PHASE II LIMITED SUBSURFACE INVESTIGATIVE REPORT

COMMERCIAL BUILDING
966 PORT WASHINGTON BLVD., PORT WASHINGTON, NASSAU COUNTY, NEW YORK

SITE NO. V-00349-1

CONSENT ORDER INDEX # W1-0869-01-03

BOOK 1

PREPARED FOR:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION, REGION ONE
Building 40 - SUNY, Stony Brook, New York 11790-2356

Tel. 631-444-0240
Fax. 631-444-0248

PREPARED BY:

ZYTEL, P.C.
265 Indian Head Road
Kings Park, New York 11754

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Fax. 631-544-0113

MAY, 2004

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INTRODUCTION

Background:

The subject parcel is approximately 10,000 square feet in size. The building is located toward the southwestern portion of the lot with an extensive asphalt parking area in the front and north side of the parcel. There is a narrow (i.e., approximately 5 feet wide) strip of land along the western boundary of the site adjacent to the building and adjacent parcel of land, separated by a cement retaining wall and a chain-link fence. The adjacent parcel of the land, a residential dwelling, is also owned by the owner of the subject parcel.

On April 15, 1998 a Phase I Environmental Audit was completed for the subject property located at 966 Port Washington Blvd., Port Washington, New York (Location Map). The purpose of the Phase I Environmental Audit was to assist in assessing the potential environmental contamination liabilities associated with the subject property. The information provided was to be used as a basis for evaluating the property in order to protect both the lender and the loan applicant from costly clean-up and litigious actions which could arise as a result of the discovery of contamination subsequent to property transaction.

Research associated with the Phase I Environmental Audit encountered the following information. The site is underlain by "Urban Fill/Upper Glacial Aquifer" soil. The groundwater surface

REGIONAL LOCATION MAP

elevation is approximately 100 feet above MSL (NCDPW, 1997). Since the site is approximately 128 feet above MSL, groundwater is estimated at approximately 28 feet below ground level at the site. This was confirmed by the numerous borings completed on the site associated with this investigative report.

There are two (2) public water supply wells in the region of the site; 2,500 feet ESE [Intersection of Bar Beach Road/Woodlawn Road] and 3,500 feet NW [38 Sandy Hollow Road], respectively, from the site.

The subject parcel has been in the past and continues to be utilized as a dry cleaning/laundry operation.

Name of Facility: **New Plaza Cleaning Corp./Dae Young Inc.**

Historical Background of the Subject Parcel ownership/leasing:

Raymond Zavidow/George Melter (12/19/63) subleased to Z & Z Port Washington Co. prior to 3/31/64)
Z & Z Port Washington Co. subleased to Irwin Cooperman (3/31/64)
Irwin Cooperman leased to Plaza Cleaners, Inc. (Eli Frieder, Pres.) (4/10/64)
Plaza Cleaners, Inc. leased to Rosario Merenda (Pres.) (10/9/77)
Plaza Cleaners Inc. leased to New Plaza Cleaning Corp. (Jong Kul Choe, Pres.) (12/19/85)
Shields terminated over lease with Raymond Zavidow, George Melter (7/16/93) (i.e, 12/19/63)

Present Name of Property Owner:

Long Island Sound, LLC.
268 Main St.,
Port Washington, N.Y.

The most recent environmental permits registered for the operation include the following:

Facility ID NYD060341617 Small Quantity Generator
Facility ID NYD981186638 Large Quantity Generator

At the time of the Phase I investigation, a dry cleaning business was operating at the facility. Known fluids used on the site include:

F002 Spent Halogenated Solvents (i.e., used 855 pounds in 1996)
Chemicals noted in drums on the site (1998) included "PERC" (Staticol, Soap, and Starch)
Hydraulic Fluid used in compressors

The Phase I Environmental Audit indicated that a hydraulic fluid staining was evident in the boiler/compressor room. This stain was minimal and was cleaned up by the tenant utilizing an absorbent material.

Considering that an Underground Storage Tank (UST) was located on the western border of the parcel, it was recommended that a Limited Phase II Environmental Audit be completed that would

evaluate the chemical nature of the soil along the western edge of the parcel as well as test for the tightness stability of the UST.

The conclusions of the Limited Phase II Environmental Audit (April 25, 1998) indicated that soil along the western border of the parcel did not indicate the presence of hydrocarbon and the UST tested stable and no leaks were detected.

Considering the long-term utilization of the parcel for dry cleaning operations, a Supplementary Phase II Environmental Audit was completed on May 12, 1998. This investigation involved sampling of soil under the building's existing cement flooring (including soil sampling within a drainage hole located in the boiler/compressor room) for suspected chemical contamination. Consequently, a limited soil sampling investigation was completed associated with this phase of investigation.

The conclusions of the Supplementary Phase II Environmental Audit indicated the presence of toluene and tetrachloroethene (PERC) in a drainage hole within the concrete flooring and in test holes located in the southwestern portion of the building. Consequently, it was recommended that soil remediation (i.e., excavation and removal of contaminated soil) be completed in order to clean up the building's contamination found in this portion of the parcel.

The source for soil contamination on the site included washout drainage drywell and other drainage structures associated with previous dry cleaning operations. It is not known how much contaminated fluid entered the soil on the site over the years of operation.

Remediation of Contaminated Soil - 1998. Following soil sampling under the building's concrete pad, including from the bottom of a shallow Class V (Type 5W20) Injection Dry Well, it was determined that soil contamination was present on the site. A Closure Plan was accepted by the EPA and soil remediation excavation was initiated in June, 1998 under the supervision of the Nassau County Health Department in cooperation with the EPA. Soil was removed from the southwestern side of the building (i.e., an excavation hole with approximate dimensions of 20 feet by 12 feet by 20 feet deep). 103.6 tons of contaminated soil was removed from the contamination locality and manifested from the site. Following the removal of the contaminated soil, clean sand was brought to the site and used to re-fill the excavation pit. The portion of the building structure involved with the excavation was rebuilt and the cement slab replaced over the sand.

Following review of the documentation associated with the excavation/remediation of contaminated soil from this portion of the parcel, and in cooperation with the Nassau County Department of Health, the EPA provided a File Closure - Class V Well letter,

dated December 31, 1998. In this letter the EPA indicated that "... all of the necessary documents illustrating satisfactory closure of the Underground Injection Control Program (UIC) Class V Well at the above referenced facility have been received. The UIC Program will now close its file on the above subject matter."

Remediation of Contaminated Soil - 1999-2000. Subsequent to the 1998 soil remediation efforts at the site, additional soil testing was completed that indicated contamination further north than the previous excavation along the western and northern portion of the building. The owner of the parcel agreed to voluntarily remediate the contaminated soil from the site.

In November, 1999 soil underlying this, more northwesternly portion of the building was voluntarily excavated by the owner of the property; Long Island Sound, LLC. Soil was removed from an excavation hole with approximate dimensions of 50 feet by 16 feet by 20 feet deep. 837.83 tons of contaminated soil was removed from the contamination locality and properly manifested off the site. Following the removal of the contaminated soil, clean sand was brought to the site and used to re-fill the excavation pit. This material was continuously compacted by compact lifts. The building was structurally stabilized, but not rebuilt at the conclusion of this phase of remediation.

To summarize, subsurface testing identified subsurface contamination associated with a previously unknown Class V Injection Wells which were used as a floor drywell drain and as a washout drain associated with the old non-self contained machinery at that location in the building. The Class V Injection Wells included a drywell that was located in the southwest corner of the building and a floor washout drain that ran north-south along the western interior wall of the building and was used as a pipe chase. The condition of this pipe chase was such that, at the lower points, fluid penetration from drycleaning waste was discharged into the subsurface soil.

ZYTEL, P.C. was contracted to bring the above-listed facility into compliance with the UIC program. The landlord, Long Island Sound, LLC., chose to close the identified 5W20 Class V injection wells at the above referenced facility during two soil remedial operations: 1998 and 1999, respectively.

A Phase II Investigative Work Plan was prepared and submitted to the NYSDEC in August, 2002 and a Supplement Phase II Investigation Work Plan was submitted to the NYSDEC in October, 2002. Subsequently, on November 29, 2002, the NYSDEC approved the investigation work plan for the subject parcel (Appendix A).

The following is the Phase II Limited Subsurface Investigative Report resulting from completion of the various tasks outlined in

the NYSDEC approved Phase II Investigation Work Plan for the site that evaluates the potential for contamination following soil remediation already completed at the site during 1998 and 1999-2000, respectively.

This parcel is unusual in the respect that a detailed geophysical investigation was not necessary. There have been two (2) extensive soil excavation/remediation projects completed to date: 1998 Excavation and 1999-2000 Excavation (see the Background Section above). Information concerning subsurface soil stratigraphy and contamination details were discovered and compiled during these activities.

In summary, during the 1998 remediation project, soil was removed from the southwestern side of the building (i.e., an excavation hole with approximate dimensions of 20 feet by 12 feet by 20 feet deep). 103.6 tons of contaminated soil was removed from the contamination locality and manifested from the site. Following the removal of the contaminated soil, clean sand was brought to the site and used to re-fill the excavation pit. During the 1999-2000 remediation project, soil was removed from an excavation hole with approximate dimensions of 50 feet by 16 feet by 20 feet deep. 837.83 tons of contaminated soil was removed from the contamination locality and properly manifested off the site. Following the removal of the contaminated soil, clean sand was brought to the site and used to re-fill the excavation pit.

These excavation/remediation activities shed considerable information on the nature of the subsurface soil at the subject parcel. The subsurface soil consists of interlayered silty clay, clayey silt, clayey sand, silty sand, sand and gravelly sand, and gravel. The interbeds were generally not continuous and appeared to be lens-shaped over the area of the excavations. Consequently, it was difficult to trace one particular bed over any distance.

The subsurface stratigraphy is generally more clayey from the ground surface to approximately 15 feet in depth with a slight increase in sandy content below that. However, most of the stratigraphy encountered in the excavation/remediation portion of the project displays a clayey faction.

During excavation, systematic soil sampling was completed along with a continuous reading from the on-site PID in order to determine the extent and concentration of contaminate in the soil as excavation was progressing. Results from these analyses indicated a general reduction in contaminate concentration with depth. Excavation was halted just prior to reaching the zone of saturation since contaminate levels were at or below remediation levels, as witnessed and sampled by staff from the Nassau County Department of Health.

Considering the amount of clayey layers within the subsurface

stratigraphy, the movement direction(s) of the contaminate is difficult to predict or trace. Consequently, the amount of lateral vs. vertical movement of contaminate could not be determined during the two excavation/remediation projects.

Based on the subsurface data encountered during the two excavation/remediation projects associated with the subject parcel, monitoring wells were proposed within the parcel (see Site Map). The previous work completed on the subject parcel has helped to reduce risks associated with drilling the monitoring wells as well as to reduce the overall project time and cost, and to improve the accuracy and confidence in the project.

OBJECTIVE

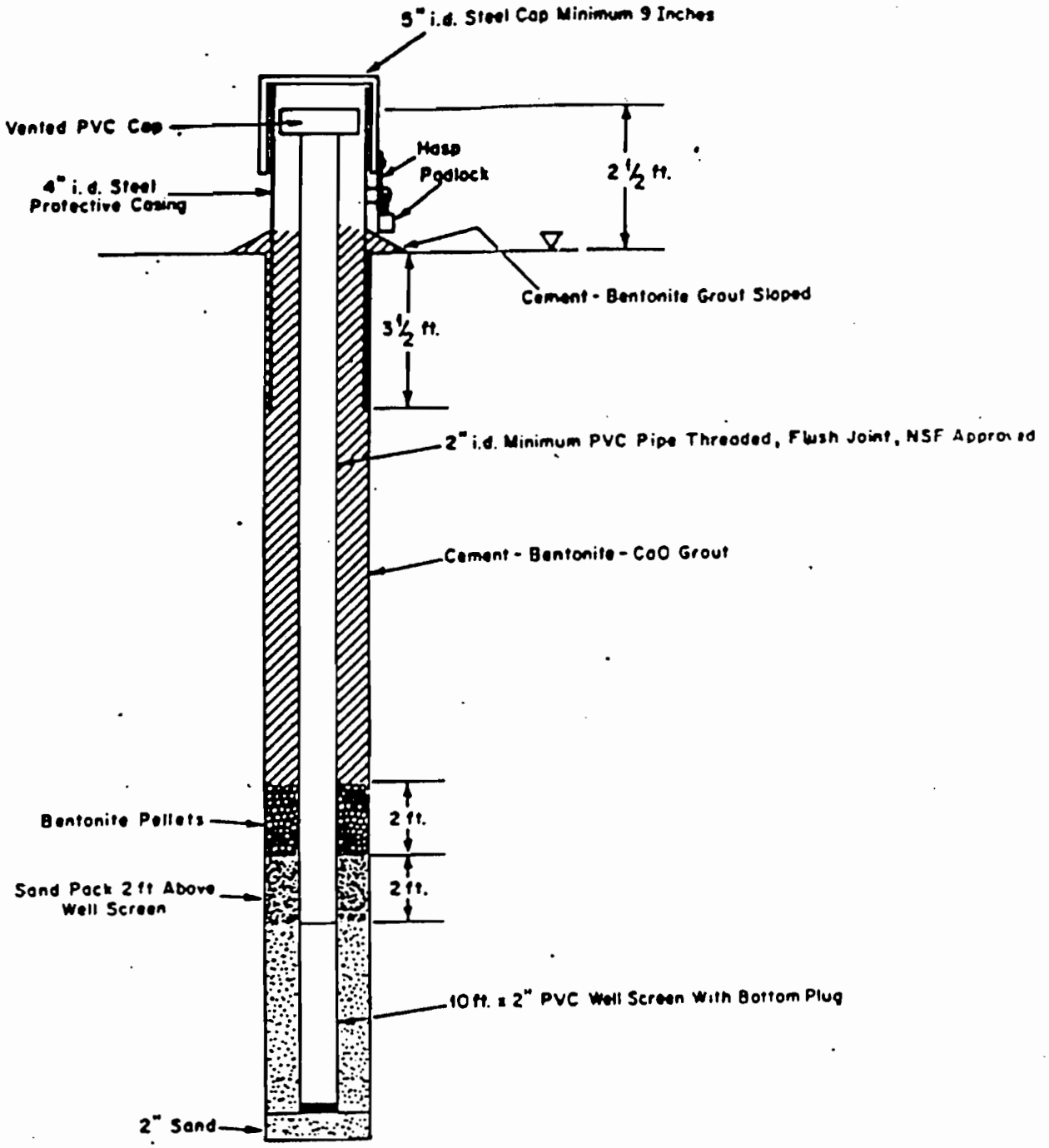
The objective of the Phase II Limited Subsurface Investigative Report is to determine if contaminants are still present within the parcel and to determine, if present, whether the contamination is leaving this inactive hazardous waste site with a resulting impact on human population and/or the environment. This document describes the satisfaction of the various tasks outlined in the Phase II Investigative Work Plan in order to comply with the requirements of the NYSDEC.

