45	12-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SGP-45	25-27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SGP-46	12-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SGP-47	12-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SGP-48	8-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4
SGP-49	12-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SGP-51	25-27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SGP-52	25-27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SGP-54	17-19	ND	ND	ND	ND	ND	ND	0.4	ND	ND	ND	0.5
SGP-55	12-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SGP-59	12-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.3
SGP-60	10-21	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND
SGP-66	20-22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SGP-66	40-42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SGP-66	55-57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SGP-67	16-18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SGP-67	24-26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SGP-68	20-22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SGP-68	40-42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SGP-68	55-57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SGP-71	15-17	ND	ND	19.0	ND	3.3	ND	9.2	ND	ND	1.0	19.0
SGP-71	20-22	ND	ND	12.0	ND	2.6	ND	3.4	ND	ND	1.4	32.0
SGP-76	17-19	ND	ND	1500 E	ND	350.0	ND	9.7	ND	ND	ND	ND
SGP-76	27-29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SGP-77	17-19	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND
SGP-77	27-29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SGP-78	47-49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SGP-79	17-19	ND	ND	ND	ND	ND	ND	2.6	ND	ND	ND	BQL

All data in µg/kg
ND - Not detected.
BQL - Below the quantitation limit.
Disk No.: NC-DATA.XLS Sols 1/11/95 8:57:26 AM

TABLE 5-22 (Page 1 of 3)

GEOPROBE BTEX DATA SUMMARY (JUNE & JULY 1994)

Soil Sample Results
New Cassel Industrial Area

Sample Point I.D.	Actual Sample Depth	Benzene	Toluene	Chlorobenzene	Ethylbenzene	m-,p-Xylene	o-Xylene	m-Dichlorobenzene	p-Dichlorobenzene	o-Dichlorobenzene
SGP-43	10-12	ND	ND	ND	ND	ND	ND	ND	ND	ND
SGP-43	25-27	ND	ND	ND	ND	ND	ND	-	-	-
SGP-44	14-16	ND	ND	ND	ND	ND	ND	-	-	-
SGP-44	25-27	ND	ND	ND	ND	ND	ND	-	-	-
SGP-45	12-14	ND	ND	ND	ND	ND	ND	-	-	-
SGP-45	25-27	ND	ND	ND	ND	ND	ND	-	-	-
SGP-46	12-14	ND	ND	ND	ND	ND	ND	-	-	-
SGP-47	12-14	ND	ND	ND	ND	ND	ND	-	-	-
SGP-48	8-10	ND	2.4	ND	ND	6.0	4.6	-	-	-
SGP-49	12-14	ND	ND	ND	ND	ND	ND	-	-	-
SGP-51	25-27	ND	ND	ND	ND	ND	ND	-	-	-
SGP-52	25-27	ND	ND	ND	ND	2.6	1.2	ND	ND	ND
SGP-54	17-19	ND	ND	ND	ND	3.3	11.0	-	-	-
SGP-55	12-14	ND	ND	ND	ND	ND	ND	-	-	-
SGP-59	12-14	ND	ND	ND	ND	ND	ND	-	-	-
SGP-60	10-21	ND	ND	ND	ND	2.2	1.3	-	-	-
SGP-66	20-22	ND	ND	ND	ND	ND	ND	-	-	-
SGP-66	40-42	ND	ND	ND	ND	ND	ND	-	-	-
SGP-66	55-57	ND	ND	ND	ND	ND	ND	-	-	-
SGP-67	16-18	ND	ND	ND	ND	ND	ND	-	-	-
SGP-67	24-26	ND	ND	ND	ND	ND	ND	-	-	-
SGP-68	20-22	ND	ND	ND	ND	ND	ND	-	-	-
SGP-68	40-42	ND	ND	ND	ND	ND	ND	-	-	-
SGP-68	55-57	ND	ND	ND	ND	ND	ND	-	-	-
SGP-71	15-17	ND	ND	ND	ND	11.0	5.9	-	-	-
SGP-71	20-22	ND	3.1	ND	2.4	31.0	17.0	-	-	-
SGP-76	17-19	ND	180.0	ND	470.0	4400 E	550 E	-	-	-
SGP-76	27-29	ND	BQL	ND	44.0	570 E	220.0	-	-	-

All data in µg/kg
ND - Not detected.
BQL - Below the quantitation limit.
Disk No.: NC-DATA.XLS Soils 1/11/95 8:57:26 AM

TABLE 5-22 (Page 2 of 3)

GEOPROBE BTEX DATA SUMMARY (JUNE & JULY 1994)

Soil Sample Results
New Cassel Industrial Area

Sample Point I.D.	Actual Sample Depth	Benzene	Toluene	Chlorobenzene	Ethylbenzene	m-,p-Xylene	o-Xylene	m-Dichlorobenzene	p-Dichlorobenzene	o-Dichlorobenzene
SGP-77	17-19	ND	6.1	ND	ND	10.0	4.7	-	-	-
SGP-77	27-29	ND	ND	ND	ND	2.4	1.3	-	-	-
SGP-78	47-49	ND	ND	ND	ND	1.9	BQL	-	-	-
SGP-79	17-19	ND	10.0	ND	ND	6.6	2.9	-	-	-
SGP-79	27-29	ND	BQL	ND	ND	3.2	1.6	-	-	-
SGP-80	25-27	ND	ND	ND	ND	1.9	1.1	-	-	-
SGP-80	50-52	ND	ND	ND	ND	ND	ND	-	-	-
SGP-81	25-27	ND	ND	ND	ND	ND	ND	-	-	-
SGP-81	47-49	ND	ND	ND	ND	1.5	ND	-	-	-
SGP-82	25-27	ND	ND	ND	ND	ND	ND	-	-	-
SGP-83	25-27	ND	ND	ND	ND	ND	ND	-	-	-
SGP-86	25-27	ND	ND	ND	ND	2.9	1.7	-	-	-
SGP-86	50-52	ND	ND	ND	ND	ND	ND	-	-	-
SGP-88	25-27	ND	ND	ND	ND	ND	ND	-	-	-
SGP-88	50-52	ND	ND	ND	ND	ND	ND	-	-	-
SGP-89	19-21	ND	ND	ND	ND	2.7	ND	ND	ND	ND
SGP-90	25-27	ND	BQL	ND	ND	2.1	BQL	ND	ND	ND
SGP-91	25-27	ND	ND	ND	ND	ND	ND	ND	ND	ND
SGP-93	25-27	ND	ND	ND	ND	ND	ND	ND	ND	ND
SGP-94	24-26	ND	ND	ND	ND	ND	ND	ND	ND	ND
SGP-95	25-27	ND	ND	ND	ND	2.1	BQL	ND	ND	ND
SGP-97	25-27	ND	BQL	ND	ND	3.7	BQL	ND	ND	ND
SGP-97	50-52	ND	ND	ND	ND	BQL	ND	ND	ND	ND
SGP-100	17-19	ND	ND	ND	ND	ND	ND	ND	ND	ND
SGP-101	17-19	ND	ND	ND	ND	ND	ND	ND	BQL	ND
SGP-101	25-27	ND	ND	ND	ND	ND	ND	ND	ND	ND
SGP-103	13-16	ND	ND	ND	ND	ND	ND	ND	ND	ND
SGP-103	25-27	ND	ND	ND	ND	ND	ND	ND	ND	ND

All data in µg/kg
ND - Not detected.
BQL - Below the quantitation limit.
Disk No.: NC-DATA.XLS Soils 1/11/95 8:57:26 AM

5-1V2

Attachment 2

THOMAS S. GULOTTA
COUNTY EXECUTIVE

ABBY J. GREENBERG, M.D.
ACTING COMMISSIONER

COUNTY OF NASSAU
DEPARTMENT OF HEALTH
240 OLD COUNTRY ROAD
MINEOLA, N.Y. 11501-4250

CERTIFIED MAIL

March 25, 1994

Mr. Michael J. Padula
C/O Tishcon Corp.
30 New York Avenue
Westbury, New York 11590

Re: Tishcon Corp.
125 State Street
Westbury, New York 11590
Facility Id. #3832

Dear Mr. Padula:

On August 9, 1993 and September 2, 1993 a representative of this Department collected samples and accepted split samples of soil and sludge at the above referenced property. The results of laboratory analysis of these samples indicate significant contamination to the soil and possibly to the groundwater. Copies of these test results along with an area diagram are enclosed for your examination.

The concentrations of the indicated contaminants exceed allowable limits and thereby represent violations of Article XI of the Nassau County Public Health Ordinance (NCPHO) and Articles 17 and 27 of the Environmental Conservation Law (ECL) of the State of New York. These violations are as follows:

ECL - Article 17 Section 17-0505 - Discharging industrial wastes without a permit

ECL - Article 27 Section 27-0913 and New York Code of Rules and Regulation (NYCRR) Section 373-1.2 operating a hazardous waste facility without a permit

NCPHO-Article XI Section 5a - Discharging hazardous materials or wastes without a permit

NCPHO-Article XI Section 6a. operating a toxic and hazardous materials storage facility without a permit

In order to address these problems Tishcon Corp. is required to perform

the following:

1). By April 25th Tishcon Corp. must have submitted a work plan to this Department by a Professional Engineer licensed in the State of New York with experience in investigation and remediation of soil and groundwater contamination. This plan is to include a schedule of proposed work for the identification and removal of contaminated liquids, sludges and soils at 125 State Street, Westbury, New York. The plan must address all contamination on site including those locations on the action list which follows:

A). Pool 1: Removal of contaminated sludges and soils employing field screening and subsequent laboratory analysis of end point samples to determine if the remediation has been completed.

B). Pool 2: Sample the sludge after providing this Department with a split sample. The sludge is to be removed if it is contaminated and an end point sample taken for lab analysis.

C). Pool 3: No action is required at this time. Contamination is within current guidelines.

D). Pool 4: After the sludge is removed you must take an end point sample.

E). Pool 5: This unsealed distribution box must have its sludge and contaminated soils removed. Any replacement of this system must be done under a work permit from the Nassau County Department of Public Works.

F). The Heating, Ventilating, Air Conditioning system's condensate pipe discharge must be stopped immediately if not already stopped. The discharge was found to contain chlorinated Volatile organic compounds.

G). The soil in the back filled sewer line trench within 15 feet of the condensate pipe discharge must be field screened and sampled for laboratory analysis. If feasible the contaminated soil is to be removed. If not feasible other remediation is to be proposed.

1). The proposed analysis of the work plan must include chlorinated and aromatic volatile hydrocarbons, Ketones, Total Petroleum hydrocarbons, and the eight RCRA priority metals by both total digestion and TCLP methods.

2). When the work plan is completed you must send it to this office accompanied by a letter officially accepting the work plan and its implementation.

3). After approval of the work plan by this Department, Tishcon Corporation, or its representative, must notify this Department at least (5) business days prior to conducting field work so that a Department representative may observe the work and accept split samples.

4). All toxic and hazardous materials must be removed by a New York State Department of Environmental Conservation (NYSDEC) industrial waste transporter. Disposal is to be done at an NYS DEC or United States Environmental Protection Agency licensed disposal facility.

5). Upon completion of field work a report detailing the accomplishments of the field work is to be submitted to this Department. Additionally, the report is to indicate what contamination, if any, is remaining on site and what study and remediation are proposed to deal with it.

The initial work plan may be submitted in letter form rather than a lengthy bound report. This will reduce the time required to prepare the work plan and the time required for review and commentary on the plan by this Department. Be advised that approval of the work plan is required prior to commencement of field work.

If you have any questions concerning this matter, please contact me or Mr. Peter Paul at 571-3314.

Very truly yours,

Thomas R. Norris

Thomas R. Norris
Chief, Office of Source Regulations
Bureau of Environmental Management

TRN:jk
3110J
Enc.

NOTES:

CONTAMINATION STATUS

POOL-1 HEAVY HALOGENATED AROMATIC, FUEL OIL } Remove DW

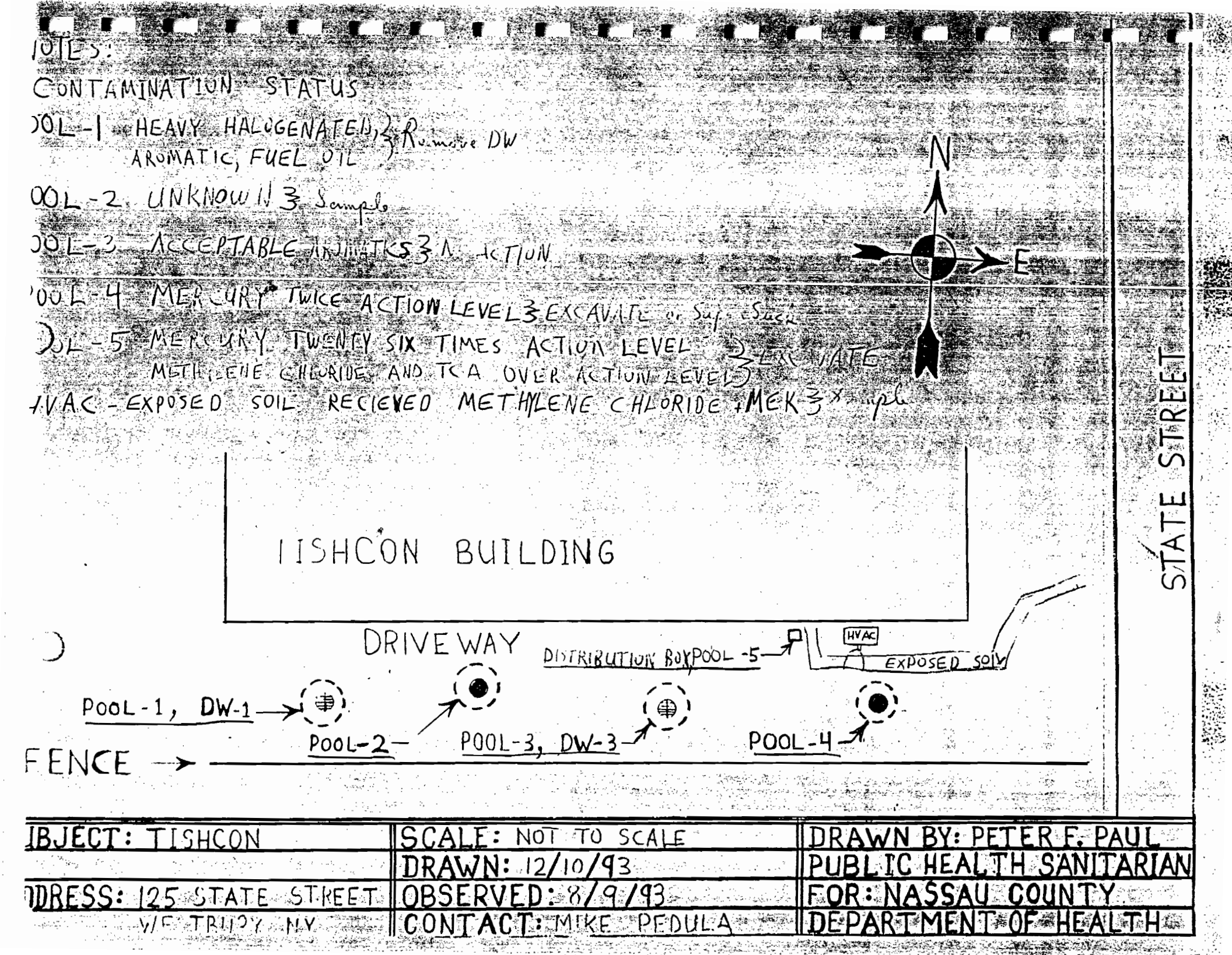
POOL-2 UNKNOWN 3 Samples

POOL-3 ACCEPTABLE ANALYTICS 3 ACTION

POOL-4 MERCURY TWICE ACTION LEVEL 3 EXCAVATE & Surface Stock

POOL-5 MERCURY TWENTY SIX TIMES ACTION LEVEL } 3 EXCAVATE
METHYLENE CHLORIDE AND TCA OVER ACTION LEVEL }

HVAC - EXPOSED SOIL RECIEVED METHYLENE CHLORIDE + MEK 3 x ppb



OBJECT: TISHCON	SCALE: NOT TO SCALE	DRAWN BY: PETER F. PAUL
	DRAWN: 12/10/93	PUBLIC HEALTH SANITARIAN
ADDRESS: 125 STATE STREET	OBSERVED: 8/9/93	FOR: NASSAU COUNTY
W/F TRUPY NY	CONTACT: MIKE PEDULA	DEPARTMENT OF HEALTH

Pool 1

LABORATORY WORKSHEET

CHEMICAL EXAMINATION FOR TRACE ORGANIC CONSTITUENTS IN WATER, HAZARDOUS WASTES SOLID WASTES

Center for Laboratories and Research

Nassau County Department of Health

1 ☑ Routine
2 ☐ Resample
3 ☐ Special
4 ☐ Complaint
5 ☐ Other

Lab. No. 930686

Field No. P-080993-1

N. No. (Public Water Supply Only)

Source Information (Please Print)

Premises	Tischcon
Address	125 State St
Town	Westbury NY
Collection Point	18½' BG 3½' BB
Well No.	DW-1

	Month	Day	Year
Date Collected	8	9	93
Date Received	8	14	93
Date Reported			

Collection Time 1505 Hr

Collected By: P. F. Paul

Sampler's Comments: Save Portion for Extraction
1) Sample on ice
2) Photo ionizer showed 138 units by headspace
3) BG = Below Grade
4) BB = Below Bottom of max excavation of pool
5) Consultant's portion was airated when used for headspace and is invalid for Quantitative Analysis

Bureau
1 ☐ Land Resources Management
2 ☐ Public Water Supply
3 ☐ Water Pollution Control
4 ☑ Environmental ~~Sanitation~~ mgmt
9 ☐ Other (specify)

SAMPLE TYPE

AQUEOUS				NON-AQUEOUS	
1	Community Well	6	Surface Water	①	Soil
2	Non-Community Well	7	Waste Water	2	Sludge
3	Private Well	8	Industrial Effluent	3	Waste Solvent
4	Monitoring Well	9	Raw Supply Water	4	Oil
5	Drinking Water	10	Distribution Water	5	Other (specify)

ANALYSIS TYPE

A)	Purgeable Organic compounds
B)	Other (specify) Ketones

Examiner's Comments:

Pool 1

TRACE ORGANICS

DATE SAMPLED: 08/19/93
DATE ANALYZED: 09/26/93

	RESULT		MRL
VOLATILE HALOCARBONS			
VINYL CHLORIDE	2500	<	2500
TRICHLOROFLUOROMETHANE	2500	<	2500
1,1-DICHLOROETHYLENE	2500	<	2500
METHYLENE CHLORIDE	2500	<	2500
trans-1,2-DICHLOROETHYLENE	2500	<	2500
1,1-DICHLOROETHANE	2500	<	2500
BROMOCHLOROPROPANE	5000	<	5000
cis-1,2-DICHLOROETHYLENE	2500	<	2500
CHLOROFORM	2500	<	2500
BROMODICHLOROMETHANE	2500	<	2500
1,1,1-TRICHLOROETHANE	2500		12000
1,1-DICHLOROPROPENE	2500	<	2500
CARBON TETRACHLORIDE	2500	<	2500
1,2-DICHLOROETHANE	2500	<	2500
TRICHLOROETHYLENE	2500	<	2500
1,2-DICHLOROPROPANE	2500	<	2500
BROMODICHLOROMETHANE	2500	<	2500
DIBROMOMETHANE	2500	<	2500
cis-1,3-DICHLOROPROPENE	2500	<	2500
trans-1,3-DICHLOROPROPENE	2500	<	2500
1,1,2-TRICHLOROETHANE	2500	<	2500
1,3-DICHLOROPROPANE	2500	<	2500
TETRACHLOROETHYLENE	2500	<	2500
DIBROMOCHLOROMETHANE	2500	<	2500
1,2-DIBROMOETHANE	2500	<	2500
1,1,1,2-TETRACHLOROETHANE	2500	<	2500
BROMOFORM	2500	<	2500
1,1,2,2-TETRACHLOROETHANE	2500	<	2500
1,2,3-TRICHLOROPROPANE	2500	<	2500
1,2-DIBROMO-3-CHLOROPROPANE	2500	<	2500

MRL - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED
NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
PPB: AIR - nl/l WATER - ug/l SOIL - ng/g

Proof 1

[illegible] FOR LABORATORIES AND [illegible]
[illegible] ENTAL RESULTS LABORATORIES

TRACE ORGANICS

[illegible]	[illegible]
SOURCE	TISHCON - 125 STATE ST., WESTBURY
MATRIX	SOIL
DATA	10.0' DG 3.5' ES, WELL DW-1
DATE COLLECTED	08/09/93
DATE OF REPORT	09/20/93

POLLUTANT/PARAMETER	MRQ (ug/g)	RESULT (ug/g)
[illegible]BENZENE	1250	< 1250
TOLUENE	1300	< 1300
ETHYLBENZENE	2500	< 2500
[illegible]XYLENE	1500	1000
[illegible]ENE	1500	5600
[illegible]ENE	2500	43000
STYRENE	2500	< 2500
N-BUTYLBENZENE	2500	< 2500
ISOPROPYLBENZENE	2500	< 2500
[illegible]BENZENE	2500	< 2500
[illegible]TRIMETHYLBENZENE	2500	< 2500
[illegible]TRIMETHYLBENZENE	2500	< 2500
[illegible]TOLUENE	2500	< 2500
[illegible]TOLUENE	2500	< 2500
[illegible]YLBENZENE	2500	< 2500
[illegible]YLENE	5000	< 5000
[illegible]BUTYLBENZENE	2500	< 2500
[illegible]PROPYLTOLUENE	2500	< 2500
[illegible]LOROBENZENE	2500	< 2500
[illegible]LOROBENZENE	2500	< 2500
[illegible]LOROBENZENE	2500	< 2500
[illegible]TRICHLOROBENZENE	2500	< 2500
[illegible]TRICHLOROBENZENE	2500	< 2500
[illegible]LOROBUTADIENE	2500	< 2500
[illegible]THALENE	2500	< 2500

MRQ - MINIMUM REPORTABLE QUANTITATION NA - NOT ANALYZED
NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
PPB: AIR - ng/l WATER - ug/l SOIL - ug/g

LABORATORY WORKSHEET

CHEMICAL EXAMINATION FOR TRACE ORGANIC CONSTITUENTS

IN WATER, HAZARDOUS WASTES AND SOLID WASTES

Center for Laboratories and Research

Nassau County Department of Health

1 [X] Routine
2 [ ] Resample
3 [ ] Special
4 [ ] Complaint
5 [ ] Other

Lab No. 930689 J

Field No. P-080993-1

N No. (Public Water Supply Only)

Source Information (Please Print)

Premises: Tishcon

Address: 125 State St

Town: Westbury NY

Collection Point: 18½' BG, 3 Well No. DW-1

½' BB

	Month	Day	Year
Date Collected	8	9	93
Date Received	AUG	09	1993
Date Reported	OCT 2		1993
Collection Time	15:05	Hrs	
Collected By:	P.F. Paul		

Sampler's Comments: Save portion For Purgable analysis

1) Sample on ice
2) Heavy contamination inc volatiles
3) BG = Below Grade
4) BB = Below Bottom of maximum excavation of pool
5) Consultants samples taken in questionable bottles
6) Exploratory Sample - Not End Point

