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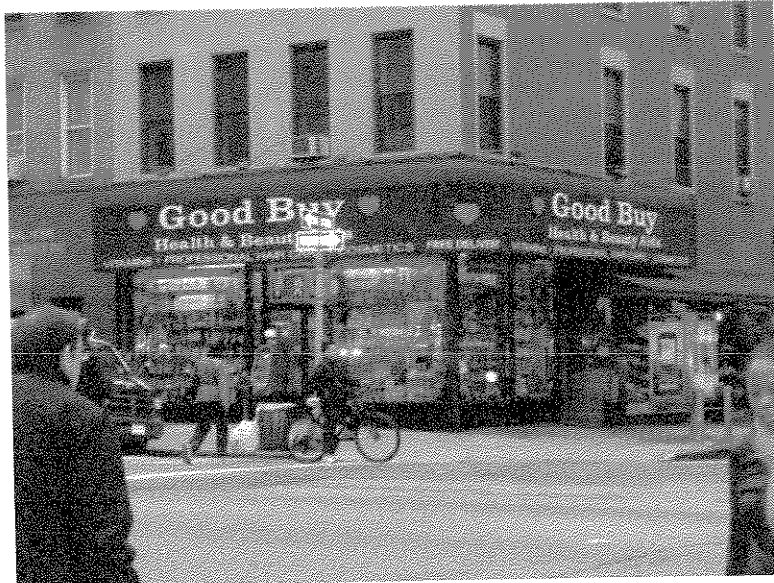
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## GROUNDWATER INVESTIGATION REPORT

1299 1<sup>st</sup> Avenue  
New York, New York 10021



### Prepared For:

45-45 LLC  
27-15 27<sup>th</sup> Street  
Astoria, New York 11102

### Prepared On:

July 23<sup>rd</sup>, 2010

**Hydro Tech Job No. 100149**

**GROUNDWATER  
INVESTIGATION REPORT**

**1299 1<sup>st</sup> Avenue  
New York, New York 10021**

**July 23<sup>rd</sup>, 2010**

Hydro Tech Environmental Corp. appreciates the opportunity to work for 45-45 LLC at the property located at 1299 1<sup>st</sup> Avenue in Manhattan, New York.

Should you require any additional information or have any comments regarding the contents of this report, please feel free to contact our office at your convenience.

Very Truly Yours,  
**Hydro Tech Environmental, Corp.**



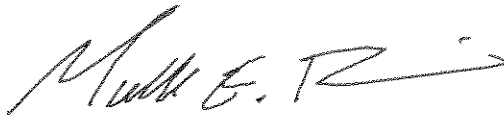
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## **1.0 EXECUTIVE SUMMARY**

Hydro Tech Environmental Corp. (Hydro Tech) has performed a Groundwater Investigation at the property located at 1299 1<sup>st</sup> Avenue in Manhattan, New York. The Groundwater Investigation was performed on behalf of 45-45 LLC.

The scope of work during the Groundwater Investigation included the reinstallation and sampling of two (2) off-site monitoring wells (MW-5 and MW-6). During the investigation, select groundwater samples were transported to a New York State certified laboratory and analyzed for petroleum range Volatile Organic Compounds (VOCs) in accordance with EPA Method 8260 (including chlorinated solvents).

The results of the investigation are contained in this report. The groundwater flow direction is toward the northeast. The monitoring wells at the Site are installed to the top of the bedrock. The water table appears to follow the bedrock elevation, suggesting it is probably perched on top of the bedrock.

Total chlorinated solvent concentrations exceeding 3,500 µg/L have been identified in groundwater beneath the central portion of the basement. The total chlorinated solvent concentrations then decrease significantly downgradient to the northeast of the site. No chlorinated solvents were detected in the groundwater cross gradient of the property.

No effort has been made to perform any investigation beyond what is included in this report. The observations included herein summarize the results of the investigation up to the date of the fieldwork and the date of this report.

The following sections provide the details and specific information pertaining to the various components of the subsurface investigation.

## 2.0 INTRODUCTION

Hydro Tech Environmental Corp. (Hydro Tech) has been retained by 45-45 LLC to perform a Groundwater Investigation at the property located at 1299 1<sup>st</sup> Avenue in Manhattan, New York (hereafter referred to as "**the Site**").

### 2.1 Site Description

The Site is situated in the western quadrant of the intersection of East 70<sup>th</sup> Street and 1<sup>st</sup> Avenue in the Borough of Manhattan, New York. The vicinity of the Site consists of residential and commercial properties. The Site is defined as 1299 1<sup>st</sup> Avenue and is identified as Block 1444, Lot 30.

The Site is approximately 1,957 square feet in area and is developed with a 4-story mixed use commercial/residential building. The first floor of the building is utilized as a convenience store. The basement is divided into two (2) sections, both of which are used for storage. The height of the basement is approximately 6 feet, with the ground surface of the basement mostly covered by shelves and boxes. The main access to the Site is via the east along 1<sup>st</sup> Avenue.

The Site is connected to the New York City sewer system, water, electric and gas services. The utilities enter the property via 1<sup>st</sup> Avenue, east of the property. The topography of the Site and its vicinity is generally level. **Figure 1** provides a Site Plan.

### 2.2 Site History

Hydro Tech performed a Groundwater Investigation at the property in March 2010. Five (5) monitoring wells, designated MW-1 through MW-4 and MW-7, were installed. **Figure 1** also provides the locations of these wells. Attempts to install 2 other wells, originally to be designated MW-5 and MW-6, encountered refusal at shallow depths before the water table was encountered and therefore were not completed. The remaining wells, with the exception of MW-3 (dry), MW-5 and MW-6, were sampled and analyzed for VOCs including chlorinated solvents. The analytical results of the sampled wells are incorporated in this report.

### 2.3 Environmental Setting

The Site is located in the Borough of Manhattan, New York. The elevation of the Site is approximately 50 feet above mean sea level (USGS 7 ½ Minute, New York Quadrangle, 1969, Photorevised 1995).

The vicinity of the Site is characterized by metamorphosed sequences of bedrock known as the Manhattan Prong of the Hartland Formation. The Hartland Formation was formed during the late Cambrian to early Ordovician period and consists of undivided pelitic schist with gneiss and amphibolite. The formation is frequently cross cut by transverse and parallel faults. The area is overlain by Pleistocene aged glacial till deposits. Outcrops of bedrock are commonplace in the Borough of Manhattan, as can be seen in Central Park.

The regional groundwater flow direction in the vicinity of the Site is toward the east-northeast, in the direction of the East River. The depth to water at the Site ranges between 15 and 16 feet below grade.

### 2.4 Objective & Project Goals

The scope of work was intended to assess the extent of groundwater impact from historical on-site dry cleaning operations. This was accomplished through the reinstallation and sampling of two (2) monitoring wells (MW-5A and MW-6A).

All related portions of the field work were performed in accordance with acceptable industry standards. These acceptable industry standards include, but are not limited to, the ASTM Standard Guide for Subsurface Investigation (E 1903-97), the New York State Department of Environmental Conservation Bureau of Spill Prevention & Response Sampling Guidelines and Protocols, March 1991, and Draft DER-10 Technical Guidance for Site Investigation and Remediation, December 2002.

### 3.0 FIELD WORK

#### 3.1 Introduction

The field portion of the investigation consisted of the reinstallation and sampling of two (2) monitoring wells (MW-5A and MW-6A). All field work was performed under the direct guidance and oversight of a Hydro Tech Geologist and under the supervision of a Hydro Tech Project Manager.

Prior to the performance of the field work, an NYC One-Call Public Utility Mark-out was requested. Confirmation #101731126 was issued to the mark-out. **Appendix B** contains photographs of the field work.

#### 3.2 Monitoring Wells

Two (2) monitoring wells, designated as MW-5A and MW-6A, were installed during the investigation in the vicinity of MW-5 and MW-6, respectively. MW-5A and MW-6A were installed utilizing a CME 75 Ford F800 drill rig. The machine installs monitoring wells utilizing a rotary drill bit. The screened portion of each well has a slot size of 0.020 inches and a solid PVC riser portion. **Figure 1** also provides the monitoring well locations.

All wells were installed to a depth of approximately 25 feet surface below grade. The water table appears to follow the bedrock elevation, suggesting it is probably perched on top of the bedrock. All wells were installed with a sand pack and bentonite seal, and finished at grade with a limited-access manhole cover. Well construction logs are provided in **Appendix C**.