Since soil and, potentially, groundwater contamination is suspected to have originated on the subject parcel, the Phase II Investigation Work Plan, as required by the NYSDEC, includes the emplacement of monitoring wells and subsequent soil and groundwater sampling, completion of subsurface test holes (i.e., Geoprobe test hole completions; Test holes interior of the building and exterior of the building; Test hole completion within a storm drain located in the northeastern portion of the parking lot) and associated soil and groundwater sampling, respectively. In order to determine whether this facility was the source of any contamination, the monitoring wells and geoprobe test holes will provide data concerning water chemistry at various depths within the zone of saturation, characteristics of the stratigraphy, and other information about the groundwater.

FIELD ACTIVITIES

Monitoring Well Installation. Seven (7) monitoring wells were installed within the property lines (see Site Map). Specifics concerning individual wells include the fact that the individual well borings penetrated the overburden utilizing a 4-inch I.D. hollow-stem auger or driven casing, with split spoon samples collected every 5 feet or at significant changes in materials. Blow counts were recorded during each phase of the sampling. Soil samples were classified in the field by a geologist using the Unified Soil Classification system (using the NYSDOT Soil Description Procedure) (See monitoring well construction details on the geologic logs found in Appendix B).

Slotted 2-inch I.D. PVC well screen were installed over 15-foot intervals in each well (to account for water table fluctuations), with a riser casing of flush-joint, threaded, 2-inch I.D. PVC pipe. A gravel pack was completed to approximately 2 feet above the top of the screen, where a 1-foot bentonite seal was installed. To further assure that any water samples collected would be representative of the screened interval, the remaining annular space was grouted, and a protective steel casing installed. A diagram of a typical monitoring well is provided as attached (see Details of a Typical Monitoring Well).



OVERBURDEN WELL

All drilling equipment used in the construction of a monitoring well was decontaminated and sanitized prior to utilization at the next well (i.e., steam cleaned and scrubbed with alconox solution and rinsed liberally with de-ionized water [Decontamination procedures consistent with EPA {CAPJP}]). All monitoring well emplacement techniques and methods were completed consistent with the NYSDEC approved Phase II Investigative Work Plan.

Test Hole Drilling: Three (3) exterior test holes were completed, other than those borings of the monitoring wells (see Site Map). These borings were completed utilizing a 4-inch hollow stem auger and were completed to approximately 5 feet below the zone of saturation. The soils encountered consisted of interlayered sand, silty sand, clayey sand, and gravelly sand.

In addition, utilizing a portable drill rig, three (3) interior test holes were completed within the building near the edges of the previous soil excavation areas (see Site Map). These borings were completed utilizing a 2-inch hollow stem auger and were completed to approximately 5 feet below the zone of saturation. The soils encountered consisted of interlayered sand, silty sand, clayey sand, and gravelly sand.

All test hole emplacement techniques and methods were completed consistent with the NYSDEC approved Phase II Investigative Work Plan.

Storm Drain Test Hole: A test hole was completed within the storm drain located within the northeastern portion of the parking lot and was completed utilizing a 4-inch hollow stem auger and was completed to approximately 5 feet below the bottom level of the open structure (i.e., within the 15-20 feet zone). The soils encounted consisted of sand, silty sand, and clayey sand, and gravelly sand. The storm drain test hole emplacement techniques and methods were completed consistent with the NYSDEC approved Phase II Investigative Work Plan.

Geoprobe Test Holes: Completed adjacent to the monitoring wells, seven (7) groundwater sampling test holes, utilizing the geoprobe technique, were completed. The geoprobe test holes were completed in such a manner as to allow for the collection of groundwater samples at 10 foot intervals from the zone of saturation (i.e., approximately 30 feet below ground surface) to approximately 70 feet below ground surface.

The geoprobe test hole emplacement techniques and methods were completed consistent with the NYSDEC approved Phase II Investigative Work Plan.

SOIL AND GROUNDWATER SAMPLING

Monitoring Well Sampling: During monitoring well emplacement, split spoon samples were collected every 5 feet from the initial portion of the well down to approximately 40 feet below the ground surface. Soil types encountered during the well emplacement included sand, silty sand, clayey sand, and gravelly sand. Soil samples were collected using a 2-inch split spoon sampler, and were logged and screened in the field by the on-site geologist for the presence of volatile organic compound (VOC) vapors using a photoionization detector (PID). The samples were placed in a cooler on ice and brought to VTEQE, LTD. (Bayport, N.Y.) and South Mall Analytical Labs, Inc. (Plainview, N.Y.) where they were analyzed for VOCs by EPA Method 8260. Laboratory test results completed on the soil collected within the monitoring wells are found in Appendix E.

Grain-size, Atterberg, soil-moisture, permeability, conductivity, pH, temp., turbidity tests were completed for each well. The results are found in Appendix C.

Following development of the monitoring wells, each well was perged of several times its individual volume of standing water, consistent with the techniques and methods found in the NYSDEC approved Phase II Investigative Work Plan. Groundwater sampling

was then completed for each of the seven (7) monitoring wells. The samples were placed in a cooler on ice and brought to South Mall Analytical Labs, Inc. (Plainview, N.Y.) where they were analyzed for VOCs by EPA Method 8260. The results are found in Appendix D.

Test Hole Sampling: Soil sampling was completed for six (6) test holes: Three (3) test holes exterior of the building; and three (3) test holes within the building. During test hole emplacement, split spoon samples were collected every 5 feet from the initial portion of the well down to approximately 40 feet below the ground surface. Soil types encountered during the well emplacement included sand, silty sand, clayey sand, and gravelly sand. Soil samples were collected using a 2-inch split spoon sampler, and were logged and screened in the field by the on-site geologist for the presence of volatile organic compound (VOC) vapors using a photoionization detector (PID). The samples were placed in a cooler on ice and brought to ARUS Analytical, Inc. (Bayport, N.Y.) where they were analyzed for VOCs by EPA Method 8260. The results are found in Appendix F.

Storm Drain Test Hole Sampling: Soil sampling was completed for the storm drain within the parking lot. During test hole emplacement, a split spoon sample was collected for the 15-20 foot interval (i.e., bottom soil level of the storm drain was approximately 15 feet below ground surface). Soil encountered

during the test hole completion included sand, silty sand, and clayey sand. A soil sample was collected using a 2-inch split spoon sampler (i.e., 15-17 feet below ground surface), and was logged and screened in the field by the on-site geologist for the presence of volatile organic compound (VOC) vapors using a photoionization detector (PID). The sample was placed in a cooler on ice and brought to South Mall Analytical Labs, Inc. (Plainview, N.Y.) where they were analyzed for VOCs by EPA Method 8260. The results are found in Appendix G.

Geoprobe Test Hole Sampling: Groundwater samples were collected in test holes located adjacent to each of the existing monitoring wells (i.e., 7 monitoring wells) utilizing the geoprobe collection method. These groundwater samples were collected every 10 feet from the water table down to approximately 70 feet below the ground surface. The samples were placed in a cooler on ice and brought to South Mall Analytical Labs, Inc. (Plainview, N.Y.) where they were analyzed for VOCs by EPA Method 8260. The results are found in Appendix H.

Monitoring Well Survey: A professional survey was completed on the subject parcel that located the monitoring wells and determined the elevation of the top of the casings (toc) of the seven monitoring wells. The elevations were referenced to an arbitary on-site benchmark of 127.59 feet (see Site Map). The exact monitoring well locations are shown on the Site Map, and

top of the casing elevations are listed as follows:

	TOC Elevation
MW-1	127.18
MW-2	126.12
MW-3	124.90
MW-4	125.38
MW-5	125.61
MW-6	127.41
MW-7	129.08

Groundwater Monitoring: On 5/14/04 water level measurements were collected from the seven (7) on site monitoring wells (i.e. MW-1 through MW-7, respectively) using a sonic interface tape. The water level measurements were referenced to the surveyed top of casing elevations at each well, and calculated groundwater elevations are listed below:

	Depth to Water (DTW)	Groundwater El.
MW-1	24.08	103.10
MW-2	23.10	103.02
MW-3	22.08	102.82
MW-4	22.42	102.96
MW-5	22.86	102.75
MW-6	24.51	102.90
MW-7	26.16	102.92

RESULTS OF SAMPLING INVESTIGATION

Soil Quality:

PID field screening was completed in associated with the emplacement of the seven (7) monitoring wells, the six (6) test holes, and the test hole completed within the storm drain. In addition, soil samples were collected from the monitoring wells, test holes, and the storm drain test hole.

Monitoring Wells. The results of PID field screening indicate that VOC vapors were present within each of the monitoring wells, but at low levels. In addition, soil laboratory testing (i.e., EPA Method 8260) indicated the presence of Tetrachloroethene (i.e., PERC) at levels below the NYSDEC remediation levels (i.e., 1,400 ppb) for soil. Please note that Monitoring Wells M-1 and M-2 were completed to approximately 92 feet below ground surface. Laboratory test results for the soil collected within the seven monitoring wells is included in Appendix E and are illustrated within the actual boring diagrams in Appendix I.

Test Holes. The results of PID field screening indicate that VOC vapors were not present within the interior building test holes, but were present within portions of the exterior test holes, but at low levels in each case. In addition, soil laboratory testing (i.e., EPA Method 8260) did not indicate the

presence of PERC within the interior test holes but did indicate the presence of Tetrachloroethene (i.e., PERC) at levels below the NYSDEC remediation levels (i.e., 1,400 ppb) for soil in each of the 3 test holes completed outside of the building. Laboratory test results from soil collected within the 6 test holes is included in Appendix F and are illustrated within the actual boring diagrams in Appendix J.

Storm Drain. The results of PID field screening indicate that VOC vapors were present within the test hole completed within the storm drain located in the parking lot of the parcel, but were present at low levels. In addition, soil laboratory testing (i.e., EPA Method 8260) did indicate the presence of Tetrachloroethene (i.e., PERC) (i.e., 15.3 ppb) at levels below the NYSDEC remediation levels (i.e., 1,400 ppb) for soil in the test hole. Laboratory test results from soil collected within the storm drain test hole is included in Appendix G and are illustrated within the actual boring diagram in Appendix K.

Water Quality:

Hydrogeologic Setting: The site is underlain by "Urban Fill and Upper Glacial Aquifer" soil. Groundwater beneath the site was encountered in each of the seven (7) monitoring wells, the six (6) test holes, within the storm drain test hole, and within the seven (7) geoprobe test holes. The groundwater levels were

accurately measured within the 7 monitoring wells and that information has been previously recorded above. The depth to water measurements were used to calculate the groundwater elevations at each well head, and a general direction of groundwater flow across the site was determined. Groundwater flow direction is to the northwest. The direction of the groundwater flow is roughly consistent with the surface topography observed at the site and nearby areas to the site.

The surficial geology beneath the site consists of varying amounts of fine to coarse grained sand and, locally, gravel, silty sand, clayey sand, clayey silt, and clay.

Monitoring Wells. Groundwater samples were collected within each of the seven (7) monitoring wells and the results of laboratory testing are found in Appendix D (see Site Plan for well locations). The groundwater encountered within each monitoring well had the presence of Tetrachloroethene (PERC) in various concentrations. The following table indicates the PERC concentrations found in each monitoring well:

Monitoring Well #	PERC Conc. (ppb)
MW-1	139
MW-2	212
MW-3	45.4
MW-4	69.6
MW-5	809
MW-6	47.7
MW-7	146

Considering that the NYSDEC Groundwater Quality Standards for PERC in groundwater is 5 ppb, all of the monitoring wells contained concentrations of PERC above the NYSDEC Groundwater Quality Standards, with the highest concentrations of PERK found in Monitoring Well #5, located in the northwest corner of the site (see Site Map).

Geoprobe Test Holes: Groundwater samples were collected within each of the seven (7) Geoprobe test holes completed adjacent to the seven (7) monitoring wells and the results of laboratory testing are found in Appendix H and Appendix L (see Site Plan for well locations/geoprobe test hole locations). Sampling from within the geoprobe test holes collected groundwater at 10 feet intervals from the water table down to approximately 70 feet below ground surface. The groundwater encountered within each monitoring well had the presence of Tetrachloroethene (PERC) in various concentrations.