Bureau
1 [ ] Land Resources Management
2 [ ] Public Water Supply
3 [ ] Water Pollution Control
4 [X] Environmental ~~Sanitation~~ mgmt
9 [ ] Other (specify)

SAMPLE TYPE

Aqueous				Non-Aqueous	
1	Community Well	6	Surface Water	(1)	Soil
2	Non-Community Well	7	Waste Water	2	Sludge
3	Private Well	8	Industrial Effluent	3	Waste Solvent
4	Monitoring Well	9	Raw Supply Water	4	Oil
5	Drinking Water	10	Distribution Water	5	Other (specify)

ANALYSIS TYPE

E	Halogenated pesticides	K	Herbicides
(F)	Polychlorinated biphenyls	L	Nitrosamines
(G)	Polycyclic aromatic hydrocarbons	M	Benzidines
~~(H)~~	Aldehydes and Ketones	N	Nitroaromatic hydrocarbons
I	Phenols	O	Haloethers
(J)	Phthalates	P	Chlorinated hydrocarbons
		(Q)	Other (specify) Fuel Oils

Examiner's Comments

DL 2118 7/89

JAN - 4 1994

NASSAU COUNTY HEALTH DEPARTMENT
CENTER FOR LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

TRACE ORGANICS

Access Number: 930689
Source: TISCHCON - 125 STATE ST., WESTBURY
Matrix: SOIL
Site: 18.5' BG 3.5' BB WELL DW-1
Date Sampled: 08/09/93
Date of Report: 10/18/93

POLYCHLORINATED BIPHENYLS	MRC (ng/g)	RESULT (ng/g)
PCB-1016	440	< 440
PCB-1221	440	< 440
PCB-1232	440	< 440
PCB-1242	440	< 440
PCB-1248	440	< 440
PCB-1254	440	< 440
PCB-1260	440	< 440

POLYCYCLIC AROMATIC HYDROCARBONS	MRC (ng/g)	RESULT (ng/g)
NAPHTHALENE	40	< 40
ACENAPHTHYLENE	40	< 40
ACENAPHTHENE	40	390
FLUORENE	40	74
PHENANTHRENE	40	< 40
ANTHRACENE	40	< 40
FLUORANTHENE	40	< 40
PYRENE	40	< 40
BENZO(a)ANTHRACENE	40	< 40
CHRYSENE	40	< 40
BENZO(b)FLUORANTHENE	40	< 40
BENZO(k)FLUORANTHENE	40	< 40
BENZO(a)PYRENE	40	< 40
DIBENZO(a,h)ANTHRACENE	40	< 40
BENZO(GHI)PERYLENE	40	< 40
INDENO(1,2,3-c,d)PYRENE	40	< 40

MRC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED
NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
PPB: AIR - nl/l WATER - ug/l SOIL - ng/g

NASSAU COUNTY HEALTH DEPARTMENT
CENTER FOR LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

TRACE ORGANICS

Access Number: 930689
Source: TISCHCON - 125 STATE ST., WESTBURY
Matrix: SOIL
Site: 18.5' BG 3.5' BB, WELL OW-1
Date Sampled: 08/09/93
Date of Report: 10/18/93

PHTHALATES	MRC (ng/g)		RESULT (ng/g)
DIMETHYL PHTHALATE	440	<	440
DIETHYL PHTHALATE	440	<	440
DI-n-BUTYL PHTHALATE	440	<	440
BUTYLBENZYL PHTHALATE	440	<	440
bis(2-ETHYLHEXYL) PHTHALATE	440	<	440
DI-n-OCTYL PHTHALATE	440	<	440

FUEL OILS	MRC (ng/g)		RESULT (ng/g)
FUEL OIL NO 2	100	<	NA

MRC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED
NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
PPB: AIR - nl/l WATER - ug/l SOIL - ng/g

NASSAU COUNTY HEALTH DEPARTMENT
CENTER FOR LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

TRACE ORGANICS

Access Number: 930689
Source: TISCHCON - 125 STATE ST. [illegible]
Matrix: SOIL
Site: 18.5' BG 3.5' BB, WELL DW-1
Date Sampled: 08/09/93
Date of Report: 01/06/94

	MRC (ng/g)	RESULT (ng/g)
FUEL OILS		
FUEL OIL NO 2	4000	< 4000

Comment: Some components of fuel oil detected, but not enough to verify as fuel oil.

MRC - MINIMUM REPORTABLE CONCENTRATION ND - NOT ANALYZED
NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
PPB: AIR - nl/l WATER - ug/l SOIL - ng/g

NASSAU COUNTY HEALTH DEPARTMENT
NASSAU CENTER FOR LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

TRACE ORGANICS

ACCESS NUMBER: 930692
SOURCE: TISCHCON - 125 STATE ST., ALBANY
MATRIX: SLUDGE
SITE: END POINT, WELL DW-1
DATE SAMPLED: 08/09/93
DATE OF REPORT: 09/02/93

	MRC (ug/g)		RESULT (ug/g)
VOLATILE HALOGENATED			
VINYL CHLORIDE	50	<	50
TRICHLOROFLUOROMETHANE	50	<	50
1,1-DICHLOROETHYLENE	50		2400
METHYLENE CHLORIDE	50	<	50
t-1,2-DICHLOROETHYLENE	50	<	50
1,1-DICHLOROETHANE	50	<	100
2,2-DICHLOROPROPANE	50	<	50
c-1,2-DICHLOROETHYLENE	50	<	50
CHLOROFORM	50		95
BROMOCHLOROMETHANE	50		250
1,1,1-TRICHLOROETHANE	50	<	50
1,1-DICHLOROPROPENE	50	<	50
CARBON TETRACHLORIDE	50	<	50
1,2-DICHLOROETHANE	50	<	50
TRICHLOROETHYLENE	50	<	50
1,2-DICHLOROPROPANE	50	<	50
BROMODICHLOROMETHANE	50	<	50
DIBROMOMETHANE	50	<	50
c-1,3-DICHLOROPROPENE	50	<	50
t-1,3-DICHLOROPROPENE	50	<	50
1,1,2-TRICHLOROETHANE	50	<	50
1,3-DICHLOROPROPANE	50	<	50
TETRACHLOROETHYLENE	50	<	50
DIBROMOCHLOROMETHANE	50	<	50
1,2-DIBROMOETHANE	50	<	50
1,1,1,2-TETRACHLOROETHANE	50	<	50
BROMOFORM	50	<	50
1,1,2,2-TETRACHLOROETHANE	50	<	50
1,2,3-TRICHLOROPROPANE	50	<	50
1,2-DIBROMO-3-CHLOROPROPANE	50	<	50

MRC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED
NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
PPB: AIR - ml/l WATER - ug/l SOIL - ng/g

Pool 1

NASSAU COUNTY HEALTH DEPARTMENT
CENTER FOR LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

TRACE ORGANICS

ACCESS NUMBER: 930692
SOURCE: [illegible] - 125 STATE ST, [illegible]
MATRIX: SLUDGE
SITE: END POINT, WELL DW-1
DATE SAMPLED: 08/09/93
DATE OF REPORT: 09/02/93

VOLATILE AROMATICS	MRC (ug/g)	RESULT (ug/g)
BENZENE	25	< 25
TOLUENE	50	< 50
CHLOROBENZENE	50	< 50
ETHYLBENZENE	50	< 50
o-XYLENE	50	< 50
m,p-XYLENE	50	< 50
STYRENE	50	< 50
n-PROPYLBENZENE	50	< 50
ISOPROPYLBENZENE	50	< 50
BROMOBENZENE	50	< 50
1,2,4-TRIMETHYLBENZENE	50	< 50
1,3,5-TRIMETHYLBENZENE	50	< 50
2-CHLOROTOLUENE	50	< 50
4-CHLOROTOLUENE	50	< 50
n-BUTYLBENZENE	50	< 50
sec-BUTYLBENZENE	50	< 50
tert-BUTYLBENZENE	50	< 50
p-ISOPROPYLTOLUENE	50	< 50
o-DICHLOROBENZENE	50	< 50
m-DICHLOROBENZENE	50	< 50
p-DICHLOROBENZENE	50	< 50
1,2,3-TRICHLOROBENZENE	50	< 50
1,2,4-TRICHLOROBENZENE	50	< 50
HEXACHLOROBUTADIENE	50	< 50
NAPHTHALENE	50	< 50

COMMENT: KETONES NOT DETECTED

MRC = MINIMUM REPORTABLE CONCENTRATION NA = NOT ANALYZED
NR = NO RESULT DUE TO TECHNICAL REASONS RESAMPLE SUGGESTED
PPB: AIR - nl/l WATER - ug/l SOIL - ng/g

Pool 1

LABORATORY WORKSHEET

CHEMICAL EXAMINATION FOR TRACE ORGANIC CONSTITUENTS IN WATER, HAZARDOUS WASTES AND SOLID WASTES

Center for Laboratories and Research

Nassau County Department of Health

1 ☑ Routine
2 ☐ Resample
3 ☐ Special
4 ☐ Complaint
5 ☐ Other

Lab No. 930693 J

Field No. P-080993-3

N No. (Public Water Supply Only)

Source Information (Please Print)

Premises: Tisk con
Address: 125 State St
Town: Westbury NY
Collection Point: End of Pipe Well No. DW-1

	Month	Day	Year
Date Collected	8	9	93
Date Received	AUG	04	1993
Date Reported	OCT	20	1993
Collection Time	1630	HRS	
Collected By:	P.F.	P.I.	

Sampler's Comments: Save portion for Purgable analysis
Sample on ice
Appears to be colloidal - may be paint waste

Bureau
1 ☐ Land Resources Management
2 ☐ Public Water Supply
3 ☐ Water Pollution Control
4 ☑ Environmental Sanitation Mgmt
9 ☐ Other (Specify)

SAMPLE TYPE

Aqueous				Non-Aqueous	
1	Community Well	6	Surface Water	11	Soil
2	Non-Community Well	7	Waste Water	12	Sludge
3	Private Well	8	Industrial Effluent	13	Waste Solvent
4	Monitoring Well	9	Raw Supply Water	14	Oil
5	Drinking Water	10	Distribution Water	15	Other (Specify)

ANALYSIS TYPE

E	Halogenated pesticides	K	Herbicides
F	Polychlorinated biphenyls	L	Nitrosamines
G	Polycyclic aromatic hydrocarbons	M	Benzidines
H	Aldehydes and Ketones	N	Nitroaromatic hydrocarbons
I	Phenols	O	Haloethers
J	Phthalates	P	Chlorinated hydrocarbons
		Q	Other (specify) Fuel Oil

Examiner's Comments

DL 2118 7/89

DEC 30 1993

Pool 1

LABORATORY WORKSHEET | ☑ Routine | Lab No. 930693

NASSAU COUNTY HEALTH DEPARTMENT
CENTER FOR LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

TRACE ORGANICS

Access Number: 930693
Source: TISCHCON - 123 STATE ST., WESTBURY
Matrix: SLUDGE
Site: END POINT, WELL DW-1
Date Sampled: 08/09/93
Date [illegible]: 12/29/93

FUEL OILS	MRC	RESULT (ng/g)
FUEL OIL NO 2	4000	2100000

MRC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED
NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
PPB: AIR - ml/l WATER - ug/l SOIL - ng/g

Pool 1

NASSAU COUNTY HEALTH DEPARTMENT
CENTER FOR LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

TRACE ORGANICS

Access Number: 930693
Source: TISCHCON - 125 STATE ST., WESTBURY
Matrix: SLUDGE
Site: END POINT, WELL DW-1
Date Sampled: 08/09/93
Date of Report: 10/18/93

POLYCYCLIC AROMATIC HYDROCARBONS	MRC (ng/g)	RESULT (ng/g)
NAPHTHALENE	40	< 40
ACENAPHTHYLENE	40	< 40
ACENAPHTHENE	40	< 40
FLUORENE	40	300
PHENANTHRENE	40	1600
ANTHRACENE	40	< 40
FLUORANTHENE	40	< 40
PYRENE	40	< 40
BENZO(a)ANTHRACENE	40	< 40
CHRYSENE	40	< 40
BENZO(b)FLUORANTHENE	40	< 40
BENZO(k)FLUORANTHENE	40	< 40
BENZO(a)PYRENE	40	< 40
DIBENZO(a,h)ANTHRACENE	40	< 40
BENZO(GHI)PERYLENE	40	< 40
INDENO(1,2,3-c,d)PYRENE	40	< 40

FUEL OILS	MRC (ng/g)	RESULT (ng/g)
FUEL OIL NO 2	100	< NA

MRC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED
NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
PPS: AIR - ml/l WATER - ug/l SOIL - ng/g

Pool 1

ABORATORY WORKSHEET

CHEMICAL EXAMINATION FOR TRACE ORGANIC
ONSTITUENTS IN WATER, HAZARDOUS WASTES
OLID WASTES

Center for Laboratories and Research

ssau County Department of Health

1 ☑ Routine
2 ☐ Resample
3 ☐ Special
4 ☐ Complaint
5 ☐ Other

Lab. No. 93005 **D**

Field No. P-080993-4

N. No. (Public Water Supply Only)

urce Information (Please Print)

Premises Tishcon

	Month	Day	Year
	8	9	93

LABORATORY REPORT
IEMICAL EXAMINATION OF INDUSTRIAL
AND HAZARDOUS WASTES

Center for Laboratories and Research

s. County Department of Health

1 ☑ Routine
2 ☐ Resample
3 ☐ Special
4 ☐ Complaint
5 ☐ Other

Lab No. 3,9,1,0,0,8,1,2 Sec. **B**

Field No. P-080993-3C

Source Information (Please Print)

	Month	Day	Year
Premises Tishcon			
Address 12 E State St	Date Collected	8	9 93
wn Westbury NY	Date Received		
Collection Point: 1) W-1 End Point	Date Reported	SEP 27	1993
	Collection Time	16:30 hrs	
	Collected By:	P.F Pau	

Sampler's Comments:
Total Metals
and
TCLP

Al and Zn Total only

Bureau:
1 ☑ Environmental Lead Resources Management
9 ☐ Other (specify)

Sample Type:
A ☐ Water
B ☐ Soil
C ☑ Sludge
D ☐ Waste Solvent
E ☐ Oil
F ☐ Other

CHEMICAL EXAMINATION

Check	Metals		Result
1	Aluminum	mg/l	
2	Arsenic	mg/l	<0.005
3	Barium	mg/l	<0.05
4	Cadmium	mg/l	<0.001
5	Chromium, Total	mg/l	<0.01
6	Copper	mg/l	
7	Iron, Total	mg/l	
8	Lead	mg/l	0.12
9	Manganese	mg/l	
10	Mercury	mg/l	0.0009
11	Nickel	mg/l	
12	Selenium	mg/l	<0.005
13	Silver	mg/l	<0.05

Check	Non-Metals		Result
15	Chloride	mg/l	
16	Cyanide	mg/l	
17	Fluoride	mg/l	
18	MBAS	mg/l	
19	pH initial		8.0
20	Phenols	mg/l	
21	Solids, Suspended	mg/l	
22	Solids, Total Diss.	mg/l	
23	Sulfate	mg/l	
24	Ammonia nitrogen	mg/l	
25	Kjeldahl nitrogen	mg/l	
26	Nitrite nitrogen	mg/l	
27	Nitrate nitrogen	mg/l	

SPECIAL ANALYSIS

Check	Constituent		Result
29	Chromium, hex.	mg/l	
30	Final pH		5.2
31			
32	TOTALS	mg/kg	
33	Al		5200
34	As		4.0
35	Ba		460
36	Cd		1.6
37	Cr		13
38	Pb		700
39	Se		<0.5
40	Ag		<0.5
41	Zn		750

Part 1

LABORATORY WORKSHEET

CHEMICAL EXAMINATION FOR TRACE ORGANIC CONSTITUENTS IN WATER, HAZARDOUS WASTES AND SOLID WASTES

Center for Laboratories and Research

Nassau County Department of Health

1 ☑ Routine
2 ☐ Resample
3 ☐ Special
4 ☐ Complaint
5 ☐ Other

Lab. No. 93065

Field No. P-080993-B1

PWS No. (Public Water Supply Only)

Source Information (Please Print)

Premises: Tishcon

Address: 125 State St

Town: Westbury NY

Collection Point: End Point Well No. DW-1

	Month	Day	Year
Date Collected	8	9	93
Date Received	AUG	10	1993
Date Reported			
Collection Time	1630 Hrs		
Collected By:	P. Faul		

Sampler's Comments: Save portion for Extraction
Sample on ice
Appears to be colloidal - may be paint wastes
Expect Methylene Chloride in high concentration
Expect 111 Trichloroethane in low concentration

Bureau
1 ☐ Land Resources Management
2 ☐ Public Water Supply
3 ☐ Water Pollution Control
4 ☑ Environmental ~~Sanitation~~ Management
9 ☐ Other (specify)

SAMPLE TYPE

	AQUEOUS				NON-AQUEOUS
	Community Well	6	Surface Water	1	Soil
	Non-Community Well	7	Waste Water	(2)	Sludge
3	Private Well	8	Industrial Effluent	3	Waste Solvent
	Monitoring Well	9	Raw Supply Water	4	Oil
5	Drinking Water	10	Distribution Water	5	Other (specify)

ANALYSIS TYPE

(A)	Purgeable Organic compounds
(B)	Other (specify) Ketones

Examiner's Comments:

DL 211 7/89 Rev. 8/90

AUG - 9 1993

DH-2416. 8/90

Pool 3

B RATORY WORKSHEET

EMICAL EXAMINATION FOR TRACE ORGANIC
N TITUENTS IN WATER, HAZARDOUS WASTES
D OLID WASTES

ter for Laboratories and Research

1 ☑ Routine
2 ☐ Resample
3 ☐ Special
4 ☐ Complaint
5 ☐ Other

Lab. No. 930690 D

Field No. P-0809 93-2

N. No. (Public Water Supply Only)

ABORATORY REPORT
CHEMICAL EXAMINATION OF INDUSTRIAL
AND HAZARDOUS WASTES

nter for Laboratories and Research

Na County Department of Health

1 ☑ Routine
2 ☐ Resample
3 ☐ Special
4 ☐ Complaint
5 ☐ Other

Lab. No. Conf. 391008 1 B
Spec.

Field No. P-0809 93-2

urce Information (Please Print)

Premises Tishcon

ddress 125 State St.

Town Westbury NY

llection Point DW-3 end point

	Month	Day	Year
Date Collected	6	9	93
Date Received			
Date Reported	SEP		
Collection Time	17:10 PM		
Collected By	P.F. Paul		

Sampler's Comments:

Total Metals
TCLP if any metal over 300 mg/kg
by Total digestion

Bureau
1 ☑ Environmental Land Resources Management
9 ☐ Other (specify)

Sample Type
A ☐ Water
B ☑ Soil
C ☐ Sludge
D ☐ Waste Solvent
E ☐ Oil
F ☐ Other

CHEMICAL EXAMINATION

Check	Metals		Result	Check	Non-Metals		Result
1	Aluminum	mg/l		15	Chloride	mg/l	
2	Arsenic	mg/l		16	Cyanide	mg/l	
3	Barium	mg/l		17	Fluoride	mg/l	
4	Cadmium	mg/l		18	MBAS	mg/l	
5	Chromium, Total	mg/l		19	pH		
6	Copper	mg/l		20	Phenols	mg/l	
7	Iron, Total	mg/l		21	Solids, Suspended	mg/l	
8	Lead	mg/l		22	Solids, Total Diss.	mg/l	
9	Manganese	mg/l		23	Sulfate	mg/l	
10	Mercury	mg/l		24	Ammonia nitrogen	mg/l	
11	Nickel	mg/l		25	Kjeldahl nitrogen	mg/l	
12	Selenium	mg/l		26	Nitrite nitrogen	mg/l	
13	Silver	mg/l		27	Nitrate nitrogen	mg/l	
14	Zinc	mg/l		28	Total Phos.	mg/l	

SPECIAL ANALYSIS

Check	Constituent		Result
29	Chromium, hex.	mg/l	
30	TOTAL	mg/kg	
31	As		6.1
32	Ba		3.7
33	Cd		1.6
34	Cr		153
35	Pb		120
36	Se		<0.5
37	Ag		<0.5
38	Hg		0.16
39			
40			
41			
42			

Examiner's Comments

LABORATORY WORKSHEET

CHEMICAL EXAMINATION FOR TRACE ORGANIC CONSTITUENTS

IN WATER, HAZARDOUS WASTES AND SOLID WASTES

Center for Laboratories and Research

Nassau County Department of Health

1 ☑ Routine
2 ☐ Resample
3 ☐ Special
4 ☐ Complaint
5 ☐ Other

Lab No. 930691

Field No. P-080993-2

N No. (Public Water Supply Only)

Source Information (Please Print)

Premises	Tishcon
Address	125 State St
Town	Westbury NY
Collection Point	End Point Well No. DW-3

	Month	Day	Year
Date Collected	8	9	93
Date Received	AUG	09	1993
Date Reported	OCT	21	1993
Collection Time	16:20		
Collected by	P.F. Paul		

Sampler's Comments

Bureau
1 ☑ Land Resources Management
2 ☐ Public Water Supply
3 ☐ Water Pollution Control
4 ☑ Environmental ~~Sanitation~~ manager
9 ☐ Other (specify)

SAMPLE TYPE

Aqueous				Non-Aqueous	
1	Community Well	6	Surface Water	(1)	Soil
2	Non-Community Well	7	Waste Water	2	Sludge
3	Private Well	8	Industrial Effluent	3	Waste Solvent
4	Monitoring Well	9	Raw Supply Water	4	Oil
5	Drinking Water	10	Distribution Water	5	Other (specify)

ANALYSIS TYPE

E	Halogenated pesticides	K	Herbicides
F	Polychlorinated biphenyls	L	Nitrosamines
(G)	Polycyclic aromatic hydrocarbons	M	Benzidines
H	Aldehydes and Ketones	N	Nitroaromatic hydrocarbons
I	Phenols	O	Haloethers
J	Phthalates	P	Chlorinated hydrocarbons
		(Q)	Other (specify) Fuel Oils

Examiner's Comments

DL 2118 7/89

JAN

NASSAU COUNTY HEALTH DEPARTMENT
CENTER FOR LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

TRACE ORGANICS

Access Number: 930691
Source: TISCHCON - 125 STATE ST., WESTBURY
Matrix: SOIL
Site: END POINT, WELL DW-3
Date Sampled: 08/09/93
Date of Report: 10/18/93

POLYCYCLIC AROMATIC HYDROCARBONS	MRC (ng/g)		RESULT (ng/g)
NAPHTHALENE	40	<	40
ACENAPHTHYLENE	40	<	40
ACENAPHTHENE	40	<	40
FLUORENE	40		83
PHENANTHRENE	40		47
ANTHRACENE	40	<	40
FLUORANTHENE	40	<	40
PYRENE	40	<	40
BENZO(a)ANTHRACENE	40	<	40
CHRYSENE	40	<	40
BENZO(b)FLUORANTHENE	40	<	40
BENZO(k)FLUORANTHENE	40	<	40
BENZO(a)PYRENE	40	<	40
DIBENZO(a,h)ANTHRACENE	40	<	40
BENZO(GHI)PERYLENE	40	<	40
INDENO(1,2,3-c,d)PYRENE	40	<	40

FUEL OILS	MRC (ng/g)		RESULT (ng/g)
FUEL OIL NO 2	100	<	NA

MRC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED
NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
PPB: AIR - nl/l WATER - ug/l SOIL - ng/g

NASSAU COUNTY HEALTH DEPARTMENT
CENTER FOR LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

TRACE ORGANICS

Access Number: 930691
Source: TISCHCON - 125 STATE ST., WESTBURY
Matrix: SOIL
Site: END POINT, WELL DW-3
Date Sampled: 08/09/93
Date of Report: 01/03/94

	MRC (ng/g)		RESULT (ng/g)
FUEL OILS			
FUEL OIL NO 2	4000	<	4000

Comment: Some components of fuel oil detected but not enough information to verify as fuel oil.