All monitoring wells were monitored utilizing a Solinst 122 Oil/Water Interface Probe (Interface Probe). Following the well monitoring, the casing elevation of each well was determined utilizing a David White LT8-300 Transit. The determination of the casing elevation allowed for the calculation of the groundwater elevation beneath the Site, which therefore allowed for the determination of the site-specific groundwater flow direction.

**Table 1** provides the results of the groundwater monitoring and surveying details. None of the monitoring wells contain free product. The depth to water beneath the basement is 10.40 feet as observed in MW-1. The depth to water beneath the sidewalks ranges from 15.38 feet in MW-2 and MW-4 to 16.59 feet in MW-7. The groundwater elevation in the vicinity of the Site ranges from 8.21 in MW-6A to 10.59 in MW-1. The site specific groundwater flow direction is northeast. **Figure 2** provides a groundwater flow contour map. Well MW-3 is dry.

MW-5A and MW-6A were purged of 3-5 well volumes and then sampled utilizing dedicated disposable polypropylene weighted bailers. Each groundwater sample was then placed into 2 pre-cleaned 40-milliliter (mL) vials and appropriately labeled.

#### 3.3 Laboratory Analyticals

All groundwater samples were placed in a cooler and maintained at four (4) degrees Celsius and were transmitted under a proper chain of custody procedures to a State-certified (ELAP) laboratory. All groundwater samples were analyzed for volatile organic compounds (VOCs) including chlorinated solvents via EPA Method 8260. **Appendix D** provides copies of the laboratory reports.

#### 3.4 Decontamination Procedures and Quality Assurance/Quality Control

Each piece of sampling or other down hole equipment was decontaminated prior to each use in order to ensure that cross-contamination between sampling locations did not occur. The following procedure was utilized in the decontamination process:

- Wipe clean and wash with Alconox®
- Potable water rinse
- Methanol rinse
- Deionized water rinse
- Air dry

All decontamination procedures were performed in an area segregated from any sampling areas. Any rinsate from the decontamination area was contained and removed from the Site.

All samples were properly handled and placed into the appropriately labeled containers. The samples were placed in a cooler filled with ice and maintained at a maximum of 4 degrees Celsius. All samples were transmitted under proper chain of custody procedures to a State-certified (ELAP) laboratory for confirmatory laboratory analyses. All holding times were met. The laboratory did not report any irregularities with respect to their internal Quality Assurance/Quality Control.



#### 4.0 ANALYTICAL RESULTS

**Table 2** provides the analytical results for the organic compounds detected in all groundwater samples obtained between March and July 2010 at concentrations exceeding their respective method detection limit (MDL). **Table 2** also provides a comparison of the analytical results to each compound's Groundwater Quality Standard (GQS) from NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 entitled Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. Concentrations reported in **Table 2** are in micrograms/liter ( $\mu\text{g/L}$ ).

As **Table 2** indicate, the total VOC concentrations range from none detected in MW-7 to 3,565.6  $\mu\text{g/L}$  in MW-1. The total VOC concentration in MW-2 is 9  $\mu\text{g/L}$ , in MW-4 is 161.8  $\mu\text{g/L}$ , in MW-5A is 4.45  $\mu\text{g/L}$  and in MW-6A is 9.67  $\mu\text{g/L}$ . There are no NYSDEC standards for total VOC concentration in groundwater. No VOCs were detected in MW-7 at concentrations exceeding their respective MDLs.

Individual VOCs including cis-1,2-Dichloroethylene (140  $\mu\text{g/L}$ ), Tetrachloroethylene (3,300  $\mu\text{g/L}$ ) and Trichloroethylene (120  $\mu\text{g/L}$ ) were detected in MW-1 at concentrations exceeding their respective GQS. Chloroform (5.6  $\mu\text{g/L}$ ), was detected at a concentration below its GQS of 7  $\mu\text{g/L}$ . No other VOCs were detected in MW-1 at concentrations exceeding their respective MDLs.

Three (3) VOCs, Chloroform (2.7  $\mu\text{g/L}$ ), Tetrachloroethylene (4.8  $\mu\text{g/L}$ ) and Trichloroethylene (1.5  $\mu\text{g/L}$ ), were detected in MW-2 at concentrations below their respective GQS. No other VOCs were detected in MW-2 at concentrations exceeding their respective MDLs.

Vinyl Chloride (160  $\mu\text{g/L}$ ) was detected in MW-4 at a concentration exceeding its respective GQS. Tetrachloroethylene (1.8  $\mu\text{g/L}$ ) was detected at a concentration below its GQS of 5  $\mu\text{g/L}$ . No other VOCs were detected in MW-4 at concentrations exceeding their respective MDLs.

Chloroform (4.45  $\mu\text{g/L}$ ) was detected in MW-5A at a concentration below its respective GQS. No other VOCs were detected in MW-5A at concentrations exceeding their respective MDLs.

Chloroform (7.24  $\mu\text{g/L}$ ) was detected in MW-6A at a concentration exceeding its respective GQS. The VOC cis-1,2-Dichloroethylene (2.42  $\mu\text{g/L}$ ) was detected at a concentration below its GQS of 5  $\mu\text{g/L}$ . No other VOCs were detected in MW-6A at concentrations exceeding their respective MDLs.

## 5.0 DISCUSSION OF RESULTS

The depth to water beneath the basement is 10.40 feet. The depth to water beneath the southern sidewalk of East 70<sup>th</sup> Street is 15.38 feet in MW-4 and MW-2, the depth to water beneath the northern sidewalk of East 70<sup>th</sup> Street ranges from 16.24 feet in MW-5A to 16.59 feet in MW-7 and the depth to water beneath the eastern sidewalk of 1<sup>st</sup> Avenue is 15.86 feet in MW-6A. Well MW-3 is dry. The groundwater flow direction is toward the northeast.

Chlorinated compounds consisting of Tetrachloroethylene and its breakdown products (Trichloroethylene and cis-1,2-Dichloroethylene) are present in the groundwater beneath the basement at concentrations exceeding their respective GQS, as evidenced by the analytical results of MW-1. The total concentration of chlorinated contaminants detected in MW-1 is 3,565.6 µg/L.

Vinyl Chloride is present in the groundwater beneath the southern sidewalk of East 70<sup>th</sup> Street, northwest of the Site, at a concentration exceeding its respective GQS, as evidenced by the analytical results of MW-4. The total concentration of chlorinated contaminants detected in MW-4 is 161.8 µg/L. No VOCs were detected in the groundwater beneath the southern sidewalk of East 70<sup>th</sup> Street, northeast of the Site, at concentrations exceeding their respective GQS, as evidenced by the analytical results of MW-2.

Chloroform is present in the groundwater beneath the northern sidewalk of East 70<sup>th</sup> Street, northeast of the Site, at a concentration exceeding its respective GQS, as evidenced by the analytical results of MW-6A. The total concentration detected in MW-6A is 9.67 µg/L. No VOCs were detected in the groundwater beneath the northern sidewalk of East 70<sup>th</sup> Street, northwest of the Site, at concentrations exceeding their respective MDLs, as evidenced by the analytical results of MW-7.

No VOCs are present in the groundwater beneath the eastern sidewalk of 1<sup>st</sup> Avenue at concentrations exceeding their respective GQS, as evidenced by the analytical results of MW-5A. The total concentration detected in MW-5A is 4.45 µg/L.

Based upon these findings, the total chlorinated solvent concentrations decrease significantly downgradient, towards the northern sidewalk of East 70<sup>th</sup> Street. No chlorinated solvents were detected in the groundwater cross gradient of the property.

**Figure 3** provides the VOC Concentrations in Groundwater.

## **6.0 CONCLUSIONS**

Based on the information and data presented above, the following conclusions are provided:

The groundwater flow direction is toward the northeast. The monitoring wells at the Site are installed to the top of the bedrock. The water table appears to follow the bedrock elevation, suggesting it is probably perched on top of the bedrock.

Total chlorinated solvent concentrations exceeding 3,500 µg/L are present in groundwater beneath the central portion of the basement. The total chlorinated solvent concentrations then decrease significantly downgradient to the northeast of the site. No chlorinated solvents were detected in the groundwater cross gradient of the property.