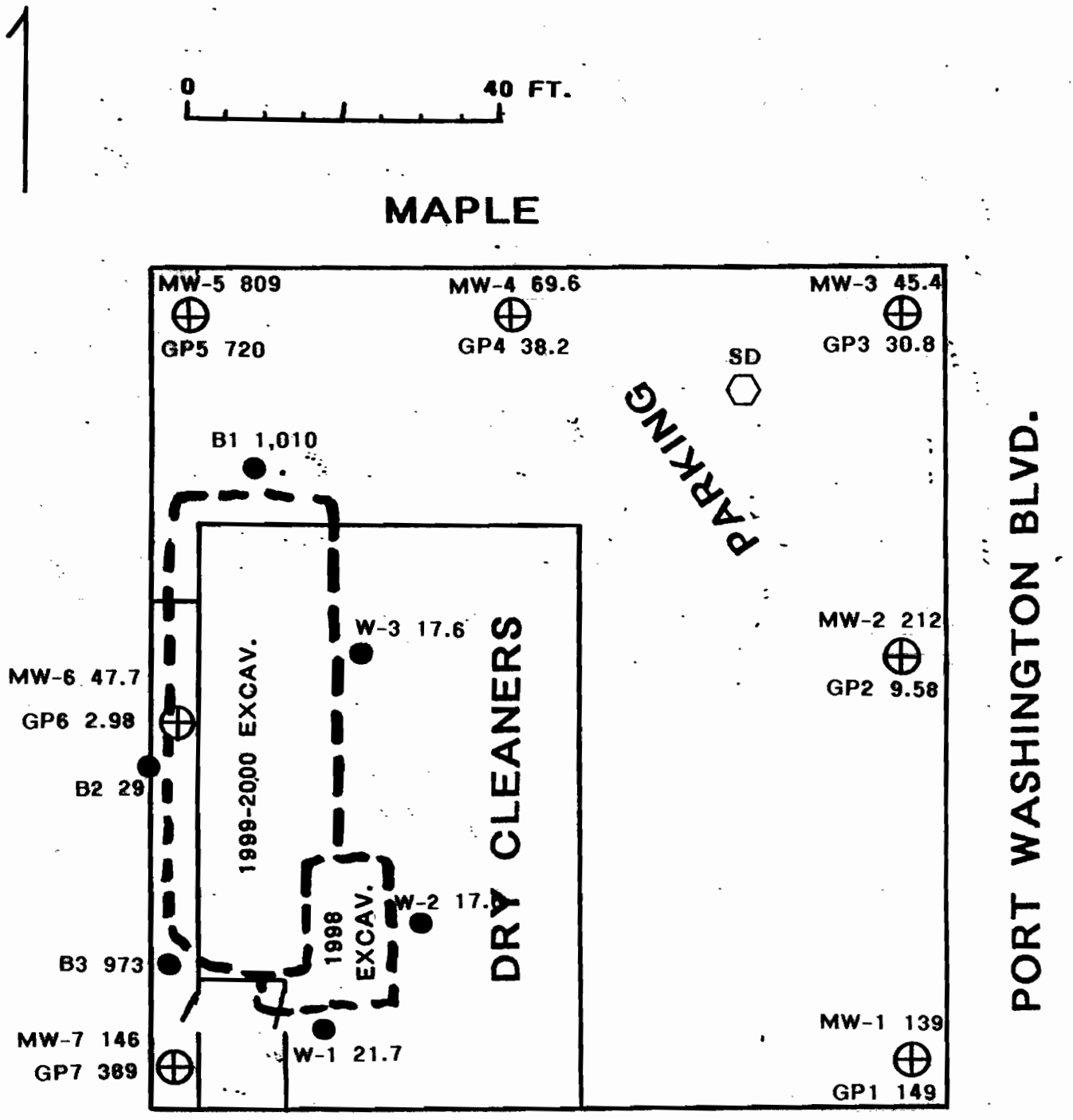
Considering that the NYSDEC Groundwater Quality Standards for PERC in groundwater is 5 ppb, all of the geoprobe test holes contained concentrations of PERC above the NYSDEC Groundwater Quality Standards, with the highest overall concentrations of PERC found in Geoprobe Test Hole #5, located in the northwest corner of the site (see Site Map).

DISCUSSION OF RESULTS

Groundwater laboratory analytical results indicate that all seven (7) of the monitoring wells has PERC concentrations exceeding the NYSDEC minimal standard limit of 5 ppb. The largest concentration of PERC in the groundwater was found in Monitoring Well #5 (i.e., 809 ppb), located within the northwestern corner of the parcel. Geoprobe test hole laboratory analyses confirmed the results found in the monitoring wells, with #5 having the highest concentration of PERC.

Interior groundwater samples collected at the water table, located near the localities of the excavation areas, indicated slightly raised levels of PERC in the groundwater. However, the soil above the groundwater in these locations did not contain PERC.

SITE MAP



(MW) MONITORING WELL LOCATION w/ perc conc. (ppb)

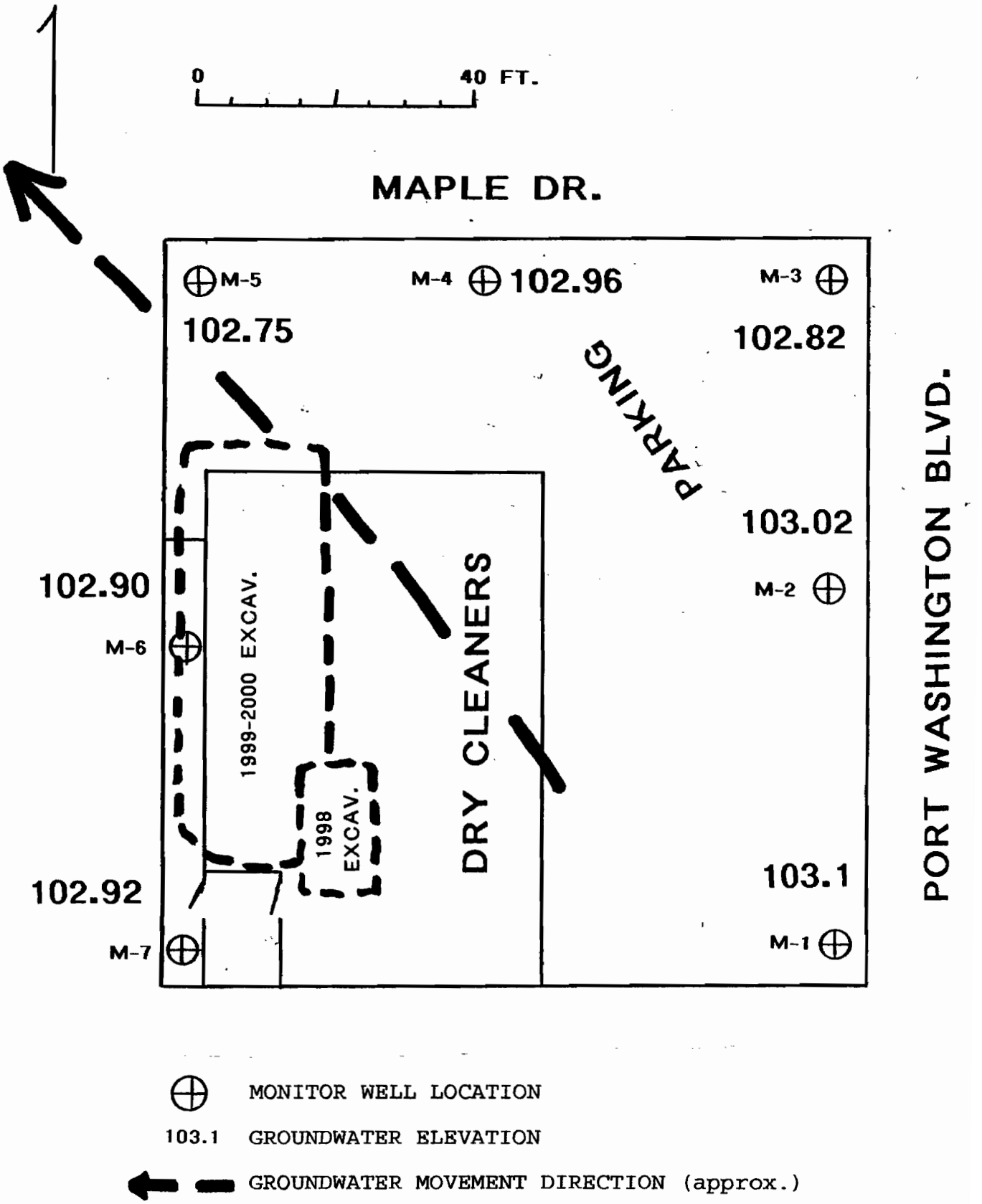
(GP) GEOPROBE TEST HOLES (adj. MW) w/ perc conc. (ppb) at top of water table

(B or W) TEST HOLE SOIL BORING LOCATION w/ perc conc. (ppb) at top of water table

(SD) STORM DRAIN TEST HOLE LOCATION

* NOTE: locations are approximate

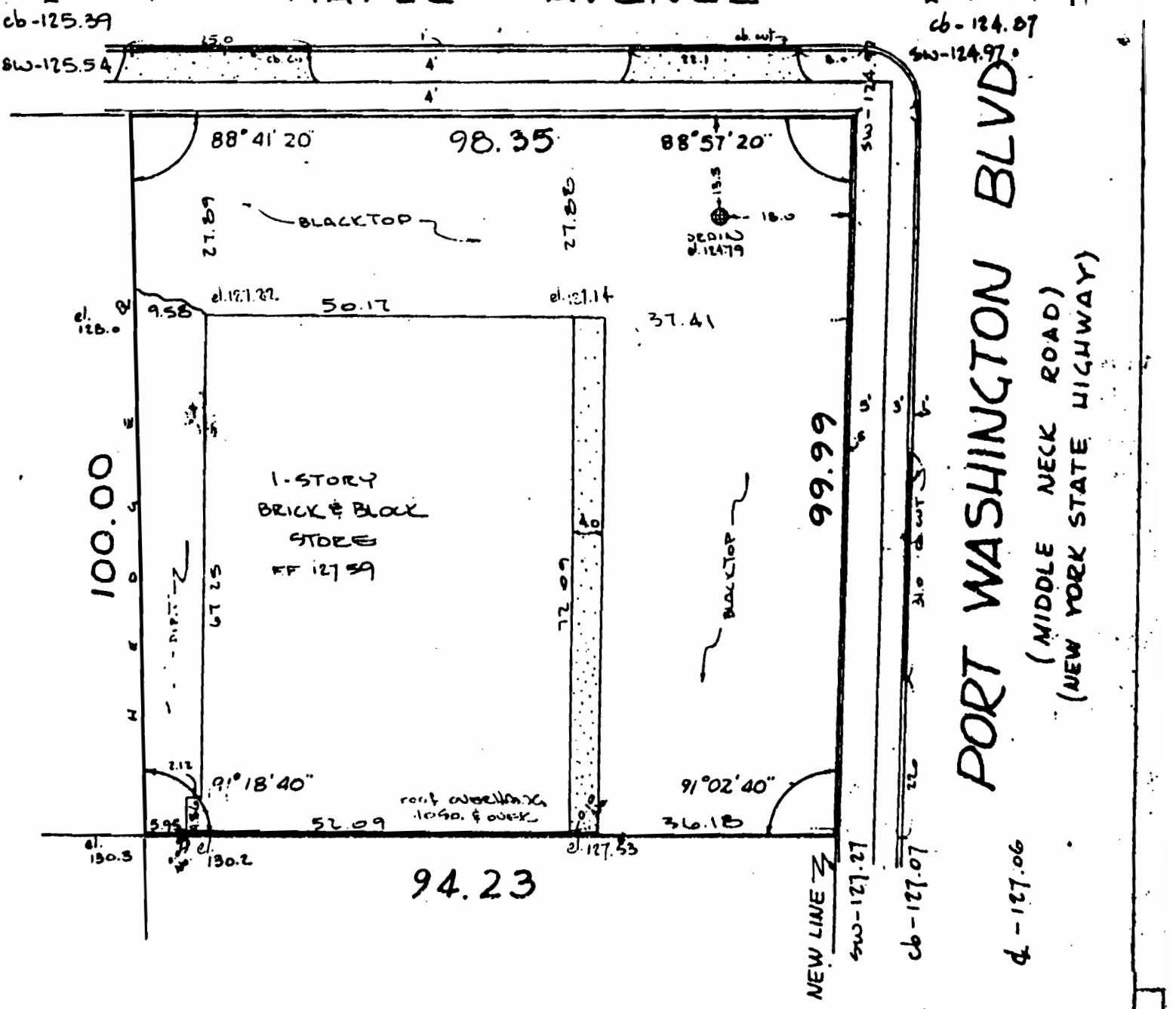
GROUNDWATER SURFACE MAP



⊕ MONITOR WELL LOCATION

103.1 GROUNDWATER ELEVATION

GROUNDWATER MOVEMENT DIRECTION (approx.)



arman - Dunne, Inc.
Civil Engineers
2 Lakeview Ave.
Lynbrook, New York
TELEPHONE: LYNBROOK 9-5563

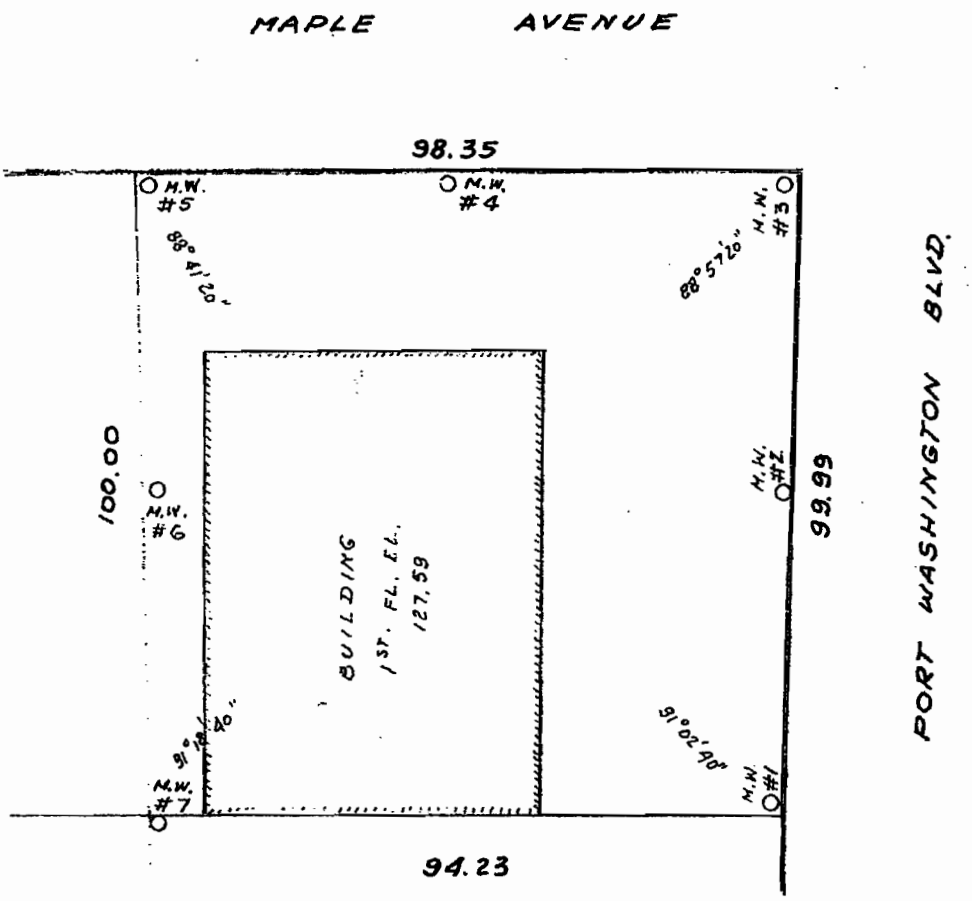
NORTH

SCALE: 1" = 20'

VEY OF P.O. LOTS 49 & 50, MAP OF JACOBS BROS.
FILED JUNE 9. 1905 #261, PORT WASHINGTON, NAS. CO. N.Y.
R ONLY TO GUARANTEED TITLE DIVISION, AMERICAN TITLE
S. CO., FLUSHING FEDERAL SAVINGS & LOAN ASSOC.