MRC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED
NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
PPB: AIR - ul/l WATER - ug/l SOIL - ng/g

NASSAU COUNTY HEALTH DEPARTMENT
CENTER FOR LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

TRACE ORGANICS

ACCESS NUMBER: 930690
SOURCE: TISCHCON - 125 STATE ST., WESTBURY
MATRIX: SOIL
SITE: END POINT, WELL DW-3
DATE SAMPLED: 08/09/93
DATE OF REPORT: 08/12/93

VOLATILE HALOGENATED	MRC (ng/g)	RESULT (ng/g)
VINYL CHLORIDE	200	< 200
TRICHLOROFLUOROMETHANE	200	< 200
1,1-DICHLOROETHYLENE	200	< 200
METHYLENE CHLORIDE	200	< 200
t-1,2-DICHLOROETHYLENE	200	< 200
1,1-DICHLOROETHANE	200	< 200
2,2-DICHLOROPROPANE	400	< 400
c-1,2-DICHLOROETHYLENE	200	< 200
CHLOROFORM	200	< 200
BROMOCHLOROMETHANE	200	< 200
1,1,1-TRICHLOROETHANE	200	< 200
1,1-DICHLOROPROPENE	200	< 200
CARBON TETRACHLORIDE	200	< 200
1,2-DICHLOROETHANE	200	< 200
TRICHLOROETHYLENE	200	< 200
1,2-DICHLOROPROPANE	200	< 200
BROMODICHLOROMETHANE	200	< 200
DIBROMOMETHANE	200	< 200
c-1,3-DICHLOROPROPENE	200	< 200
t-1,3-DICHLOROPROPENE	200	< 200
1,1,2-TRICHLOROETHANE	200	< 200
1,3-DICHLOROPROPANE	200	< 200
TETRACHLOROETHYLENE	200	< 200
DIBROMOCHLOROMETHANE	200	< 200
1,2-DIBROMOETHANE	200	< 200
1,1,1,2-TETRACHLOROETHANE	200	< 200
BROMOFORM	200	< 200
1,1,2,2-TETRACHLOROETHANE	200	< 200
1,2,3-TRICHLOROPROPANE	200	< 200
1,2-DIBROMO-3-CHLOROPROPANE	200	< 200

MRC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED
NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
PPB: AIR - nl/l WATER - ug/l SOIL - ng/g

Pool 3

NASSAU COUNTY HEALTH DEPARTMENT
CENTER FOR LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

TRACE ORGANICS

ACCESS NUMBER: 930690
SOURCE: TISCHCON - 125 STATE ST., WESTBURY
MATRIX: SOIL
SITE: END POINT, WELL DW-3
DATE SAMPLED: 08/09/93
DATE OF REPORT: 08/12/93

VOLATILE AROMATICS	MRC (ng/g)	RESULT (ng/g)
BENZENE	100	< 100
TOLUENE	200	< 200
CHLOROBENZENE	200	< 200
ETHYLBENZENE	200	< 200
o-XYLENE	200	< 200
m,p-XYLENE	200	< 200
STYRENE	200	< 200
n-PROPYLBENZENE	200	< 200
ISOPROPYLBENZENE	200	< 200
BROMOBENZENE	200	< 200
1,2,4-TRIMETHYLBENZENE	200	< 200
1,3,5-TRIMETHYLBENZENE	200	< 200
2-CHLOROTOLUENE	200	< 200
4-CHLOROTOLUENE	200	< 200
n-BUTYLBENZENE	200	< 200
sec-BUTYLBENZENE	200	< 200
tert-BUTYLBENZENE	200	< 200
p-ISOPROPYLTOLUENE	200	< 200
o-DICHLOROBENZENE	200	< 200
m-DICHLOROBENZENE	200	< 200
p-DICHLOROBENZENE	200	< 200
1,2,3-TRICHLOROBENZENE	200	< 200
1,2,4-TRICHLOROBENZENE	200	< 200
HEXACHLOROBUTADIENE	200	< 200
NAPHTHALENE	200	< 200

MRC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED
NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
PPB: AIR - nl/l WATER - ug/l SOIL - ng/g

ABORATORY REPORT
CHEMICAL EXAMINATION OF INDUSTRIAL AND HAZARDOUS WASTES
Center for Laboratories and Research
Na... County Department of Health

1 ☑ Routine
2 ☐ Resample
3 ☐ Special
4 ☐ Complaint
5 ☐ Other

Lab. No. 39100888 Clin. Spec.

B

Field No. B-0902-93-1

Source Information (Please Print)

			Month	Day	Year
Premises	Tishcun	Date Collected	9	2	93
Address	125 State St.	Date Received	SEP		
Town	Westbury NY	Date Reported	SEP 20 1993		
Collection Point	Pool 4 sludge	Collection Time	12: hr		
		Collected By:	R.F. Paul		

Sampler's Comments:
Total + TCLP

Bureau
1 ☑ ~~Land Resources~~ Environmental Management
9 ☐ Other (specify)

Sample Type:
A ☐ Water
B ☐ Soil
C ☑ Sludge
D ☐ Waste Solvent
E ☐ Oil
F ☐ Other

CHEMICAL EXAMINATION / SPECIAL ANALYSIS

Check	Metals		Result	Check	Non-Metals		Result	Check	Constituent	Result
1	Aluminum	mg/l		15	Chloride	mg/l		29	Chromium hex. mg/l	
(2)	Arsenic	mg/l	<0.005	16	Cyanide	mg/l		30	TOTALS mg/Kg	
(3)	Barium	mg/l	0.24	17	Fluoride	mg/l		31	As	5.5
(4)	Cadmium	mg/l	0.006	18	MBAS	mg/l		32	Ba	43.0
(5)	Chromium, Total	mg/l	<0.01	19	pH INITIAL		6.9	33	Cd	3.5
6	Copper	mg/l		20	Phenols	mg/l		34	Cr	150
7	Iron, Total	mg/l		21	Solids, Suspended	mg/l		35	Pb	680
(8)	Lead	mg/l	1.27	22	Solids, Total Diss.	mg/l		36	Hg	0.46
9	Manganese	mg/l		23	Sulfate	mg/l		37	Se	<0.5
(10)	Mercury	mg/l	0.0007	24	Ammonia nitrogen	mg/l		38	Ag	<0.5
11	Nickel	mg/l		25	Kjeldahl nitrogen	mg/l		39		
(12)	Selenium	mg/l	<0.005	26	Nitrite nitrogen	mg/l		40		
(13)	Silver	mg/l	<0.005	27	Nitrate nitrogen	mg/l		41		
14	Zinc	mg/l		28	Total Phos.	mg/l		42	Final pH	5.1

Examiner's Comments

SEP 20 1993

DH-5021 7/84 Rev 8-90

10014

LABORATORY WORKSHEET

CHEMICAL EXAMINATION FOR TRACE ORGANIC CONSTITUENTS IN WATER, HAZARDOUS WASTES AND SOLID WASTES

Center for Laboratories and Research

Nassau County Department of Health

1 ☒ Routine
2 ☐ Resample
3 ☐ Special
4 ☐ Complaint
5 ☐ Other

Lab. No. 930783

Field No. P-0902 93-1

N. No. (Public Water Supply Only)

Source Information (Please Print)

Premises	Tishcon
Address	125 State St
Town	Westbury NY
Collection Point	Pool 14 sediment.
Well No.	

	Month	Day	Year
Date Collected	9	2	93
Date Received	SEP	2	93
Date Reported	SEP	1	

Collection Time 12:00 m.

Collected By: P. F. Paul

Sampler's Comments:

Sample on ice

Cesspool sludge

Bureau

1 ☐ Land Resources Management
2 ☐ Public Water Supply
3 ☐ Water Pollution Control
4 ☒ Environmental ~~Sanitation~~ manage
9 ☐ Other (specify)

SAMPLE TYPE

AQUEOUS				NON-AQUEOUS	
1	Community Well	6	Surface Water	1	Soil
2	Non-Community Well	7	Waste Water	(2)	Sludge
3	Private Well	8	Industrial Effluent	3	Waste Solvent
4	Monitoring Well	9	Raw Supply Water	4	Oil
5	Drinking Water	10	Distribution Water	5	Other (specify)

ANALYSIS TYPE

(A)	Purgeable Organic compounds
(B)	Other (specify) Ketones

Examiner's Comments:

DL211. 7/89 Rev. 8/90

SEP 13 1993

Pool 4

NASSAU COUNTY HEALTH DEPARTMENT
DIV. OF LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

TRACE ORGANICS

ACCESS NUMBER: 930785
I.D. #: FISHCON - 125 STATE ST., WESTBURY
MATRIX: SLUDGE
SITE: POOL 4 SEDIMENT
DATE SAMPLED: 09/02/93
DATE OF REPORT: 09/13/93

VOLATILE HALOGENATED	MRC (ng/g)	RESULT (ng/g)
METHYLENE CHLORIDE	200	< 200
TRICHLOROFLUOROMETHANE	200	< 200
1,1-DICHLOROETHYLENE	200	< 200
METHYLENE CHLORIDE	200	< 200
trans-1,2-DICHLOROETHYLENE	200	< 200
1,1-DICHLOROETHANE	200	< 200
1,2-DICHLOROPROPANE	400	< 400
cis-1,2-DICHLOROETHYLENE	200	< 200
CHLOROFORM	200	< 200
BROMOCHLOROMETHANE	200	< 200
1,1,1-TRICHLOROETHANE	200	< 200
1,1-DICHLOROPROPENE	200	< 200
CARBON TETRACHLORIDE	200	< 200
1,2-DICHLOROETHANE	200	< 200
TRICHLOROETHYLENE	200	< 200
1,2-DICHLOROPROPANE	200	< 200
BROMODICHLOROMETHANE	200	< 200
DIBROMOMETHANE	200	< 200
trans-1,3-DICHLOROPROPENE	200	< 200
cis-1,3-DICHLOROPROPENE	200	< 200
1,1,2-TRICHLOROETHANE	200	< 200
1,3-DICHLOROPROPANE	200	< 200
TETRACHLOROETHYLENE	200	< 200
DIBROMOCHLOROMETHANE	200	< 200
1,2-DIBROMOETHANE	200	< 200
1,1,1,2-TETRACHLOROETHANE	200	< 200
BROMOFORM	200	< 200
1,1,2,2-TETRACHLOROETHANE	200	< 200
1,2,3-TRICHLOROPROPANE	200	< 200
1,2-DIBROMO-3-CHLOROPROPANE	200	< 200

MRC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED
NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
PPB: AIR - ml/l WATER - ug/l SOIL - ng/g

P001 4

NASSAU COUNTY, HEALTH DEPARTMENT
OFFICE OF LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

TRACE ORGANICS

CLIENT NUMBER:	930799
	(SHOW - 125 STATE ST., WESTBURY
UNIT:	SLUDGE
SITE:	POOL 4 SEDIMENT
DATE SAMPLED:	09/02/93
DATE OF REPORT:	09/13/93

VOLATILE AROMATICS	MRC (ng/g)	RESULT (ng/g)
BENZENE	100	< 100
TOLUENE	200	< 200
CHLOROBENZENE	200	< 200
ETHYLBENZENE	200	< 200
m-XYLENE	200	< 200
o,p-XYLENE	200	< 200
STYRENE	200	< 200
n-PROPYLBENZENE	200	< 200
ISOPROPYLBENZENE	200	< 200
BROMOBENZENE	200	< 200
1,2,4-TRIMETHYLBENZENE	200	< 200
1,3,5-TRIMETHYLBENZENE	200	< 200
2-CHLOROTOLUENE	200	< 200
4-CHLOROTOLUENE	200	< 200
n-BUTYLBENZENE	200	< 200
sec-BUTYLBENZENE	200	< 200
tert-BUTYLBENZENE	200	< 200
p-ISOPROPYLTOLUENE	200	< 200
o-DICHLOROBENZENE	200	< 200
m-DICHLOROBENZENE	200	< 200
p-DICHLOROBENZENE	200	< 200
1,2,3-TRICHLOROBENZENE	200	< 200
1,2,4-TRICHLOROBENZENE	200	< 200
HEXACHLOROBUTADIENE	200	< 200
NAPHTHALENE	200	< 200

MRC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED
NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
PPB: AIR - nl/l WATER - ug/l SOIL - ng/g

LABORATORY REPORT
CHEMICAL EXAMINATION OF INDUSTRIAL AND HAZARDOUS WASTES
Center for Laboratories and Research
Nassau County Department of Health

1 ☑ Routine
2 ☐ Resample
3 ☐ Special
4 ☐ Complaint
5 ☐ Other

Lab. No. Cin. Spec. 39100889

B

Field No. P-0902 93 93

Source Information (Please Print)

		Month	Day	Year
Premises: Tishcon	Date Collected	9	2	93
Address: 125 State St.	Date Received	SEP		
Town: Westbury NY	Date Reported	SEP 20 1993		
Collection Point: Pool 5 (distribution box) sludge	Collection Time	1:300 Hrs		
	Collected By:	PF Paul		

Sampler's Comments:
Total
+
TCLP

Bureau: Environmental
1 ☑ ~~Land Resources~~ Management
9 ☐ Other (specify)

Sample Type:
A ☐ Water
B ☐ Soil
C ☑ Sludge
D ☐ Waste Solvent
E ☐ Oil
F ☐ Other

CHEMICAL EXAMINATION

Check	Metals		Result	Check	Non-Metals		Result
1	Aluminum	mg/l		15	Chloride	mg/l	
(2)	Arsenic	mg/l	<0.005	16	Cyanide	mg/l	
(3)	Barium	mg/l	<0.05	17	Fluoride	mg/l	
(4)	Cadmium	mg/l	0.003	18	MBAS	mg/l	
(5)	Chromium, Total	mg/l	<0.01	19	pH INITIAL		8.5
6	Copper	mg/l		20	Phenols	mg/l	
7	Iron, Total	mg/l		21	Solids, Suspended	mg/l	
(8)	Lead	mg/l	0.07	22	Solids, Total Diss.	mg/l	
9	Manganese	mg/l		23	Sulfate	mg/l	
(10)	Mercury	mg/l	0.0011	24	Ammonia nitrogen	mg/l	
11	Nickel	mg/l		25	Kjeldahl nitrogen	mg/l	
(12)	Selenium	mg/l	<0.005	26	Nitrite nitrogen	mg/l	
(13)	Silver	mg/l	<0.005	27	Nitrate nitrogen	mg/l	
14	Zinc	mg/l		28	Total Phos.	mg/l	

SPECIAL ANALYSIS

Check	Constituent	Result
29	Chromium hex. mg/l	
30	TOTALS mg/Kg	
31	Ag	<0.5
32	As	5.6
33	Cd	2.3
34	Cr	21.9
35	Pb	41.0
36	Se	<0.5
37	Ba	46.0
38	Hg	6.10
39		
40		
41		
42	Final pH	5.4

Examiner's Comments

SEP 30 1993

DH-5021 7/84 Rev 6/90

LABORATORY WORKSHEET

CHEMICAL EXAMINATION FOR TRACE ORGANIC CONSTITUENTS IN WATER, HAZARDOUS WASTES AND SOLID WASTES

C[illegible]r for Laboratories and Research

Nassau County Department of Health

- 1 ☑ Routine
- 2 ☐ Resample
- 3 ☐ Special
- 4 ☐ Complaint
- 5 ☐ Other

D

Lab. No. 930[illegible]

Field No. P-090293-2

N No. (Public Water Supply Only)

Source Information (Please Print)

Premises	Tishcon
Address	125 State ST
Town	Westbury NY
Collection Point	Pool 5 sed. ment
Well No.	

	Month	Day	Year
Date Collected	9	2	93
Date Received			
Date Reported	12	8	93
Collection Time	1:300/1:3[illegible]		
Collected By:			

Sampler's Comments:

Sample on ice

Sewage sludge / Paint sludge

Bureau

- 1 ☐ Land Resources Management
- 2 ☐ Public Water Supply
- 3 ☐ Water Pollution Control
- 4 ☑ Environmental ~~Sanitation~~ manag[illegible]
- 9 ☐ Other (specify)

SAMPLE TYPE

AQUEOUS				NON-AQUEOUS	
1	Community Well	6	Surface Water	1	Soil
2	Non-Community Well	7	Waste Water	(2)	Sludge
3	Private Well	8	Industrial Effluent	3	Waste Solvent
4	Monitoring Well	9	Raw Supply Water	4	Oil
5	Drinking Water	10	Distribution Water	5	Other (specify)

ANALYSIS TYPE

(A)	Purgeable Organic compounds
(B)	Other (specify) Ketones

Examiner's Comments:

DL211. 7/89 Rev. 8/90

DH-2416 8/9[illegible]

Pool 5

[illegible] HEALTH DEPARTMENT
[illegible] LABORATORIES AND RESEARCH
[illegible] HEALTH LABORATORIES

TRACE ORGANICS

[illegible]	930790
	[illegible] - 125 STATE [illegible] WESTBURY
MATRIX	SLUDGE
SITE	POOL 5 SEDIMENT
DATE SAMPLED	09/02/93
DATE OF REPORT	09/10/93

[illegible] HALOGENATED	MRC (mg/l)		RESULT (mg/l)
VINYL CHLORIDE	1000	<	1000
TRICHLOROFLUOROMETHANE	1000	<	1000
1,1-DICHLOROETHYLENE	1000	<	1000
METHYLENE CHLORIDE	1000		230
t-1,2-DICHLOROETHYLENE	1000	<	1000
1,1-DICHLOROETHANE	1000	<	1000
2,2-DICHLOROPROPANE	2000	<	2000
c-1,2-DICHLOROETHYLENE	1000	<	1000
CHLOROFORM	1000	<	1000
BROMOCHLOROMETHANE	1000	<	1000
1,1,1-TRICHLOROETHANE	1000		150
1,1-DICHLOROPROPENE	1000	<	1000
CARBON TETRACHLORIDE	1000	<	1000
1,2-DICHLOROETHANE	1000	<	1000
TRICHLOROETHYLENE	1000	<	1000
1,2-DICHLOROPROPANE	1000	<	1000
BROMODICHLOROMETHANE	1000	<	1000
DIBROMOMETHANE	1000	<	1000
c-1,3-DICHLOROPROPENE	1000	<	1000
t-1,3-DICHLOROPROPENE	1000	<	1000
1,1,2-TRICHLOROETHANE	1000	<	1000
1,3-DICHLOROPROPANE	1000	<	1000
TETRACHLOROETHYLENE	1000	<	1000
DIBROMOCHLOROMETHANE	1000	<	1000
1,2-DIBROMOETHANE	1000	<	1000
1,1,1,2-TETRACHLOROETHANE	1000	<	1000
BROMOFORM	1000	<	1000
1,1,2,2-TETRACHLOROETHANE	1000	<	1000
1,2,3-TRICHLOROPROPANE	1000	<	1000
1,2-DIBROMO-3-CHLOROPROPANE	1000	<	1000

RECEIVED
DEC 14 1993

MRC - MINIMUM REPORTABLE CONCENTRATION   NA - NOT ANALYZED
NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
PPB: AIR - nl/l   WATER - ug/l   SOIL - ng/g

Pool 5

[illegible] COUNTY HEALTH DEPARTMENT
[illegible] LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

TRACE ORGANICS

LAB NUMBER:	530790
[illegible]	[illegible] - 123 STATE [illegible]
MATRIX:	SLUDGE
SITE:	POOL 5 SEDIMENT
DATE SAMPLED:	09/02/93
DATE OF REPORT:	10/10/93

VOLATILE AROMATICS	MRC (mg/l)		RESULT (mg/l)
BENZENE	500	<	500
TOLUENE	1000	<	1000
CHLOROBENZENE	1000	<	1000
ETHYLBENZENE	1000	<	1000
o-XYLENE	1000	<	1000
m,p-XYLENE	1000	<	1000
STYRENE	1000	<	1000
n-PROPYLBENZENE	1000	<	1000
ISOPROPYLBENZENE	1000	<	1000
BROMOBENZENE	1000	<	1000
1,2,4-TRIMETHYLBENZENE	1000	<	1000
1,3,5-TRIMETHYLBENZENE	1000	<	1000
2-CHLOROTOLUENE	1000	<	1000
4-CHLOROTOLUENE	1000	<	1000
n-BUTYLBENZENE	1000	<	1000
sec-BUTYLBENZENE	1000	<	1000
tert-BUTYLBENZENE	1000	<	1000
p-ISOPROPYLTOLUENE	1000	<	1000
o-DICHLOROBENZENE	1000	<	1000
m-DICHLOROBENZENE	1000	<	1000
p-DICHLOROBENZENE	1000	<	1000
1,2,3-TRICHLOROBENZENE	1000	<	1000
1,2,4-TRICHLOROBENZENE	1000	<	1000
HEXACHLOROBUTADIENE	1000	<	1000
NAPHTHALENE	1000	<	1000

MRC - MINIMUM REPORTABLE CONCENTRATION   NA - NOT ANALYZED
NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
PPB: AIR - nl/l   WATER - ug/l   SOIL - ng/g

Kelly Ward
NCITD

NASSAU COUNTY DEPARTMENT OF PUBLIC WORKS
CEDAR CREEK SPECIAL PROJECTS LABORATORY-ELAP#10862
LABORATORY REPORT OF WATER ANALYSES FOR VOLATILE ORGANICS

SAMPLE LOCATION: TISHCON
TYPE OF SAMPLE: IW
SAMPLE#: 930753
DATE SAMPLED: 93/08/09
TIME SAMPLED: 12:00
DATE RECEIVED: 93/08/09
TIME RECEIVED: 14:00
SAMPLED BY: JM/IWS

COMPOUND	CONCENTRATION(ug/l)	DET.LIMIT(ug/l)
DICHLORODIFLUOROMETHANE:	*	1.0
CHLOROMETHANE:	*	1.0
VINYL CHLORIDE:	*	0.1
BROMOMETHANE & CHLOROETHANE:	*	0.5
TRICHLOROFLUOROMETHANE:	*	0.1
1,1-DICHLOROETHENE:	*	0.1
METHYLENE CHLORIDE:	11,022.	0.1
1,2-T-DICHLOROETHENE:	*	0.1
1,1-DICHLOROETHANE:	816.	0.1
2,2-DICHLOROPROPANE AND cis-1,2-DICHLOROETHENE:	*	0.5
CHLOROFORM:	67.7	0.1
BROMOCHLOROMETHANE:	199.	0.5
1,1,1-TRICHLOROETHANE:	1,528.	0.1
1,1-DICHLOROPROPENE:	*	0.1
CARBON TETRACHLORIDE:	*	0.1
1,2-DICHLOROETHANE:	*	0.1
TRICHLOROETHYLENE:	116.	0.1
1,2-DICHLOROPROPANE:	86.2	0.1
BROMODICHLOROMETHANE AND DIBROMOMETHANE:	*	0.5
cis-1,3-DICHLOROPROPENE:	30.3	0.1
trans-1,3-DICHLOROPROPENE:	*	0.1
1,1,2-TRICHLOROETHANE:	*	0.1
1,3-DICHLOROPROPANE:	273.	0.1
TETRACHLOROETHYLENE:	*	0.1
DIBROMOCHLOROMETHANE:	9.4	0.5
1,2-DIBROMOETHANE:	56.3	0.5
CHLOROBENZENE:	*	0.1
1,1,1,2-TETRACHLOROETHANE:	*	0.1
BROMOFORM:	37.8	0.1
1,1,2,2-TETRACHLOROETHANE:	*	0.5
1,2,3-TRICHLOROPROPANE:	*	0.1
BROMOBENZENE:	54.3	1.0
1,2-DIBROMO-3-CHLOROPROPANE:	*	0.5