## **7.0 RECOMMENDATIONS**

Based on the information and data presented above, the following recommendations are provided:

The New York State Department of Environmental Conservation (NYSDEC) Bureau of Hazardous Waste should be contacted and provided with a copy of this report for their review and comment.

## 8.0 REFERENCES

1. Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process, ASTM E 1527-00, American Society for Testing and Materials, West Conshohocken, PA.
2. Principals of Groundwater Engineering, William C. Walton, Lewish Publishers, Inc, 1991.
3. Soil Survey of Nassau County, New York, Soil Conservation Service, United States Department of Agriculture in cooperation with Cornell University Agricultural Experiment Station, February 1987.
4. The Long Island Ground Water Pollution Study, New York State Department of Environmental Conservation, 1972
5. *Geochemical traverse across Cameron's Line, Boro Hall Park, Bronx, New York*, Cadmus, D., Hodgen, R., Gatto, L.M., and Puffer, J.H., Geology Department, Rutgers University, Newark, NJ.
6. *Drainage History of the New York City Region*, Sanders, John E., Geology Department, Hofstra University.
7. Draft DER-10 Technical Guidance for Site Investigation and Remediation, December 2002.
8. New York State Department of Environmental Conservation Technical and Administrative Guidance Memorandum #4046, Determination of Soil Cleanup Objectives and Cleanup Levels, January 24, 1994.
9. *Groundwater Investigation Report*, 1299 1<sup>st</sup> Avenue, New York, New York, Hydro Tech Environmental, Corp, May 5<sup>th</sup>, 2010.

## 9.0 EXCLUSIONS & DISCLAIMER

The observations described in this report were made under the conditions stated therein. The conclusions presented in the report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by the Client.

In preparing this report, **Hydro Tech Environmental, Corp.** may have relied on certain information provided by state and local officials and other parties referenced therein, and on information contained in the files of state and/or local agencies available to **Hydro Tech Environmental, Corp.** at the time of the subject property assessment. Although there may have been some degree of overlap in the information provided by these various sources, **Hydro Tech Environmental, Corp.** did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this subject property assessment.

Observations were made of the subject property and of structures on the subject property as indicated within the report. Where access to portions of the subject property or to structures on the subject property was unavailable or limited, **Hydro Tech Environmental, Corp.** renders no opinion as to the presence of non-hazardous or hazardous materials, or to the presence of indirect evidence relating to a non hazardous or hazardous materials, in that portion of the subject property or structure. In addition, **Hydro Tech Environmental, Corp.** renders no opinion as to the presence of hazardous materials, or the presence of indirect evidence relating to hazardous materials, where direct observation of the interior walls, floors, or ceiling of a structure on a subject property was obstructed by objects or coverings on or over these surfaces.

**Hydro Tech Environmental, Corp.** did not perform testing or analyses to determine the presence or concentration of asbestos at the subject property or in the environment of the subject property under the scope of the services performed. Any water level reading made in test pits, borings, and/or observation wells were made at the times and under the conditions stated in the report. However, it must be noted that fluctuations in the level of groundwater may occur due to variations in rainfall and other factors different from those prevailing at the time measurements were made.

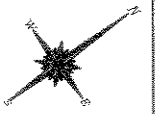
The conclusions and recommendations contained in this report are based in part, where noted, upon the data obtained from a limited number of soil samples obtained from widely spaced subsurface explorations. The nature and extent of variations between these explorations may not become evident until further exploration. If variations or other latent conditions then appear evident, it will be necessary to reevaluate the conclusions and recommendations of this report.

Except as noted within the text of the report, no qualitative laboratory testing was performed as part of the subject property assessment. Where such analyses have been conducted by an outside laboratory, **Hydro Tech Environmental, Corp.** has relied upon the data provided, and has not conducted an independent evaluation of the reliability of the data.

The conclusions and recommendations contained in this report are based in part, where noted, upon various types of chemical data and are contingent upon their validity. The data have been reviewed and interpretations were made in the report. As indicated within the report, some of the data may be preliminary "screening" level data, and should be confirmed with quantitative analyses if more specific information is necessary. Moreover, it should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors. Should additional chemical data become available in the future, the data should be reviewed, and the conclusions and recommendations presented herein modified accordingly. Chemical analyses have been performed for specific constituents during the course of this subject property assessment, as described in the text. However, it should be noted that additional chemical constituents not searched for during the current study may be present in soil and/or groundwater at the subject property.

Any GPR survey described above was performed in accordance with good commercial and customary practice and generally accepted protocols within the consulting industry. **Hydro Tech Environmental, Corp.** does not accept responsibility for survey limitations due to inherent technological limitations or site specific conditions, however, made appropriate effort to identify and notify the client of such limitations and conditions. In particular, please note that the survey described above does not represent a full utility clearance survey, and does not relieve any party of applicable legal obligations to notify a utility one-call service prior to excavating or drilling

## FIGURES

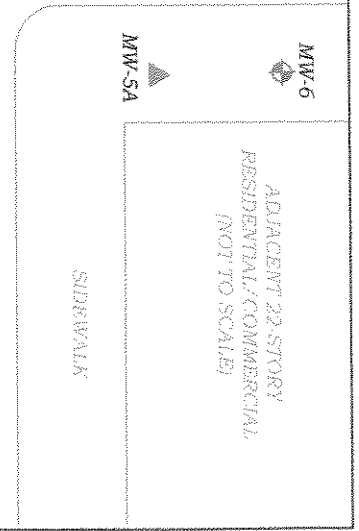


ADJACENT 20 STORY  
RESIDENTIAL  
(NOT TO SCALE)



SIDEWALK

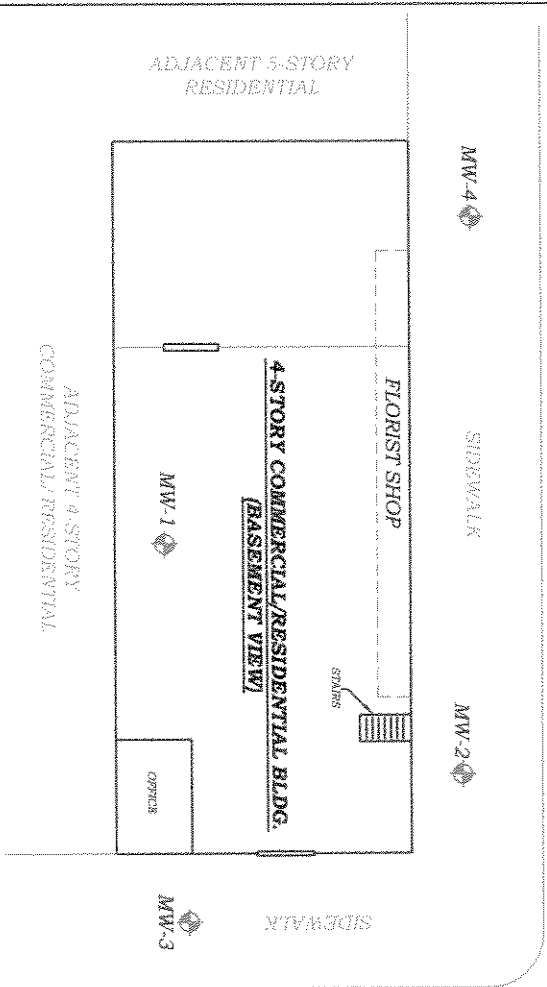
1st AVENUE



ADJACENT 22 STORY  
RESIDENTIAL/COMMERCIAL  
(NOT TO SCALE)

SIDEWALK

E 70th STREET

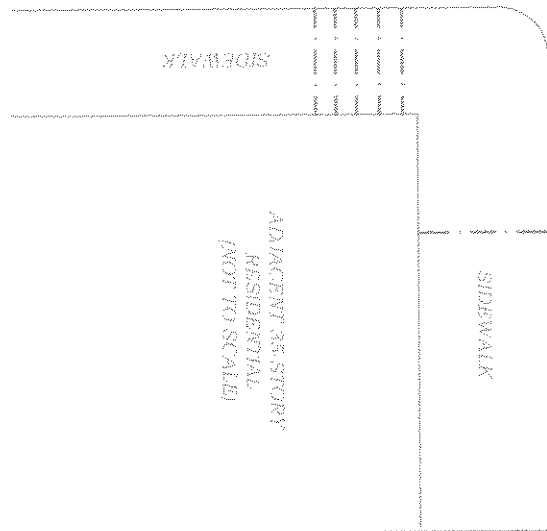


ADJACENT 5-STORY  
RESIDENTIAL

ADJACENT 4-STORY  
COMMERCIAL/RESIDENTIAL

4 STORY COMMERCIAL/RESIDENTIAL BLDG.  
(BASEMENT VIEW)

SIDEWALK

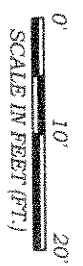



ADJACENT 35 STORY  
RESIDENTIAL  
(NOT TO SCALE)

