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GROUNDWATER INVESTIGATION REPORT

1299 1st Avenue
New York, New York 10021



Prepared For:

Hudson Valley Bank
162-05 Crocheron Avenue
Flushing, New York 11358

Prepared On:

May 5th, 2010

Hydro Tech Job No. 100033

**GROUNDWATER
INVESTIGATION REPORT**

**1299 1st Avenue
New York, New York 10021**

May 5th, 2010

Hydro Tech Environmental Corp. appreciates the opportunity to work for Hudson Valley Bank at the property located at 1299 1st 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 1st Avenue in Manhattan, New York. The Groundwater Investigation was performed on behalf of Hudson Valley Bank.

The scope of work during the Groundwater Investigation included the installation and sampling of seven (7) monitoring wells (on-site and off-site wells). 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 micrograms per liter ($\mu\text{g}/\text{L}$) are present in groundwater beneath the central portion of the basement. The total chlorinated solvent concentrations then decrease significantly downgradient, beneath the northern sidewalk. No chlorinated solvents were detected in the groundwater cross gradient of the property; wells installed downgradient and offsite are dry.

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 Hudson Valley Bank to perform a Groundwater Investigation at the property located at 1299 1st 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 70th Street and 1st 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 1st 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 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 west along 1st Avenue.

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

2.2 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 20 feet below grade.

2.3 Objective & Project Goals

The scope of work was intended to assess the potential impact to groundwater from historical on-site dry cleaning operations. This was accomplished through the installation and sampling of seven (7) monitoring wells.

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 installation and sampling of seven (7) monitoring wells. 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 #**100550463** was issued to the mark-out. **Appendix B** contains photographs of the field work.

3.2 Monitoring Wells

Seven (7) monitoring wells, designated as MW-1 through MW-7, were installed during the investigation. MW-1 was installed utilizing Hydro Tech's remote-operated probing machine. MW-2 through MW-7 were installed utilizing Hydro Tech's ATV-mounted Geoprobe® 5410 unit. Both machines install monitoring wells utilizing direct-push technology. 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 until refusal indicative of bedrock was encountered. The water table appears to follow the bedrock elevation, suggesting it is probably perched on top of the bedrock. The total depths of the wells range from 11 feet (MW-5) to 25 feet (MW-2). All wells were installed with a sand pack and bentonite seal, and finished at grade with a limited-access manhole cover. Well construction logs and are provided as **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 9.40 feet as observed in MW-1. The depth to water beneath the sidewalks ranges from 13.70 feet in MW-4 to 14.58 feet in MW-7. The groundwater elevation in the vicinity of the Site ranges from 10.11 in MW-7 to 11.59 in MW-1. The site specific groundwater flow direction is northeast. **Figure 2** provides a groundwater flow contour map. Wells MW-3, MW-5 and MW-6 are dry.

All wells containing water 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. Since no groundwater was present in MW-3, MW-5 and MW-6, no groundwater samples were obtained from those specific wells.

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 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-4 is 161.8 $\mu\text{g/L}$ and the total VOC concentration in MW-2 is 9 $\mu\text{g/L}$. 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.

The VOC 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.

5.0 DISCUSSION OF RESULTS

The depth to water beneath the basement is 9.40 feet. The depth to water beneath the southern sidewalk of East 70th Street ranges from 13.70 feet in MW-4 to 14.38 in MW-2 and the depth to water beneath the northern sidewalk of East 70th Street is 14.58 feet. 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.

The total concentration of chlorinated contaminants detected in the groundwater beneath the southern sidewalk of East 70th Street, northeast of the Site (MW-2) is 9 µg/L. No VOCs were detected in MW-2 at concentrations exceeding regulatory standards during the current investigation.

Vinyl Chloride is detected in the groundwater beneath the southern sidewalk of East 70th 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 during the current investigation.