BY Fred Thum
DATE MAR. 12, 19[illegible]
REDATE JUNE 3, 1964 DC
FOR NO

TITLE NO. 66-118863
B 127 L 13



M.W.	RIM EL.
#1	127.18
#2	126.12
#3	124.90
#4	125.38
#5	125.61
#6	127.41
#7	129.08

NOTE:

1. M.W. = MONITOR WELL
2. MON. WELL'S NUMBERS AS PER ZYTEL
3. ELEVATIONS ARE AS PER SURVEY PREPARED BY CARMAN - DUNNE, INC. DATED: JUNE 3, 1964

NASSAU-SUFFOLK OFFICE
430 W. OLD COUNTRY RD.
HICKSVILLE, NY 11801
PHONE (516) 822-5111
FAX (516) 822-4395

PETER J. BRABAZON
Professional Land Surveyor

Successor To:
KENNETH S. O'BRIEN

NEW YORK CITY OFFICE
33-50 157TH STREET
FLUSHING, NY 11354
PHONE (718)767-5111
FAX (516) 822-4395

APPENDICIES

APPENDIX A

NYSDEC WORK PLAN APPROVAL LETTER

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region One
Building 40 - SUNY, Stony Brook, New York 11790-2356
Phone: (631) 444-0240 • **FAX:** (631) 444-0248
Website: www.dec.state.ny.us

Erin M. Crotty
Commissioner

November 29, 2002

Mr. Russell Furia
Zytel, P.C.
265 Indian Head Road
Kings Park, NY 11754

Re: Plaza Cleaners - Port Washington
Revised Investigation Work Plan
Order on Consent Index # W1-0869-01-03

Dear Mr. Furia,

The New York State Department of Environmental Conservation hereby approves the investigation work plan for the referenced site. The work plan consists of the August 2002 Phase II Investigation Work Plan Volume 1, the February 2002 Phase II Investigation Work Plan Volumes 2, 3 and 4 and the October 2002 supplement to the Phase II Investigation Work Plan.

Please notify this Department seven days prior to the initiation of field activities so that staff may be present to oversee field implementation of the work plan as well as split samples. If you should have any questions, please feel free to contact me at (631) 444-0246.

Sincerely,

Jamie Ascher
Engineering Geologist 2

cc: W. Parish
D. D'Ambrosio
W. Kuehner
J. DeFranco

APPENDIX B

GEOLOGIC LOGS

GEOLOGIC LOG

M-1

Sample Depth (ft.)	Sample Type	Blow Cts.	Rec (ft.)	Description
5-7	SS	13-9-9-15	1.8	Silty sand, dk.br., no odor
10-12	SS	9-10-9-9	1.6	Sand, br., no odor
15-17	SS	7-6-6-7	1.2	Sand, lt.br., no odor
20-22	SS	6-9-10-10	1.5	Sand, lt.br., no odor, moist
25-27	SS	11-12-19-17	1.1	Sand, lt.br., no odor, saturated
30-32	SS	9-11-21-19	1.6	Sand, lt.br., no odor, saturated
35-37	SS	9-32-25-16	1.7	Sand, lt.br., no odor, saturated
40-42	SS	9-11-11-10	1.3	Sand, minor gravel, lt.br., no odor, saturated
45-47	SS	9-7-9-11	1.8	Sand, minor gravel, lt.br., no odor, saturated
50-52	SS	10-11-10-10	1.1	Sand, lt.br., no odor, saturated
55-57	SS	3-3-5-7	1.7	Sand, minor gravel, lt.br., no odor, saturated
60-62	SS	3-3-5-3	1.5	Sand, lt.br., no odor, saturated
65-67	SS	6-5-6-7	1.7	Sand, minor gravel, lt.br., no odor, saturated
70-72	SS	21-29-29-22	1.3	Sand, lt.br., no odor, saturated
75-77	SS	11-17-16-16	1.4	Sand, lt.br., no odor, saturated
80-82	SS	15-21-20-22	1.1	Sand, lt.br., no odor, saturated
85-87	SS	15-19-21-24	1.2	Sand, lt. br., no odor, saturated
90-92	SS	-	1.1	Sand, minor gravel, lt.br., Saturated

GEOLOGIC LOG

M-2

Sample Depth (ft.)	Sample Type	Blow Cts.	Rec (ft.)	Description
5-7	SS	6-8-12-19	1.9	Silty sand, concrete frags., dk.br., no odor
10-12	SS	7-9-12-14	1.8	Silty sand, dk.br., no odor
15-17	SS	7-10-13-15	1.5	Sand, lt.br., no odor
20-22	SS	5-8-10-13	1.8	Sand, lt.br., no odor, moist
25-27	SS	4-5-7-9	1.4	Sand, lt.br., no odor, saturated
30-32	SS	4-7-8-11	1.7	Sand, lt.br., no odor, saturated
35-37	SS	8-7-5-5	1.2	Sand, minor gravel, lt.br., no odor, saturated
40-42	SS	6-8-9-13	1.5	Sand, minor gravel, lt.br., no odor, saturated
45-47	SS	11-13-13-15	1.2	Sand, lt.br., no odor, saturated
50-52	SS	12-14-14-16	1.9	Sand, lt.br., no odor, saturated
55-57	SS	9-11-11-14	1.3	Sand, lt.br., no odor, saturated
60-62	SS	9-11-15-16	1.7	Sand, lt.br., no odor, saturated
65-67	SS	9-12-15-16	1.5	Sand, lt.br., no odor, saturated
70-72	SS	9-12-14-16	1.1	Sand, lt.br., no odor, saturated
75-77	SS	11-14-9-14	1.3	Sand, lt.br., no odor, saturated
80-82	SS	9-12-12-14	1.1	Sand, lt.br., no odor, saturated
85-87	SS	-	1.5	Sand, lt. br., no odor, saturated
90-92	SS	-	1.1	Sand, minor gravel, lt.br., Saturated

GEOLOGIC LOG

M-3

Sample Depth (ft.)	Sample Type	Blow Cts.	Rec (ft.)	Description
5-7	SS	7-9-7-8	1.5	Sand, lt.br., no odor
10-12	SS	7-9-9-11	1.9	Sand, lt.br., no odor
15-17	SS	11-10-10-11	1.8	Sand, lt.br., no odor
20-22	SS	7-8-8-10	1.8	Sand, lt.br., no odor, moist
25-27	SS	8-8-9-11	1.5	Sand, lt.br., no odor, saturated
30-32	SS	9-11-9-12	1.8	Sand, lt.br., no odor, saturated
35-37	SS	9-7-7-5	1.5	Sand, minor gravel, lt.br., no odor, saturated
40-42	SS	13-12-13-11	1.7	Sand, minor gravel, lt.br., no odor, saturated

GEOLOGIC LOG

M-4

Sample Depth (ft.)	Sample Type	Blow Cts.	Rec (ft.)	Description
5-7	SS	4-6-8-9	1.8	Sand, lt.br., no odor
10-12	SS	9-13-13-15	1.6	Sand, lt.br., no odor
15-17	SS	15-13-15-19	1.8	Sand, lt.br., no odor
20-22	SS	13-11-11-8	1.7	Sand, lt.br., no odor, moist
25-27	SS	9-11-9-7	1.6	Sand, lt.br., no odor, saturated
30-32	SS	13-10-10-8	1.5	Sand, lt.br., no odor, saturated
35-37	SS	8-11-8-7	1.7	Sand, lt.br., no odor, saturated
40-42	SS	-	1.7	Sand, lt.br., no odor, saturated

GEOLOGIC LOG

M-5

Sample Depth (ft.)	Sample Type	Blow Cts.	Rec (ft.)	Description
5-7	SS	5-6-5-7	1.8	Silty sand, dk.br., no odor
10-12	SS	10-14-13-15	1.7	Sand, lt.br., no odor
15-17	SS	13-15-15-17	1.9	Sand, lt.br., no odor
20-22	SS	12-12-12-7	1.4	Sand, lt.br., no odor, moist
25-27	SS	7-13-6-5	1.6	Sand, lt.br., no odor, saturated
30-32	SS	15-11-12-7	1.8	Sand, lt.br., no odor, saturated
35-37	SS	10-13-13-6	1.6	Sand, lt.br., no odor, saturated
40-42	SS	-	1.8	Sand, lt.br., no odor, saturated

GEOLOGIC LOG

M-6

Sample Depth (ft.)	Sample Type	Blow Cts.	Rec (ft.)	Description
5-7	SS	8-8-7-8	1.6	Silty/clayey sand, dk.br., no odor
10-12	SS	9-10-9-8	1.8	Silty sand, dk.br., no odor
15-17	SS	9-12-12-13	1.5	Sand, lt.br., no odor
20-22	SS	10-9-10-10	1.7	Sand, lt.br., no odor, moist
25-27	SS	12-11-10-4	1.2	Sand, lt.br., no odor, saturated
30-32	SS	10-10-9-12	1.6	Sand, lt.br., no odor, saturated
35-37	SS	12-13-12-11	1.7	Sand, lt.br., no odor, saturated
40-42	SS	9-8-10-8	1.5	Sand, lt.br., no odor, saturated

GEOLOGIC LOG

M-7

Sample Depth (ft.)	Sample Type	Blow Cts.	Rec (ft.)	Description
5-7	SS	-	1.8	Silty sand, dk.br., no odor
10-12	SS	6-6-12-11	1.8	Silty sand, dk.br., no odor
15-17	SS	11-11-8-9	1.7	Sand, lt.br., no odor
20-22	SS	-	1.5	Sand, lt.br., no odor, moist
25-27	SS	7-8-8-7	1.1	Sand, lt.br., no odor, saturated
30-32	SS	10-9-7-8	1.7	Sand, lt.br., no odor, saturated
35-37	SS	9-9-11-17	1.9	Sand, lt.br., no odor, saturated
40-42	SS	8-9-13-15	1.3	Sand, lt.br., no odor, saturated

APPENDIX C

SOIL LABORATORY ANALYTICAL DATA

FIELD SAMPLING REPORT FOR MONITORING WELLS

Client:	Zytel Inc.
Location:	996 Port Washington Blvd.
Collected By:	Michael E. Miller, Ph.D.
Sampling Point:	Well 1
Sample Date:	5/14/04
Time Sampling Began:	2:30
Time Sampling Ended:	2:35

Depth to Well Bottom from Top of Well Case, ft. (A):	38.88
Depth to Top of Water from Top of Well Case, ft. (B):	24.08
Water Depth, ft. (A-B):	14.80
Inches = ft. x 12:	177.6
Diameter of Well:	2 (inches)
Volume of Water, gal. [Water Depth (inches) x (*see asterisk below)]:	2.41
Purge Rate (gals/minute)(C):	—
Purge Volume Required (gals): 3 x Vol.	7.25 (D) to 5 x Vol. 12.1 (E)
Purge Time Required (minutes): D/C	— E/C —
Total Time of Purge (minutes):	—
Volume of Purge (gals) (Purge Rate x Total Time of Purge):	8

		*Well Diameters:
Collection Method:	Grab Sample	
Type of Sampler:	Teflon Bailer	2" = 0.0136
Sample Type:	Groundwater from Monitoring Well	3" = 0.0306
Sample Matrix:	Aqueous	4" = 0.0544
Sample Temp.:	16.1 °C	5" = 0.0850
Air Temp.:	21.5 °C	6" = 0.1224
Weather:	overcast	
pH:	6.05	
Conductivity:	809 µS	
Turbidity:	51.4 NTU	

FIELD SAMPLING REPORT FOR MONITORING WELLS

Client:	Zytel Inc.
Location:	996 Port Washington Blvd.
Collected By:	Michael E. Miller, Ph.D.
Sampling Point:	Well 2
Sample Date:	5/14/04
Time Sampling Began:	2:40
Time Sampling Ended:	2:45

Depth to Well Bottom from Top of Well Case, ft. (A): 39.78

Depth to Top of Water from Top of Well Case, ft. (B): 23.10

Water Depth, ft. (A-B): 15.68 Inches = ft. x 12: 188

Diameter of Well: 2 (inches)

Volume of Water, gal. [Water Depth (inches) x (*see asterisk below)]: 2.56

Purge Rate (gals/minute)(C): —

Purge Volume Required (gals): 3 x Vol. 7.68 (D) to 5 x Vol. 12.8 (E)

Purge Time Required (minutes): D/C — E/C —

Total Time of Purge (minutes): —

Volume of Purge (gals) (Purge Rate x Total Time of Purge): 8

		*Well Diameters:
Collection Method:	Grab Sample	
Type of Sampler:	Teflon Bailer	2" = 0.0136
Sample Type:	Groundwater from Monitoring Well	3" = 0.0306
Sample Matrix:	Aqueous	4" = 0.0544
Sample Temp.:	15.9 °C	5" = 0.0850
Air Temp.:	21.5 °C	6" = 0.1224
Weather:	overcast	
pH:	6.52	
Conductivity:	365 µS	
Turbidity:	67.6 NTU	

FIELD SAMPLING REPORT FOR MONITORING WELLS

Client:	Zytel Inc.
Location:	996 Port Washington Blvd.
Collected By:	Michael E. Miller, Ph.D.
Sampling Point:	Well 3 * Note: Car blocking well head, could not purge well, sampled as is.
Sample Date:	5/14/04
Time Sampling Began:	3:20 Time Sampling Ended: 3:25

Depth to Well Bottom from Top of Well Case, ft. (A): 36.54

Depth to Top of Water from Top of Well Case, ft. (B): 22.08

Water Depth, ft. (A-B): 14.46 Inches = ft. x 12: 173.5

Diameter of Well: 2 (inches)

Volume of Water, gal. [Water Depth (inches) x (*see asterisk below)]: 2.36

Purge Rate (gals/minute)(C): —

Purge Volume Required (gals): 3 x Vol. 7.08 (D) to 5 x Vol. 11.8 (E)

Purge Time Required (minutes): D/C — E/C —

Total Time of Purge (minutes): —

Volume of Purge (gals) (Purge Rate x Total Time of Purge): ∅ - see note above.