SIDEWALK

**LEGEND:**

- ◆ MONITORING WELL (MW) INSTALLED IN MARCH 2010
- ▲ MONITORING WELL (MW) INSTALLED IN JULY 2010
- UNDERGROUND UTILITIES CONDUIT

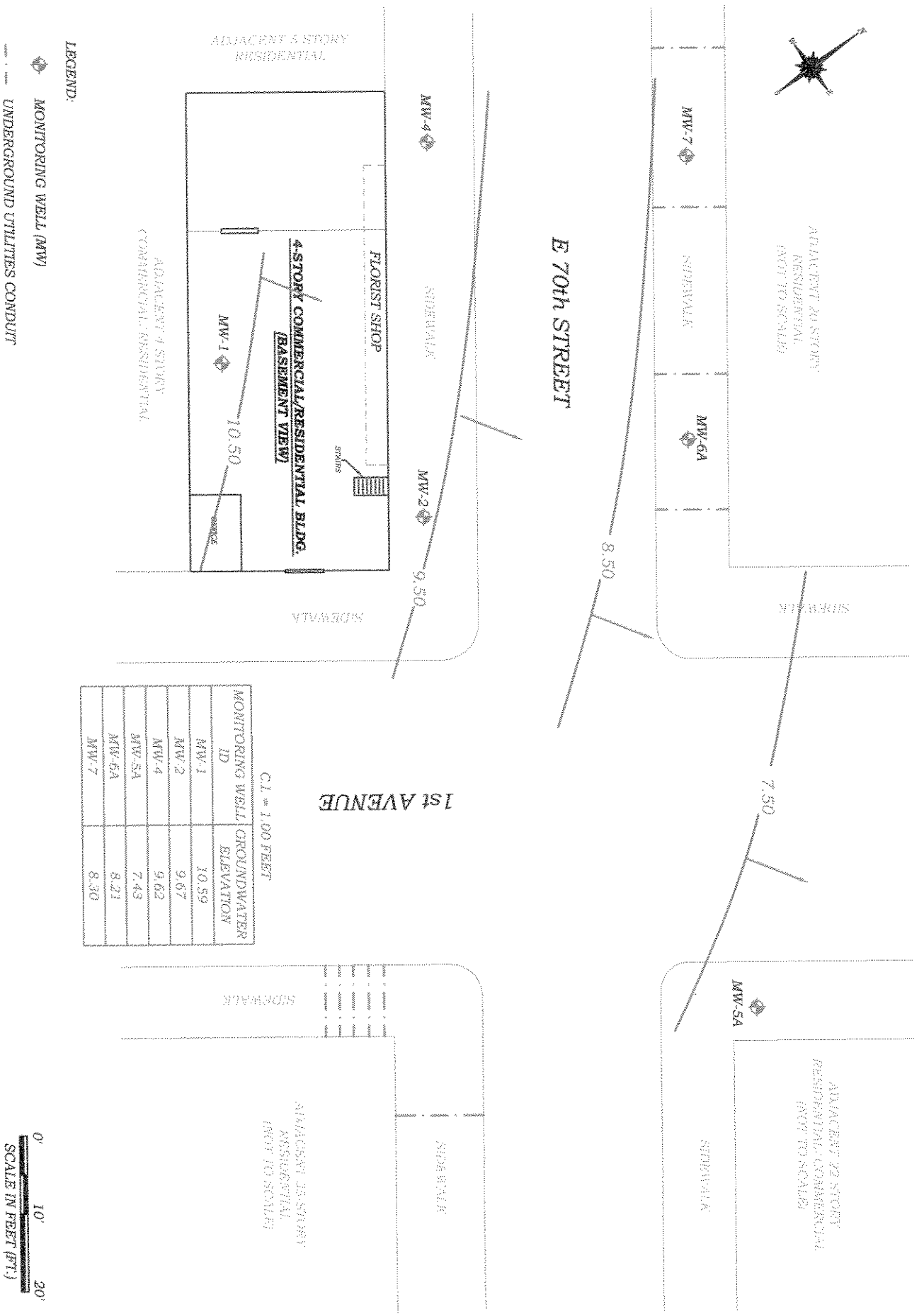
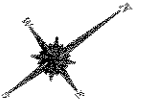
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Scale:	AS NOTED

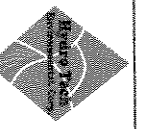
FIGURE 1: SITE PLAN and MONITORING WELL LOCATIONS





CI = 100 FEET

MONITORING WELL ID	GROUNDWATER ELEVATION
MW-1	10.59
MW-2	9.67
MW-4	9.62
MW-5A	7.43
MW-6A	8.21
MW-7	8.30



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 New York, NY

Drawn By: CQ  
 Reviewed By: MR  
 Approved By: MS  
 Date: 07/29/10  
 Scale: AS NOTED

TITLE: **FIGURE 2: GROUNDWATER FLOW CONTOUR DIAGRAM - JULY 2010**

MW-7	
Sample DATE	3/24/10
VOC	ND

MW-6A	
Sample DATE	7/12/10
VOC	µg/L
Chloroform	7.24
Total VOCs	9.67
GQS	7
NS	NS

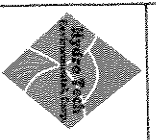
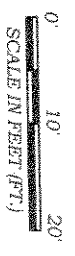
MW-5A	
Sample DATE	7/12/10
VOC	NAS
Total VOCs	4.45 µg/L

MW-4	
Sample DATE	3/24/10
VOC	µg/L
Vinyl chloride	160
Total VOCs	161.8
NS	NS

MW-2	
Sample DATE	3/24/10
VOC	NAS
Total VOCs	9 µg/L

MW-1	
Sample DATE	3/24/10
VOC	µg/L
cis-1,2-Dichloroethylene	140
Tetrachloroethylene	3,300
Trichloroethylene	120
Total VOCs	3,565.6
GQS	5
NS	5
NS	NS