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 micrograms per liter ($\mu\text{g}/\text{L}$) are present in groundwater beneath the central portion of the basement. The total chlorinated solvent concentrations then decrease significantly downgradient, beneath the northern sidewalk. No chlorinated solvents were detected in the groundwater cross gradient of the property; wells installed downgradient and offsite are dry.

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.

9.0 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.

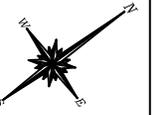
The conclusions and recommendations contained in this report are based in part, where noted, upon the data obtained from a limited number of soil samples obtained from widely spaced subsurface explorations. The nature and extent of variations between these explorations may not become evident until further 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)



E 70th STREET

1st AVENUE

SIDEWALK

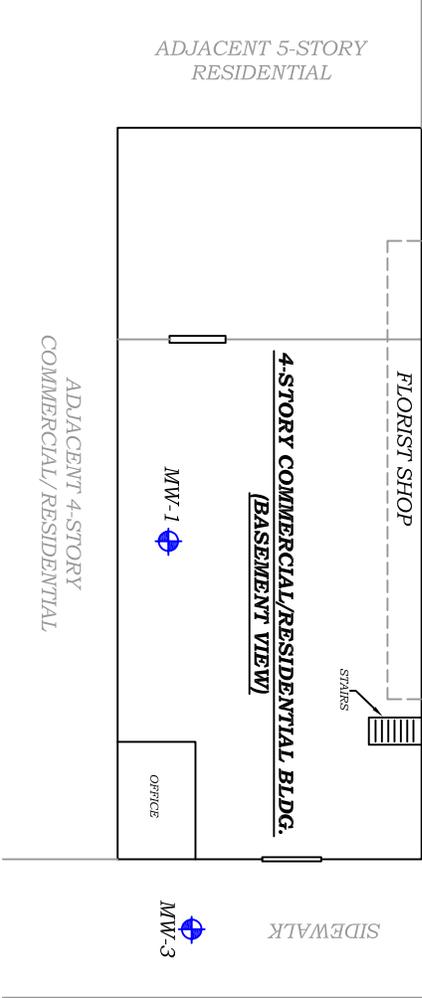
ADJACENT 22-STORY
RESIDENTIAL/COMMERCIAL
(NOT TO SCALE)



MW-4

SIDEWALK

MW-2



ADJACENT 5-STORY
RESIDENTIAL

ADJACENT 4-STORY
COMMERCIAL/RESIDENTIAL

4-STORY COMMERCIAL/RESIDENTIAL BLDG.
(BASEMENT VIEW)

FLORIST SHOP

STAIRS

OFFICE

SIDEWALK

MW-3

SIDEWALK

ADJACENT 35-STORY
RESIDENTIAL
(NOT TO SCALE)



LEGEND:



MONITORING WELL (MW)



UNDERGROUND UTILITIES CONDUIT



SCALE IN FEET (FT.)



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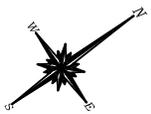
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Scale:	AS NOTED

TITLE:

FIGURE 1: SITE PLAN and MONITORING WELL LOCATIONS



ADJACENT 20-STORY
RESIDENTIAL
(NOT TO SCALE)



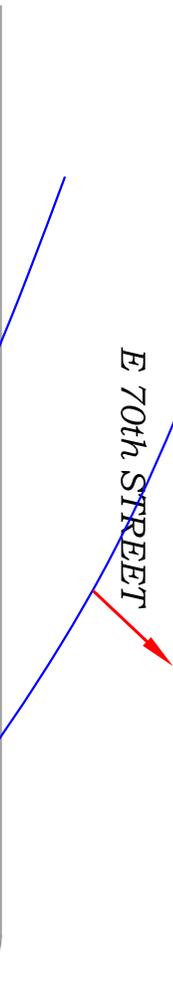
SIDEWALK

1st AVENUE

ADJACENT 22-STORY
RESIDENTIAL / COMMERCIAL
(NOT TO SCALE)