		*Well Diameters:
Collection Method:	Grab Sample	
Type of Sampler:	Teflon Bailer	2" = 0.0136
Sample Type:	Groundwater from Monitoring Well	3" = 0.0306
Sample Matrix:	Aqueous	4" = 0.0544
Sample Temp.:	15.0°C	5" = 0.0850
Air Temp.:	21.5°C	6" = 0.1224
Weather:	overcast	
pH:	6.26	
Conductivity:	609 µS	
Turbidity:	21.8 NTU	

FIELD SAMPLING REPORT FOR MONITORING WELLS

Client:	Zytel Inc.
Location:	996 Port Washington Blvd.
Collected By:	Michael E. Miller, Ph.D.
Sampling Point:	Well 4
Sample Date:	5/14/04
Time Sampling Began: 2:10	Time Sampling Ended: 2:15

Depth to Well Bottom from Top of Well Case, ft. (A): 38.74

Depth to Top of Water from Top of Well Case, ft. (B): 22.42

Water Depth, ft. (A-B): 16.32 Inches = ft. x 12: 196

Diameter of Well: 2 (inches)

Volume of Water, gal. [Water Depth (inches) x (*see asterisk below)]: 2.66

Purge Rate (gals/minute)(C): —

Purge Volume Required (gals): 3 x Vol. 7.99 (D) to 5 x Vol. 13.3 (E)

Purge Time Required (minutes): D/C — E/C —

Total Time of Purge (minutes): —

Volume of Purge (gals) (Purge Rate x Total Time of Purge): 8

		*Well Diameters:
Collection Method:	Grab Sample	
Type of Sampler:	Teflon Bailer	2" = 0.0136
Sample Type:	Groundwater from Monitoring Well	3" = 0.0306
Sample Matrix:	Aqueous	4" = 0.0544
Sample Temp.:	13.9°C	5" = 0.0850
Air Temp.:	21.5°C	6" = 0.1224
Weather:	overcast	
pH:	6.58	
Conductivity:	599 µS	
Turbidity:	50.9 NTU	

FIELD SAMPLING REPORT FOR MONITORING WELLS

Client:	Zytel Inc.
Location:	996 Port Washington Blvd.
Collected By:	Michael E. Miller, Ph.D.
Sampling Point:	well 5
Sample Date:	5/14/04
Time Sampling Began: 2:00	Time Sampling Ended: 2:05

Depth to Well Bottom from Top of Well Case, ft. (A): 38.51

Depth to Top of Water from Top of Well Case, ft. (B): 22.86

Water Depth, ft. (A-B): 15.65 Inches = ft. x 12: 187.8

Diameter of Well: 2 (inches)

Volume of Water, gal. [Water Depth (inches) x (*see asterisk below)]: 2.55

Purge Rate (gals/minute)(C): —

Purge Volume Required (gals): 3 x Vol. 7.66 (D) to 5 x Vol. 12.8 (E)

Purge Time Required (minutes): D/C — E/C —

Total Time of Purge (minutes): —

Volume of Purge (gals) (Purge Rate x Total Time of Purge): 8

		*Well Diameters:
Collection Method:	Grab Sample	
Type of Sampler:	Teflon Bailer	2" = 0.0136
Sample Type:	Groundwater from Monitoring Well	3" = 0.0306
Sample Matrix:	Aqueous	4" = 0.0544
Sample Temp.:	13.9 °C	5" = 0.0850
Air Temp.:	21.5°C	6" = 0.1224
Weather:	overcast	
pH:	6.12	
Conductivity:	535 µS	
Turbidity:	58.6 NTU	

FIELD SAMPLING REPORT FOR MONITORING WELLS

Client:	Zytel Inc.
Location:	996 Port Washington Blvd.
Collected By:	Michael E. Miller, Ph.D.
Sampling Point:	Well 6
Sample Date:	5/14/04
Time Sampling Began: 2:20	Time Sampling Ended: 2:25

Depth to Well Bottom from Top of Well Case, ft. (A): 39.19

Depth to Top of Water from Top of Well Case, ft. (B): 24.51

Water Depth, ft. (A-B): 14.68 Inches = ft. x 12: 176

Diameter of Well: 2 (inches)

Volume of Water, gal. [Water Depth (inches) x (*see asterisk below)]: 2.40

Purge Rate (gals/minute)(C): —

Purge Volume Required (gals): 3 x Vol. 7.18 (D) to 5 x Vol. 12.0 (E)

Purge Time Required (minutes): D/C — E/C —

Total Time of Purge (minutes): —

Volume of Purge (gals) (Purge Rate x Total Time of Purge): 8

		*Well Diameters:
Collection Method:	Grab Sample	
Type of Sampler:	Teflon Bailer	2" = 0.0136
Sample Type:	Groundwater from Monitoring Well	3" = 0.0306
Sample Matrix:	Aqueous	4" = 0.0544
Sample Temp.:	15.5°C	5" = 0.0850
Air Temp.:	21.5°C	6" = 0.1224
Weather:	overcast	
pH:	6.48	
Conductivity:	444 µS	
Turbidity:	1176 NTU	

FIELD SAMPLING REPORT FOR MONITORING WELLS

Client:	Zytel Inc.
Location:	996 Port Washington Blvd.
Collected By:	Michael E. Miller, Ph.D.
Sampling Point:	Well 7
Sample Date:	5/14/04
Time Sampling Began: 2:50	Time Sampling Ended: 2:55
Depth to Well Bottom from Top of Well Case, ft. (A):	40.28
Depth to Top of Water from Top of Well Case, ft. (B):	26.16
Water Depth, ft. (A-B): 14.12	Inches = ft. x 12: 169
Diameter of Well: 2 (inches)	
Volume of Water, gal. [Water Depth (inches) x (*see asterisk below)]:	2.30
Purge Rate (gals/minute)(C):	—
Purge Volume Required (gals): 3 x Vol. 6.91 (D) to 5 x Vol. 11.5 (E)	
Purge Time Required (minutes): D/C — E/C —	
Total Time of Purge (minutes): —	
Volume of Purge (gals) (Purge Rate x Total Time of Purge):	8

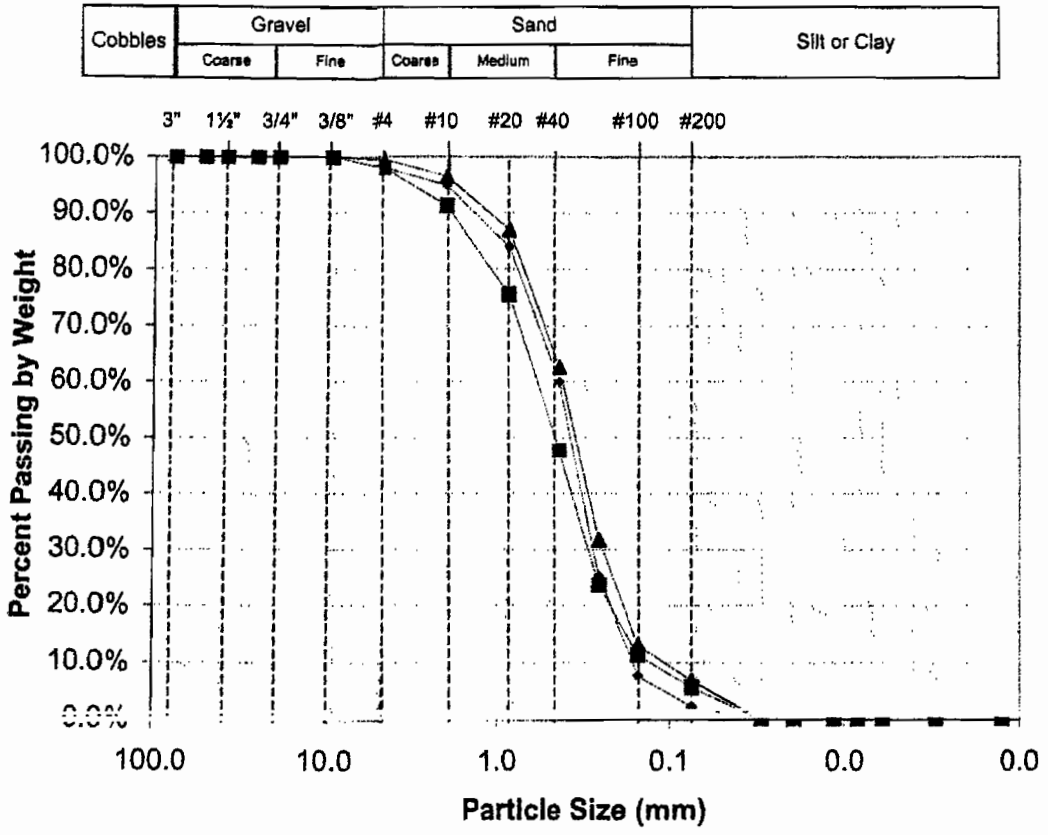
Collection Method:	Grab Sample	*Well Diameters:
Type of Sampler:	Teflon Bailer	2" = 0.0136
Sample Type:	Groundwater from Monitoring Well	3" = 0.0306
Sample Matrix:	Aqueous	4" = 0.0544
Sample Temp.:	15.3°C	5" = 0.0850
Air Temp.:	21.5°C	6" = 0.1224
Weather:	overcast	
pH:	6.52	
Conductivity:	369 µS	
Turbidity:	73.4 NTU	

SOUTH MALL ANALYTICAL LABS, INC.™

Client: Zytel P.C.
Address: 256 Indian Head Rd.
Kings Park, NY 11754
Tel.: 631-544-0092
Fax: 631-544-0113

Project Name: 996 Port Washington
Project Number:
Analysis Numbers: 158154-156
Date Received: 5/14/2004

Particle Size Distribution Report



Symbol	◆	■	▲
Analysis	158154	158155	158156
Sample	1	2	3
Specific Gravity	N/A	N/A	N/A
Depth	N/A	N/A	N/A
% +3"	0%	0%	0%
%Gravel	2%	2%	1%
%Sand	96%	92%	93%
% Fines	2%	6%	7%
%-2um	0%	0%	0%
Cc			
Cu			
LL			
PL			
PI	Non-plastic	Non-plastic	Non-plastic
USCS			
Water Content (%)			

Sieve #	Dia. (mm)	Percent Finer		
3-in.	76.2	100.0%	100.0%	100.0%
2-in.	50.8	100.0%	100.0%	100.0%
1 1/2-in.	38.1	100.0%	100.0%	100.0%
1-in.	25.4	100.0%	100.0%	100.0%
3/4-in.	19.1	100.0%	100.0%	100.0%
3/8-in.	9.53	100.0%	100.0%	100.0%
No. 4	4.75	98.0%	98.0%	99.5%
No. 10	2.00	94.9%	91.2%	96.5%
No.20	0.850	84.0%	75.5%	87.0%
No. 40	0.425	59.8%	47.6%	62.6%
No. 60	0.250	25.2%	23.6%	31.7%
No. 100	0.150	7.7%	11.4%	13.2%
No. 200	0.075	2.3%	5.6%	6.9%
Hydrometer	0.030			
	0.020			
	0.012			
	0.008			
	0.006			
	0.003			
	0.001			

Symbol	
◆	Brown sand
■	Brown sand
▲	Brown sand

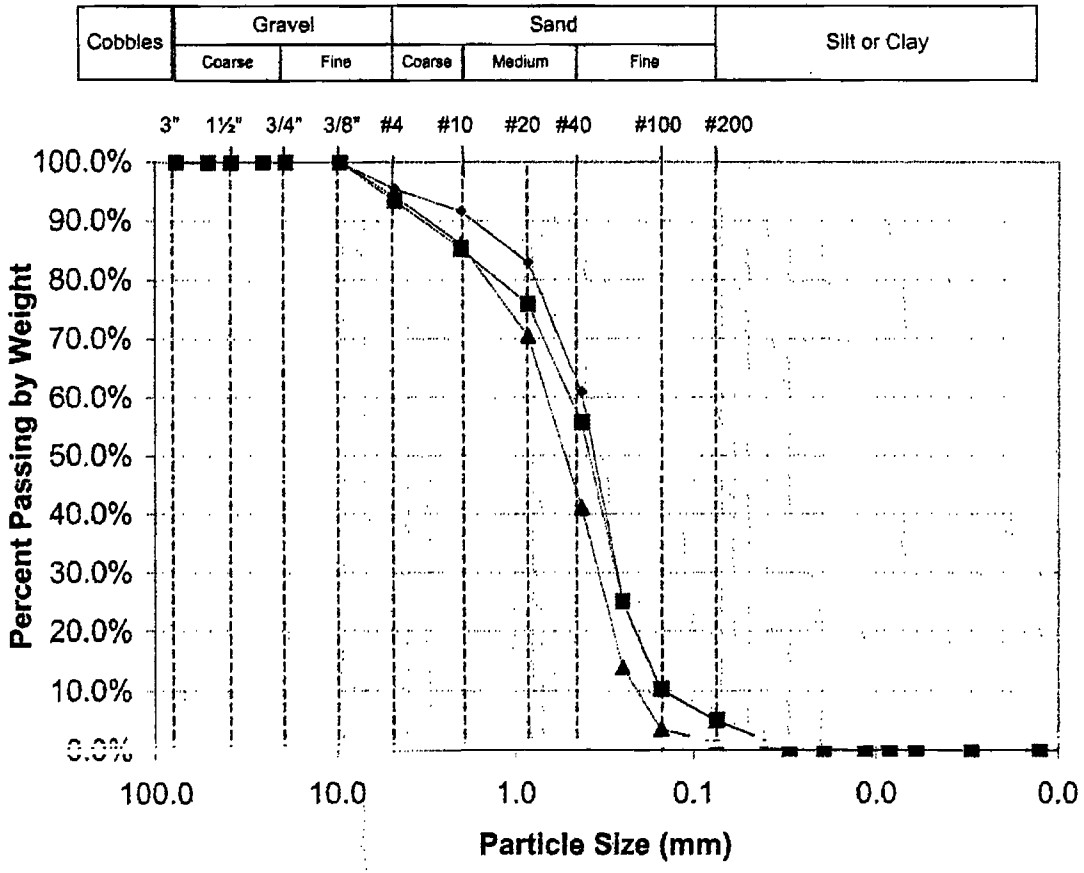
Laboratory Analyst: _____ Date: 5/24/04

SOUTH MALL
ANALYTICAL LABS, INC.™

Address: 256 Indian Head Rd.
Kings Park, NY 11754
Tel.: 631-544-0092
Fax: 631-544-0113