MW-3	
DRY	



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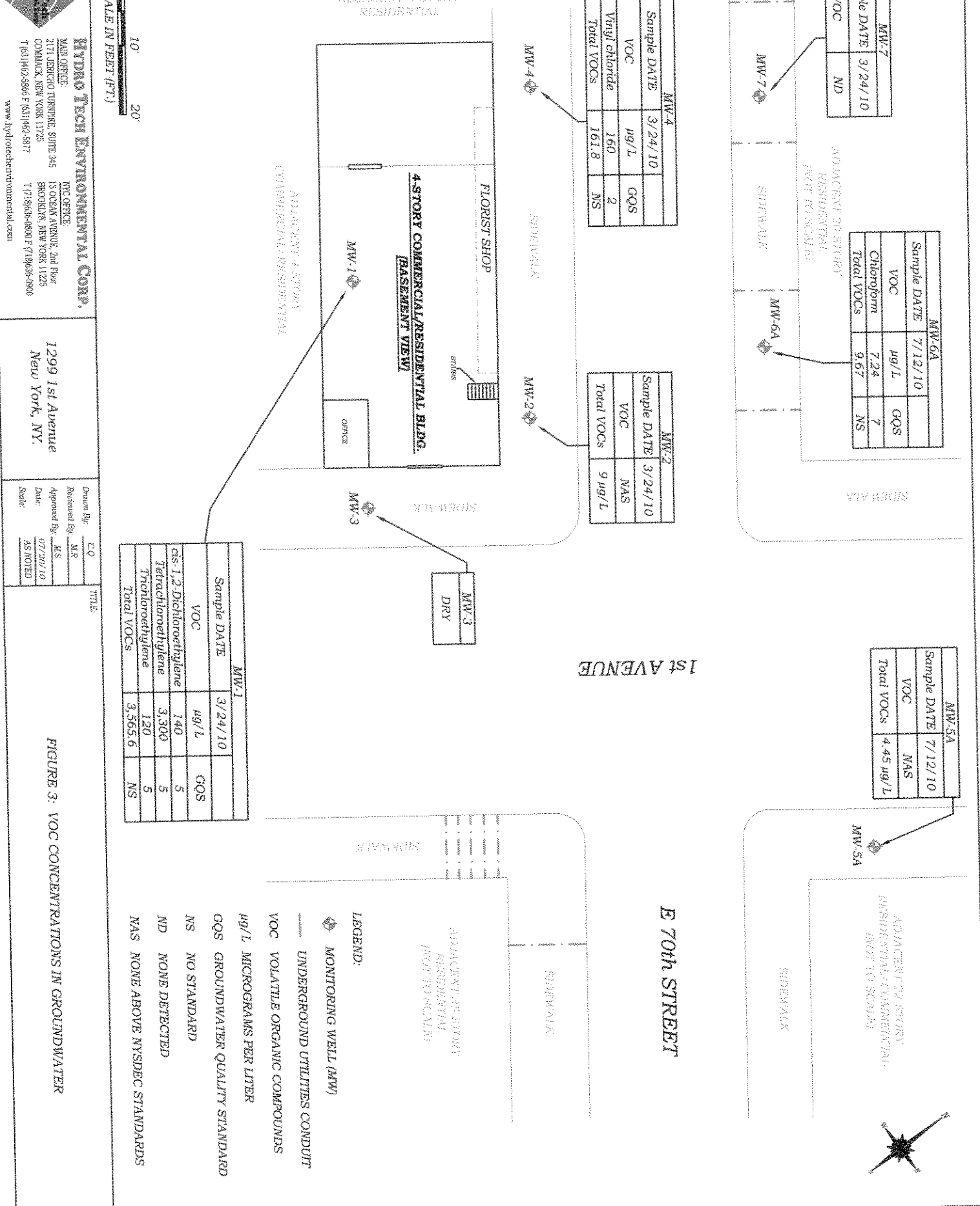
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Approved By:	MS
Date:	07/20/10
Scale:	AS NOTED

TITLE

FIGURE 3: VOC CONCENTRATIONS IN GROUNDWATER

- LEGEND:
- ◆ MONITORING WELL (MW)
  - UNDERGROUND UTILITIES CONDUIT
  - VOLATILE ORGANIC COMPOUNDS
  - µg/L MICROGRAMS PER LITER
  - GQS GROUNDWATER QUALITY STANDARD
  - NS NO STANDARD
  - ND NONE DETECTED
  - NAS NONE ABOVE NYSDDC STANDARDS



## TABLES

**Table 1**  
**Groundwater Monitoring and Surveying Details - July 2010**  
**1299 1st Avenue, New York, NY**

Monitoring Well (MW)	Jul-10					
	Casing Elevation(ft)	Depth to Water (ft)	Total Depth of Well (ft)	Groundwater Elevation (ft)	Depth to Product (ft)	
MW-1	9.01	10.40	14.00	10.59	ND	
MW-2	4.95	15.38	25.00	9.67	ND	
MW-3	4.85	Dry	22.00	N/A	ND	
MW-4	5.00	15.38	23.00	9.62	ND	
MW-5A	6.33	16.24	25.00	7.43	ND	
MW-6A	5.93	15.86	25.00	8.21	ND	
MW-7	5.11	16.59	24.00	8.30	ND	

ND...None Detected

N/A...Not Applicable

Table 2  
 Water Samples Organic Analytical Results  
 1299 1st Avenue, New York, New York

Sample Identification	MW-1	MW-2	MW-4	MW-5A	MW-6A	MW-7	NYSDEC TOGS 1.1.1 Groundwater Quality Standard
Sample Date	3/24/2010	3/24/2010	3/24/2010	7/12/2010	7/12/2010	3/24/2010	
Sample Matrix	Water	Water	Water	Water	Water	Water	
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
Volatile Organic Compounds							
Chloroform	5.6	2.7	ND	4.45	7.24	ND	7
cis-1,2-Dichloroethylene	140	ND	ND	ND	2.43	ND	5
Tetrachloroethylene	3,300	4.8	1.8	ND	ND	ND	5
Trichloroethylene	120	1.5	ND	ND	ND	ND	5
Vinyl chloride	ND	ND	160	ND	ND	ND	2
Total VOCs	3,565.6	9	161.8	4.45	9.67	ND	NS

NS...No Standard

ug/L...micrograms per Liter

ND...not detected

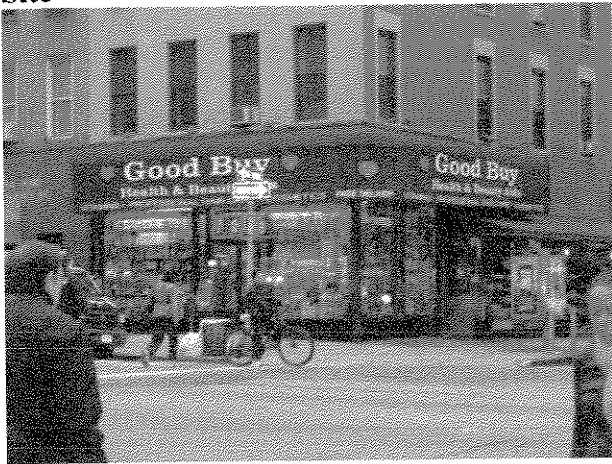
Shaded values represent concentration exceeding the GQS

This Table Lists Only Compounds Detected At Concentrations Exceeding Their Respective Method Detection Limit.

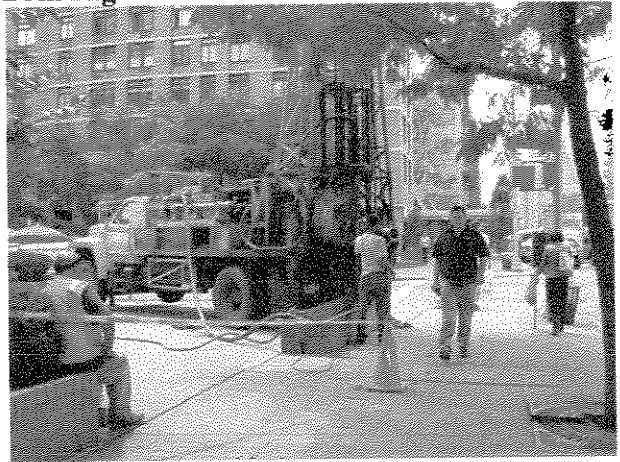
APPENDIX A  
PHOTOGRAPHS

## PHOTOGRAPHS

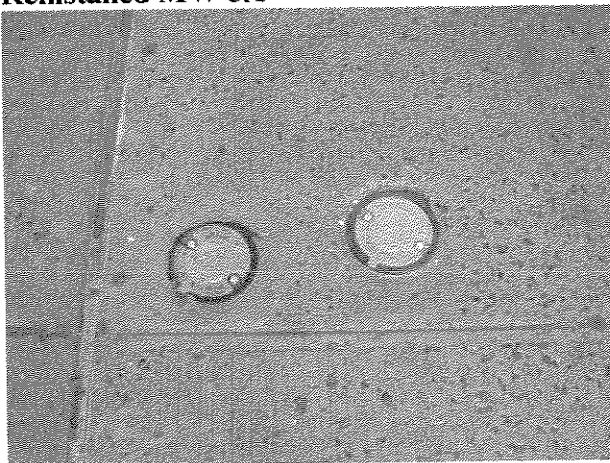
**Site**



**Drill Rig**



**Reinstalled MW-5A**



**Reinstalled MW-6A**



APPENDIX B  
WELL CONSTRUCTION LOGS





# HYDRO TECH ENVIRONMENTAL CORP.

MAIN OFFICE:  
 2171 JERICHO TURNPIKE, SUITE 345  
 COMMACK, NEW YORK 11725  
 PHONE: (631) 462-5866 FAX: (631) 462-5877

NYC OFFICE:  
 15 OCEAN AVENUE, SECOND FLOOR  
 BROOKLYN, NEW YORK 11225

## WELL CONSTRUCTION LOG

Job No: 100033 Date: 03-24-10 Page: 1 OF 1

Location: 1299 FIRST AVENUE, NEW YORK, NY

Well Number: MW-1 Screen Size: 0.010"

Drilling Method: DIRECT PUSH Screen Interval: 10.00'