SIDEWALK



10.50

E 70th STREET

11.00

MW-4

MW-2

SIDEWALK

FLORIST SHOP

stairs

4-STORY COMMERCIAL/RESIDENTIAL BLDG.
(BASEMENT VIEW)

MW-1

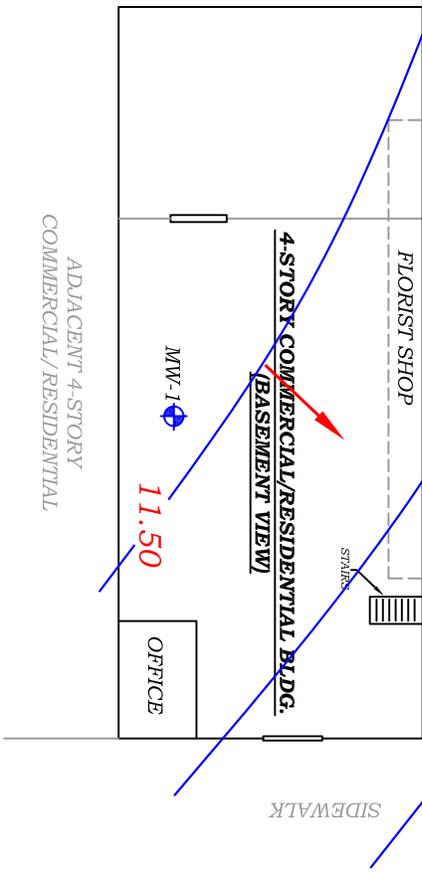
11.50

OFFICE

SIDEWALK

ADJACENT 5-STORY
RESIDENTIAL

ADJACENT 4-STORY
COMMERCIAL/RESIDENTIAL



C.I. = 0.50 FEET

MONITORING WELL ID	GROUNDWATER ELEVATION
MW-1	11.59
MW-2	10.67
MW-4	11.30
MW-7	10.11



LEGEND:

⊕ MONITORING WELL (MW)

- · - · - UNDERGROUND UTILITIES CONDUIT

C.I. CONTOUR INTERVAL



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04/05/10	
Date: <th>AS NOTED</th>	AS NOTED
Scale:	

TITLE:

FIGURE 2: GROUNDWATER FLOW CONTOUR DIAGRAM

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

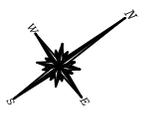
ADJACENT 20-STORY
RESIDENTIAL
(NOT TO SCALE)

MW-6	
DRY	



1st AVENUE

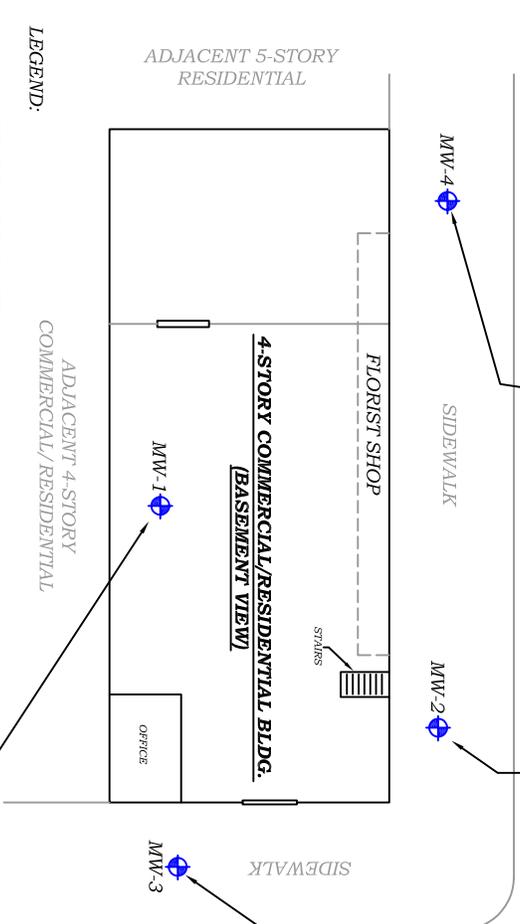
MW-5	
DRY	



MW-4	
Sample DATE	3/24/10
VOC	µg/L
Vinyl chloride	160
Total VOCs	161.8
GQS	2
NS	

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

MW-3	
DRY	



ADJACENT 5-STORY
RESIDENTIAL

ADJACENT 4-STORY
COMMERCIAL/RESIDENTIAL

ADJACENT 35-STORY
RESIDENTIAL
(NOT TO SCALE)