COMPOUND	CONCENTRATION(ug/l)	DET.LIMIT(ug/l)
BENZENE:	1.4	1.0
TOLUENE:	27.5	1.0
CHLOROBENZENE:	*	1.0
ETHYLBENZENE:	3.8	1.0
M,P-XYLENE:	9.3	1.0
O-XYLENE:	4.9	1.0
STYRENE:	*	1.0
ISOPROPYLBENZENE:	3.3	1.0
BROMOBENZENE & N-PROPYLBENZENE & 2-CHLOROTOLUENE:	3.6	1.0
1,3,5-TRIMETHYLBENZENE:	12.4	1.0
4-CHLOROTOLUENE:	3.6	1.0
tert-BUTYLBENZENE:	4.6	1.0
1,2,4-TRIMETHYLBENZENE:	1.0	1.0
sec-BUTYLBENZENE:	1.6	1.0
P-ISOPROPYLTOLUENE:	*	1.0
1,3-DICHLOROBENZENE:	5.2	1.0
1,4-DICHLOROBENZENE:	3.0	1.0
N-BUTYLBENZENE:	2.2	1.0
1,2-DICHLOROBENZENE:	1.2	1.0
1,2,4-TRICHLOROBENZENE:	5.3	1.0
HEXACHLOROBUTADIENE:	3.6	1.0
NAPHTHALENE:	3.6	1.0
1,2,3-TRICHLOROBENZENE:	1.7	1.0

* = Below detection limit
- = Not analyzed

REMARKS:

AC condensate

[illegible] ENVIRONMENTAL HEALTH LABORATORIES

TRACE ORGANICS

ACCESS NUMBER: [illegible]
SAMPLE: [illegible] 125 STATE ST [illegible]
MATRIX: INDUSTRIAL EFFLUENT
SITE: HVAC CONDENSER
DATE SAMPLED: [illegible]/97
DATE OF REPORT: [illegible]/25/93

VOLATILE HALOGENATED

	MRC		RESULT (ug/l)
VINYL CHLORIDE	[illegible]	<	1.0
TRICHLOROFLUOROMETHANE	[illegible]	<	1.0
1,1-DICHLOROETHYLENE	[illegible]	<	1.0
METHYLENE CHLORIDE	[illegible]		[illegible]
TRANS-1,2-DICHLOROETHYLENE	1.0	<	1.0
1,1-DICHLOROETHANE	1.0	<	1.0
2,2-DICHLOROPROPANE	2	<	2.0
CIS-1,2-DICHLOROETHYLENE	1.0	<	1.0
CHLOROFORM	1.0	<	1.0
BROMOCHLOROMETHANE	[illegible]	<	1.0
1,1,1-TRICHLOROETHANE	1.0		1.0
1,1-DICHLOROPROPENE	1.0		1.0
CARBON TETRACHLORIDE	[illegible]		1.0
1,2-DICHLOROETHANE	[illegible]		1.0
TRICHLOROETHYLENE	[illegible]		1.0
1,2-DICHLOROPROPANE	1.0	<	1.0
BROMODICHLOROMETHANE	1.0	<	1.0
DIBROMOMETHANE	1.0		1.0
CIS-1,3-DICHLOROPROPENE	1.0	<	1.0
TRANS-1,3-DICHLOROPROPENE	1.0	<	1.0
1,1,2-TRICHLOROETHANE	1.0	<	1.0
1,3-DICHLOROPROPANE	1.0	<	1.0
TETRACHLOROETHYLENE	1.0	<	1.0
DIBROMOCHLOROMETHANE	1.0	<	1.0
1,2-DIBROMOETHANE	1.0	<	1.0
1,1,1,2-TETRACHLOROETHANE	1.0	<	1.0
BROMOFORM	1.0	<	1.0
1,1,2,2-TETRACHLOROETHANE	1.0	<	1.0
1,2,3-TRICHLOROPROPANE	1.0	<	1.0
1,2-DIBROMO-3-CHLOROPROPANE	1.0	<	1.0

MRC - MINIMUM REPORTABLE CONCENTRATION   NA - NOT ANALYZED
NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
PPB: AIR - nl/l   WATER - ug/l   SOIL - ng/g

AC condensate

[illegible]
[illegible] LABORATORY [illegible]
[illegible] HEALTH LABORATORIES

TRACE ORGANICS

[illegible] NUMBER: [illegible]
[illegible]: [illegible] - 125 STATE [illegible]
[illegible]: [illegible] EFFLUENT
SITE: HVAC CONDENSER
DATE SAMPLED: [illegible]
DATE OF REPORT: [illegible]

VOLATILE AROMATICS	MRC (ug/l)		RESULT (ug/l)
BENZENE	[illegible]	<	[illegible]
TOLUENE	[illegible]	<	10
CHLOROBENZENE	[illegible]	<	[illegible]
ETHYLBENZENE	[illegible]	<	[illegible]
O-XYLENE	[illegible]	<	10
M,P-XYLENE	[illegible]	<	[illegible]
STYRENE	[illegible]	<	[illegible]
N-PROPYLBENZENE	[illegible]	<	10
ISOPROPYLBENZENE	[illegible]	<	10
BROMOBENZENE	[illegible]	<	[illegible]
1,2,4-TRIMETHYLBENZENE	[illegible]	<	10
1,3,5-TRIMETHYLBENZENE	[illegible]	<	10
2-CHLOROTOLUENE	[illegible]	<	[illegible]
4-CHLOROTOLUENE	[illegible]	<	[illegible]
N-BUTYLBENZENE	10	<	10
sec-BUTYLBENZENE	10	<	10
tert-BUTYLBENZENE	[illegible]	<	10
p-ISOPROPYLTOLUENE	[illegible]	<	[illegible]
o-DICHLOROBENZENE	[illegible]	<	10
m-DICHLOROBENZENE	[illegible]	<	10
p-DICHLOROBENZENE	[illegible]	<	10
1,2,3-TRICHLOROBENZENE	[illegible]	<	10
1,2,4-TRICHLOROBENZENE	10	<	10
HEXACHLOROBUTADIENE	10	<	10
NAPHTHALENE	10	<	10

COMMENT: METHYL ETHYL KETONE DETECTED BY GC/MS.
COMMENT: APPROXIMATE CONCENTRATION IS 3000 ug/l

MRC - MINIMUM REPORTABLE CONCENTRATION   NA - NOT ANALYZED
NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
PPB: AIR - nl/l   WATER - ug/l   SOIL - ng/g

Attachment 3

AMERICAN CONSULTING
TEL: (516) 751-5439 - FAX (516) 751-5837

November 1, 1993

Peter Paul
Nassau County Health Department
240 Old Country Road
Mineola, NY 11501

RE: Tishcon Analysis

Dear Mr. Paul:

As requested, enclosed are copies of the endpoint analysis results from pools one and three, as split sampled with you on 8/9/93. Please send us copies of your results at your earliest convenience.

The disposal of the sludge at the site is being scheduled now. You will be informed of the date and copies of the waste manifests will be sent to your office.

If you have any further questions, please call me.

Very truly yours,

Lisa M. Busch

Enclosures, 7 pages

P.O. BOX 545 • EAST SETAUKET, NEW YORK 11733

Volumetric Techniques, LTD.

317 Bernice Drive * Bayport, New York 11705 * (516) 472-4848

To: American Consulting
P.O. Box #545
East Setauket NY 11733
(516) 751-5439

Time Of Login : 10:02:21
Date:
Collected:08/09/93
Received :08/10/93
Completed:09/01/93

Sample Taken By
Client

Reported By: _____

N.Y.S. Lab I.D. #10058

Sample : American Consulting (8/20) Tishcon
Pool 1 A Endpoint
SOLID

Sample Number 51319308

Analysis : Total Metals

Parameters	Results ppm (Mg/L)	Parameters	Results ppm (Mg/L)
Cadmium	2.03		
Chromium, Total	0.41		
Chromium, Hexavalent	0.06		
Copper	0.15		
Iron	25.78		
Nickel	<0.01		
Lead	0.09		
Silver	<0.01		
Zinc	0.93		
Arsenic	<0.01		
Selenium	<0.01		
Mercury	0.13		

Comments
Metals Analyzed by EPA SW846 Method 3050.
* Indicates Compound Concentration Falls Below Instrumentation Detection Limit.

Volumetric Techniques, LTD.

317 Bernice Drive * Bayport, New York 11705 * (516) 472-4848

To: American Consulting
P.O. Box #545
East Setauket NY 11733
(516) 751-5439

Time Of Login : 10:17:31
Date:
Collected:08/09/93
Received :08/10/93
Completed:09/13/93

Sample Taken By
Client

Reported By: _____

N.Y.S. Lab I.D. #10058

Sample : American Consulting (8/20) TRIPLICATE
Pool 1 B
SLUDGE

Sample Number 51409308

Analysis : Total Metals/Volatile Organics

Parameters	Results ppb(mmg/l)	Parameters	Results ppb(mmg/l)
Benzene	<4.0	1,1,2-Trichloroethane	<10.0
Bromodichloromethane	<8.0	Trichloroethene	<19.0
Bromomethane	<11.0	Trichlorofluoromethane	<8.0
Carbon Tetrachloride	<21.0	Vinyl Chloride	<17.0
Chlorobenzene	<4.0	Xylene	48,867.30
Chloroethane	<10.0		
Cis-1,2-Dichloroethane	<12.0		
Chloroform	160,280.30		
Chloromethane	<13.0		
Dibromochloromethane	<5.0		
1,2-Dichlorobenzene	<3.0		
1,3-Dichlorobenzene	<12.0		
1,4-Dichlorobenzene	<3.0		
1,1-Dichloroethane	<12.0		
1,2-Dichloroethane	<6.0		
Trans-1,2-Dichloroethene	<6.0		
1,2-Dichloropropane	<4.0		
Cis-1,3-Dichloropropene	<20.0		
Trans-1,3-Dichloropropene	<20.0		
Ethyl Benzene	9,275.0		
Methylene Chloride	1,830,577.0		
1,1,2,2-Tetrachloroethane	<4.0		
Tetrachloroethene	457.40		
Toluene	<11.0		
1,1,1-Trichloroethane	<8.0		

Comments

Volumetric Techniques, LTD.

317 Bernice Drive * Bayport, New York 11705 * (516) 472-4848

To: American Consulting
P.O. Box #545
East Setauket NY 11733
(516) 751-5439

Time Of Login : 10:12:46
Date:
Collected:08/09/93
Received :08/10/93
Completed:09/01/93

Sample Taken By
Client

Reported By: _____

N.Y.S. Lab I.D. #10058

Sample : American Consulting (8/20) Treated
Pool 1 B
SLUDGE

Sample Number 51409308

Analysis : Total Metals/Volatile Organics

Parameters	Results ppm (Mg/L)	Parameters	Results ppm (Mg/L)
Cadmium	3.91		
Chromium, Total	0.35		
Chromium, Hexavalent	0.23		
Copper	0.28		
Iron	38.50		
Nickel	<0.01		
Lead	0.13		
Silver	0.01		
Zinc	3.89		
Arsenic	<0.01		
Selenium	<0.01		
Mercury	<0.01		

Comments
Metals Analyzed by EPA SW846 Method 3050.
* Indicates Compound Concentration Falls Below Instrumentation Detection Limit.

* CONSULTING CHEMISTS * COMPLETE LABORATORY TESTING *
* Sander R. Sternig * Director of Laboratories *

Volumetric Techniques, LTD.

317 Bernice Drive * Bayport, New York 11705 * (516) 472-4848

To: American Consulting
P.O. Box #545
East Setauket NY 11733
(516) 751-5439

Time Of Login : 11:31:18
Date:
Collected:08/09/93
Received :08/10/93
Completed:09/13/93

Sample Taken By
Client

Reported By: _____

N.Y.S. Lab I.D. #10058

Sample : American Consulting (8/20) Water
Pool 1 C
SOLID

Sample Number 51439308

Analysis : Volatile Organics/T P H

Parameters	Results ppb(mmg/l)	Parameters	Results ppb(mmg/l)
Benzene	<4.0	1,1,2-Trichloroethane	<10.0
Bromodichloromethane	<8.0	Trichloroethene	<19.0
Bromomethane	<11.0	Trichlorofluoromethane	<8.0
Carbon Tetrachloride	<21.0	Vinyl Chloride	<17.0
Chlorobenzene	<4.0	Xylene	63,461.90
Chloroethane	<10.0		
Cis-1,2-Dichloroethane	<12.0		
Chloroform	12,845.10		
Chloromethane	<13.0		
Dibromochloromethane	<5.0		
1,2-Dichlorobenzene	<3.0		
1,3-Dichlorobenzene	<12.0		
1,4-Dichlorobenzene	<3.0		
1,1-Dichloroethane	<12.0		
1,2-Dichloroethane	<6.0		
Trans-1,2-Dichloroethene	<6.0		
1,2-Dichloropropane	<4.0		
Cis-1,3-Dichloropropene	<20.0		
Trans-1,3-Dichloropropene	<20.0		
Ethyl Benzene	12,554.10		
Methylene Chloride	41,972.0		
1,1,2,2-Tetrachloroethane	<4.0		
Tetrachloroethene	53.20		
Toluene	4,237.20		
1,1,1-Trichloroethane	<8.0		

Comments

Volumetric Techniques, LTD.

317 Bernice Drive * Bayport, New York 11705 * (516) 472-4848

To: American Consulting
P.O. Box #545
East Setauket NY 11733
(516) 751-5439

Time Of Login : 11:28:50
Date:
Collected:08/09/93
Received :08/10/93
Completed:09/13/93

Sample Taken By
Client

Reported By: _____

N.Y.S. Lab I.D. #10058

Sample : American Consulting (8/20) TISHCO
Pool 1 C
SOLID

Sample Number 51439308

Analysis : Volatile Organics/T P H

Parameters	Results ppm	Parameters	Results ppm
Petroleum Hydrocarbons	<10.0		

Comments

* CONSULTING CHEMISTS * COMPLETE LABORATORY TESTING *
* Sander R. Sternig * Director of Laboratories *

Volumetric Techniques, LTD.

317 Bernice Drive * Bayport, New York 11705 * (516) 472-4848

To: American Consulting
P.O. Box #545
East Setauket NY 11733
(516) 751-5439

Time Of Login : 11:26:50
Date:
Collected:08/09/93
Received :08/10/93
Completed:09/13/93

Sample Taken By
Client

Reported By: _____

N.Y.S. Lab I.D. #10058

Sample : American Consulting (8/20)
Pool 3 A Endpoint
SOLID

Sample Number 51429308

Analysis : Volatile Organics

Parameters	Results ppb(mmg/l)	Parameters	Results ppb(mmg/l)
Benzene	<4.0	1,1,2-Trichloroethane	<10.0
Bromodichloromethane	<8.0	Trichloroethene	<19.0
Bromomethane	<11.0	Trichlorofluoromethane	<8.0
Carbon Tetrachloride	<21.0	Vinyl Chloride	<17.0
Chlorobenzene	<4.0	Xylene	204.40
Chloroethane	<10.0		
Cis-1,2-Dichloroethane	<12.0		
Chloroform	<3.0		
Chloromethane	<13.0		
Dibromochloromethane	<5.0		
1,2-Dichlorobenzene	<3.0		
1,3-Dichlorobenzene	<12.0		
1,4-Dichlorobenzene	<3.0		
1,1-Dichloroethane	<12.0		
1,2-Dichloroethane	<6.0		
Trans-1,2-Dichloroethene	<6.0		
1,2-Dichloropropane	<4.0		
Cis-1,3-Dichloropropene	<20.0		
Trans-1,3-Dichloropropene	<20.0		
Ethyl Benzene	29.36		
Methylene Chloride	<3.0		
1,1,2,2-Tetrachloroethane	<4.0		
Tetrachloroethene	<14.0		
Toluene	<11.0		
1,1,1-Trichloroethane	<8.0		

Comments

Volumetric Techniques, LTD.

317 Bernice Drive * Bayport, New York 11705 * (516) 472-4848

To: American Consulting
P.O. Box #545
East Setauket NY 11733
(516) 751-5439

Time Of Login : 09:58:02
Date:
Collected:08/09/93
Received :08/10/93
Completed:08/19/93

Sample Taken By
Client

Reported By: _____

N.Y.S. Lab I.D. #10058

Sample : American Consulting (8/20) Treated
Pool 3 B Endpoint
SOLID

Sample Number 51309308

Analysis : Total Metals

Parameters	Results ppm (Mg/L)	Parameters	Results ppm (Mg/L)
Cadmium	<0.01		
Chromium, Total	0.20		
Chromium, Hexavalent	0.032		
Copper	0.03		
Iron	37.88		
Nickel	0.04		
Lead	1.09		
Silver	0.01		
Zinc	1.22		
Arsenic	<0.01		
Selenium	<0.01		
Mercury	0.29		

Comments
Metals Analyzed by EPA SW846 Method 3050.
* Indicates Compound Concentration Falls Below Instrumentation Detection Limit.

* CONSULTING CHEMISTS * COMPLETE LABORATORY TESTING *
* Sander R. Sternig * Director of Laboratories *

Attachment 4

THOMAS S. GULOTTA
COUNTY EXECUTIVE

KATHLEEN A. GAFFNEY, M.D., M.P.H.
COMMISSIONER

COUNTY OF NASSAU
DEPARTMENT OF HEALTH
240 OLD COUNTRY ROAD
MINEOLA, N.Y. 11501-4250

January 30, 1995

Eric A. Weinstock
Project Manager
C.A.Rich Consultants, Inc.
404 Glen Cove Avenue
Sea Cliff, N.Y. 11579

Re: Tishcon Corp.
125 State Street
Westbury
Work Plan Addendum
NCDH Facility No. 3832

Dear Mr. Weinstock:

We have reviewed the above referenced Work Plan Addendum submitted in response to our comments of November 14, 1994 and find the addendum together with the originally submitted Work Plan to be acceptable to this Department.

Please notify this Department at least five working days prior to start of work at the site.

If you have any questions, I can be reached at (516) 571-3642.

Very Truly Yours,

Steven D. Silvers, P.E.
Assistant to the Director
Bureau of Environmental
Engineering

cc: M. Padula, Tishcon Corp.
T. Norris, NCDH

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

November 23, 1994

Nassau County Department of Health
240 Old Country Road
Mineola, New York 11501

Attention: Steven Silvers, P.E.

Re: Work Plan Addendum
Leaching Pool Contamination Investigation and Clean-Up
Westbury, New York

Dear Mr. Silvers:

Thank you for your letter of November 14, 1994 and your comments regarding the above-referenced project. As I discussed with you on the telephone earlier this week, we have carefully considered each of your comments and offer this Addendum to the Work Plan.

Comment 1. Soil Borings - A soil boring will be placed in each of the pools requiring remediation. This includes pools 1, 2, 4 and distribution box 5. Soil samples will be collected at 5 foot intervals and screened using a portable organic vapor meter to determine the depth of soil requiring removal. Once the depth of contamination is determined using the screening method, one soil sample from the bottom of each boring will be sent to Nytest Environmental, Inc. for analysis using method 8010/8020.

Comment 2. Waste Characterization Samples

a) We have been informed by Tishcon Corp. that pool 2 is an overflow for pool 1. As such we believe that a composite sample is appropriate for this situation and feel that a disposal facility can be selected using this sampling methodology.

b) Similar to the comment above, all of the water in the pools will be removed by a vacuum truck and mixed in the tank of the truck. As such, we believe that at composite sample is appropriate and that we can obtain approval for disposal of this material using this sampling methodology.

c) As a follow-up to our telephone conversation, I called Mr. Vincent Alonge of NCDPW. I was informed that the Bay Park waste water treatment facility will accept storm and septic water delivered by vacuum truck. Laboratory results for the 8 RCRA metals and volatile organic compounds using method 601/602 must be sent to NCDPW first. Based on these results, NCDPW will either provide us with a letter stating they will accept the water or they will advise us that we must dispose of this water at a different facility.

404 GLEN COVE AVENUE, SEA CLIFF, NEW YORK 11579 • TEL 516/674-3889 • FAX 516/674-3901

Comment 3. Disposal of Drummed Sediments - After our conversation, I called our disposal contractor and reviewed these procedures. We agree that power washing will create unnecessary waste water. As such, we propose to place the drums over the disposal roll-off container and tap them until all of the soil has poured out of the drum. If any soil remains, it will be removed using disposable rags that will also be placed in the roll-off container for disposal.

Comment 4. Clean Out of Pools 2, 4, 5 - The supper sucker will remove as much of the contaminated soil as possible with out creating an unsafe situation in the parking lot. End-point samples will then be collected. Yellow flagging ribbon will then be placed at the bottom of the excavation and the pool will be stabilized with clean fill. If additional remediation work is necessary, we will be able to determine the depth of the supper sucker excavation by uncovering the yellow ribbon.

Comment 5. Report Preparation - A section will be added to the report regarding data analysis and recommendations for additional investigations as suggested in your letter.

Comment 6. Laboratory - Nytest Environmental, Inc. will be the laboratory subcontracted for this investigation.

Comment 7. Calibration - The organic vapor meter will be calibrated within 24-hours of the field program using the vendors calibration gas.

If you have any questions regarding this Work Plan Addendum, please do not hesitate to call our office. We look forward to a letter of approval regarding this Plan and to working with you on this most important project.

Sincerely,

CA RICH CONSULTANTS, INC.

Eric A. Weinstock
Project Manager

CC: Michael Padula
Thomas Norris

EAW:mg
Attachment (NCDH letter of Nov. 14, 1994)
Epson: C:\Winword\Projects\TISH-res.doc

THOMAS S. GULOTTA
COUNTY EXECUTIVE

KATHLEEN A. GAFFNEY, M.D., M.P.H.
COMMISSIONER

COUNTY OF NASSAU
DEPARTMENT OF HEALTH
240 OLD COUNTRY ROAD
MINEOLA, N.Y. 11501-4250

November 14, 1994

Mr. Michael Padula
Tishcon Corporation
30 New York Avenue
P.O.Box 331
Westbury, N.Y. 11590

Re: Work Plan
Leaching Pool Contamination
Investigation and Clean-up
125 State Street
Westbury
NCDH Facility No. 3832

Dear Mr. Padula:

We have reviewed the above referenced Work Plan and have the following comments:

1- Pg. 2, Task 1- Soil Borings- Please indicate where and at what depth the soil samples are to be taken. Are the samples to be taken when the portable organic vapor meter does not detect any organics or prior to that reading ?