Total Depth: 14.00' Diameter: 1"

Depth to Water: 9.40' Riser Length: 4.00'

Manhole Size: 5" Sand Size: #2

Depth Below Grade (ft.)	Sample Interval (ft.)	Well Construction	Description
2			5" Manhole Cover.
4			0'-1.00' - Native Soil.
6			1.00'-2.00' - Bentonite Seal.
8			2'-14.00' - #2 Sand.
10			
12			
14			
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36			



# HYDRO TECH ENVIRONMENTAL CORP.

MAIN OFFICE:  
2171 JERICHO TURNPIKE, SUITE 345  
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NYC OFFICE:  
15 OCEAN AVENUE, SECOND FLOOR  
BROOKLYN, NEW YORK 11225

## WELL CONSTRUCTION LOG

Job No: 100033 Date: 03-24-10 Page: 1 OF 1

Location: 1299 FIRST AVENUE, NEW YORK, NY

Well Number: MW-2 Screen Size: 0.010"

Drilling Method: DIRECT PUSH Screen Interval: 10.00'

Total Depth: 25.00' Diameter: 1"

Depth to Water: 14.38' Riser Length: 15.00'

Manhole Size: 5" Sand Size: #2

Depth Below Grade (ft.)	Sample Interval (ft.)	Well Construction	Description
2		<p>The diagram shows a cross-section of the well. At the top is a 5-inch manhole cover. Below it is a layer of native soil. This is followed by a bentonite seal. The well casing is made of #2 sand. At the bottom of the casing is a screening section.</p>	5" Manhole Cover.
4			0'-1.00' - Native Soil.
6			1.00'-2.00' - Bentonite Seal.
8			2'-25.00' - #2 Sand.
10			
12			
14			
16			
18			
20			
22			
24			
26			
28			
30			
32			
34			
36			



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**NYC OFFICE:**  
 15 OCEAN AVENUE, SECOND FLOOR  
 BROOKLYN, NEW YORK 11225

## WELL CONSTRUCTION LOG

Job No: 100033 Date: 03-24-10 Page: 1 OF 1

Location: 1299 FIRST AVENUE, NEW YORK, NY

Well Number: MW-3 Screen Size: 0.010"

Drilling Method: DIRECT PUSH Screen Interval: 10.00'

Total Depth: 22.00' Diameter: 1"

Depth to Water: No Water Riser Length: 12.00'

Manhole Size: 5" Sand Size: #2

Depth Below Grade (ft.)	Sample Interval (ft.)	Well Construction	Description
2			5" Manhole Cover.
4			0'-1.00' - Native Soil.
6			1.00'-2.00' - Bentonite Seal.
8			2'-22.00' - #2 Sand.
10			
12			
14			
16			
18			
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22			
24			
26			
28			
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32			
34			
36			



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 BROOKLYN, NEW YORK 11225

## WELL CONSTRUCTION LOG

Job No: 100033 Date: 03-24-10 Page: 1 OF 1

Location: 1299 FIRST AVENUE, NEW YORK, NY

Well Number: MW-4 Screen Size: 0.010"

Drilling Method: DIRECT PUSH Screen Interval: 10.00'

Total Depth: 23.00' Diameter: 1"

Depth to Water: 13.70' Riser Length: 13.00'

Manhole Size: 5" Sand Size: #2

Depth Below Grade (ft.)	Sample Interval (ft.)	Well Construction	Description
2			5" Manhole Cover.
4			0'-1.00' - Native Soil.
6			1.00'-2.00' - Bentonite Seal.
8			2'-23.00' - #2 Sand.
10			
12			
14			
16			
18			
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36			



# HYDRO TECH ENVIRONMENTAL CORP.

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**NYC OFFICE:**  
 15 OCEAN AVENUE, SECOND FLOOR  
 BROOKLYN, NEW YORK 11225

## WELL CONSTRUCTION LOG

Job No: 100149 Date: 07-08-10 Page: 1 OF 1

Location: 1299 FIRST AVENUE, NEW YORK, NY

Well Number: MW-5A Screen Size: 0.010"

Drilling Method: DIRECT PUSH Screen Interval: 15.00'

Total Depth: 25.00' Diameter: 1"

Depth to Water: 16.24' Riser Length: 10.00'

Manhole Size: 5" Sand Size: #2

Depth Below Grade (ft.)	Sample Interval (ft.)	Well Construction	Description
2			5" Manhole Cover
4			0'-1.00' - Native Soil
6			1'-2.00' - Bentonite Seal
8			2'-25.00' - #2 Sand
10			0'-10.00' - Riser
12			10'-25.00' - Screen
14			
16			
18			
20			
22			
24			
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36			



# HYDRO TECH ENVIRONMENTAL CORP.

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**NYC OFFICE:**  
 15 OCEAN AVENUE, SECOND FLOOR  
 BROOKLYN, NEW YORK 11225

## WELL CONSTRUCTION LOG

Job No: 100149 Date: 07-08-10 Page: 1 OF 1

Location: 1299 FIRST AVENUE, NEW YORK, NY

Well Number: MW-6A Screen Size: 0.010"

Drilling Method: DIRECT PUSH Screen Interval: 15.00'

Total Depth: 25.00' Diameter: 1"

Depth to Water: 15.86' Riser Length: 10.00'

Manhole Size: 5" Sand Size: #2

Depth Below Grade (ft.)	Sample Interval (ft.)	Well Construction	Description
2			5" Manhole Cover
4			0'-1.00' - Native Soil
6			1'-2.00' - Bentonite Seal
8			2'-25.00' - #2 Sand
10			0'-10.00' - Riser
12			10'-25.00' - Screen
14			
16			
18			
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32			
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36			



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**NYC OFFICE:**  
 15 OCEAN AVENUE, SECOND FLOOR  
 BROOKLYN, NEW YORK 11225

## WELL CONSTRUCTION LOG

Job No: 100033 Date: 03-24-10 Page: 1 OF 1

Location: 1299 FIRST AVENUE, NEW YORK, NY

Well Number: MW-7 Screen Size: 0.010"

Drilling Method: DIRECT PUSH Screen Interval: 15.00'

Total Depth: 24.00' Diameter: 1"

Depth to Water: 14.58' Riser Length: 9.00'

Manhole Size: 5" Sand Size: #2

Depth Below Grade (ft.)	Sample Interval (ft.)	Well Construction	Description
2			5" Manhole Cover
4			0'-1.00' - Native Soil
6			1'-2.00' - Bentonite Seal
8			2'-24.00' - #2 Sand
10			0'-9.00' - Riser
12			9'-24.00' - Screen
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36			

APPENDIX C  
LABORATORY RESULTS





# ANALYTICAL CHEMISTS

26 North Mall  
Plainview, NY 11803

Tel: (516) 293-2191  
Fax: (516) 293-3152

## Analytical Results

July 15, 2010

Hydro Tech Environmental  
15 Ocean Avenue, 2nd Floor  
Brooklyn, NY 11225

Att: Timothy Lo

Sample Description: Water - 1299 1st Ave, New York, NY, MW-5A - 07/12/10 08:00

Sample Collected By: Hydro Tech Environmental

Purchase Order Number: 4292

Date Samples Received: 07/12/10 10:00

Lab ID Number: 1007032-01

Sample Qualifier(s):