Project Number:
Analysis Numbers: 158157-159
Date Received: 5/14/2004

Particle Size Distribution Report



Symbol	◆	■	▲
Analysis	158157	158158	158159
Sample	4	5	6
Specific Gravity	N/A	N/A	N/A
Depth	N/A	N/A	N/A
% +3"	0%	0%	0%
%Gravel	5%	7%	6%
%Sand	91%	88%	93%
% Fines	5%	5%	1%
%-2um	0%	0%	0%
Cc			
Cu			
LL			
PL			
PI	Non-plastic	Non-plastic	Non-plastic
USCS			
Water Content (%)			

Sieve #	Dia. (mm)	Percent Finer		
3-in.	76.2	100.0%	100.0%	100.0%
2-in.	50.8	100.0%	100.0%	100.0%
1 1/2-in.	38.1	100.0%	100.0%	100.0%
1-in.	25.4	100.0%	100.0%	100.0%
3/4-in.	19.1	100.0%	100.0%	100.0%
3/8-in.	9.53	100.0%	100.0%	100.0%
No. 4	4.75	95.4%	93.4%	94.8%
No. 10	2.00	91.6%	85.3%	86.0%
No.20	0.850	83.0%	75.8%	70.4%
No. 40	0.425	60.9%	55.7%	41.1%
No. 60	0.250	25.2%	25.1%	14.0%
No. 100	0.150	10.1%	10.3%	3.5%
No. 200	0.075	4.9%	4.9%	1.2%
Hydrometer	0.030			
	0.020			
	0.012			
	0.008			
	0.006			
	0.003			
	0.001			

Symbol	
◆	Brown sand
■	Brown sand
▲	Brown sand

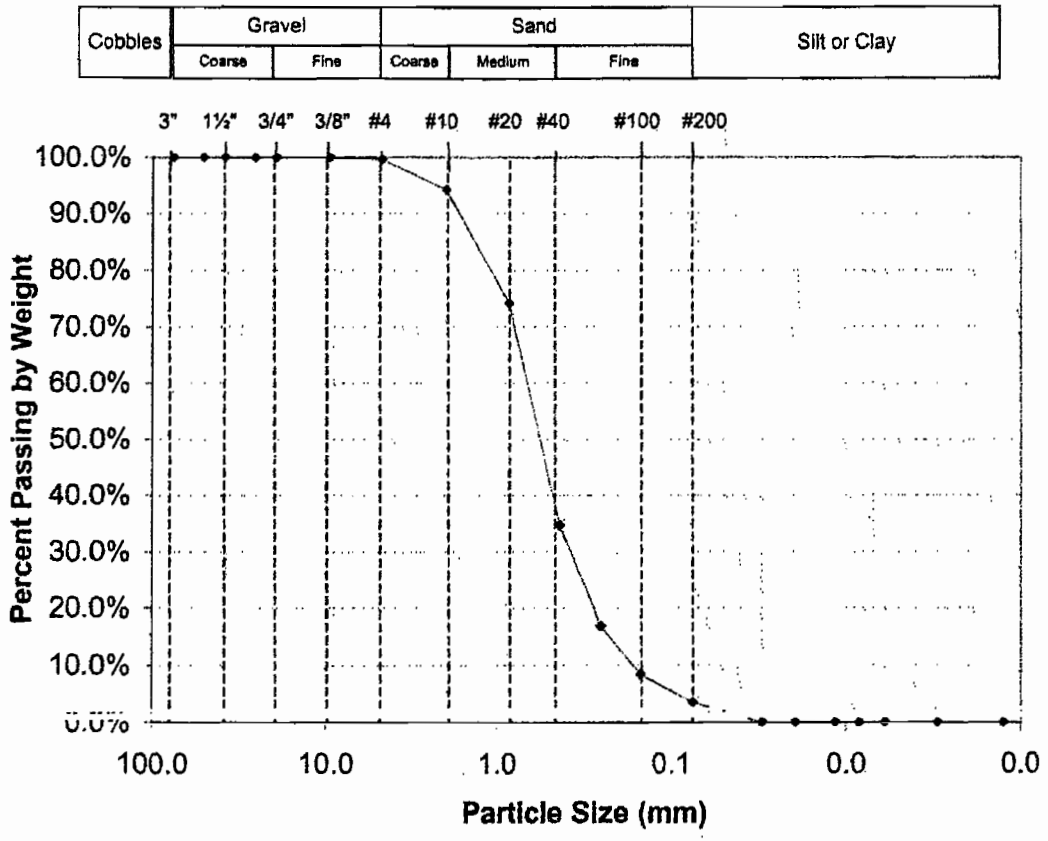
Laboratory Analyst: _____ Date: 5/24/04

SOUTH MALL ANALYTICAL LABS, INC.™

Client: Zytel P.C.
Address: 256 Indian Head Rd.
Kings Park, NY 11754
Tel.: 631-544-0092
Fax: 631-544-0113

Project Name: 996 Port Washington
Project Number:
Analysis Numbers: 158160
Date Received: 5/14/2004

Particle Size Distribution Report



Symbol	◆	■	▲
Analysis	158160		
Sample	4		
Specific Gravity	N/A		
Depth	N/A		
% +3"	0%		
%Gravel	0%		
%Sand	96%		
% Fines	3%		
%-2um	0%		
Cc			
Cu			
LL			
PL			
PI	Non-plastic		
USCS			
Water Content (%)			

Sieve #	Dia. (mm)	Percent Finer		
3-in.	76.2	100.0%		
2-in.	50.8	100.0%		
1 1/2-in.	38.1	100.0%		
1-in.	25.4	100.0%		
3/4-in.	19.1	100.0%		
3/8-in.	9.53	100.0%		
No. 4	4.75	99.6%		
No. 10	2.00	94.3%		
No.20	0.850	74.2%		
No. 40	0.425	34.7%		
No. 60	0.250	16.9%		
No. 100	0.150	8.4%		
No. 200	0.075	3.4%		
Hydrometer	0.030			
	0.020			
	0.012			
	0.008			
	0.006			
	0.003			
	0.001			

Symbol	
◆	Brown sand
■	
▲	

Laboratory Analyst: _____ Date: 5/24/04

Zytel Data Summary

#1 (158154)

+4	1.13 g	1.98%
+10/-4	1.816 g	3.17%
-10/+20	6.206 g	10.83%
-20/+40	13.853 g	24.18%
-40/+60	19.830 g	34.62%
-60/+100	10.06 g	17.56%
-100/+200	3.09 g	5.39%
-200	1.294 g	2.26%
		99.99%

#2 (158155)

+4	1.02 g	2.00%
+10/-4	3.47 g	6.79%
-10/+20	8.03 g	15.71%
-20/+40	14.28 g	27.93%
-40/+60	12.27 g	24.00%
-60/+100	6.23 g	12.19%
-100/+200	2.944 g	5.76%
-200	2.88 g	5.63%
		100.01%

#3 158156

+4	0.257 g	0.51%
-4/+10	1.50 g	2.97%
-10/+20	4.80 g	9.49%
-20/+40	12.38 g	24.48%
-40/+60	15.61 g	30.86%
-60/+100	9.38 g	18.54%
-100/+200	3.19 g	7.71%
-200	3.47 g	6.86%

#4 (158157)

+4	2.59g	4.53%
-4/+10	2.17g	3.79%
-10/+20	4.90g	8.56%
-20/+40	12.52g	21.88%
-40/+60	20.22g	35.33%
-60/+100	8.56g	14.96%
-100/+200	2.94g	5.14%
-200	~~2.76~~ 2.76g	4.82%
		99.01%

#5 (158158)

+4	3.18g	6.58%
-4/+10	3.92g	8.11%
-10/+20	4.58g	9.48%
-20/+40	9.74g	20.15%
~~-60/+100~~	~~14.89g~~	
~~-100/+200~~	~~7.14g~~	
~~+200~~		
-40/+60	14.80g	30.62%
-60/+100	7.14g	14.77%
-100/+200	2.58g	5.34%
-200	2.39g	4.95%

#6 (158159)

+4	3.37g	5.83%
-4/+10	4.71g	8.15%
-10/+20	9.01g	15.59%
-20/+40	16.97g	29.36%
-40/+60	15.62g	27.02%
-60/+100	6.11g	10.57%
-100/+200	1.28g	2.21%
-200	0.72g	1.25%

#1 (158160)

+4	0.21 g	0.40 %
-4/+10	2.93 g	5.35 %
-10/+20	11.00 g	20.08 %
-20/+40	21.64 g	39.50 %
-40/+60	9.73 g	17.76 %
-60/+100	4.66 g	8.51 %
-100/+200	2.73 g	4.98 %
-200	1.87 g	3.41 %

APPENDIX D

MONITORING WELL GROUNDWATER LABORATORY TESTING RESULTS

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Website: www.SouthMallLabs.com

January 13, 2004

Zytel P.C.
265 Indian Head Road
Kings Park, NY 11754

Att.: Mr. Russell Furia

Sample Description:	Wastewater - #1
Sample Collected By:	Zytel P.C.
Purchase Order Number:	966
Date Samples Received:	1/3/04
Analysis Number:	151859

Analyte	Results	Method
Dichlorodifluoromethane, µg/kg	<1.00	8260[1]
Chloromethane, µg/kg	<5.00	8260[1]
Vinyl chloride, µg/kg	<5.00	8260[1]
Bromomethane, µg/kg	<5.00	8260[1]
Chloroethane, µg/kg	<5.00	8260[1]
Trichlorofluoromethane, µg/kg	<1.00	8260[1]
1,1-Dichloroethene, µg/kg	<1.00	8260[1]
Methylene chloride, µg/kg	<1.00	8260[1]
trans-1,2-Dichloroethene, µg/kg	<5.00	8260[1]
1,1-Dichloroethane, µg/kg	<1.00	8260[1]
2,2-Dichloropropane, µg/kg	<5.00	8260[1]
cis-1,2-Dichloroethene, µg/kg	<5.00	8260[1]
Bromochloromethane, µg/kg	<1.00	8260[1]
Chloroform, µg/kg	<1.00	8260[1]
1,1,1-Trichloroethane, µg/kg	<1.00	8260[1]
Carbon tetrachloride, µg/kg	<5.00	8260[1]
1,1-Dichloropropene, µg/kg	<1.00	8260[1]
Benzene, µg/kg	<1.00	8260[1]
1,2-Dichloroethane, µg/kg	<1.00	8260[1]
Trichloroethene, µg/kg	<1.00	8260[1]
1,2-Dichloropropane, µg/kg	<1.00	8260[1]
Dibromomethane, µg/kg	<1.00	8260[1]
Bromodichloromethane, µg/kg	<1.00	8260[1]
cis-1,3-Dichloropropene, µg/kg	<1.00	8260[1]
Toluene, µg/kg	<1.00	8260[1]
trans-1,3-Dichloropropene, µg/kg	<1.00	8260[1]
1,1,2-Trichloroethane, µg/kg	<5.00	8260[1]
Tetrachloroethene, µg/kg	139.	8260[1]
1,3-Dichloropropane, µg/kg	<1.00	8260[1]
Dibromochloromethane, µg/kg	<1.00	8260[1]
1,2-Dibromoethane, µg/kg	<1.00	8260[1]
Chlorobenzene, µg/kg	<1.00	8260[1]

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Ref. 151859

Analyte	Results	Method
1,1,1,2-Tetrachloroethane, µg/kg	<1.00	8260[1]
Ethylbenzene, µg/kg	<1.00	8260[1]
o-Xylene, µg/kg	<1.00	8260[1]
m,p-Xylene, µg/kg	<1.00	8260[1]
Styrene, µg/kg	<1.00	8260[1]
Bromoform, µg/kg	<1.00	8260[1]
Isopropylbenzene, µg/kg	<1.00	8260[1]
Bromobenzene, µg/kg	<1.00	8260[1]
1,1,2,2-Tetrachloroethane, µg/kg	<1.00	8260[1]
1,2,3-Trichloropropane, µg/kg	<5.00	8260[1]
n-Propylbenzene, µg/kg	<1.00	8260[1]
2-Chlorotoluene, µg/kg	<1.00	8260[1]
4-Chlorotoluene, µg/kg	<5.00	8260[1]
1,3,5-Trimethylbenzene, µg/kg	<5.00	8260[1]
tert-Butylbenzene, µg/kg	<5.00	8260[1]
1,2,4-Trimethylbenzene, µg/kg	<1.00	8260[1]
sec-Butylbenzene, µg/kg	<1.00	8260[1]
1,3-Dichlorobenzene, µg/kg	<1.00	8260[1]
4-Isopropyltoluene, µg/kg	<1.00	8260[1]
1,4-Dichlorobenzene, µg/kg	<1.00	8260[1]
1,2-Dichlorobenzene, µg/kg	<1.00	8260[1]
n-Butylbenzene, µg/kg	<1.00	8260[1]
1,2-Dibromo-3-chloropropane, µg/kg	<5.00	8260[1]
1,2,4-Trichlorobenzene, µg/kg	<5.00	8260[1]
Hexachlorobutadiene, µg/kg	<1.00	8260[1]
Naphthalene, µg/kg	<5.00	8260[1]
1,2,3-Trichlorobenzene, µg/kg	<5.00	8260[1]
Methyl-t-butyl ether, µg/kg	<1.00	8260[1]