LEGEND:

MONITORING WELL (MW)

UNDERGROUND UTILITIES CONDUIT

VOC VOLATILE ORGANIC COMPOUNDS

µg/L MICROGRAMS PER LITER

GQS GROUNDWATER QUALITY STANDARD

NS NO STANDARD

ND NONE DETECTED

NAS NONE ABOVE NYSDEC STANDARDS

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



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 Date: 04/05/10
 Scale: AS NOTED

TITLE:

FIGURE 3: VOC CONCENTRATIONS IN GROUNDWATER

TABLES

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

Monitoring Well (MW)	Mar-10				
	Casing Elevation(ft)	Depth to Water (ft)	Total Depth of Well (ft)	Groundwater Elevation (ft)	Depth to Product (ft)
MW-1	9.01	9.40	14.00	11.59	ND
MW-2	4.95	14.38	25.00	10.67	ND
MW-3	4.85	Dry	22.00	N/A	ND
MW-4	5.00	13.70	23.00	11.30	ND
MW-5	6.33	Dry	11.00	N/A	ND
MW-6	5.70	Dry	15.00	N/A	ND
MW-7	5.31	14.58	24.00	10.11	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-7	NYSDEC TOGS 1.1.1 Groundwater Quality Standard
Sample Date	3/24/2010	3/24/2010	3/24/2010	3/24/2010	
Sample Matrix	Water	Water	Water	Water	
Units	ug/L	ug/L	ug/L	ug/L	
Volatile Organic Compounds					
Chloroform	5.6	2.7	ND	ND	7
cis-1,2-Dichloroethylene	140	ND	ND	ND	5
Tetrachloroethylene	3,300	4.8	1.8	ND	5
Trichloroethylene	120	1.5	ND	ND	5
Vinyl chloride	ND	ND	160	ND	2
Total VOCs	3,565.6	9	161.8	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



Well Installation in Sidewalk NE of Site



Well Installation in Sidewalk N of Site



Finished Monitoring Well



APPENDIX B
WELL CONSTRUCTION LOGS



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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			
16			
18			
20			
22			
24			
26			
28			
30			
32			
34			
36			



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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			5" Manhole Cover.
4			0'-1.00' - Native Soil.
6			1.00'-2.00' - Bentonite Seal.
8			2'-25.00' - #2 Sand.
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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-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.
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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-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.
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HYDRO TECH ENVIRONMENTAL CORP.

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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-5 Screen Size: 0.010"

Drilling Method: DIRECT PUSH Screen Interval: 6.00'

Total Depth: 11.00' Diameter: 1"

Depth to Water: No Water Riser Length: 5.00'

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'-11.00' - #2 Sand
10			0'-5.00' - Riser
12			5'-11.00' - Screen
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HYDRO TECH ENVIRONMENTAL CORP.

MAIN OFFICE:
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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-6 Screen Size: 0.010"

Drilling Method: DIRECT PUSH Screen Interval: 10.00'

Total Depth: 15.00' Diameter: 1"

Depth to Water: No Water Riser Length: 5.00'

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'-15.00' - #2 Sand
10			0'-5.00' - Riser
12			5'-15.00' - Screen
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HYDRO TECH ENVIRONMENTAL CORP.