<u>Analyte</u>	<u>Results</u>	<u>Qual</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	<1.00		ug/L	1.00	07/14/10 14:19	VNS	SW 8260B
Bromobenzene	<2.00		ug/L	2.00	07/14/10 14:19	VNS	SW 8260B
Bromochloromethane	<1.00		ug/L	1.00	07/14/10 14:19	VNS	SW 8260B
Bromodichloromethane	<5.00		ug/L	5.00	07/14/10 14:19	VNS	SW 8260B
Bromoform	<1.00		ug/L	1.00	07/14/10 14:19	VNS	SW 8260B
Bromomethane	<2.00		ug/L	2.00	07/14/10 14:19	VNS	SW 8260B
sec-Butylbenzene	<1.00		ug/L	1.00	07/14/10 14:19	VNS	SW 8260B
n-Butylbenzene	<1.00		ug/L	1.00	07/14/10 14:19	VNS	SW 8260B
tert-Butylbenzene	<1.00		ug/L	1.00	07/14/10 14:19	VNS	SW 8260B
Carbon Tetrachloride	<2.00		ug/L	2.00	07/14/10 14:19	VNS	SW 8260B
Chlorobenzene	<1.00		ug/L	1.00	07/14/10 14:19	VNS	SW 8260B
Chloroethane	<2.00		ug/L	2.00	07/14/10 14:19	VNS	SW 8260B
<b>Chloroform</b>	<b>4.45</b>		ug/L	1.00	07/14/10 14:19	VNS	SW 8260B
Chloromethane	<2.00		ug/L	2.00	07/14/10 14:19	VNS	SW 8260B
2-Chlorotoluene	<2.00		ug/L	2.00	07/14/10 14:19	VNS	SW 8260B
4-Chlorotoluene	<2.00		ug/L	2.00	07/14/10 14:19	VNS	SW 8260B
1,2-Dibromo-3-chloropropane	<2.00		ug/L	2.00	07/14/10 14:19	VNS	SW 8260B
Dibromochloromethane	<5.00		ug/L	5.00	07/14/10 14:19	VNS	SW 8260B
1,2-Dibromoethane	<2.00		ug/L	2.00	07/14/10 14:19	VNS	SW 8260B
Dibromomethane	<1.00		ug/L	1.00	07/14/10 14:19	VNS	SW 8260B
1,2-Dichlorobenzene	<1.00		ug/L	1.00	07/14/10 14:19	VNS	SW 8260B
1,3-Dichlorobenzene	<2.00		ug/L	2.00	07/14/10 14:19	VNS	SW 8260B
1,4-Dichlorobenzene	<1.00		ug/L	1.00	07/14/10 14:19	VNS	SW 8260B
Dichlorodifluoromethane	<1.00		ug/L	1.00	07/14/10 14:19	VNS	SW 8260B
1,1-Dichloroethane	<2.00		ug/L	2.00	07/14/10 14:19	VNS	SW 8260B
1,2-Dichloroethane	<1.00		ug/L	1.00	07/14/10 14:19	VNS	SW 8260B
1,1-Dichloroethene	<1.00		ug/L	1.00	07/14/10 14:19	VNS	SW 8260B

Lab ID Number: 1007032-01

<u>Analyte</u>	<u>Results</u>	<u>Qual</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
cis-1,2-Dichloroethene	<1.00		ug/L	1.00	07/14/10 14:19	VNS	SW 8260B
trans-1,2-Dichloroethene	<1.00		ug/L	1.00	07/14/10 14:19	VNS	SW 8260B
1,3-Dichloropropane	<1.00		ug/L	1.00	07/14/10 14:19	VNS	SW 8260B
2,2-Dichloropropane	<2.00		ug/L	2.00	07/14/10 14:19	VNS	SW 8260B
1,2-Dichloropropane	<2.00		ug/L	2.00	07/14/10 14:19	VNS	SW 8260B
trans-1,3-Dichloropropene	<1.00		ug/L	1.00	07/14/10 14:19	VNS	SW 8260B
1,1-Dichloropropene	<2.00		ug/L	2.00	07/14/10 14:19	VNS	SW 8260B
cis-1,3-Dichloropropene	<1.00		ug/L	1.00	07/14/10 14:19	VNS	SW 8260B
Ethylbenzene	<2.00		ug/L	2.00	07/14/10 14:19	VNS	SW 8260B
Hexachlorobutadiene	<1.00		ug/L	1.00	07/14/10 14:19	VNS	SW 8260B
Isopropylbenzene	<2.00		ug/L	2.00	07/14/10 14:19	VNS	SW 8260B
4-Isopropyltoluene	<1.00		ug/L	1.00	07/14/10 14:19	VNS	SW 8260B
Methyl-tert-Butyl Ether	<1.00		ug/L	1.00	07/14/10 14:19	VNS	SW 8260B
Methylene Chloride	<10.0		ug/L	10.0	07/14/10 14:19	VNS	SW 8260B
n-Propylbenzene	<2.00		ug/L	2.00	07/14/10 14:19	VNS	SW 8260B
Styrene	<1.00		ug/L	1.00	07/14/10 14:19	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<2.00		ug/L	2.00	07/14/10 14:19	VNS	SW 8260B
1,1,1,2-Tetrachloroethane	<1.00		ug/L	1.00	07/14/10 14:19	VNS	SW 8260B
Tetrachloroethene	<1.00		ug/L	1.00	07/14/10 14:19	VNS	SW 8260B
Toluene	<1.00		ug/L	1.00	07/14/10 14:19	VNS	SW 8260B
1,2,4-Trichlorobenzene	<1.00		ug/L	1.00	07/14/10 14:19	VNS	SW 8260B
1,2,3-Trichlorobenzene	<2.00		ug/L	2.00	07/14/10 14:19	VNS	SW 8260B
1,1,1-Trichloroethane	<1.00		ug/L	1.00	07/14/10 14:19	VNS	SW 8260B
1,1,2-Trichloroethane	<2.00		ug/L	2.00	07/14/10 14:19	VNS	SW 8260B
Trichloroethene	<1.00		ug/L	1.00	07/14/10 14:19	VNS	SW 8260B
Trichlorofluoromethane	<1.00		ug/L	1.00	07/14/10 14:19	VNS	SW 8260B
1,2,3-Trichloropropane	<5.00		ug/L	5.00	07/14/10 14:19	VNS	SW 8260B
1,2,4-Trimethylbenzene	<1.00		ug/L	1.00	07/14/10 14:19	VNS	SW 8260B
1,3,5-Trimethylbenzene	<1.00		ug/L	1.00	07/14/10 14:19	VNS	SW 8260B
Vinyl chloride	<5.00		ug/L	5.00	07/14/10 14:19	VNS	SW 8260B
m,p-Xylene	<2.00		ug/L	2.00	07/14/10 14:19	VNS	SW 8260B
o-Xylene	<1.00		ug/L	1.00	07/14/10 14:19	VNS	SW 8260B

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References & Qualifiers

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EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.


LT - Lachat Method Manual, "Methods List for Automated Ion Analyzers", February 2004.

RL - Reporting Limit. The lowest level measured by the laboratory adjusted for dilution and/or dry weight correction. \* indicates reported to MDL.

New York State ELAP Laboratory ID #10950/EPA Laboratory ID #NY01292/New Jersey DEP Laboratory ID #NY006

All results are based on the sample "As Received" by the laboratory and no endorsement of the sample integrity prior to sample receipt is implied or given unless collected by Analytical Chemists Laboratory employees. Report must be reproduced in its enti

Laboratory Director:

  
Joseph P. Shaulys





# ANALYTICAL CHEMISTS

26 North Mall  
Plainview, NY 11803

Tel: (516) 293-2191  
Fax: (516) 293-3152

## Analytical Results

July 15, 2010

Hydro Tech Environmental  
15 Ocean Avenue, 2nd Floor  
Brooklyn, NY 11225

Att: Timothy Lo

Sample Description: Water - 1299 1st Ave, New York, NY, MW-6A - 07/12/10 08:00

Sample Collected By: Hydro Tech Environmental

Purchase Order: Number: 4292

Date Samples Received: 07/12/10 10:00

Lab ID Number: 1007032-02

Sample Qualifier(s):