2- Pg. 2, Task 2- Waste Characterization-

a- Sediment samples from the bottom of pools 1 and 2 should be separate samples and not composites as called for in the Plan.

b- Water samples from the three pools should be separate samples and a composite sample as stated.

c- Has the local treatment plant been contacted to see whether the water can be discharged to

the sanitary sewer system ?

3- Pg. 2, Task 4- Disposal of Drummed Sediments..-Power washing of the 55 gallon drums should be performed in such a manner that no dust or contaminated water is released into the air or to the ground. The procedure should be clarified.

4- Pg. 3- Task 5- Clean out of pools 2,4,5...- The plan calls for the immediate backfilling of these pools prior to the receipt of the laboratory results for the end point samples. Thought should be given to additional excavation that might have to be done if these samples show further contamination.

5- Pg. 3- Task 7- Report Preparation- A section should be added to the report to analyze the remediation efforts and sample results to determine whether additional investigation or work is required at the site.

6- What laboratory is going to be utilized for sample analysis? Is the laboratory certified by NYSDOH for this type of analysis?

7- What procedures for the calibration of the portable organic vapor meter are to be followed?

If you have any questions concerning the above comments, I can be reached at (516) 571-3642.

Very Truly Yours,

Steven D. Silvers, P.E.
Assistant to the Director
Bureau of Environmental Engineering

cc: Eric Weinstock, C.A. Rich Consultants

tshcnwp

WORK PLAN

Leaching Pool Contamination Investigation and Clean-Up Westbury, New York

October 1994

Prepared for:

TISHCON CORP.
30 New York Avenue
Westbury, N.Y. 11590

Prepared by:

CA Rich Consultants, Inc.
404 Glen Cove Avenue
Sea Cliff, N.Y. 11579

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

October 27, 1994

Nassau County Department of Health
240 Old Country Road
Mineola, New York 11501

Attention: Thomas Norris

Re: Work Plan
Leaching Pool Contamination Investigation and Clean-Up
Westbury, New York

Dear Mr. Norris:

The following Work Plan addresses the investigation and remediation of leaching pools at Tishcon's Westbury facility.

Understanding of the Current Situation

The TISHCON Corporation facility at 125 State Street has a driveway that is underlain by four leaching pools. An illustration of these pools is included as Figure 1. The Nassau County Department of Health (NCDH) has requested that sediments contaminated with volatile organics & metals be removed from these pools and that the material removed be properly disposed.

During August of 1993, a partial removal of the leaching pool sediments was performed. The removal of contaminated sediments from pool 3 was completed and the results of the end-point samples were acceptable to NCDH. Soil was also removed from pool 1, however, the end-point samples indicate that the compounds chloroform, ethyl benzene, methylene chloride and xylene remained at concentrations above the NCDH action levels. Soil removal from pools 2 and 4 has not been completed.

In a letter dated March 25th, the NCDH requested that Tishcon address the identification and removal of contaminated liquids, sludges and soils from this site. We propose to achieve this through the performance of the following activities:

- sampling and analysis drummed sediments removed from the pools and stored on-site;
- borings to delineate the volume of contaminated sediments remaining in the pools;
- select the most cost-effective facility for proper disposal of the excavated material;
- removal of leaching pool liquids and sediments, as required;
- proper disposal of the removed water and soil; and,
- preparation of a report.

404 GLEN COVE AVENUE, SEA CLIFF, NEW YORK 11579 • TEL 516/674-3889 • FAX 516/674-3901

Scope of Work

Task 1 - Soil Borings

One (1) soil boring will be performed in leaching pools 1, 2, 4 and distribution box 5 using a Geoprobe (TM) soil sampling device. An initial soil core will be collected at 2 feet below the bottom pool. The soil sample will be retrieved and analyzed in the field using a potable organic vapor meter. This procedure will be continued until no detections are recorded with the field meter. At least one sample from each boring will be placed in a sample bottle and analyzed by a NYS-certified laboratory for VOCs using EPA methods 8010/8020 and for the eight RCRA metals. The results of these samples will be used to determine the depths and volumes of soil for removal.

Task 2 - Waste Characterization Sampling and Analysis

One (1) composite sample of the water in the 3 pools will be collected and analyzed for VOCs and RCRA metals. This information will be used to determine if the water can be disposed of at the local wastewater treatment plant.

In addition, three samples of the sediments from the bottom of the pools will also be collected.

- One sample will be collected by compositing soil from pools 1 and 2 as these sediments are believed to be similar in nature;
- A second sample will be collected from pool 4; and,
- A third composite sample of the drummed sediments currently staged on the property will also be collected.

These samples will be analyzed for TCLP metals, TCLP VOCs, TCLP SVOCs, pH, flash point and reactivity. Using these results, the most cost-effective, permitted disposal facility will be selected for disposal of these sediments.

Task 3 - Progress Letter/Report

The results of the borings and the laboratory analysis will be summarized in a letter/report to NCDH. This letter/report will present tables of the results of the laboratory analysis along with the NYSDEC clean up guidance values. The depth of soil that will have to be removed from each pool and the anticipated disposal facilities will also be included.

Task 4 - Disposal of drummed sediments previously excavated and stored on-site

Numerous 55-gallon drums of sediments excavated in 1993 are currently stored on the property. Based on the results of the waste characterization analysis, a permitted disposal facility will be selected and arrangements for disposal of the drummed sediments will be confirmed.

Using either 20 cubic yard roll-off containers or 30 cubic yard dump trailers, the drummed sediments will be emptied and consolidated for transport to an approved facility. The empty drums will be power washed, crushed and disposed of as scrap metal. Completion of this phase of work will provide for additional space on the property needed to stage equipment for the following work items.

Task 5 - Clean out of Pools 2, 4, 5 and the backfilled sewer line, (as required)

The bottom of pools 2, 4, 5 (as required based on the sample analysis) and the backfill around the sewer pipe will be excavated. As indicated in the NCDH's March 25, 1994 letter, no action is required at pool 3 at this time. A super sucker will be mobilized to the site to clean out the pools. Soil removed from the pools will be placed directly into either 20 cubic yard roll-off containers or 30 cubic yard dump trailers. Samples of the excavation bottom will be screened on-site during the excavation process using a portable organic vapor meter. One end-point sample will be collected from the bottom of each excavation and analyzed for volatile organics and eight RCRA metals as per the County's request. The pools will be backfilled with clean fill upon completion of the excavation and the excavated material will be transported to a permitted disposal facility with appropriate manifests.

It is necessary to complete Task 5 before beginning Task 6, the removal of leaching pool 1. Leaching pools 1, 2, and 3 are located in the driveway of the facility between pool 1 and State Street. We will need to stage either 20 cubic yard roll-off containers or 30 cubic yard dump trailers over these pools before proceeding with the removal of pool 1.

Task 6 - Removal of Leaching Pool 1

Previous efforts to clean out pool 1 indicate that soils in the bottom of this pool are chemically cemented and that the depth of contamination probably exceeds the capacity of a super sucker. To clean out this pool we propose to remove or "pull" the existing concrete rings and excavate the underlying soils. The selection of equipment will be based on the results of the soil borings. Generally, if the contamination is less than approximately 22 feet below grade, a track-mounted excavator can be used to perform this task. If the contamination extents to a depth of up to approximately 35 feet below grade, a crane will have to be utilized. This may require the use of 10 foot diameter concrete rings to shore the excavation during the removal process. Should the contamination extend below 35 feet below grade, complete removal is not cost-effective or feasible. Some combination of excavation coupled with an in-situ treatment technique such as a vapor extraction system (VES) should be considered.

Similar to the description outlined in task 4, one (1) end-point sample will be collected from the bottom of each excavation and analyzed for volatile organics and eight RCRA metals as per the County's request. The pools will be backfilled with clean fill upon completion of the excavation and the excavated material will be transported to a permitted disposal facility with appropriate manifests.

Task 7 - Report Preparation

Once the sampling is completed and the results are received from the laboratory, a report will be prepared. The report will include the following:

- A description of the work performed;
- The results of the soil boring samples;
- The results of the waste characterization samples;
- A record of the volumes of wastes removed and the disposal facilities; and,
- Copies of the waste disposal manifests.

Project Schedule

We propose to perform the scope of work described in this Work Plan following the schedule outlined below.

Work Task	Time Frame
Task 1 - Soil Borings and **Task 2** - Waste Characterization Sampling & Analysis	4 weeks
Task 3 - Progress Letter/Report	2 weeks
Task 4 - Disposal of drummed sediments previously excavated and stored on-site	2 weeks
Task 5 - Clean out of Pools 2, 4, 5 and the backfilled sewer line, (as required)	4 weeks
Task 6 - Removal of Leaching Pool 1	4 weeks
Task 7 - Report Preparation	4 weeks

As indicated above, a period of 5 months is envisioned for the performance of this work. However, to allow for circumstances beyond our control, such as inclement Winter weather and required Agency reviews, we suggest that a period of at least 6 months be set aside for this project.

If you have any questions regarding this Work Plan, please do not hesitate to call our office. We look forward to working with you on this most important project.

Sincerely,

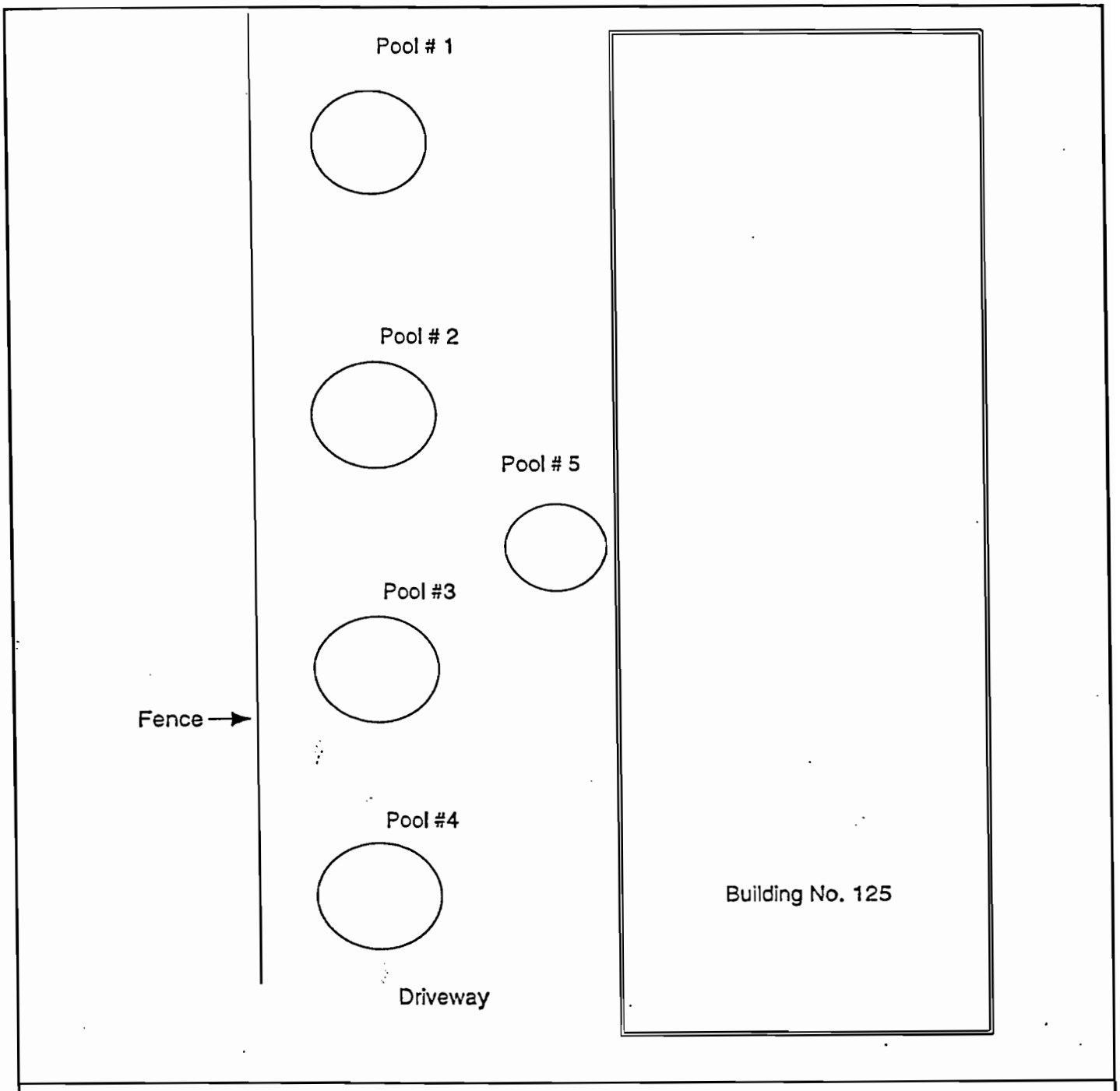
CA RICH CONSULTANTS, INC.

Eric Weinstock

Eric A. Weinstock
Project Manager

CC: Michael Padula

EAW:mg
Attachments
Epson: C:\Winword\Projects\TISH-WP.doc



CA RICH CONSULTANTS, INC.
CERTIFIED GROUNDWATER AND ENVIRONMENTAL SPECIALISTS
404 GLEN COVE AVENUE
SEA CLIFF, NEW YORK 11579

TISCHON CORP.
Westbury, NY
Facility Map
FIGURE 1

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

March 22, 1995

County of Nassau
Department of Health
240 Old Country Road
Mineola, New York 11501-4250

Attn: Mr. Thomas Norris

Re: Tishcon Corporation
125 State Street
Westbury, New York 11590
Facility Id. #3832

Dear Mr. Norris:

This letter/report summarizes the "Soil Borings" and "Waste Characterization Sampling and Analysis" activities performed at the above location on February 16, 1995. These activities were conducted in accordance with Task 1 and 2 of our October 1994 Work Plan, entitled "Leaching Pool Contamination, Investigation and Clean-up". Only Pools 1, 2, 4 and Distribution Box 5 were investigated. Pool 3 was previously remediated and was not included as a part of this investigation.

Field Procedures

Each pool was accessed by lifting the grate at the top of the 8 foot diameter concrete ring. Depth measurements were taken to the bottom of the pool as well as water level elevations (Table 1). Also, one (1) composite sample of the water in the pools was collected and analyzed for VOCs and RCRA metals (Table 2).

An initial sediment sample was collected from the bottom of each pool. The samples collected from pools 1 and 2 were composited into one sample because the pools are connected and therefore these sediments are believed to be similar in nature. A composite sample from two 55-gallon drums was also collected as a representative drum sample. The samples were submitted to a New York State certified laboratory and analyzed for TCLP metals, TCLP VOCs, TCLP SVOCs, pH, ignitability, and reactivity (see Table 3 for results).

Subsequently, a soil boring was advanced into leaching pools 1, 2, 4, and distribution box 5 using a Geoprobe™ soil boring system and a two-inch diameter core barrel sampling device. An initial sample was collected between 0-2 feet below the bottom of the each pool and screened with a portable organic vapor meter. This procedure was to be continued every two feet until no detections were recorded, whereas an endpoint soil sample was to be collected. However, since detections were not consistently measured, borings were advanced until non-odorous, clean soil was visually observed. Samples were then collected and submitted to the laboratory and analyzed for VOCs using EPA methods 8010/8020 and for RCRA metals (see Table 4 for results). These samples represent the clean endpoint depth of each pool and have been used to determine the depths and volumes of contaminated soils to be removed.

All samples were transported in chilled coolers accompanied with chain-of-custody documentation and trip blanks to NYTEST Environmental, Inc. (Port Washington, NY) for analysis.

Analytical Results and Quantity Estimates

Table 1 presents the boring information and estimated quantities of aqueous and non-aqueous materials to be removed and disposed. Pool 1 is 15.5 feet from grade to bottom. Water is present at 11 feet below grade, resulting in 4.5 feet of standing water (1700 gallons). A "clean" endpoint sample (SB-PL1) was collected from 30-32 feet below grade, resulting in a 14.5 feet of contaminated sediment to be removed (27 cubic yards). (SB-PL1 was collected from outside the dimensions of the ring due to bending of the probe rods from lack of side support. The boring was advanced just outside the side wall of the ring. Visually impacted sediment was observed to just above 30 feet).

Pool 2 is 13.5 feet grade to bottom with 6.5 feet of water. Endpoint sample SB-PL2 was collected at 6-8 feet below the bottom of the pool at a depth of 19.5-21.5 feet below grade. This amounts to 2450 gallons of water and 11 cubic yards of contaminated sediment to be removed.

Pool 4 is 15 feet grade to bottom with 10 feet of water. Endpoint sample SB-PL4 was collected at 4-6 feet below the bottom of the pool at a depth of 19-21 feet below grade. This amounts to 3760 gallons of water and 7.5 cubic yards of contaminated sediment.

Distribution Box #5 contained approximately 2 feet of contaminated sediment. Endpoint sample SB-PL5 was collected at 2-4 feet. Approximately 2 cubic yards of contaminated sediment is present.

In all, 47.5 cubic yards of contaminated sediment and 7910 gallons of water are to be removed from the leaching pools. Additionally, seventy-one (71) 55-gallon drums are presently stored on-site and will be disposed of as a listed waste.

Based on the laboratory results, the Belleville Michigan Disposal Facility has agreed to accept the contents of the drums and the contaminated sediments as a listed hazardous material. The Bay Park Water Treatment Facility has agreed to accept the water.

Schedule

The next work item scheduled for this project will be the proper disposal of the existing 55-gallon drums of sediment presently stored at ground level on the site. We will provide you with a date for the drum removal at least five (5) days in advance. Following the drum removal, a schedule for removal of the pool sediments will be developed.

If you have any questions, please do not hesitate to call the undersigned at 516-674-3889.

Sincerely,

CA RICH CONSULTANTS, INC.

George A. Tyers
Project Hydrogeologist

Eric A. Weinstock
Associate Hydrogeologist

cc: M. Padula, Tishcon Corp.
GAT, EAW:gt
Attachments

TABLE 1
Summary of Borings
Tishcon Corporation
Westbury, New York

Pool ID	Pool 1	Pool 2	Pool 4	Dist. Box 5	Totals
Initial depth from top of concrete ring to bottom of pool	15.5 ft.	13.5 ft.	15 ft.	N/A	N/A
depth of water in pool	4.5 ft.	6.5 ft.	10 ft.	N/A	N/A
depth interval of endpoint sample (from bottom of pool)	15-17 ft.	6-8 ft.	4-6 ft.	2-4 ft.	N/A
feet of contaminated soil to be removed	14.5	6 ft.	4 ft.	2 ft.	N/A
quantity of soil to be removed	27 yd^3	11 yd^3	7.5 yd^3	2 yd^3	47.5 yd^3
quantity of water	1700 gal.	2450 gal.	3760 gal.	None	7910 gal.
Depth Interval*	Organic Vapor	Organic Vapor	Organic Vapor	Organic Vapor	
0-2	ND	<1 ppm	ND	4 ppm	
2-4	ND	N/A	ND	ND**	
4-6	N/A	ND	ND**		
6-8	N/A	ND**			
8-10	ND				
14.5-16.5	ND**				

ND - None Decteted
N/A - Not Available
* Depth in feet below pool bottom
** Sample sent to laboratory for analysis

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
Composite Water Sample - Pools 1, 2 and 4
Tishcon Corporation
Westbury, New York

Sample ID Location Date Matrix	SW-124 Pools 1,2&4 2/16/95 Water	NYSDEC Groundwater Standard
VOLATILES (ug/l)		
Chloromethane	1.0U	5
Bromomethane	1.0U	5
Vinyl Chloride	1.0U	2
Chloroethane	1.0U	5
Methylene Chloride	6.8	5
1,1-Dichloroethene	1.0U	5
1,1-Dichloroethane	4.2	5
1,2-Dichloroethene (trans)	1.0U	5
Chloroform	1.0U	7
1,2-Dichloroethane	1.0U	5
1,1,1-Trichloroethane	0.7J	5
Carbon Tetrachloride	1.0U	5
Bromodichloromethane	1.0U	50
1,2-Dichloropropane	1.0U	5
cis-1,3-Dichloropropene	1.0U	5
Trichloroethene	1.0U	5
Dibromochloromethane	1.0U	50
1,1,2-Trichloroethane	1.0U	5
Benzene	1.0U	0.7
trans-1,3-Dichloropropene	1.0U	5
Tetrachloroethene	1.0U	5
1,1,2,2-Tetrachloroethane	1.0U	5
Toluene	1.0U	5
Chlorobenzene	1.0U	5
Ethylbenzene	1.0U	5
Xylene(total)	1.0U	5
Dichlorodiflouromethane	1.0U	5
Trichloroflouromethane	1.0U	5
1,2-Dichlorobenzene	1.0U	4.7
1,3-Dichlorobenzene	1.0U	5
1,4-Dichlorobenzene	1.0U	5
Bromoform	1.0U	50
INORGANICS (ug/l)		
Arsenic	5.0U	25
Barium	71.0B	1000
Cadmium	2.0U	10
Chromium	5.0U	50
Lead	13.9	25
Mercury	0.20U	2
Selenium	5.0U	10
Silver	6.0U	50

Codes: U - This analyte was not detected in the sample or below blank/method limit. The number is the minimum detected limits for the sample.
J - Indicates an estimated volume.
B - Sample value greater than Instrument Detection Limit, but less than reporting limit.

TABLE 3 - SUMMARY OF ANALYTICAL RESULTS
Waste Characterization Samples
Tishcon Corporation
Westbury, New York

Sample ID Location Depth Date	WCPL-12 Pools 1&2 0-2 ft. 2/16/95	WCPL-4 Pool 4 0-2 ft. 2/16/95	DRUM1 55-gal. drum N/A 2/16/95	Hazardous Waste Regulatory Levels
pH	7.17	7.39	7.25	
Corrosivity, inch/yr.	0.01U	0.01U	0.01U	
Cyanide, Reactive, ppm	1U	1U	1U	
Ignitability, degrees F	212E	212E	212E	
Sulfide, Reactive, ppm	1U	1U	1U	
VOLATILES (mg/l)				
Vinyl Chloride	0.05U	0.05U	0.05U	0.2
1,1-Dichloroethene	0.05U	0.05U	0.05U	0.7
Chloroform	0.05U	0.05U	0.05U	6.0
1,2-Dichloroethane	0.05U	0.05U	0.05U	0.5
2-Butanone	0.05U	0.05U	0.16	200
Carbon Tetrachloride	0.05U	0.05U	0.05U	0.5
Trichloroethene	0.05U	0.05U	0.02J	0.5
Benzene	0.05U	0.05U	0.05U	0.5
Tetrachloroethene	0.05U	0.05U	0.01J	0.7
Chlorobenzene	0.05U	0.05U	0.05U	100.0
SEMI-VOLATILES (mg/l)				
2-Methylphenol	0.04U	0.04U	0.40U	200
3+4-methylphenol	0.03J	0.08U	2.30D	200
2,4-Dinitrotoluene	0.04U	0.04U	0.40U	0.13
Hexachlorobenzene	0.04U	0.04U	0.40U	0.13
Hexachlorobutadiene	0.04U	0.04U	0.40U	0.5
Hexachloroethane	0.04U	0.04U	0.40U	3.0
Nitrobenzene	0.04U	0.04U	0.40U	2.0
Pentachlorophenol	0.20U	0.20U	2.00U	100.0
Pyridine	0.04U	0.04U	0.40U	5.0
2,4,5-Trichlorophenol	0.04U	0.04U	0.40U	400.0
2,4,6-Trichlorophenol	0.04U	0.04U	0.40U	2.0
1,4-Dichlorobenzene	0.04U	0.04U	0.40U	7.5
INORGANICS (mg/l)				
Arsenic	0.182600	0.046000U	0.193210	5.0
Barium	0.406220	0.376860	0.239820	100.0
Cadmium	0.002000U	0.002000U	0.002000U	1.0
Chromium	0.016010	0.014660	0.014710	5.0
Lead	0.030000U	0.517720	0.030000U	5.0
Mercury	0.000430	0.000200U	0.000255	0.2
Selenium	0.076000U	0.076000U	0.076000U	1.0
Silver	0.006000U	0.005000U	0.006000U	5.0

Codes: U - This analyte was not detected in the sample or below blank/method limit. The number is the minimum detected limits for the sample.
J - Indicates an estimated volume.
E - Above method limit.