MAIN OFFICE:
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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-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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APPENDIX C
LABORATORY RESULTS

YORK

ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Hydro Tech Environmental (Brooklyn)

15 Ocean Avenue

Brooklyn NY, 11225

Attention: Timothy Lo

Report Date: 03/31/2010

Client Project ID: 1299 1st Ave New York, NY

York Project (SDG) No.: 10C0914

CT License No. PH-0723

New Jersey License No. CT-005



New York License No. 10854

PA Reg. 68-04440

Hydro Tech Environmental (Brooklyn)

15 Ocean Avenue
Brooklyn NY, 11225
Attention: Timothy Lo

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 25, 2010 and listed below. The project was identified as your project: **1299 1st Ave New York, NY**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
10C0914-01	MW-1	Water	03/24/2010	03/25/2010
10C0914-02	MW-2	Water	03/24/2010	03/25/2010
10C0914-03	MW-4	Water	03/24/2010	03/25/2010
10C0914-04	MW-7	Water	03/24/2010	03/25/2010

General Notes for York Project (SDG) No.: 10C0914

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.

Approved By:



Robert Q. Bradley
Managing Director

Date: 03/31/2010

YORK

Sample Information

Client Sample ID: MW-1

York Sample ID: 10C0914-01

York Project (SDG) No.
10C0914

Client Project ID
1299 1st Ave New York, NY

Matrix
Water

Collection Date/Time
March 24, 2010 3:00 pm

Date Received
03/25/2010

Volatile Organics, 8260 List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	03/30/2010 20:51	03/30/2010 20:51	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.53	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.37	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
67-66-3	Chloroform	5.6		ug/L	0.36	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS

Sample Information

Client Sample ID: MW-1

York Sample ID: 10C0914-01

York Project (SDG) No.
10C0914

Client Project ID
1299 1st Ave New York, NY

Matrix
Water

Collection Date/Time
March 24, 2010 3:00 pm

Date Received
03/25/2010

Volatile Organics, 8260 List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	03/30/2010 20:51	03/30/2010 20:51	SS
156-59-2	cis-1,2-Dichloroethylene	140		ug/L	0.96	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
87-68-3	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.39	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
75-09-2	Methylene chloride	3.3	J, B	ug/L	1.1	10	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
91-20-3	Naphthalene	ND		ug/L	0.50	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.32	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.58	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.25	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.52	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
100-42-5	Styrene	ND		ug/L	0.43	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
127-18-4	Tetrachloroethylene	3300		ug/L	26	250	50	"	03/30/2010 20:51	03/31/2010 10:35	SS
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
79-01-6	Trichloroethylene	120		ug/L	0.57	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	"	03/30/2010 20:51	03/30/2010 20:51	SS

Sample Information

Client Sample ID: MW-2

York Sample ID: 10C0914-02

York Project (SDG) No.
10C0914

Client Project ID
1299 1st Ave New York, NY

Matrix
Water

Collection Date/Time
March 24, 2010 3:00 pm

Date Received
03/25/2010

Sample Information

Client Sample ID: MW-2

York Sample ID: 10C0914-02

York Project (SDG) No.
10C0914

Client Project ID
1299 1st Ave New York, NY

Matrix
Water

Collection Date/Time
March 24, 2010 3:00 pm

Date Received
03/25/2010

Volatile Organics, 8260 List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	03/29/2010 09:57	03/31/2010 11:19	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.53	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.37	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
67-66-3	Chloroform	2.7	J	ug/L	0.36	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS

Sample Information

Client Sample ID: MW-2

York Sample ID: 10C0914-02

York Project (SDG) No.
10C0914

Client Project ID
1299 1st Ave New York, NY

Matrix
Water

Collection Date/Time
March 24, 2010 3:00 pm

Date Received
03/25/2010

Volatile Organics, 8260 List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	03/29/2010 09:57	03/31/2010 11:19	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
87-68-3	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.39	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
75-09-2	Methylene chloride	2.7	J, B	ug/L	1.1	10	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
91-20-3	Naphthalene	ND		ug/L	0.50	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.32	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.58	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.25	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.52	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
100-42-5	Styrene	ND		ug/L	0.43	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
127-18-4	Tetrachloroethylene	4.8	J	ug/L	0.52	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
79-01-6	Trichloroethylene	1.5	J	ug/L	0.57	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	"	03/29/2010 09:57	03/31/2010 11:19	SS