[1]*EPA SW 846*, 3rd edition

New York State ELAP Laboratory Identification #10950/EPA Laboratory Identification #NY01292

Laboratory Director: _____
Joseph P. Shaulys

JPS:el

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Website: www.SouthMallLabs.com

January 13, 2004

Zytel P.C.
265 Indian Head Road
Kings Park, NY 11754

Att.: Mr. Russell Furia

Sample Description:	Wastewater - #2
Sample Collected By:	Zytel P.C.
Purchase Order Number:	966
Date Samples Received:	1/3/04
Analysis Number:	151860

Analyte	Results	Method
Dichlorodifluoromethane, µg/kg	<1.00	8260[1]
Chloromethane, µg/kg	<5.00	8260[1]
Vinyl chloride, µg/kg	<5.00	8260[1]
Bromomethane, µg/kg	<5.00	8260[1]
Chloroethane, µg/kg	<5.00	8260[1]
Trichlorofluoromethane, µg/kg	<1.00	8260[1]
1,1-Dichloroethene, µg/kg	<1.00	8260[1]
Methylene chloride, µg/kg	<1.00	8260[1]
trans-1,2-Dichloroethene, µg/kg	<5.00	8260[1]
1,1-Dichloroethane, µg/kg	<1.00	8260[1]
2,2-Dichloropropane, µg/kg	<5.00	8260[1]
cis-1,2-Dichloroethene, µg/kg	<5.00	8260[1]
Bromochloromethane, µg/kg	<1.00	8260[1]
Chloroform, µg/kg	<1.00	8260[1]
1,1,1-Trichloroethane, µg/kg	<1.00	8260[1]
Carbon tetrachloride, µg/kg	<5.00	8260[1]
1,1-Dichloropropene, µg/kg	<1.00	8260[1]
Benzene, µg/kg	<1.00	8260[1]
1,2-Dichloroethane, µg/kg	<1.00	8260[1]
Trichloroethene, µg/kg	<1.00	8260[1]
1,2-Dichloropropane, µg/kg	<1.00	8260[1]
Dibromomethane, µg/kg	<1.00	8260[1]
Bromodichloromethane, µg/kg	<1.00	8260[1]
cis-1,3-Dichloropropene, µg/kg	<1.00	8260[1]
Toluene, µg/kg	<1.00	8260[1]
trans-1,3-Dichloropropene, µg/kg	<1.00	8260[1]
1,1,2-Trichloroethane, µg/kg	<5.00	8260[1]
Tetrachloroethene, µg/kg	212.	8260[1]
1,3-Dichloropropane, µg/kg	<1.00	8260[1]
Dibromochloromethane, µg/kg	<1.00	8260[1]
1,2-Dibromoethane, µg/kg	<1.00	8260[1]
Chlorobenzene, µg/kg	<1.00	8260[1]

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Ref. 151860

Analyte	Results	Method
1,1,1,2-Tetrachloroethane, µg/kg	<1.00	8260[1]
Ethylbenzene, µg/kg	<1.00	8260[1]
o-Xylene, µg/kg	<1.00	8260[1]
m,p-Xylene, µg/kg	<1.00	8260[1]
Styrene, µg/kg	<1.00	8260[1]
Bromoform, µg/kg	<1.00	8260[1]
Isopropylbenzene, µg/kg	<1.00	8260[1]
Bromobenzene, µg/kg	<1.00	8260[1]
1,1,2,2-Tetrachloroethane, µg/kg	<1.00	8260[1]
1,2,3-Trichloropropane, µg/kg	<5.00	8260[1]
n-Propylbenzene, µg/kg	<1.00	8260[1]
2-Chlorotoluene, µg/kg	<1.00	8260[1]
4-Chlorotoluene, µg/kg	<5.00	8260[1]
1,3,5-Trimethylbenzene, µg/kg	<5.00	8260[1]
tert-Butylbenzene, µg/kg	<5.00	8260[1]
1,2,4-Trimethylbenzene, µg/kg	<1.00	8260[1]
sec-Butylbenzene, µg/kg	<1.00	8260[1]
1,3-Dichlorobenzene, µg/kg	<1.00	8260[1]
4-Isopropyltoluene, µg/kg	<1.00	8260[1]
1,4-Dichlorobenzene, µg/kg	<1.00	8260[1]
1,2-Dichlorobenzene, µg/kg	<1.00	8260[1]
n-Butylbenzene, µg/kg	<1.00	8260[1]
1,2-Dibromo-3-chloropropane, µg/kg	<5.00	8260[1]
1,2,4-Trichlorobenzene, µg/kg	<5.00	8260[1]
Hexachlorobutadiene, µg/kg	<1.00	8260[1]
Naphthalene, µg/kg	<5.00	8260[1]
1,2,3-Trichlorobenzene, µg/kg	<5.00	8260[1]
Methyl-t-butyl ether, µg/kg	<1.00	8260[1]

[1]*EPA SW 846*, 3rd edition

New York State ELAP Laboratory Identification #10950/EPA Laboratory Identification #NY01292

Laboratory Director: Joseph P. Shaulys

JPS:el

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Website: www.SouthMallLabs.com

January 13, 2004

Zytel P.C.
265 Indian Head Road
Kings Park, NY 11754

Att.: Mr. Russell Furia

Sample Description:	Wastewater - #3
Sample Collected By:	Zytel P.C.
Purchase Order Number:	966
Date Samples Received:	1/3/04
Analysis Number:	151861

Analyte	Results	Method
Dichlorodifluoromethane, µg/kg	<1.00	8260[1]
Chloromethane, µg/kg	<5.00	8260[1]
Vinyl chloride, µg/kg	<5.00	8260[1]
Bromomethane, µg/kg	<5.00	8260[1]
Chloroethane, µg/kg	<5.00	8260[1]
Trichlorofluoromethane, µg/kg	<1.00	8260[1]
1,1-Dichloroethene, µg/kg	<1.00	8260[1]
Methylene chloride, µg/kg	<1.00	8260[1]
trans-1,2-Dichloroethene, µg/kg	<5.00	8260[1]
1,1-Dichloroethane, µg/kg	<1.00	8260[1]
2,2-Dichloropropane, µg/kg	<5.00	8260[1]
cis-1,2-Dichloroethene, µg/kg	<5.00	8260[1]
Bromochloromethane, µg/kg	<1.00	8260[1]
Chloroform, µg/kg	<1.00	8260[1]
1,1,1-Trichloroethane, µg/kg	<1.00	8260[1]
Carbon tetrachloride, µg/kg	<5.00	8260[1]
1,1-Dichloropropene, µg/kg	<1.00	8260[1]
Benzene, µg/kg	<1.00	8260[1]
1,2-Dichloroethane, µg/kg	<1.00	8260[1]
Trichloroethene, µg/kg	<1.00	8260[1]
1,2-Dichloropropane, µg/kg	<1.00	8260[1]
Dibromomethane, µg/kg	<1.00	8260[1]
Bromodichloromethane, µg/kg	<1.00	8260[1]
cis-1,3-Dichloropropene, µg/kg	<1.00	8260[1]
Toluene, µg/kg	<1.00	8260[1]
trans-1,3-Dichloropropene, µg/kg	<1.00	8260[1]
1,1,2-Trichloroethane, µg/kg	<5.00	8260[1]
Tetrachloroethene, µg/kg	45.4	8260[1]
1,3-Dichloropropane, µg/kg	<1.00	8260[1]
Dibromochloromethane, µg/kg	<1.00	8260[1]
1,2-Dibromoethane, µg/kg	<1.00	8260[1]
Chlorobenzene, µg/kg	<1.00	8260[1]

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Ref. 151861

Analyte	Results	Method
1,1,1,2-Tetrachloroethane, µg/kg	<1.00	8260[1]
Ethylbenzene, µg/kg	<1.00	8260[1]
o-Xylene, µg/kg	<1.00	8260[1]
m,p-Xylene, µg/kg	<1.00	8260[1]
Styrene, µg/kg	<1.00	8260[1]
Bromoform, µg/kg	<1.00	8260[1]
Isopropylbenzene, µg/kg	<1.00	8260[1]
Bromobenzene, µg/kg	<1.00	8260[1]
1,1,2,2-Tetrachloroethane, µg/kg	<1.00	8260[1]
1,2,3-Trichloropropane, µg/kg	<5.00	8260[1]
n-Propylbenzene, µg/kg	<1.00	8260[1]
2-Chlorotoluene, µg/kg	<1.00	8260[1]
4-Chlorotoluene, µg/kg	<5.00	8260[1]
1,3,5-Trimethylbenzene, µg/kg	<5.00	8260[1]
tert-Butylbenzene, µg/kg	<5.00	8260[1]
1,2,4-Trimethylbenzene, µg/kg	<1.00	8260[1]
sec-Butylbenzene, µg/kg	<1.00	8260[1]
1,3-Dichlorobenzene, µg/kg	<1.00	8260[1]
4-Isopropyltoluene, µg/kg	<1.00	8260[1]
1,4-Dichlorobenzene, µg/kg	<1.00	8260[1]
1,2-Dichlorobenzene, µg/kg	<1.00	8260[1]
n-Butylbenzene, µg/kg	<1.00	8260[1]
1,2-Dibromo-3-chloropropane, µg/kg	<5.00	8260[1]
1,2,4-Trichlorobenzene, µg/kg	<5.00	8260[1]
Hexachlorobutadiene, µg/kg	<1.00	8260[1]
Naphthalene, µg/kg	<5.00	8260[1]
1,2,3-Trichlorobenzene, µg/kg	<5.00	8260[1]
Methyl-t-butyl ether, µg/kg	<1.00	8260[1]

[1]*EPA SW 846*, 3rd edition

New York State ELAP Laboratory Identification #10950/EPA Laboratory Identification #NY01292

Laboratory Director: Joseph P. Shaulys

JPS:el

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Website: www.SouthMallLabs.com

January 13, 2004

Zytel P.C.
265 Indian Head Road
Kings Park, NY 11754

Att.: Mr. Russell Furia

Sample Description:	Wastewater - #4
Sample Collected By:	Zytel P.C.
Purchase Order Number:	966
Date Samples Received:	1/3/04
Analysis Number:	151862

Analyte	Results	Method
Dichlorodifluoromethane, µg/kg	<1.00	8260[1]
Chloromethane, µg/kg	<5.00	8260[1]
Vinyl chloride, µg/kg	<5.00	8260[1]
Bromomethane, µg/kg	<5.00	8260[1]
Chloroethane, µg/kg	<5.00	8260[1]
Trichlorofluoromethane, µg/kg	<1.00	8260[1]
1,1-Dichloroethene, µg/kg	<1.00	8260[1]
Methylene chloride, µg/kg	<1.00	8260[1]
trans-1,2-Dichloroethene, µg/kg	<5.00	8260[1]
1,1-Dichloroethane, µg/kg	<1.00	8260[1]
2,2-Dichloropropane, µg/kg	<5.00	8260[1]
cis-1,2-Dichloroethene, µg/kg	<5.00	8260[1]
Bromochloromethane, µg/kg	<1.00	8260[1]
Chloroform, µg/kg	<1.00	8260[1]
1,1,1-Trichloroethane, µg/kg	<1.00	8260[1]
Carbon tetrachloride, µg/kg	<5.00	8260[1]
1,1-Dichloropropene, µg/kg	<1.00	8260[1]
Benzene, µg/kg	<1.00	8260[1]
1,2-Dichloroethane, µg/kg	<1.00	8260[1]
Trichloroethene, µg/kg	<1.00	8260[1]
1,2-Dichloropropane, µg/kg	<1.00	8260[1]
Dibromomethane, µg/kg	<1.00	8260[1]
Bromodichloromethane, µg/kg	<1.00	8260[1]
cis-1,3-Dichloropropene, µg/kg	<1.00	8260[1]
Toluene, µg/kg	<1.00	8260[1]
trans-1,3-Dichloropropene, µg/kg	<1.00	8260[1]
1,1,2-Trichloroethane, µg/kg	<5.00	8260[1]
Tetrachloroethene, µg/kg	69.6	8260[1]
1,3-Dichloropropane, µg/kg	<1.00	8260[1]
Dibromochloromethane, µg/kg	<1.00	8260[1]
1,2-Dibromoethane, µg/kg	<1.00	8260[1]
Chlorobenzene, µg/kg	<1.00	8260[1]

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Ref. 151862

Analyte	Results	Method
1,1,1,2-Tetrachloroethane, µg/kg	<1.00	8260[1]
Ethylbenzene, µg/kg	<1.00	8260[1]
o-Xylene, µg/kg	<1.00	8260[1]
m,p-Xylene, µg/kg	<1.00	8260[1]
Styrene, µg/kg	<1.00	8260[1]
Bromoform, µg/kg	<1.00	8260[1]
Isopropylbenzene, µg/kg	<1.00	8260[1]
Bromobenzene, µg/kg	<1.00	8260[1]
1,1,2,2-Tetrachloroethane, µg/kg	<1.00	8260[1]
1,2,3-Trichloropropane, µg/kg	<5.00	8260[1]
n-Propylbenzene, µg/kg	<1.00	8260[1]
2-Chlorotoluene, µg/kg	<1.00	8260[1]
4-Chlorotoluene, µg/kg	<5.00	8260[1]
1,3,5-Trimethylbenzene, µg/kg	<5.00	8260[1]
tert-Butylbenzene, µg/kg	<5.00	8260[1]
1,2,4-Trimethylbenzene, µg/kg	<1.00	8260[1]
sec-Butylbenzene, µg/kg	<1.00	8260[1]
1,3-Dichlorobenzene, µg/kg	<1.00	8260[1]
4-Isopropyltoluene, µg/kg	<1.00	8260[1]
1,4-Dichlorobenzene, µg/kg	<1.00	8260[1]
1,2-Dichlorobenzene, µg/kg	<1.00	8260[1]
n-Butylbenzene, µg/kg	<1.00	8260[1]
1,2-Dibromo-3-chloropropane, µg/kg	<5.00	8260[1]
1,2,4-Trichlorobenzene, µg/kg	<5.00	8260[1]
Hexachlorobutadiene, µg/kg	<1.00	8260[1]
Naphthalene, µg/kg	<5.00	8260[1]
1,2,3-Trichlorobenzene, µg/kg	<5.00	8260[1]
Methyl-t-butyl ether, µg/kg	<1.00	8260[1]