TABLE 4 - SUMMARY OF ANALYTICAL RESULTS
Soil Boring Endpoint Samples
Tishcon Corporation
Westbury, New York

Sample ID Location Date Matrix	SB-PL1 Pool 1 2/16/95 Soil	SB-PL2 Pool 2 2/16/95 Soil	SB-PL4 Pool 4 2/16/95 Soil	SB-PL5 Pool 5 2/16/95 Soil	NYSDEC Soil Clean-up Objectives (mg/l)
VOLATILES (ug/l)					
Chloromethane	1.0U	1.1U	1.1U	1.2U	
Bromomethane	1.0U	1.1U	1.1U	1.2U	
Vinyl Chloride	1.0U	1.1U	1.1U	1.2U	0.2
Chloroethane	1.0U	1.1U	1.1U	1.2U	1.9
Methylene Chloride	1.0U	1.1U	1.1U	1.2U	0.1
1,1-Dichloroethene	1.0U	1.1U	1.1U	1.2U	0.4
1,1-Dichloroethane	1.0U	1.1U	1.1U	1.2U	0.2
1,2-Dichloroethene (trans)	1.0U	1.1U	1.1U	1.2U	0.3
Chloroform	1.0U	1.1U	1.1U	1.2U	0.3
1,2-Dichloroethane	1.0U	1.1U	1.1U	1.2U	0.1
1,1,1-Trichloroethane	1.0U	1.1U	1.1U	1.2U	0.8
Carbon Tetrachloride	1.0U	1.1U	1.1U	1.2U	0.6
Bromodichloromethane	1.0U	1.1U	1.1U	1.2U	
1,2-Dichloropropane	1.0U	1.1U	1.1U	1.2U	
cis-1,3-Dichloropropene	1.0U	1.1U	1.1U	1.2U	
Trichloroethene	1.0U	1.1U	1.1U	1.2U	0.7
Dibromochloromethane	1.0U	1.1U	1.1U	1.2U	N/A
1,1,2-Trichloroethane	1.0U	1.1U	1.1U	1.2U	
Benzene	1.0U	1.1U	1.1U	1.2U	0.06
trans-1,3-Dichloropropene	1.0U	1.1U	1.1U	1.2U	
Tetrachloroethene	1.0U	1.1U	1.1U	1.2U	1.4
1,1,2,2-Tetrachloroethane	1.0U	1.1U	1.1U	1.2U	0.6
Toluene	1.0U	1.1U	1.1U	1.2U	1.5
Chlorobenzene	1.0U	1.1U	1.1U	1.2U	1.7
Ethylbenzene	1.0U	1.1U	1.1U	1.2U	5.5
Xylene(total)	1.0U	1.1U	1.1U	1.2U	1.2
Dichlorodiflouromethane	1.0U	1.1U	1.1U	1.2U	
Trichloroflouromethane	1.0U	1.1U	1.1U	1.2U	
1,2-Dichlorobenzene	1.0U	1.1U	1.1U	1.2U	7.9
1,3-Dichlorobenzene	1.0U	1.1U	1.1U	1.2U	1.6
1,4-Dichlorobenzene	1.0U	1.1U	1.1U	1.2U	8.5
Bromoform	1.0U	1.1U	1.1U	1.2U	
INORGANICS (ug/l)					
Arsenic	1.3	0.48U	0.60B	1.3	7.5 or SB
Barium	3.2B	2.6B	4.5B	7.5B	300 or SB
Cadmium	0.20U	0.21U	0.19U	0.22U	1 or SB
Chromium	4.9	2.6	3.1	5.2	10 or SB
Lead	3.0U	3.2U	2.8U	3.3U	SB
Mercury	0.10U	0.11U	0.11U	0.12U	0.1
Selenium	0.50U	0.48U	0.57U	0.56U	2 or SB
Silver	0.60U	0.63U	0.56U	0.66U	SB

Codes: U - This analyte was not detected in the sample or below blank/method limit. The number is the minimum detected limits for the sample.
J - Indicates an estimated volume.
E - Above method limit.
B - Sample value greater than Instrument Detection Limit, but less than reporting limit.
SB - Site Background
N/A - Not Available

Attachment 5

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

QUALITY ASSURANCE and DATA USABILITY REPORT
SOIL and GROUNDWATER SAMPLES

Tishcon Corporation
125 State Street, Westbury, New York

1.0 INTRODUCTION

This Quality Assurance and Data Usability Report reviews field and laboratory data obtained during the collection of soil and groundwater samples in August 1996 at the Tishcon Corporation site located at 125 State Street, Westbury, New York. This report presents a summary of the results of performance and system audits, an assessment of data accuracy, precision and completeness, and the analytical data validation report. This report incorporates the Data Quality Objectives (DQO's) outlined in the Quality Assurance Project Plan (QAPjP) prepared for the Tishcon Corporation site approved by NYSDEC and dated December 1995.

All soil samples collected were analyzed for Volatile Organic Compounds (VOCs-NYSDOH Method 91-1) and all groundwater samples collected were analyzed for Volatile Organic Compounds (EPA Method 8240). In addition, chemical analysis of field and trip blanks, matrix spike/matrix spike duplicates and sample duplicates was conducted as required by the QAPjP. All chemical analyses were conducted by Nytest Environmental Laboratories, Inc. (NEI) of Port Washington, New York.

2.0 QUALITY ASSURANCE REVIEW

The following sections summarize the results of performance and system audits, an assessment of data accuracy, precision and completeness, and the analytical data validation report. After consideration of the following items, this quality assurance review has determined that all of the data generated is valid and usable.

404 GLEN COVE AVENUE, SEA CLIFF, NEW YORK 11579 • TEL 516/674-3889 • FAX 516/674-3901

2.1 Performance and System Audits

Performance and system audits were completed in the field and at the laboratory during the conductance of the Remedial Investigation Work Plan. Field audits were conducted by the Project Manager and/or the Quality Assurance Officer or their designee to ensure that DQO's were adhered to during all data collection activities.

The field audits were conducted to verify that procedures conducted in the field were completed in accordance with established protocols presented in the Remedial Investigation Work Plan and to identify any deficiencies that would potentially impact data quality. The completed field audits did not identify deficiencies that could potentially impact data quality. Copies of applicable Field Quality Control Check forms are included in Attachment A. Laboratory audits were performed internally by NEI in accordance with NYSDEC ASP (December 1991) deliverables. Any deficiencies were identified either in the NEI's case narrative or through the data validation procedure are discussed further in Section 2.3

2.2 Data Assessment

Field and analytical data generated during the Remediation Work Plan field activities was evaluated with respect to precision, accuracy and completeness.

2.2.1 Precision

- **Field** - Field precision was controlled through the use of properly calibrated meters and duplicate field measurements. Review of daily log book entries and field quality control checks did not indicate evidence of field performance that would compromise the usability of field measurement results.

- **Laboratory** - Measurement of precision was assessed through the collection of field duplicated samples. Duplicate sampling was conducted on B-3 (soil) and GW2 (groundwater). Data precision can be calculated using the following relative percent difference (RPD) equation:

$$RPD = \frac{(A-B)}{(A+B)/2} \times 100$$

where; A = analytical result of one of the duplicated measurements.
B = analytical result of the second measurement.

Based on the results of data validation, the following was observed:

- Good precision was observed for detected VOCs in the soil and groundwater field duplicate pairs.

2.2.2 Accuracy

- **Field** - Field accuracy was controlled through the use of properly calibrated meters and adherence to established protocols. Review of daily log book entries and field quality control checks did not indicate evidence of field performance that would compromise the usability of field measurement results.

- **Laboratory** - Laboratory accuracy was assessed through the use of matrix spike (MS) and matrix spike duplicate (MSD) samples associated with B-2 (20-22) and GW2Dup. Accuracy is calculated as a percent recovery as follows:

$$\text{Accuracy} = \frac{A-X}{B} \times 100$$

where;
A = Value measured in spiked sample.
X = Value measured in original sample.
B = True value of the amount added to sample.

Based on the results of data validation, the following was observed:

- Percent recoveries for VOC spike compounds fell within QC limits in the MS/MSD samples.

2.2.3 Completeness

- **Field/Laboratory**- Field/laboratory completeness was measured by comparing the number of samples collected and analyzed to the proposed number indicated in Table 1 of the QAPjP and is calculated by the following equation:

$$\text{Completeness} = \frac{\text{Number of samples collected/analyzed}}{\text{Proposed Number of samples}} \times 100$$

The number of soil samples collected and analyzed was equal to the number of proposed samples resulting in a 100% completion of the soil sampling program.

The number of groundwater samples collected and analyzed was equal to the number of proposed samples resulting in a 100% completion of the groundwater sampling program.

2.3 Data Validation

The data validation review was conducted by Premier Environmental Services according to the guidelines in the USEPA Contract Laboratory Program National Functional Guidelines, February 1994 and the NY DEC Analytical Services Protocol, December 1991, ASP Method 91-1. A copy of the data validation report is included in Attachment B and summarized below.

Based on the review and interpretation of quality control results, the data reviewer offered data qualifiers. The data qualifications allow the data end-user to best understand the usability of the analysis results. Tables 1 and 2 present the analytical data after validation.

2.3.1 Organic Data

With respect to data usability, the principal areas identified by the data reviewer was limited to blank contamination and calibration issues. Deficiencies identified by the data reviewer were related to the detection of methylene chloride and acetone, which have been qualified due to their occurrence in trip and field blanks at similar concentrations detected in actual samples. Therefore the low level detections of methylene chloride and acetone in samples is considered to be a result laboratory introduced contamination.

3.0 DATA USABILITY

Overall, the field and laboratory data generated during this aspect of the Remedial Investigative Work completed at the Tishcon Corporation site is considered acceptable for use. Review of log book entries, equipment calibration/maintenance records, results of the field quality control checks, and the data validation process did not indicate reasons which suggest that the data obtained is unreliable and should be rejected.

Furthermore, no data was rejected during the rigorous validation process completed by Premier Environmental Services. Some of the data have been qualified to account for interpretation of the quality control results. However, the qualified data does not impact the usability of the analytical results. Therefore, CA RICH believes that the use of the analytical data is acceptable after consideration and understanding of the data qualifiers.

TABLE 1

Summary of Soil Analysis
After Data Validation
Tishcon, State Street Facility

Sample ID	SS-1	B1	B-1	B-1	B-2	B-2	B-2	B-2	B-2	NYSDEC TAGM *
Depth (bls)		(10-12)	(20-22)	(30-32)	(10-12)	(20-22)	(30-32)	(40-42)	(50-52)	Cleanup Objectives
Date Sampled	8/23/96	8/23/96	8/23/96	8/23/96	8/26/96	8/26/96	8/26/96	8/26/96	8/26/96	
Volatile Organics (NYSDOH Method 91-1)										
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Chloromethane	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	NV
Bromomethane	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	NV
Vinyl chloride	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	200
Chloroethane	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	1,900
Methylene chloride	14 U	10 U	9 U	4 UJ	4 UJ	2 UJ	4 U	5 UJ	5 UJ	100
Acetone	10 J	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	12 UJ	11 UJ	200
Carbon Disulfide	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	2,700
1,1-Dichloroethene	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	400
1,1-Dichloroethane	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	200
1,2- Dichloroethene (total)	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	300
Chloroform	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	300
1,2-Dichloroethane	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	100
2-Butanone	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	300
1,1,1-Trichloroethane	5 J	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	800
Carbon Tetrachloride	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	600
Bromodichloromethane	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	NV
1,2-Dichloropropane	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	NV
cis-1,3-Dichloropropene	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	NV
Trichloroethene	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	700
Dibromochloromethane	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	NV
1,1,2-Trichloroethane	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	NV
Benzene	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	60
trans-1,3-Dichloropropene	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	NV
Bromoform	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	NV
4-Methyl-2-Pentanone	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	1,000
2-Hexanone	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	NV
Tetrachloroethene	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	1,400
1,1,2,2-Tetrachloroethane	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	600
Toluene	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	1,500
Chlorobenzene	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	1,700
Ethylbenzene	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	5,500
Styrene	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	NV
Xylene (total)	11 U	10 U	10 U	10 U	10 U	10 U	10 U	12 U	11 UJ	1,200

Notes:

ug/Kg: micrograms per Kilogram

U: compound not detected at or above detection limit. Number represents compound detection limit.

J: estimated concentration.

NV: no value is reported.

** NYSDEC Technical and Administrative Guidence Memorandum: Determination of Cleanup Objectives and Cleanup Levels; 1/24/96*

TABLE 1

Summary of Soil Analysis
After Data Validation
Tishcon, State Street Facility

Sample ID	B-3	B-3	B-3	B-3	B3Dup	B-3	B-4	B-4	B-4	B-4	FBS	NYSDEC TAGM *
Depth (bls)	(10-12)	(20-22)	(30-32)	(40-42)	(40-42)	(50-52)	(15-17)	(20-22)	(25-27)	(35-37)		Cleanup Objectives
Date Sampled	8/26/96	8/26/96	8/26/96	8/26/96	8/26/96	8/26/96	8/26/96	8/26/96	8/26/96	8/26/96	8/26/96	
Volatile Organics (NYSDOH Method 91-1)												
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Chloromethane	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	NV
Bromomethane	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	NV
Vinyl chloride	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	200
Chloroethane	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	1,900
Methylene chloride	4 UJ	8 U	4 U	5 U	21 U	5 U	4 UJ	4 UJ	4 UJ	6 UJ	2 J	100
Acetone	10 UJ	10 UJ	10 UJ	4 J	7 J	7 J	5 J	11 UJ	6 J	15 J	10 U	200
Carbon Disulfide	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	2,700
1,1-Dichloroethene	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	400
1,1-Dichloroethane	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	200
1,2- Dichloroethene (total)	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	300
Chloroform	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	300
1,2-Dichloroethane	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	100
2-Butanone	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	300
1,1,1-Trichloroethane	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	800
Carbon Tetrachloride	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	600
Bromodichloromethane	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	NV
1,2-Dichloropropane	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	NV
cis-1,3-Dichloropropene	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	NV
Trichloroethene	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	700
Dibromochloromethane	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	NV
1,1,2-Trichloroethane	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	NV
Benzene	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	60
trans-1,3-Dichloropropene	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	NV
Bromoform	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	NV
4-Methyl-2-Pentanone	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	1,000
2-Hexanone	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	NV
Tetrachloroethene	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	1,400
1,1,2,2-Tetrachloroethane	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	600
Toluene	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	1,500
Chlorobenzene	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	1,700
Ethylbenzene	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	5,500
Styrene	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	NV
Xylene (total)	10 U	10 U	10 U	11 U	12 U	11 U	10 U	11 U	10 U	11 U	10 U	1,200

Notes:
ug/Kg: micrograms per Kilogram
U: compound not detected at or above detection limit. Number represents compound detection limit.
J: estimated concentration.
NV: no value is reported.

** NYSDEC Technical and Administrative Guidence Memorandum: Determination of Cleanup Objectives and Cleanup Levels; 1/24/96*

TABLE 2

Summary of Groundwater Analysis
After Data Validation
Tishcon, State Street Facility

Sample ID	GW1	GW2	GW2Dup	TB	FB	N11842	UN11	TB821	FB822	NYSDEC
Date Sampled	8/26/96	8/26/96	8/26/96	8/26/96	8/26/96	8/22/96	8/22/96	8/22/96	8/22/96	TOGS*
Volatile Organics (EPA Method 8240)										
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NV
Bromomethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
Vinyl chloride	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2
Chloroethane	12	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
Methylene chloride	10 U	10 U	10 U	9 J	8 J	10 U	10 U	9 J	8 J	5
Acetone	10 U	10 U	10 U	10 U	10 U	10 U	17 U	10 U	10 U	50
Carbon Disulfide	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NV
1,1-Dichloroethene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
1,1-Dichloroethane	200	10 U	10 U	10 U	10 U	10 U	10	10 U	10 U	5
1,2- Dichloroethene (total)	92	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
Chloroform	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	7
1,2-Dichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
2-Butanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NV
1,1,1-Trichloroethane	61	10 U	10 U	10 U	10 U	61	60	10 U	10 U	5
Carbon Tetrachloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
Bromodichloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50
1,2-Dichloropropane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
cis-1,3-Dichloropropene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
Trichloroethene	36	10 U	10 U	10 U	10 U	14	3 J	10 U	10 U	5
Dibromochloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50
1,1,2-Trichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
Benzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.7
trans-1,3-Dichloropropene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
Bromoform	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50
4-Methyl-2-Pentanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NV
2-Hexanone	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	50
Tetrachloroethene	66	10 U	10 U	10 U	10 U	2 J	64	10 U	10 U	5
1,1,2,2-Tetrachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
Toluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
Chlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
Ethylbenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
Styrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5
Xylene (total)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5

Notes:
ug/L: micrograms per liter
U: compound not detected at or above detection limit. Number represents compound detection limit.
J: number represents estimated concentration (below reportable limits)
NV: no value is reported

** NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values; 10-22-93*

: concentration exceeds NYSDEC TOGS levels

Prepared by CA RICH CONSULTANTS, INC.

Users\Chris\Gone\Tables\Tishcon\State St.\8240GWA.D.V.

4.0 CERTIFICATION

I certify that to the best of my knowledge, after appropriate inquiries of all relevant persons involved in the preparation of this report, that the information submitted in this Report is true, accurate and complete.

Respectfully Submitted,

CA RICH CONSULTANTS, INC.

Steven Sobstyl
Quality Assurance Officer

Eric A. Weinstock, CPG
Project Manager

Users:Steve/Projects/Active/Tishcon-Q.A./Tishcon@QA Rpt.State St.

ATTACHMENT A
Field Quality Control Check Forms

CA RICH CONSULTANTS, INC.
Field Quality Control Checks

Date: 6/23/96 By: Steven Marsch.

Check List	Were the following performed (Yes or No)
• **Field Measurements** - To verify the quality of data collected using field instrumentation, at least one duplicate measurement will be obtained per day and reported for all field analytical measurements.	Yes
• **Equipment Calibration** - Meters should be calibrated within 24-hours prior to use.	Yes
• **Equipment Decon** - Sampling equipment should be deconed as stated in the Sampling & Analysis Plan	Yes
• **Sample Containers** - Certified-clean sample containers in accordance with Exhibit I of the NYSDEC ASP (Dec. 1991) will be supplied by the NEI.	Yes
• **Field Duplicates** - Field duplicates will be collected to check reproducibility of the sampling methods. Field duplicates will be prepared as discussed in the FSP. In general, field duplicates will be analyzed at a five percent frequency (every 20 samples). Table 1 provides an estimated number of field duplicates for each applicable parameter and matrix.	No
• **Field Rinse Blanks** - Field rinse blanks are used to monitor the cleanliness of the sampling equipment and the effectiveness of the cleaning procedures. Laboratory-demonstrated, analyte-free water shall be passed through or over the sampling equipment being used on that particular day. The water shall be collected in the laboratory-cleaned containers at a frequency of one per sampling day and analyzed for the same parameters as the field samples. Table 1 provides an estimated number of rinse blanks collected during the field work.	No
• **Trip Blanks** - Trip blanks will be used to assess whether site samples have been exposed to non-site-related volatile constituents during storage and transport. Trip blanks will be analyzed at a frequency of once per day, and will be analyzed for volatile organic constituents. A trip blank will consist of a container filled with analyte-free water (supplied by the laboratory) which remains unopened with field samples throughout the sampling event. Trip blanks will only be analyzed for volatile organic constituents. Table 1 provides an estimated number of trip blanks collected for each matrix and parameter during the field activities.	No

CA RICH CONSULTANTS, INC.
Field Quality Control Checks

Date: 6/22/96 By: Steve Mosick

Check List	Were the following performed (Yes or No)
• **Field Measurements** - To verify the quality of data collected using field instrumentation, at least one duplicate measurement will be obtained per day and reported for all field analytical measurements.	Yes
• **Equipment Calibration** - Meters should be calibrated within 24-hours prior to use.	Yes
• **Equipment Decon** - Sampling equipment should be deconed as stated in the Sampling & Analysis Plan	Yes
• **Sample Containers** - Certified-clean sample containers in accordance with Exhibit I of the NYSDEC ASP (Dec. 1991) will be supplied by the NEI.	Yes
• **Field Duplicates** - Field duplicates will be collected to check reproducibility of the sampling methods. Field duplicates will be prepared as discussed in the FSP. In general, field duplicates will be analyzed at a five percent frequency (every 20 samples). Table 1 provides an estimated number of field duplicates for each applicable parameter and matrix.	Yes
• **Field Rinse Blanks** - Field rinse blanks are used to monitor the cleanliness of the sampling equipment and the effectiveness of the cleaning procedures. Laboratory-demonstrated, analyte-free water shall be passed through or over the sampling equipment being used on that particular day. The water shall be collected in the laboratory-cleaned containers at a frequency of one per sampling day and analyzed for the same parameters as the field samples. Table 1 provides an estimated number of rinse blanks collected during the field work.	Yes
• **Trip Blanks** - Trip blanks will be used to assess whether site samples have been exposed to non-site-related volatile constituents during storage and transport. Trip blanks will be analyzed at a frequency of once per day, and will be analyzed for volatile organic constituents. A trip blank will consist of a container filled with analyte-free water (supplied by the laboratory) which remains unopened with field samples throughout the sampling event. Trip blanks will only be analyzed for volatile organic constituents. Table 1 provides an estimated number of trip blanks collected for each matrix and parameter during the field activities.	Yes

CA RICH CONSULTANTS, INC.
Field Quality Control Checks

Date: 8/27/96 By: Flow Measurements

Check List	Were the following performed (Yes or No)
• **Field Measurements** - To verify the quality of data collected using field instrumentation, at least one duplicate measurement will be obtained per day and reported for all field analytical measurements.	Yes
• **Equipment Calibration** - Meters should be calibrated within 24-hours prior to use.	Yes
• **Equipment Decon** - Sampling equipment should be deconed as stated in the Sampling & Analysis Plan	Yes
• **Sample Containers** - Certified-clean sample containers in accordance with Exhibit I of the NYSDEC ASP (Dec. 1991) will be supplied by the NEI.	Yes
• **Field Duplicates** - Field duplicates will be collected to check reproducibility of the sampling methods. Field duplicates will be prepared as discussed in the FSP. In general, field duplicates will be analyzed at a five percent frequency (every 20 samples). Table 1 provides an estimated number of field duplicates for each applicable parameter and matrix.	Yes
• **Field Rinse Blanks** - Field rinse blanks are used to monitor the cleanliness of the sampling equipment and the effectiveness of the cleaning procedures. Laboratory-demonstrated, analyte-free water shall be passed through or over the sampling equipment being used on that particular day. The water shall be collected in the laboratory-cleaned containers at a frequency of one per sampling day and analyzed for the same parameters as the field samples. Table 1 provides an estimated number of rinse blanks collected during the field work.	Yes
• **Trip Blanks** - Trip blanks will be used to assess whether site samples have been exposed to non-site-related volatile constituents during storage and transport. Trip blanks will be analyzed at a frequency of once per day, and will be analyzed for volatile organic constituents. A trip blank will consist of a container filled with analyte-free water (supplied by the laboratory) which remains unopened with field samples throughout the sampling event. Trip blanks will only be analyzed for volatile organic constituents. Table 1 provides an estimated number of trip blanks collected for each matrix and parameter during the field activities.	Yes

ATTACHMENT B
Data Validation Report

Premier Environmental Services.