Sample Information

Client Sample ID: MW-4

York Sample ID: 10C0914-03

York Project (SDG) No.
10C0914

Client Project ID
1299 1st Ave New York, NY

Matrix
Water

Collection Date/Time
March 24, 2010 3:00 pm

Date Received
03/25/2010

Volatile Organics, 8260 List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

Client Sample ID: MW-4

York Sample ID: 10C0914-03

York Project (SDG) No.
10C0914

Client Project ID
1299 1st Ave New York, NY

Matrix
Water

Collection Date/Time
March 24, 2010 3:00 pm

Date Received
03/25/2010

Volatile Organics, 8260 List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	03/29/2010 09:57	03/30/2010 22:20	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.53	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.37	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS

Sample Information

Client Sample ID: MW-4

York Sample ID: 10C0914-03

York Project (SDG) No.
10C0914

Client Project ID
1299 1st Ave New York, NY

Matrix
Water

Collection Date/Time
March 24, 2010 3:00 pm

Date Received
03/25/2010

Volatile Organics, 8260 List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	03/29/2010 09:57	03/30/2010 22:20	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
87-68-3	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.39	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
75-09-2	Methylene chloride	2.8	J, B	ug/L	1.1	10	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
91-20-3	Naphthalene	ND		ug/L	0.50	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.32	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.58	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.25	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.52	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
100-42-5	Styrene	ND		ug/L	0.43	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
127-18-4	Tetrachloroethylene	1.8	J	ug/L	0.52	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
79-01-6	Trichloroethylene	ND		ug/L	0.57	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS
75-01-4	Vinyl Chloride	160		ug/L	0.97	5.0	1	"	03/29/2010 09:57	03/30/2010 22:20	SS

Sample Information

Client Sample ID: MW-7

York Sample ID: 10C0914-04

York Project (SDG) No.
10C0914

Client Project ID
1299 1st Ave New York, NY

Matrix
Water

Collection Date/Time
March 24, 2010 3:00 pm

Date Received
03/25/2010

Sample Information

Client Sample ID: MW-7

York Sample ID: 10C0914-04

York Project (SDG) No.
10C0914

Client Project ID
1299 1st Ave New York, NY

Matrix
Water

Collection Date/Time
March 24, 2010 3:00 pm

Date Received
03/25/2010

Volatile Organics, 8260 List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	03/29/2010 09:57	03/30/2010 23:04	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.53	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.37	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS

Sample Information

Client Sample ID: MW-7

York Sample ID: 10C0914-04

York Project (SDG) No.
10C0914

Client Project ID
1299 1st Ave New York, NY

Matrix
Water

Collection Date/Time
March 24, 2010 3:00 pm

Date Received
03/25/2010

Volatile Organics, 8260 List

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	03/29/2010 09:57	03/30/2010 23:04	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
87-68-3	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.39	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
75-09-2	Methylene chloride	2.8	J, B	ug/L	1.1	10	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
91-20-3	Naphthalene	ND		ug/L	0.50	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.32	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.58	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.25	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.52	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
100-42-5	Styrene	ND		ug/L	0.43	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.52	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
79-01-6	Trichloroethylene	ND		ug/L	0.57	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	"	03/29/2010 09:57	03/30/2010 23:04	SS

Notes and Definitions

J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank.
<hr/>	
ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 10C0914