[1]*EPA SW 846*, 3rd edition

New York State ELAP Laboratory Identification #10950/EPA Laboratory Identification #NY01292

Laboratory Director: Joseph P. Shaulys

JPS:el

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Website: www.SouthMallLabs.com

January 13, 2004

Zytel P.C.
265 Indian Head Road
Kings Park, NY 11754

Att.: Mr. Russell Furia

Sample Description:	Wastewater - #5
Sample Collected By:	Zytel P.C.
Purchase Order Number:	966
Date Samples Received:	1/3/04
Analysis Number:	151863

Analyte	Results	Method
Dichlorodifluoromethane, µg/kg	<1.00	8260[1]
Chloromethane, µg/kg	<5.00	8260[1]
Vinyl chloride, µg/kg	<5.00	8260[1]
Bromomethane, µg/kg	<5.00	8260[1]
Chloroethane, µg/kg	<5.00	8260[1]
Trichlorofluoromethane, µg/kg	<1.00	8260[1]
1,1-Dichloroethene, µg/kg	<1.00	8260[1]
Methylene chloride, µg/kg	<1.00	8260[1]
trans-1,2-Dichloroethene, µg/kg	<5.00	8260[1]
1,1-Dichloroethane, µg/kg	<1.00	8260[1]
2,2-Dichloropropane, µg/kg	<5.00	8260[1]
cis-1,2-Dichloroethene, µg/kg	<5.00	8260[1]
Bromochloromethane, µg/kg	<1.00	8260[1]
Chloroform, µg/kg	<1.00	8260[1]
1,1,1-Trichloroethane, µg/kg	<1.00	8260[1]
Carbon tetrachloride, µg/kg	<5.00	8260[1]
1,1-Dichloropropene, µg/kg	<1.00	8260[1]
Benzene, µg/kg	<1.00	8260[1]
1,2-Dichloroethane, µg/kg	<1.00	8260[1]
Trichloroethene, µg/kg	<1.00	8260[1]
1,2-Dichloropropane, µg/kg	<1.00	8260[1]
Dibromomethane, µg/kg	<1.00	8260[1]
Bromodichloromethane, µg/kg	<1.00	8260[1]
cis-1,3-Dichloropropene, µg/kg	<1.00	8260[1]
Toluene, µg/kg	<1.00	8260[1]
trans-1,3-Dichloropropene, µg/kg	<1.00	8260[1]
1,1,2-Trichloroethane, µg/kg	<5.00	8260[1]
Tetrachloroethene, µg/kg	809.	8260[1]
1,3-Dichloropropane, µg/kg	<1.00	8260[1]
Dibromochloromethane, µg/kg	<1.00	8260[1]
1,2-Dibromoethane, µg/kg	<1.00	8260[1]
Chlorobenzene, µg/kg	<1.00	8260[1]

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Ref. 151863

Analyte	Results	Method
1,1,1,2-Tetrachloroethane, µg/kg	<1.00	8260[1]
Ethylbenzene, µg/kg	<1.00	8260[1]
o-Xylene, µg/kg	<1.00	8260[1]
m,p-Xylene, µg/kg	<1.00	8260[1]
Styrene, µg/kg	<1.00	8260[1]
Bromoform, µg/kg	<1.00	8260[1]
Isopropylbenzene, µg/kg	<1.00	8260[1]
Bromobenzene, µg/kg	<1.00	8260[1]
1,1,2,2-Tetrachloroethane, µg/kg	<1.00	8260[1]
1,2,3-Trichloropropane, µg/kg	<5.00	8260[1]
n-Propylbenzene, µg/kg	<1.00	8260[1]
2-Chlorotoluene, µg/kg	<1.00	8260[1]
4-Chlorotoluene, µg/kg	<5.00	8260[1]
1,3,5-Trimethylbenzene, µg/kg	<5.00	8260[1]
tert-Butylbenzene, µg/kg	<5.00	8260[1]
1,2,4-Trimethylbenzene, µg/kg	<1.00	8260[1]
sec-Butylbenzene, µg/kg	<1.00	8260[1]
1,3-Dichlorobenzene, µg/kg	<1.00	8260[1]
4-Isopropyltoluene, µg/kg	<1.00	8260[1]
1,4-Dichlorobenzene, µg/kg	<1.00	8260[1]
1,2-Dichlorobenzene, µg/kg	<1.00	8260[1]
n-Butylbenzene, µg/kg	<1.00	8260[1]
1,2-Dibromo-3-chloropropane, µg/kg	<5.00	8260[1]
1,2,4-Trichlorobenzene, µg/kg	<5.00	8260[1]
Hexachlorobutadiene, µg/kg	<1.00	8260[1]
Naphthalene, µg/kg	<5.00	8260[1]
1,2,3-Trichlorobenzene, µg/kg	<5.00	8260[1]
Methyl-t-butyl ether, µg/kg	<1.00	8260[1]

[1]*EPA SW 846*, 3rd edition

New York State ELAP Laboratory Identification #10950/EPA Laboratory Identification #NY01292

Laboratory Director: Joseph P. Shaulys

JPS:el

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January 13, 2004

Zytel P.C.
265 Indian Head Road
Kings Park, NY 11754

Att.: Mr. Russell Furia

Sample Description:	Wastewater - #6
Sample Collected By:	Zytel P.C.
Purchase Order Number:	966
Date Samples Received:	1/3/04
Analysis Number:	151864

Analyte	Results	Method
Dichlorodifluoromethane, µg/kg	<1.00	8260[1]
Chloromethane, µg/kg	<5.00	8260[1]
Vinyl chloride, µg/kg	<5.00	8260[1]
Bromomethane, µg/kg	<5.00	8260[1]
Chloroethane, µg/kg	<5.00	8260[1]
Trichlorofluoromethane, µg/kg	<1.00	8260[1]
1,1-Dichloroethene, µg/kg	<1.00	8260[1]
Methylene chloride, µg/kg	<1.00	8260[1]
trans-1,2-Dichloroethene, µg/kg	<5.00	8260[1]
1,1-Dichloroethane, µg/kg	<1.00	8260[1]
2,2-Dichloropropane, µg/kg	<5.00	8260[1]
cis-1,2-Dichloroethene, µg/kg	<5.00	8260[1]
Bromochloromethane, µg/kg	<1.00	8260[1]
Chloroform, µg/kg	<1.00	8260[1]
1,1,1-Trichloroethane, µg/kg	<1.00	8260[1]
Carbon tetrachloride, µg/kg	<5.00	8260[1]
1,1-Dichloropropene, µg/kg	<1.00	8260[1]
Benzene, µg/kg	<1.00	8260[1]
1,2-Dichloroethane, µg/kg	<1.00	8260[1]
Trichloroethene, µg/kg	<1.00	8260[1]
1,2-Dichloropropane, µg/kg	<1.00	8260[1]
Dibromomethane, µg/kg	<1.00	8260[1]
Bromodichloromethane, µg/kg	<1.00	8260[1]
cis-1,3-Dichloropropene, µg/kg	<1.00	8260[1]
Toluene, µg/kg	<1.00	8260[1]
trans-1,3-Dichloropropene, µg/kg	<1.00	8260[1]
1,1,2-Trichloroethane, µg/kg	<5.00	8260[1]
Tetrachloroethene, µg/kg	47.7	8260[1]
1,3-Dichloropropane, µg/kg	<1.00	8260[1]
Dibromochloromethane, µg/kg	<1.00	8260[1]
1,2-Dibromoethane, µg/kg	<1.00	8260[1]
Chlorobenzene, µg/kg	<1.00	8260[1]

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Ref. 151864

Analyte	Results	Method
1,1,1,2-Tetrachloroethane, µg/kg	<1.00	8260[1]
Ethylbenzene, µg/kg	<1.00	8260[1]
o-Xylene, µg/kg	<1.00	8260[1]
m,p-Xylene, µg/kg	<1.00	8260[1]
Styrene, µg/kg	<1.00	8260[1]
Bromoform, µg/kg	<1.00	8260[1]
Isopropylbenzene, µg/kg	<1.00	8260[1]
Bromobenzene, µg/kg	<1.00	8260[1]
1,1,2,2-Tetrachloroethane, µg/kg	<1.00	8260[1]
1,2,3-Trichloropropane, µg/kg	<5.00	8260[1]
n-Propylbenzene, µg/kg	<1.00	8260[1]
2-Chlorotoluene, µg/kg	<1.00	8260[1]
4-Chlorotoluene, µg/kg	<5.00	8260[1]
1,3,5-Trimethylbenzene, µg/kg	<5.00	8260[1]
tert-Butylbenzene, µg/kg	<5.00	8260[1]
1,2,4-Trimethylbenzene, µg/kg	<1.00	8260[1]
sec-Butylbenzene, µg/kg	<1.00	8260[1]
1,3-Dichlorobenzene, µg/kg	<1.00	8260[1]
4-Isopropyltoluene, µg/kg	<1.00	8260[1]
1,4-Dichlorobenzene, µg/kg	<1.00	8260[1]
1,2-Dichlorobenzene, µg/kg	<1.00	8260[1]
n-Butylbenzene, µg/kg	<1.00	8260[1]
1,2-Dibromo-3-chloropropane, µg/kg	<5.00	8260[1]
1,2,4-Trichlorobenzene, µg/kg	<5.00	8260[1]
Hexachlorobutadiene, µg/kg	<1.00	8260[1]
Naphthalene, µg/kg	<5.00	8260[1]
1,2,3-Trichlorobenzene, µg/kg	<5.00	8260[1]
Methyl-t-butyl ether, µg/kg	<1.00	8260[1]

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New York State ELAP Laboratory Identification #10950/EPA Laboratory Identification #NY01292

Laboratory Director: Joseph P. Shaulys

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January 13, 2004

Zytel P.C.
265 Indian Head Road
Kings Park, NY 11754

Att.: Mr. Russell Furia

Sample Description:	Wastewater - #7
Sample Collected By:	Zytel P.C.
Purchase Order Number:	966
Date Samples Received:	1/3/04
Analysis Number:	151865

Analyte	Results	Method
Dichlorodifluoromethane, µg/kg	<1.00	8260[1]
Chloromethane, µg/kg	<5.00	8260[1]
Vinyl chloride, µg/kg	<5.00	8260[1]
Bromomethane, µg/kg	<5.00	8260[1]
Chloroethane, µg/kg	<5.00	8260[1]
Trichlorofluoromethane, µg/kg	<1.00	8260[1]
1,1-Dichloroethene, µg/kg	<1.00	8260[1]
Methylene chloride, µg/kg	<1.00	8260[1]
trans-1,2-Dichloroethene, µg/kg	<5.00	8260[1]
1,1-Dichloroethane, µg/kg	<1.00	8260[1]
2,2-Dichloropropane, µg/kg	<5.00	8260[1]
cis-1,2-Dichloroethene, µg/kg	<5.00	8260[1]
Bromochloromethane, µg/kg	<1.00	8260[1]
Chloroform, µg/kg	<1.00	8260[1]
1,1,1-Trichloroethane, µg/kg	<1.00	8260[1]
Carbon tetrachloride, µg/kg	<5.00	8260[1]
1,1-Dichloropropene, µg/kg	<1.00	8260[1]
Benzene, µg/kg	<1.00	8260[1]
1,2-Dichloroethane, µg/kg	<1.00	8260[1]
Trichloroethene, µg/kg	<1.00	8260[1]
1,2-Dichloropropane, µg/kg	<1.00	8260[1]
Dibromomethane, µg/kg	<1.00	8260[1]
Bromodichloromethane, µg/kg	<1.00	8260[1]
cis-1,3-Dichloropropene, µg/kg	<1.00	8260[1]
Toluene, µg/kg	<1.00	8260[1]
trans-1,3-Dichloropropene, µg/kg	<1.00	8260[1]
1,1,2-Trichloroethane, µg/kg	<5.00	8260[1]
Tetrachloroethene, µg/kg	146.	8260[1]
1,3-Dichloropropane, µg/kg	<1.00	8260[1]
Dibromochloromethane, µg/kg	<1.00	8260[1]
1,2-Dibromoethane, µg/kg	<1.00	8260[1]
Chlorobenzene, µg/kg	<1.00	8260[1]

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Analyte	Results	Method
1,1,1,2-Tetrachloroethane, µg/kg	<1.00	8260[1]
Ethylbenzene, µg/kg	<1.00	8260[1]
o-Xylene, µg/kg	<1.00	8260[1]
m,p-Xylene, µg/kg	<1.00	8260[1]
Styrene, µg/kg	<1.00	8260[1]
Bromoform, µg/kg	<1.00	8260[1]
Isopropylbenzene, µg/kg	<1.00	8260[1]
Bromobenzene, µg/kg	<1.00	8260[1]
1,1,2,2-Tetrachloroethane, µg/kg	<1.00	8260[1]
1,2,3-Trichloropropane, µg/kg	<5.00	8260[1]
n-Propylbenzene, µg/kg	<1.00	8260[1]
2-Chlorotoluene, µg/kg	<1.00	8260[1]
4-Chlorotoluene, µg/kg	<5.00	8260[1]
1,3,5-Trimethylbenzene, µg/kg	<5.00	8260[1]
tert-Butylbenzene, µg/kg	<5.00	8260[1]
1,2,4-Trimethylbenzene, µg/kg	<1.00	8260[1]
sec-Butylbenzene, µg/kg	<1.00	8260[1]
1,3-Dichlorobenzene, µg/kg	<1.00	8260[1]
4-Isopropyltoluene, µg/kg	<1.00	8260[1]
1,4-Dichlorobenzene, µg/kg	<1.00	8260[1]
1,2-Dichlorobenzene, µg/kg	<1.00	8260[1]
n-Butylbenzene, µg/kg	<1.00	8260[1]
1,2-Dibromo-3-chloropropane, µg/kg	<5.00	8260[1]
1,2,4-Trichlorobenzene, µg/kg	<5.00	8260[1]
Hexachlorobutadiene, µg/kg	<1.00	8260[1]
Naphthalene, µg/kg	<5.00	8260[1]
1,2,3-Trichlorobenzene, µg/kg	<5.00	8260[1]
Methyl-t-butyl ether, µg/kg	<1.00	8260[1]

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