To: Eric A. Weinstock

From: Janet Josher

Date: November 26, 1996

Subject: Tishcon Data Validation - State Street Site

Attached is the final report for the data validation of the TISHCON site at State Street. Included in this report is a narrative discussing blank results, surrogate recoveries, matrix spike recoveries, field duplicates, instrument performance, holding times, and any qualifiers assigned to the results provided by NEI. The data validation was performed according to the requirements of the NYASP and the USEPA National Functional Guidelines for Organic Data Review.

If there are any questions regarding this report, please contact me at (908) 247-5727.

Sincerely,

Janet Josher

2815 COVERED BRIDGE ROAD, MERRICK, NEW YORK 11566
(516) 223-9761 • FAX (516) 223-0983 • NEW JERSEY (908) 750-8783

DATA VALIDATION FOR:	TISHCON
SITE:	STATE STREET
CASE NO.	TISH 1,3,4
CONTRACT LAB:	NEI
REVIEWER:	JANET JOSHER
DATE REVIEW COMPLETED:	SEPTEMBER 21,1996
MATRIX:	WATER/SOIL

The data validation was performed according to the guidelines in the USEPA Contract Laboratory Program National Functional Guidelines, February 1994 and the NY DEC Analytical Services Protocol, 12/91, ASP Method 91-1. All data are considered valid and acceptable except those analytes which have been qualified as detailed in this report.

Persons using this data should be aware that no result is guaranteed to be accurate even if it has passed all QC tests. The main purpose of this review is to appropriately qualify outliers and to determine whether the results were generated within the requirements for CLP analysis.

This data assessment is for 11 water samples and 19 soil samples as listed below.

CLIENT ID:

TISH 1:	TISH 3:	TISH 4:
TB8/21	GW-1	SS-1
NC-24	GW-2	B11012
UN11	GW-2DUP	B12022
N111842	FBW	B21012
FB8/22	TB	B22022
		B23032
		B24042
		B25052
		B31012
		B32022
		B33032
		B34042
		B35052
		B13032
		B41517
		B42022
		B42527
		B43537
		B3D
		FBS

DATA ASSESSMENT

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Volatile organics are required to be analyzed within 10 days of collection if properly preserved and stored at 4°C, or 7 days otherwise.

VOA:

TISH 1: The sample temperature was measured at 5°C by the laboratory upon receipt, however, samples were analyzed within 7 days, hence, no qualifications were required.

TISH 3: The samples were analyzed within holding times.

TISH 4: The samples were analyzed within holding times.

ORGANICS DATA ASSESSMENT

2. BLANK CONTAMINATION:

Quality assurance (QA) blanks, such as the method, trip, field, or rinse blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Positive results of less than five times the method detection limit that are found in the samples for compounds that are also found in the method, field, and trip blanks are negated with the qualification "U". The following analytes in the samples shown were qualified "U" for these reasons:

A) Method blank contamination

VOA:

TISH 1: Low levels of Methylene Chloride were detected in the method blank associated with samples N11842, NC-24, NC-24DL, and UN11, and were subsequently detected in the samples, therefore, Methylene Chloride was negated.

Low levels of Acetone were detected in the method blank and in samples NC-24 and UN11, therefore, Acetone was negated in these samples.

TISH 3: Low levels of Methylene Chloride were detected in the method blank associated with samples GW-1, GW-2, and GW-2DUP, therefore, all positive results for Methylene Chloride were negated.

TISH 4: Low levels of Methylene Chloride were detected in the method blanks associated with these samples and was also detected in all samples. Methylene Chloride was negated in all samples except the field blank.

B) Field or rinse blank contamination

TISH 1,3,4: Low levels of Methylene Chloride were detected in the field blank. Since all samples with Methylene Chloride contamination were previously qualified for method blank contamination, no further action was required.

C) Trip blank contamination

TISH 1,3,4: Methylene Chloride was detected in the trip blank associated with these samples. Since all samples were qualified for Methylene Chloride contamination in the method blanks, no further action was taken.

ORGANICS DATA ASSESSMENT

3. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds, and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is Bromofluorobenzene (BFB).

If the mass calibration is in error, or missing, all associated data will be classified as unusable, "R".

VOA: The tuning criteria were met for all samples.

ORGANICS DATA ASSESSMENT

4. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument is giving satisfactory daily performance.

A) RESPONSE FACTOR
The response factor measures the instruments's response to specific chemical compounds. The response factor for the VOA Target Compound List (TCL) must meet the criteria established. A value outide that criteria indicates a serious detection and quantitation problem (poor sensitivity).

VOA: The response factor criteria was met.

ORGANICS DATA ASSESSMENT

5.CALIBRATION :

A) PERCENT RELATIVE STANDARD DEVIATION (RSD) AND PERCENT DIFFERENCE (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD and %D must meet the limits outlined in NY DEC Method 91-1.

The following analytes in the samples shown were qualified for %RSD and %D.

INITIAL CALIBRATION (IC):

VOA:

TISH 1: %RSD exceeded QC limits for Methylene Chloride for the initial calibration, therefore positive results for Methylene Chloride in the field blank and trip blank were qualified "J".

TISH 3: %RSD exceeded QC limits for Methylene Chloride for the initial calibration, therefore positive results for Methylene Chloride in the field blank and trip blank were qualified "J".

TISH 4: %RSD exceeded QC limits for Methylene Chloride for the initial calibration, therefore positive results for Methylene Chloride in the field blank were qualified "J".

ORGANICS DATA ASSESSMENT

Calibration continued.....

CONTINUING CALIBRATION (CC):

VOA:

TISH 1: %D exceeded QC limits for 2-Hexanone. Associated results in sample NC-24DL were qualified "J".

TISH 3: %D exceeded QC limits for 2-Hexanone. Associated results in samples FB, TB, GW-1, GW-2, and GW-2DUP were qualified "J".

TISH 4: %D exceeded QC limits for Methylene Chloride, therefore, associated results in samples B13032, B21012, B22022, B23032, B33032, B24042, B25052, B25052RE, B31012, B32022, B34042, B35052,B3D, B41517, B42022, B42527, and B43537 were qualified "J".

%D exceeded QC limits for Acetone, therefore, associated results in samples B11012, B12022, B13032, B21012, B22022, B23032, B33032, B24042, B25052, B25052RE, B31012, B32022, B34042, B35052,B3D, B41517, B42022, B42527, and B43537 were qualified "J".

ORGANICS DATA ASSESSMENT

6. SURROGATES/SYSTEM MONITORING COMPOUNDS (SMC):

All samples are spiked with surrogate/SMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate/SMC concentrations were outside contract specifications, qualifications were applied to the samples and analytes as shown below. The following analytes for the samples shown were qualified because of surrogate/SMC recovery:

VOA:

TISH 1: %Recoveries for all surrogates met QC requirements.

TISH 3: %Recoveries for all surrogates met QC requirements.

TISH 4: %Recovery for Toluene-d8 was low for sample B25052, therefore, all results were qualified "J". The sample was reanalyzed and all surrogate recoveries were acceptable. Both sets of data are included.

ORGANICS DATA ASSESSMENT

7. INTERNAL STANDARDS PERFORMANCE:

Internal standard (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-50%to +100%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than $\pm$30 seconds from the associated continuing calibration standard.

The following analytes in the samples shown were qualified because of internal standard performance.

VOA:

TISH 1: Internal standard area counts met QC requirements.

TISH 3: Internal standard area counts met QC requirements.

TISH 4: Area counts for 1,4-Difluorobenzene were low for sample B25052RE. All associated results were qualified "J".

ORGANICS DATA ASSESSMENT

8.COMPOUND IDENTIFICATION:

A)VOLATILE AND SEMI-VOLATILE FRACTIONS

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and ion spectra. For the results to be a positive hit, the sample peak must be within ± 0.06 RRT units of the standard compound, and have an ion spectra which has a ratio of the primary and secondary ion intensities with that in the standard compound. For tentatively identified compounds (TIC), the ion spectra must match accurately. The following analytes in the samples shown here were qualified for compound identification:

VOA: TICs were qualified "JN" for presumptive evidence of their presence. TICs which were found in method blanks were compared to the TICs in associated samples and in cases where their concentrations were less than 5 times the concentration found in their associated method blanks, were rejected and qualified "R".

ORGANICS DATA ASSESSMENT

9. MATRIX SPIKE/SPIKE DUPLICATE ANALYSIS:

The MS/SD data are generated to determine the precision and accuracy of the analytical method. This data may be used in conjunction with other QC criteria for additional qualification of data. In addition, a blank spike is analyzed to determine any interferences inherent to the laboratory performing the analysis.

VOA:

TISH 1: %Recoveries for the blank spike met QC requirements. Results for the batch MS/MSD analyzed with these samples met QC requirements.

TISH 3: %Recoveries for the blank spike and GW-2DUP MS/MSD met QC requirements. No compounds were detected for field duplicate analyses of samples GW-2 and GW-2DUP.

TISH 4: %Recoveries for the blank spike and B22022MS/MSD met QC requirements. Acetone was detected in field duplicate samples B3D and B34042 at levels below the Contract Required Detection Limits.

ORGANICS DATA ASSESSMENT

10. OTHER QC DATA OUT OF SPECIFICATION:

N/A

11. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

VOA:

TISH 1: Low level Methylene Chloride contamination was noted in the trip, field, and method blanks and was negated from the associated samples. Several samples were qualified for initial and continuing calibration exceedence. No other qualifications were placed on these results.

TISH 3: Low level Methylene Chloride contamination was noted in the trip, field, and method blanks and was negated from the associated samples. Several samples were qualified for initial and continuing calibration exceedence. No other qualifications were placed on these results.

TISH 3: Low level Methylene Chloride contamination was noted in the field and method blanks and was negated from the associated samples. Several samples were qualified due to initial and continuing calibration exceedence. One sample was qualified for low surrogate recovery. Area counts for one internal standard were low in one sample. The associated compounds were qualified "J".

Overall the data is usable along with the above made data validation qualifications.

Attachment 6

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

September 9, 1996

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

Attn : Eric Weinstock
Ref : Tishcon State Street
P.O. #: Pending

Nytest Environmental, Inc., is pleased to submit our Project Number 9622208 for Login Number 28748, SDG Number TISH1, on your samples received 08/23/96.

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,

Renee Cohen for

Lori Beyer,
Laboratory Director
Nytest Environmental, Inc.

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

NYS Lab ID#10195
NJ Cert.#73469

Table of Contents

NYTEST ENVIRONMENTAL Inc.

SDG: TISH1

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
2874801	TB821	Water
2874802	NC-24	Water
2874803	UN11	Water
2874804	N11842	Water
2874805	FB822	Water

SDG Narrative

NARRATIVE DISCUSSION
VOLATILES - 28748

SDG NO. TISH1

INTRODUCTION

This narrative covers the analysis of five (5) aqueous samples in accordance with protocols based on NYSDEC ASP(12/91).

HOLDING TIMES

The analytical holding time for this analysis was met.

CALIBRATIONS

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

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

METHOD BLANKS

The method blanks associated with these samples met method requirements.

SURROGATES

All surrogate recoveries met QC criteria.

MATRIX SPIKE BLANKS

Batched QC is being supplied. The applicable Form 3 is included.

MATRIX SPIKES

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

INTERNAL STANDARDS

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

SAMPLE COMMENTS

Analysis of sample NC-24 yielded target analyte concentrations which exceeded the highest calibration standard. These compounds have been qualified "E". Reanalysis was performed at a dilution. Both sets of data are included. The concentrations of these compounds should be taken from the diluted analysis.

No other analytical problems were encountered.

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

Renee Cohen for

Lori Beyer
Laboratory Director

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

FB822

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28748 SAS No.: SDG No.: TISH1

Matrix: (soil/water) WATER Lab Sample ID: 2874805

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2102.D

Level: (low/med) LOW Date Received: 08/23/96

% Moisture: not dec. _____ Date Analyzed: 08/27/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	8	JB
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FB822

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28748 SAS No.: SDG No.: TISH1

Matrix: (soil/water) WATER Lab Sample ID: 2874805

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2102.D

Level: (low/med) LOW Date Received: 08/23/96

% Moisture: not dec. _____ Data Analyzed: 08/27/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

N11842

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28748 SAS No.: SDG No.: TISH1

Matrix: (soil/water) WATER Lab Sample ID: 2874804

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2105.D

Level: (low/med) LOW Date Received: 08/23/96

% Moisture: not dec. _____ Date Analyzed: 08/27/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	7	JB
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	61	
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	14	
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	2	J
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NC-24

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28748 SAS No.: SDG No.: TISH1

Matrix: (soil/water) WATER Lab Sample ID: 2874802

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2103.D

Level: (low/med) LOW Date Received: 08/23/96

% Moisture: not dec. _____ Data Analyzed: 08/27/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

NC-24DL

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28748 SAS No.: SDG No.: TISH1

Matrix: (soil/water) WATER Lab Sample ID: 2874802

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2156.D

Level: (low/med) LOW Date Received: 08/23/96

% Moisture: not dec. _____ Date Analyzed: 08/29/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 500.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5000	U
74-83-9	Bromomethane	5000	U
75-01-4	Vinyl Chloride	5000	U
75-00-3	Chloroethane	5000	U
75-09-2	Methylene Chloride	2500	JBD
67-64-1	Acetone	5000	U
75-15-0	Carbon Disulfide	5000	U
75-35-4	1,1-Dichloroethene	1500	JD
75-34-3	1,1-Dichloroethane	7500	D
540-59-0	1,2-Dichloroethene (total)	5000	U
67-66-3	Chloroform	5000	U
107-06-2	1,2-Dichloroethane	5000	U
78-93-3	2-Butanone	5000	U
71-55-6	1,1,1-Trichloroethane	74000	D
56-23-5	Carbon Tetrachloride	5000	U
75-27-4	Bromodichloromethane	5000	U
78-87-5	1,2-Dichloropropane	5000	U
10061-01-5	cis-1,3-Dichloropropene	5000	U
79-01-6	Trichloroethene	5000	U
124-48-1	Dibromochloromethane	5000	U
79-00-5	1,1,2-Trichloroethane	5000	U
71-43-2	Benzene	5000	U
10061-02-6	trans-1,3-Dichloropropene	5000	U
75-25-2	Bromoform	5000	U
108-10-1	4-Methyl-2-Pentanone	5000	U
591-78-6	2-Hexanone	5000	U
127-18-4	Tetrachloroethene	5000	U
79-34-5	1,1,2,2-Tetrachloroethane	5000	U
108-88-3	Toluene	5000	U
108-90-7	Chlorobenzene	5000	U
100-41-4	Ethylbenzene	540	JD
100-42-5	Styrene	5000	U
1330-20-7	Xylene (total)	1900	JD

1E

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NC-24DL

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28748 SAS No.: SDG No.: TISH1

Matrix: (soil/water) WATER Lab Sample ID: 2874802

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2156.D

Level: (low/med) LOW Date Received: 08/23/96

% Moisture: not dec. _____ Data Analyzed: 08/29/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 500.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

TB821

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28748 SAS No.: SDG No.: TISH1

Matrix: (soil/water) WATER Lab Sample ID: 2874801

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2101.D

Level: (low/med) LOW Date Received: 08/23/96

% Moisture: not dec. _____ Date Analyzed: 08/27/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

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

1E

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

TB821

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28748 SAS No.: SDG No.: TISH1

Matrix: (soil/water) WATER Lab Sample ID: 2874801

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2101.D

Level: (low/med) LOW Date Received: 08/23/96

% Moisture: not dec. _____ Data Analyzed: 08/27/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

UN11

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28748 SAS No.: SDG No.: TISH1

Matrix: (soil/water) WATER Lab Sample ID: 2874803

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2104.D

Level: (low/med) LOW Date Received: 08/23/96

% Moisture: not dec. _____ Date Analyzed: 08/27/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	7	JB
67-64-1	Acetone	17	B
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	60	
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	3	J
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	64	
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

000020

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

UN11

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28748 SAS No.: SDG No.: TISH1

Matrix: (soil/water) WATER Lab Sample ID: 2874803

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2104.D

Level: (low/med) LOW Date Received: 08/23/96

% Moisture: not dec. _____ Data Analyzed: 08/27/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Form II

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28748 SAS No.: SDG No.: TISH1

	NYSDEC SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKP31	101	99	91		0
02	TB821	101	102	94		0
03	FB822	100	102	95		0
04	NC-24	101	102	92		0
05	UN11	101	101	94		0
06	N11842	100	101	92		0
07	VBLKP34	96	103	93		0
08	NC-24DL	99	102	93		0
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

	QC LIMITS
SMC1 (TOL) = Toluene-d8	(88-110)
SMC2 (BFB) = Bromofluorobenzene	(86-115)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

000023

Form III

3 A

VOLATILE WATER MATRIX SPIKE BLANK

Lab Name: NYTEST ENV., INC Contract: 9622208

Lab Code: NYTEST Login No.: 28800

Matrix Spike Sample No.: MSB File No.: P2160

COMPOUND	SPIKE ADDED (ug/L)	BLANK CONCENTRATION (ug/L)	MSB CONCENTRATION (ug/L)	MSB % REC	#	QC LIMITS REC.
1,1-Dichloroethene	50	0.0	46.0	92	OK	61 - 145
Trichloroethene	50	0.0	47.0	94	OK	71 - 120
Benzene	50	0.0	46.0	92	OK	76 - 127
Toluene	50	0.0	46.0	92	OK	76 - 125
Chlorobenzene	50	0.0	47.0	94	OK	75 - 130

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

*Values outside of QC limits

Spike Recovery: 0 of 5 outside QC limits

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28800 SAS No.: SDG No.: TISH3

Matrix Spike - NYSDEC Sample No.: GW2DUP

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

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	50	100	4	14	61-145
Trichloroethene	50	51	102	2	14	71-120
Benzene	50	50	100	4	11	76-127
Toluene	50	49	98	2	13	76-125
Chlorobenzene	50	49	98	0	13	75-130

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

* Values outside of QC limits

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

COMMENTS: _____

Form IV

4A

NYSDEC SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLKP31

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28748 SAS No.: SDG No.: TISH1

Lab File ID: P2098.D Lab Sample ID: VBLKP31

Date Analyzed: 08/27/96 Time Analyzed: 1427

GC Column:CAP ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: HPP

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

	NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	TB821	2874801	P2101.D	1555
02	FB822	2874805	P2102.D	1624
03	NC-24	2874802	P2103.D	1653
04	UN11	2874803	P2104.D	1732
05	N11842	2874804	P2105.D	1802
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

000028

1A

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKP31

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28748 SAS No.: SDG No.: TISH1

Matrix: (soil/water) WATER Lab Sample ID: VBLKP31

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2098.D

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

% Moisture: not dec. _____ Date Analyzed: 08/27/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	7	J
67-64-1	Acetone	8	J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

000029

1E

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKP31

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28748 SAS No.: SDG No.: TISH1

Matrix: (soil/water) WATER Lab Sample ID: VBLKP31

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2098.D

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

% Moisture: not dec. _____ Data Analyzed: 08/27/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

4A

VOLATILE METHOD BLANK SUMMARY

NYSDEC SAMPLE NO.

VBLKP34

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28748 SAS No.: SDG No.: TISH1

Lab File ID: P2151.D Lab Sample ID: VBLKP34

Date Analyzed: 08/29/96 Time Analyzed: 1108

GC Column:CAP ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: HPP

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

	NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	NC-24DL	2874802	P2156.D	1431
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

VBLKP34

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28748 SAS No.: SDG No.: TISH1

Matrix: (soil/water) WATER Lab Sample ID: VBLKP34

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2151.D

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

% Moisture: not dec. _____ Date Analyzed: 08/29/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

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

1E

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKP34

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28748 SAS No.: SDG No.: TISH1

Matrix: (soil/water) WATER Lab Sample ID: VBLKP34

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2151.D

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

% Moisture: not dec. _____ Data Analyzed: 08/29/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Form VIII

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28748 SAS No.: SDG No.: TISH1

Lab File ID (Standard): P2097.D Date Analyzed: 08/27/96

Instrument ID: HPP Time Analyzed: 1352

GC Column:CAP ID: 0.53 (mm) Heated Purge: (Y/N) N

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR STD	230490	7.58	1064997	9.01	814213	14.87
	UPPER LIMIT	460980	8.08	2129994	9.51	1628426	15.37
	LOWER LIMIT	115245	7.08	532498	8.51	407106	14.37
	NYSDEC SAMPLE NO.						
01	VBLKP31	221438	7.58	1109685	9.02	857119	14.86
02	TB821	239064	7.58	1125181	9.01	869187	14.86
03	FB822	243044	7.57	1140531	9.01	882474	14.87
04	NC-24	237193	7.59	1054616	9.03	816201	14.88
05	UN11	226031	7.56	1065404	9.01	818059	14.87
06	N11842	231188	7.57	1081840	9.01	834480	14.86
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

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

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28748 SAS No.: SDG No.: TISH1

Lab File ID (Standard): P2150.D Date Analyzed: 08/29/96

Instrument ID: HPP Time Analyzed: 1027

GC Column:CAP ID: 0.53 (mm) Heated Purge: (Y/N) N

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	189457	7.59	862521	9.02	628597	14.87
	UPPER LIMIT	378914	8.09	1725042	9.52	1257194	15.37
	LOWER LIMIT	94728	7.09	431260	8.52	314298	14.37
	NYSDEC SAMPLE NO.						
01	VBLKP34	198879	7.58	917667	9.01	722180	14.86
02	NC-24DL	200324	7.57	908503	9.01	670067	14.86
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

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

000036

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

September 9, 1996

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

Attn : Eric Weinstock
Ref : Tishcon State Street
P.O. #: Pending

Nytest Environmental, Inc., is pleased to submit our Project Number 9622208 for Login Number 28800, SDG Number TISH3, on your samples received 08/27/96.

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,

Renee Cohen for

Lori Beyer,
Laboratory Director
Nytest Environmental, Inc.

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

NYS Lab ID#10195
NJ Cert.#73469

Table of Contents

NYTEST ENVIRONMENTAL Inc.

SDG: TISH3

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
2880001	GW1	Water
2880002	GW2	Water
2880003	GW2DUP	Water
2880004	FBW	Water
2880005	TB	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
GW1	2880001	✓					
GW2	02	✓					
GW2DUP	03	✓					
FBW	04	✓					
TB	05	✓					

000003 Page 1 of

nytest environmental inc

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
2880001	WATER	08-26-96	08-27-96	NA	08-29-96
2880002	↓	↓	↓	↓	↓
2880003	↓	↓	↓	↓	↓
2880004	↓	↓	↓	↓	↓
2880005	↓	↓	↓	↓	↓

SDG Narrative

NARRATIVE DISCUSSION
VOLATILES - 28800

SDG NO. TI8H3

INTRODUCTION

This narrative covers the analysis of five (5) aqueous samples in accordance with protocols based on NYSDEC ASP (12/91).