YOUR Information Company: <u>Hydro Tech Environmental Services Corp.</u> Address: <u>15 Ocean Ave, 2nd Floor</u> <u>Brooklyn, NY 11225</u> Phone No. <u>718-636-0800</u> Contact Person: <u>Timothy Lo</u> E-Mail Address: <u>+10@hydrotechenv.com</u>		Report To: Company: <u>Commate, NY</u> Address: <u>Commate, NY</u> Phone No. <u> </u> Attention: <u> </u> E-Mail Address: <u> </u>		Invoice To: Company: <u>Commate, NY</u> Address: <u>Commate, NY</u> Phone No. <u> </u> Attention: <u> </u> E-Mail Address: <u> </u>		YOUR Project ID <u>1299 1st Ave</u> <u>New York, NY</u> Purchase Order No. <u>4043</u>		Turn-Around Time RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard (5-7 Days) <input checked="" type="checkbox"/>		Report Type/Deliverables Summary Report <input checked="" type="checkbox"/> Summary w/ QA Summary <input type="checkbox"/> CT RCP Package <input type="checkbox"/> NY ASP A Package <input type="checkbox"/> NY ASP B Package <input type="checkbox"/> Electronic Deliverables: <input type="checkbox"/> EDD (Specify Type) <input type="checkbox"/> Excel <input type="checkbox"/>	
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Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Matrix Codes S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor	Volatiles 8260 full 624 STARS list BTEX MTBE TCL list TAGM list CT RCP list Arom. only Halog. only App. IX list 8021B list	Semi-Vols. Pest/PCB/Herb 8270 or 625 STARS list BN Only Acids Only PAH list TAGM list CT RCP list TCL list NJDEP list App. IX TCLP BNA 608 Pest SPLP or TCLP 608 PCB	Metals RCRA8 PPI3 list TAL CT15 list TAGM list NJDEP list Total Dissolved SPLP or TCLP Ind. Metals LIST Below	Misc. Org. TPH GRO TPH DRG CT ETPH NY 310-13 TPH 1664 Air TO 14A Air TO 15 Air STARS Air VPH Air TICs Methane Helium	Full Lists Pri. Poll. TCL DRG TAL MeqCN Full TCLP Full App. IX Part 360-Routine Part 360-Baseline Part 360-Expanded Part 360-Target Full List NYCEP Power NYSDDE Cover TAGM	Common Miscellaneous Parameters Corrosivity Reactivity Ignitability Flash Point Sieve Anal. Hexachlorobiphenyls TOX BTU/lb. Aquatic Tox. TOC Asbestos Silica	Nitrate Nitrite TKN Tot. Nitrogen Ammonia-N Chloride Phosphate Tot. Phos. Oil & Grease F.O.G. pH MBAS	Color Phenols Cyanide-T Cyanide-A BOD5 CBOD5 BOD28 COD TSS Total Solids TDS TPH 1664	Special Instructions Field Filtered <input type="checkbox"/> Lab to Filter <input type="checkbox"/>
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Choose Analyses Needed from the Menu Above and Enter Below		Container Description(s) <u>(2) 40 mL vials</u>
Sample Identification <u>MW-1</u>	Date Sampled <u>3/24/0</u>	Sample Matrix <u>GW</u>
<u>MW-2</u>	↓	↓
<u>MW-4</u>	↓	↓
<u>MW-7</u>	↓	↓
Comments <u>S-day firm → next by 3/31</u> <u>asper Marty, day 1 = day samples picked up.</u>	Preservation Check those Applicable 4°C <input checked="" type="checkbox"/> Frozen <input type="checkbox"/> MeOH <input checked="" type="checkbox"/> HCl <input type="checkbox"/> H ₂ O <input type="checkbox"/> NaOH ZnAc <input type="checkbox"/> Ascorbic Acid <input type="checkbox"/> Other <input type="checkbox"/>	Temperature on Receipt <u>4.0°C</u>
Samples Relinquished By <u>Timothy Lo</u> Date/Time <u>3/25 8:40AM</u>		Samples Received By <u>Bernard Horton</u> Date/Time <u>3/25/10 8:37AM</u>
Samples Relinquished By <u>P. Grace</u> Date/Time <u>3/25/10 16:50</u>		Samples Received in LAB by <u> </u> Date/Time <u> </u>