<u>Analyte</u>	<u>Results</u>	<u>Qual</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
Benzene	<1.00		ug/L	1.00	07/14/10 15:00	VNS	SW 8260B
Bromobenzene	<2.00		ug/L	2.00	07/14/10 15:00	VNS	SW 8260B
Bromochloromethane	<1.00		ug/L	1.00	07/14/10 15:00	VNS	SW 8260B
Bromodichloromethane	<5.00		ug/L	5.00	07/14/10 15:00	VNS	SW 8260B
Bromoform	<1.00		ug/L	1.00	07/14/10 15:00	VNS	SW 8260B
Bromomethane	<2.00		ug/L	2.00	07/14/10 15:00	VNS	SW 8260B
sec-Butylbenzene	<1.00		ug/L	1.00	07/14/10 15:00	VNS	SW 8260B
n-Butylbenzene	<1.00		ug/L	1.00	07/14/10 15:00	VNS	SW 8260B
tert-Butylbenzene	<1.00		ug/L	1.00	07/14/10 15:00	VNS	SW 8260B
Carbon Tetrachloride	<2.00		ug/L	2.00	07/14/10 15:00	VNS	SW 8260B
Chlorobenzene	<1.00		ug/L	1.00	07/14/10 15:00	VNS	SW 8260B
Chloroethane	<2.00		ug/L	2.00	07/14/10 15:00	VNS	SW 8260B
<b>Chloroform</b>	<b>7.24</b>		ug/L	1.00	07/14/10 15:00	VNS	SW 8260B
Chloromethane	<2.00		ug/L	2.00	07/14/10 15:00	VNS	SW 8260B
2-Chlorotoluene	<2.00		ug/L	2.00	07/14/10 15:00	VNS	SW 8260B
4-Chlorotoluene	<2.00		ug/L	2.00	07/14/10 15:00	VNS	SW 8260B
1,2-Dibromo-3-chloropropane	<2.00		ug/L	2.00	07/14/10 15:00	VNS	SW 8260B
Dibromochloromethane	<5.00		ug/L	5.00	07/14/10 15:00	VNS	SW 8260B
1,2-Dibromoethane	<2.00		ug/L	2.00	07/14/10 15:00	VNS	SW 8260B
Dibromomethane	<1.00		ug/L	1.00	07/14/10 15:00	VNS	SW 8260B
1,2-Dichlorobenzene	<1.00		ug/L	1.00	07/14/10 15:00	VNS	SW 8260B
1,3-Dichlorobenzene	<2.00		ug/L	2.00	07/14/10 15:00	VNS	SW 8260B
1,4-Dichlorobenzene	<1.00		ug/L	1.00	07/14/10 15:00	VNS	SW 8260B
Dichlorodifluoromethane	<1.00		ug/L	1.00	07/14/10 15:00	VNS	SW 8260B
1,1-Dichloroethane	<2.00		ug/L	2.00	07/14/10 15:00	VNS	SW 8260B
1,2-Dichloroethane	<1.00		ug/L	1.00	07/14/10 15:00	VNS	SW 8260B
1,1-Dichloroethene	<1.00		ug/L	1.00	07/14/10 15:00	VNS	SW 8260B

Lab ID Number: 1007032-02

<u>Analyte</u>	<u>Results</u>	<u>Qual</u>	<u>Units</u>	<u>RL</u>	<u>Analyzed</u>	<u>By</u>	<u>Method</u>
cis-1,2-Dichloroethene	2.43		ug/L	1.00	07/14/10 15:00	VNS	SW 8260B
trans-1,2-Dichloroethene	<1.00		ug/L	1.00	07/14/10 15:00	VNS	SW 8260B
1,3-Dichloropropane	<1.00		ug/L	1.00	07/14/10 15:00	VNS	SW 8260B
2,2-Dichloropropane	<2.00		ug/L	2.00	07/14/10 15:00	VNS	SW 8260B
1,2-Dichloropropane	<2.00		ug/L	2.00	07/14/10 15:00	VNS	SW 8260B
trans-1,3-Dichloropropene	<1.00		ug/L	1.00	07/14/10 15:00	VNS	SW 8260B
1,1-Dichloropropene	<2.00		ug/L	2.00	07/14/10 15:00	VNS	SW 8260B
cis-1,3-Dichloropropene	<1.00		ug/L	1.00	07/14/10 15:00	VNS	SW 8260B
Ethylbenzene	<2.00		ug/L	2.00	07/14/10 15:00	VNS	SW 8260B
Hexachlorobutadiene	<1.00		ug/L	1.00	07/14/10 15:00	VNS	SW 8260B
Isopropylbenzene	<2.00		ug/L	2.00	07/14/10 15:00	VNS	SW 8260B
4-Isopropyltoluene	<1.00		ug/L	1.00	07/14/10 15:00	VNS	SW 8260B
Methyl-tert-Butyl Ether	<1.00		ug/L	1.00	07/14/10 15:00	VNS	SW 8260B
Methylene Chloride	<10.0		ug/L	10.0	07/14/10 15:00	VNS	SW 8260B
n-Propylbenzene	<2.00		ug/L	2.00	07/14/10 15:00	VNS	SW 8260B
Styrene	<1.00		ug/L	1.00	07/14/10 15:00	VNS	SW 8260B
1,1,2,2-Tetrachloroethane	<2.00		ug/L	2.00	07/14/10 15:00	VNS	SW 8260B
1,1,1,2-Tetrachloroethane	<1.00		ug/L	1.00	07/14/10 15:00	VNS	SW 8260B
Tetrachloroethene	<1.00		ug/L	1.00	07/14/10 15:00	VNS	SW 8260B
Toluene	<1.00		ug/L	1.00	07/14/10 15:00	VNS	SW 8260B
1,2,4-Trichlorobenzene	<1.00		ug/L	1.00	07/14/10 15:00	VNS	SW 8260B
1,2,3-Trichlorobenzene	<2.00		ug/L	2.00	07/14/10 15:00	VNS	SW 8260B
1,1,1-Trichloroethane	<1.00		ug/L	1.00	07/14/10 15:00	VNS	SW 8260B
1,1,2-Trichloroethane	<2.00		ug/L	2.00	07/14/10 15:00	VNS	SW 8260B
Trichloroethene	<1.00		ug/L	1.00	07/14/10 15:00	VNS	SW 8260B
Trichlorofluoromethane	<1.00		ug/L	1.00	07/14/10 15:00	VNS	SW 8260B
1,2,3-Trichloropropane	<5.00		ug/L	5.00	07/14/10 15:00	VNS	SW 8260B
1,2,4-Trimethylbenzene	<1.00		ug/L	1.00	07/14/10 15:00	VNS	SW 8260B
1,3,5-Trimethylbenzene	<1.00		ug/L	1.00	07/14/10 15:00	VNS	SW 8260B
Vinyl chloride	<5.00		ug/L	5.00	07/14/10 15:00	VNS	SW 8260B
m,p-Xylene	<2.00		ug/L	2.00	07/14/10 15:00	VNS	SW 8260B
o-Xylene	<1.00		ug/L	1.00	07/14/10 15:00	VNS	SW 8260B

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References & Qualifiers

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EPA - 40 Code of Federal Regulations, Part 136, October 26, 1984.

SW - SW 846 3rd Edition.

SM - Standard Methods for the Examination of Water and Wastewater, 18th edition.


LT - Lachat Method Manual, "Methods List for Automated Ion Analyzers", February 2004.

RL - Reporting Limit. The lowest level measured by the laboratory adjusted for dilution and/or dry weight correction. \* indicates reported to MDL.

New York State ELAP Laboratory ID #10950/EPA Laboratory ID #NY01292/New Jersey DEP Laboratory ID #NY006

All results are based on the sample "As Received" by the laboratory and no endorsement of the sample integrity prior to sample receipt is implied or given unless collected by Analytical Chemists Laboratory employees. Report must be reproduced in its enti

Laboratory Director:

  
Joseph P. Shaulys





# SOUTH MALL

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## CHAIN OF CUSTODY RECORD

Client: Hydro Tech Environmental Corp. Report to: Timothy Lo  
 Address: 15 Ocean Avenue, 2nd Floor tio@hydrotechenvironmental.com  
 Brooklyn, NY 11225 Results needed by: 7/16 10:00 AM  
 Tel: 718-636-0800 Fax: 718-636-0900 (Rush T/A only)

Laboratory Certification IDs: NYSDOH: 10950 NJDEP: NY006 EPA: NY01292

This Area for Lab Use Only	Y	N	Containers #	Type	Sample Information			Sample Matrix	Analysis Requested	NaOH & Ascorbic Acid	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	HCl	None
					Date	Time	Grab/Composite							
Samples received intact?	/													
Samples properly preserved?	/													
Samples ambient?		/												
Rush turnaround requested?		/												
Sample Identifiers Description/Location														
Notes (Including P.O. #):	Sample dropped off to discount need sample results by Friday, 7/16 Point 4292													
LAB-5A			2	40 mL vials	7/12	AM		GW	ELA 8260				<input checked="" type="checkbox"/>	<input type="checkbox"/>
LAB-6A			2	40 mL vials	7/12	AM		GW	ELA 8260				<input checked="" type="checkbox"/>	<input type="checkbox"/>

COLLECTED BY: Timothy Lo  
 RELINQUISHED BY: [Signature]  
 RECEIVED BY: [Signature] DATE: 7/12/10  
 RECEIVED BY: [Signature] DATE: 7/12/10  
 RECEIVED BY: [Signature] DATE: 7/12/10