HOLDING TIMES

The analytical holding time for this analysis was met.

CALIBRATIONS

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

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

METHOD BLANKS

The method blank associated with these samples met method requirements.

SURROGATES

All surrogate recoveries met QC criteria.

MATRIX SPIKE BLANKS

The recoveries for the matrix spike blank were within QC limits.

MATRIX SPIKES

Sample GW2DUP was utilized in the MS/MSD series. All spike recoveries and RPD values fell within the advisory QC limits.

INTERNAL STANDARDS

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

SAMPLE COMMENTS

No analytical problems were encountered.

Form I

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

FB

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28800 SAS No.: SDG No.: TISH3

Matrix: (soil/water) WATER Lab Sample ID: 2880004

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2162.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. _____ Date Analyzed: 08/29/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	8	JB
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

000009

1E

NYSDEC SAMPLE NO.

FB

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28800 SAS No.: SDG No.: TISH3

Matrix: (soil/water) WATER Lab Sample ID: 2880004

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2162.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. _____ Data Analyzed: 08/29/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

GW1

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28800 SAS No.: SDG No.: TISH3

Matrix: (soil/water) WATER Lab Sample ID: 2880001

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2163.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. _____ Date Analyzed: 08/29/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	3	J
75-00-3	Chloroethane	12	
75-09-2	Methylene Chloride	8	JB
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	200	
540-59-0	1,2-Dichloroethene (total)	92	
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	61	
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	36	
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	66	
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

000011

1E

NYSDEC SAMPLE NO.

GW1

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28800 SAS No.: SDG No.: TISH3

Matrix: (soil/water) WATER Lab Sample ID: 2880001

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2163.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. _____ Data Analyzed: 08/29/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

GW2

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28800 SAS No.: SDG No.: TISH3

Matrix: (soil/water) WATER Lab Sample ID: 2880002

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2164.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. _____ Date Analyzed: 08/29/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

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

1E

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

GW2

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28800 SAS No.: SDG No.: TISH3

Matrix: (soil/water) WATER Lab Sample ID: 2880002

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2164.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. _____ Data Analyzed: 08/29/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

000014

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

GW2DUP

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28800 SAS No.: SDG No.: TISH3

Matrix: (soil/water) WATER Lab Sample ID: 2880003

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2165.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. _____ Date Analyzed: 08/29/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

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

000015

1E

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

GW2DUP

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28800 SAS No.: SDG No.: TISH3

Matrix: (soil/water) WATER Lab Sample ID: 2880003

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2165.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. _____ Data Analyzed: 08/29/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

TB

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28800 SAS No.: SDG No.: TISH3

Matrix: (soil/water) WATER Lab Sample ID: 2880005

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2161.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. _____ Date Analyzed: 08/29/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

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

1E

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

TB

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28800 SAS No.: SDG No.: TISH3

Matrix: (soil/water) WATER Lab Sample ID: 2880005

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2161.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. _____ Data Analyzed: 08/29/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Form II

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28800 SAS No.: SDG No.: TISH3

	NYSDEC SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKP34	96	103	93		0
02	MSB	98	102	90		0
03	TB	97	101	91		0
04	FB	98	103	91		0
05	GW1	98	103	93		0
06	GW2	98	103	92		0
07	GW2DUP	98	103	92		0
08	GW2DUPMS	98	102	92		0
09	GW2DUPMSD	98	101	93		0
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

	QC LIMITS
SMC1 (TOL) = Toluene-d8	(88-110)
SMC2 (BFB) = Bromofluorobenzene	(86-115)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Form III

3 A

VOLATILE WATER MATRIX SPIKE BLANK

Lab Name: NYTEST ENV., INC Contract: 9622208

Lab Code: NYTEST Login No.: 28800

Matrix Spike Sample No.: MSB File No.: P2160

COMPOUND	SPIKE ADDED (ug/L)	BLANK CONCENTRATION (ug/L)	MSB CONCENTRATION (ug/L)	MSB % REC	#	QC LIMITS REC.
1,1-Dichloroethene	50	0.0	46.0	92	OK	61 - 145
Trichloroethene	50	0.0	47.0	94	OK	71 - 120
Benzene	50	0.0	46.0	92	OK	76 - 127
Toluene	50	0.0	46.0	92	OK	76 - 125
Chlorobenzene	50	0.0	47.0	94	OK	75 - 130

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

*Values outside of QC limits

Spike Recovery: 0 of 5 outside QC limits

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28800 SAS No.: SDG No.: TISH3

Matrix Spike - NYSDEC Sample No.: GW2DUP

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

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	50	100	4	14	61-145
Trichloroethene	50	51	102	2	14	71-120
Benzene	50	50	100	4	11	76-127
Toluene	50	49	98	2	13	76-125
Chlorobenzene	50	49	98	0	13	75-130

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

* Values outside of QC limits

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

COMMENTS: _____

Form IV

4A

NYSDEC SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLKP34

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28800 SAS No.: SDG No.: TISH3

Lab File ID: P2151.D Lab Sample ID: VBLKP34

Date Analyzed: 08/29/96 Time Analyzed: 1108

GC Column:CAP ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: HPP

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

	NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	MSB	MSB	P2160.D	1644
02	TB	2880005	P2161.D	1713
03	FB	2880004	P2162.D	1743
04	GW1	2880001	P2163.D	1812
05	GW2	2880002	P2164.D	1841
06	GW2DUP	2880003	P2165.D	1910
07	GW2DUPMS	2880003	P2166.D	1939
08	GW2DUPMSD	2880003	P2167.D	2008
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

VBLKP34

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28800 SAS No.: SDG No.: TISH3

Matrix: (soil/water) WATER Lab Sample ID: VBLKP34

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2151.D

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

% Moisture: not dec. _____ Date Analyzed: 08/29/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

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

1E

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKP34

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28800 SAS No.: SDG No.: TISH3

Matrix: (soil/water) WATER Lab Sample ID: VBLKP34

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2151.D

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

% Moisture: not dec. _____ Data Analyzed: 08/29/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Form VIII

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28800 SAS No.: SDG No.: TISH3

Lab File ID (Standard): P2150.D Date Analyzed: 08/29/96

Instrument ID: HPP Time Analyzed: 1027

GC Column:CAP ID: 0.53 (mm) Heated Purge: (Y/N) N

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR STD	189457	7.59	862521	9.02	628597	14.87
	UPPER LIMIT	378914	8.09	1725042	9.52	1257194	15.37
	LOWER LIMIT	94728	7.09	431260	8.52	314298	14.37
	NYSDEC SAMPLE NO.						
01	VBLKP34	198879	7.58	917667	9.01	722180	14.86
02	MSB	188124	7.57	864304	9.02	647099	14.87
03	TB	190310	7.59	863984	9.02	658104	14.87
04	FB	197305	7.58	920775	9.02	705803	14.87
05	GW1	197237	7.57	930954	9.02	712019	14.87
06	GW2	194209	7.58	904086	9.02	687364	14.88
07	GW2DUP	202938	7.58	958346	9.02	737870	14.87
08	GW2DUPMS	187118	7.58	862422	9.02	659055	14.87
09	GW2DUPMSD	184148	7.58	845828	9.02	643528	14.87
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

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

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

September 5, 1996

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

Attn : Eric Weinstock
Ref : Tishcon State Street
P.O. #: Pending

Nytest Environmental, Inc., is pleased to submit our Project Number 9622208 for Login Number 28758, 28801, SDG Number TISH4, on your samples received 08/23/96, 08/27/96.

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,

Lori Beyer,
Laboratory Director
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: TISH4

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
2875801	SS-1	Soil
2875802	B11012	Soil
2875803	B12022	Soil

NYTEST ENVIRONMENTAL Inc.

SDG: TISH4

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
2880101	B21012	Soil
2880102	B22022	Soil
2880103	B23032	Soil
2880104	B24042	Soil
2880105	B25052	Soil
2880106	B22022MS	Soil
2880107	B22022MSD	Soil
2880108	B31012	Soil
2880109	B32022	Soil
2880110	B33032	Soil
2880111	B34042	Soil
2880112	B35052	Soil
2880113	B13032	Soil
2880114	B41517	Soil
2880115	B42022	Soil
2880116	B42527	Soil
2880117	B43537	Soil
2880118	B3D	Soil
2880119	FBS	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
SS-1	2875801	✓					
B11012	02	✓					
B12022	03	✓					
B21012	2880101	✓					
B22022	02	✓					
B23032	03	✓					
B24042	04	✓					
B25052	05	✓					
B22022MS	06	✓					
B22022MSD	07	✓					
B31012	08	✓					
B32022	09	✓					
B33032	10	✓					
B34042	11	✓					
B35052	12	✓					
B13032	13	✓					
B41517	14	✓					
B42022	15	✓					
B42527	16	✓					
B43537	17	✓					
B3D	18	✓					
ABS	19	✓					

nytest environmental inc

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
2875801	Soil	08-23-96	08-23-96	NA	08-29-96
2875802		↓	↓		↓
2875803		↓	↓		↓
2880101		08-26-96	08-27-96		09-03-96
2880102					
2880103					
2880104					
2880105					
2880106					
2880107					
2880108					
2880109					
2880110					
2880111					
2880112					
2880113					
2880114					
2880115					
2880116					
2880117	↓		↓	↓	↓

nytest environmental inc

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
2880118	Soil	08-26-96	08-27-96	NA	09-03-96
2880119	WATER	08-26-96	08-27-96	↓	09-03-96

SDG Narrative

NARRATIVE DISCUSSION
VOLATILES - 28758, 28801

SDG NO. TISH4

INTRODUCTION

This narrative covers the analysis of one (1) aqueous sample and nineteen (19) soil samples in accordance with protocols based on NYSDEC ASP (12/91).

HOLDING TIMES

The analytical holding time for this analysis was met.

CALIBRATIONS

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

METHOD BLANKS

The method blanks associated with these samples met method requirements.

SURROGATES (SYSTEM MONITORING COMPOUNDS)

Samples met surrogate QC criteria, with the exception of B25052. Reanalysis was performed yielding all surrogate recoveries within QC limits. Both sets of data are included.

MATRIX SPIKE BLANKS

The recoveries for the matrix spike blank were within QC limits.

MATRIX SPIKES

Sample B22022 was utilized in the MS/MSD series. All spike recoveries and RPD values fell within the advisory QC limits.

INTERNAL STANDARDS

Area responses and retention times fell within an acceptable range, with the exception of the reanalysis of sample B25052. No furhter action required.

SAMPLE COMMENTS

The TICs identified as "Unknown Siloxane" are most probably due to column degradation and not sample constituency.
No other analytical problems were encountered.

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

Lori Beyer,
Laboratory Director

Form I

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

B11012

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2875802

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N9869.D

Level: (low/med) LOW Date Received: 08/23/96

% Moisture: not dec. 4 Date Analyzed: 08/29/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

B11012

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2875802

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N9869.D

Level: (low/med) LOW Date Received: 08/23/96

% Moisture: not dec. 4 Data Analyzed: 08/29/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 3

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	14.479	7	J
2.		UNKNOWN	21.201	33	J
3.		UNKNOWN	23.594	8	J
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

B12022

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2875803

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N9870.D

Level: (low/med) LOW Date Received: 08/23/96

% Moisture: not dec. 3 Date Analyzed: 08/29/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

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

1E

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B12022

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2875803

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N9870.D

Level: (low/med) LOW Date Received: 08/23/96

% Moisture: not dec. 3 Data Analyzed: 08/29/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	21.192	19	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

B13032

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880113

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1784.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. 3 Date Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

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

1E

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B13032

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880113

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1784.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. 3 Data Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 3

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN SILOXANE	12.444	27	J
2.		UNKNOWN SILOXANE	17.299	430	J
3.		UNKNOWN SILOXANE	21.409	66	J
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

B22012

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880101

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1775.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. 4 Date Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

B22012

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880101

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1775.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. 4 Data Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

B22022

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880102

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1772.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. 5 Date Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

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

1E

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B22022

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880102

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1772.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. 5 Data Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

B23032

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880103

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1776.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. 3 Date Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

B23032

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880103

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1776.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. 3 Data Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B24042

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880104

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1777.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. 14 Date Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

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

1E

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B24042

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880104

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1777.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. 14 Data Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

B25052

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880105

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1778.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. 8 Date Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

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

1E

NYSDEC SAMPLE NO.

B25052

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880105

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1778.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. 8 Data Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	20.796	17	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

B25052RE

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880105

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1780.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. 8 Date Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

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

1E

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B25052RE

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880105

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1780.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. 8 Data Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

B31012

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880108

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1779.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. 2 Date Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

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

1E

NYSDEC SAMPLE NO.

B31012

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880108

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1779.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. 2 Data Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

B32022

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880109

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1790.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. 4 Date Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	8	JB
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B32022

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880109

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1790.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. 4 Data Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

B32032

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880110

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1781.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. 2 Date Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

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

1E

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B32032

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880110

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1781.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. 2 Data Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

B34042

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880111

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1782.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. 7 Date Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

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

1E

NYSDEC SAMPLE NO.

B34042

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880111

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1782.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. 7 Data Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

B35052

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880112

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1783.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. 11 Date Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

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

1E

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B35052

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880112

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1783.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. 11 Data Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN SILOXANE	17.307	7	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B3D

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880118

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1789.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. 18 Date Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	21	B
67-64-1	Acetone	7	J
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (total)	12	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

B3D

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880118

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1789.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. 18 Data Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

B41517

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880114

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1785.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. 3 Date Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

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

1E

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B41517

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880114

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1785.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. 3 Data Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

B42022

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880115

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1786.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. 6 Date Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

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

1E

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B42022

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880115

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1786.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. 6 Data Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

B42527

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880116

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1787.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec 4 Date Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

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

1E

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B42527

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880116

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1787.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. 4 Data Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

B43537

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880117

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1788.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. 13 Date Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

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

1E

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B43537

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2880117

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1788.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. 13 Data Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

FBS

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) WATER Lab Sample ID: 2880119

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2189.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. _____ Date Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

FBS

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) WATER Lab Sample ID: 2880119

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2189.D

Level: (low/med) LOW Date Received: 08/27/96

% Moisture: not dec. _____ Data Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS-1

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2875801

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N9868.D

Level: (low/med) LOW Date Received: 08/23/96

% Moisture: not dec 9 Date Analyzed: 08/29/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	14	B
67-64-1	Acetone	10	J
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	5	J
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1E

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SS-1

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: 2875801

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N9868.D

Level: (low/med) LOW Date Received: 08/23/96

% Moisture: not dec. 9 Data Analyzed: 08/29/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Form II

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

	NYSDEC SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKP38	101	98	90		0
02	FBS	103	103	102		0
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

	QC LIMITS
SMC1 (TOL) = Toluene-d8	(88-110)
SMC2 (BFB) = Bromofluorobenzene	(86-115)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Level: (low/med) LOW

	NYSDEC SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKN12	99	103	95		0
02	SS-1	103	102	98		0
03	B11012	101	103	96		0
04	B12022	100	102	94		0
05	VBLKM70	99	100	94		0
06	MSB	100	100	96		0
07	B22022	99	101	97		0
08	B22022MS	100	100	97		0
09	B22022MSD	101	103	93		0
10	B22012	100	101	97		0
11	B23032	99	101	99		0
12	B24042	101	102	98		0
13	B25052	59*	100	92		1
14	B31012	100	101	99		0
15	B25052RE	97	104	92		0
16	B32032	99	103	102		0
17	B34042	100	101	102		0
18	B35052	99	101	100		0
19	B13032	98	103	98		0
20	B41517	92	103	102		0
21	B42022	100	101	99		0
22	B42527	99	102	100		0
23	B43537	85	106	102		0
24	B3D	99	102	100		0
25	B32022	99	102	99		0
26						
27						
28						
29						
30						

	QC LIMITS
SMC1 (TOL) = Toluene-d8	(84-138)
SMC2 (BFB) = Bromofluorobenzene	(59-113)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Form III

3 A

VOLATILE SOIL MATRIX SPIKE BLANK

Lab Name: NYTEST ENV., INC Contract: 9622208

Lab Code: NYTEST SDG No.: TISH4

Matrix Spike Sample No.: M1771 Level: Low

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

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

*Values outside of QC limits

Spike Recovery: 0 of 5 outside QC limits

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix Spike - NYSDEC Sample No.: B22022 Level(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	53	0	54	102	59-172
Trichloroethene	53	0	52	98	62-137
Benzene	53	0	55	104	66-142
Toluene	53	0	54	102	59-139
Chlorobenzene	53	0	54	102	60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	53	53	100	2	22	59-172
Trichloroethene	53	49	92	6	24	62-137
Benzene	53	46	87	18	21	66-142
Toluene	53	49	92	10	21	59-139
Chlorobenzene	53	48	90	12	21	60-133

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

* Values outside of QC limits

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

COMMENTS: _____

Form IV

VOLATILE METHOD BLANK SUMMARY

NYSDEC SAMPLE NO.

VBLKM70

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Lab File ID: M1770.D Lab Sample ID: VBLKM70

Date Analyzed: 09/03/96 Time Analyzed: 1017

GC Column:CAP ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: HPM

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

	NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	MSB	MSB	M1771.D	1050
02	B22022	2880102	M1772.D	1120
03	B22022MS	2880106	M1773.D	1149
04	B22022MSD	2880107	M1774.D	1219
05	B22012	2880101	M1775.D	1248
06	B23032	2880103	M1776.D	1317
07	B24042	2880104	M1777.D	1345
08	B25052	2880105	M1778.D	1415
09	B31012	2880108	M1779.D	1450
10	B25052RE	2880105	M1780.D	1520
11	B32032	2880110	M1781.D	1548
12	B34042	2880111	M1782.D	1619
13	B35052	2880112	M1783.D	1649
14	B13032	2880113	M1784.D	1719
15	B41517	2880114	M1785.D	1749
16	B42022	2880115	M1786.D	1819
17	B42527	2880116	M1787.D	1849
18	B43537	2880117	M1788.D	1919
19	B3D	2880118	M1789.D	1949
20	B32022	2880109	M1790.D	2018
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

VBLKM70

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: VBLKM70

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1770.D

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

% Moisture: not dec. 0 Date Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

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

1E

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKM70

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: VBLKM70

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1770.D

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

% Moisture: not dec. 0 Data Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

4A

NYSDEC SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLKN12

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Lab File ID: N9853.D Lab Sample ID: VBLKN12

Date Analyzed: 08/29/96 Time Analyzed: 0948

GC Column:CAP ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: HPN

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

	NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	SS-1	2875801	N9868.D	1756
02	B11012	2875802	N9869.D	1827
03	B12022	2875803	N9870.D	1858
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

VBLKN12

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: VBLKN12

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N9853.D

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

% Moisture: not dec. 0 Date Analyzed: 08/29/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

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

1E

NYSDEC SAMPLE NO.

VBLKN12

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) SOIL Lab Sample ID: VBLKN12

Sample wt/vol: 5.0 (g/mL) G Lab File ID: N9853.D

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

% Moisture: not dec. 0 Data Analyzed: 08/29/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

4A

NYSDEC SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLKP38

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Lab File ID: P2187.D Lab Sample ID: VBLKP38

Date Analyzed: 09/03/96 Time Analyzed: 0943

GC Column:CAP ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: HPP

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

	NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	FBS	2880119	P2189.D	1042
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

VBLKP38

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) WATER Lab Sample ID: VBLKP38

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2187.D

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

% Moisture: not dec. _____ Date Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

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

1E

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKP38

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Matrix: (soil/water) WATER Lab Sample ID: VBLKP38

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2187.D

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

% Moisture: not dec. _____ Data Analyzed: 09/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Form VIII

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Lab File ID (Standard): M1769.D Date Analyzed: 09/03/96

Instrument ID: HPM Time Analyzed: 0934

GC Column:CAP ID: 0.53 (mm) Heated Purge: (Y/N) Y

		IS1(BCM) AREA #	IS1(BCM) RT #	IS2(DFB) AREA #	IS2(DFB) RT #	IS3(CBZ) AREA #	IS3(CBZ) RT #
	12 HOUR STD	149590	8.75	721108	10.14	591548	16.14
	UPPER LIMIT	299180	9.25	1442216	10.64	1183096	16.64
	LOWER LIMIT	74795	8.25	360554	9.64	295774	15.64
	NYSDEC SAMPLE NO.						
01	VBLKM70	157808	8.77	802418	10.17	676416	16.15
02	MSB	154563	8.74	718074	10.15	582524	16.14
03	B22022	118750	8.75	575859	10.15	484897	16.14
04	B22022MS	114354	8.76	553418	10.15	451467	16.14
05	B22022MSD	124598	8.74	588571	10.13	527667	16.13
06	B22012	143129	8.76	692252	10.15	571874	16.13
07	B23032	142816	8.75	707689	10.15	590635	16.14
08	B24042	146041	8.75	728603	10.15	595099	16.14
09	B25052	129480	8.85	472906	10.22	556008	16.05
10	B31012	162681	8.74	793797	10.14	655982	16.13
11	B25052RE	129717	8.85	258088*	10.11	575917	16.11
12	B32032	151566	8.75	725806	10.15	620470	16.13
13	B34042	130252	8.75	644456	10.15	533437	16.13
14	B35052	138586	8.75	648861	10.15	541549	16.14
15	B13032	143796	8.75	695744	10.15	569731	16.14
16	B41517	134097	8.76	616139	10.15	528928	16.14
17	B42022	163381	8.76	788705	10.16	656437	16.14
18	B42527	136927	8.76	659407	10.15	556134	16.14
19	B43537	95011	8.76	418313	10.15	363436	16.14
20	B3D	118805	8.76	574650	10.16	486140	16.14
21	B32022	152888	8.76	730032	10.15	606359	16.15
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

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

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Lab File ID (Standard): P2186.D Date Analyzed: 09/03/96

Instrument ID: HPP Time Analyzed: 0901

GC Column:CAP ID: 0.53 (mm) Heated Purge: (Y/N) N

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR STD	217304	7.59	1017890	9.03	782283	14.87
	UPPER LIMIT	434608	8.09	2035780	9.53	1564566	15.37
	LOWER LIMIT	108652	7.09	508945	8.53	391142	14.37
	NYSDEC SAMPLE NO.						
01	VBLKP38	203692	7.57	1060706	9.00	808995	14.85
02	FBS	204007	7.57	978607	9.01	751109	14.86
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

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

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: NYTEST ENV INC Contract: 9622208

Lab Code: NYTEST Case No.: 28758 SAS No.: SDG No.: TISH4

Lab File ID (Standard): N9852.D Date Analyzed: 08/29/96

Instrument ID: HPN Time Analyzed: 0912

GC Column:CAP ID: 0.53 (mm) Heated Purge: (Y/N) Y

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR STD	248721	9.03	1403912	10.43	1112103	16.46
	UPPER LIMIT	497442	9.53	2807824	10.93	2224206	16.96
	LOWER LIMIT	124360	8.53	701956	9.93	556052	15.96
	NYSDEC SAMPLE NO.						
01	VBLKN12	230828	9.03	1278419	10.44	1012677	16.47
02	SS-1	165918	9.02	932578	10.45	702058	16.48
03	B11012	142877	9.04	790142	10.44	626651	16.48
04	B12022	237336	9.04	1375619	10.45	1109587	16.49
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

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