O'BRIEN & GERE

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Date: October 30, 2007

File: 10653/36951

Re: Final Report

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_X_ herewith ___ under separate cover ___ drawings _X_ descriptive literature ___ letters

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4	10653/36951	Report - Jimmy's Dry Cleaners Roosevelt, New York NYSDEC Site #1-30-080 Supplemental Feasibility Study Sampling Report – OU1 and OU2 New York State Department of Environmental Conservation Albany, New York October 2007	F

*Action letter code: **R**-reviewed **N**-reviewed and noted **I**-for your information **S**-resubmit **J**-rejected **F**-final report

Remarks:

cc: Marc J. Dent, P.E. – O'Brien & Gere
James R. Heckathorne, P.E. – O'Brien & Gere

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.

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Senior Project Engineer

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REPORT

Jimmy's Dry Cleaners
Roosevelt, New York
NYSDEC Site #1-30-080

Supplemental Feasibility Study Sampling Report – OU1 and OU2

New York State Department of
Environmental Conservation
Albany, New York

October 2007

O'BRIEN & GERE

Job No. 10653/36951

REPORT

Jimmy's Dry Cleaners
Roosevelt, New York
NYSDEC Site #1-30-080

Supplemental Feasibility Study
Sampling Report – OU1 and OU2

New York State
Department of Environmental Conservation
Albany, New York

James R. Heckathorne, P.E.
Vice President

October 2007

O'BRIEN & GERE

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1. Introduction

1.1. General

O'Brien & Gere has developed this Supplemental Feasibility Study (SFS) Sampling report to summarize the project activities and field activities conducted from April 2005 to October 2007 for Jimmy's Dry Cleaners located at 61 Nassau Road in Roosevelt, Nassau County, New York.

Under Work Assignments #D004090-25 and #D004090-25.1, monitoring wells were installed, soil, ground water, and soil vapor samples were collected and analyzed, laboratory data was validated, and instrument surveys were conducted.

1.2. Site Location and Background

The Jimmy's Dry Cleaners site is a former dry cleaning business located in Nassau County at 61 Nassau Road in Roosevelt, New York. Refer to **Figure 1**. The Jimmy's Dry Cleaners site is rectangular in shape and approximately 0.23 acre in size. A commercial building which housed Jimmy's Dry Cleaners is located on the property. Refer to **Figure 2**. The building is tentatively scheduled for demolition in 2007.

In 1988, as a result of a site inspection by Nassau County Department of Health (NCDOH), it was determined that the dry cleaning operations and hazardous materials stored at the site presented a risk to public health and the environment.

Historical releases of hazardous wastes by Jimmy's Dry Cleaners have caused documented soil and ground water contamination at the site. In 1994, soil and ground water samples confirmed the presence of tetrachloroethene or perchloroethene (PCE) and other volatile organic compounds (VOCs) in the ground water and soil. Additional investigations confirmed the presence of VOCs in soil gas and indoor air. Due to the extent of the contamination, the area to be investigated was subdivided into two operable units. Operable Unit 1 (OU1) encompasses the Jimmy's Dry Cleaners property and the surrounding residential and commercial neighborhoods. OU1 is bounded by Taylor Avenue to the north, Nassau Road to the east, Davis Street to the south, and Dutchess Street to the west. Operable Unit 2 (OU2) encompasses the commercial and residential neighborhoods to the south of the site. Refer to **Figure 3**.

2. Scope of Work

The original Work Assignment (WA), #D004090-25, was submitted on February 28, 2006 and approved by NYSDEC on March 13, 2006. The scope of work proposed for WA #D004090-25 consists of the following tasks:

Task 1 – Project Management Work Plan
Task 2 – OU2 Ground Water and Soil Vapor Investigations
Task 3 – OU1 SVE IRM Operation and Maintenance
Task 4 – Administration

At the request of NYSDEC, the following tasks were added:

Task 5 – Structural Evaluation
Task 6 – Additional Soil Vapor Activities

Based on the ground water and soil vapor analytical results from the tasks performed above, additional data was required to properly evaluate OU2. At the request of NYSDEC, O'Brien & Gere submitted Amendment 1, WA #D004090-25.1, on April 2, 2007 to conduct additional activities at OU2. A revised version of the amendment was submitted to NYSDEC on April 23, 2007. The amendment was approved by NYSDEC on May 10, 2007.

The scope of work proposed for Amendment 1, WA #D004090-25.1 consists of the following tasks:

Task 7 – Resample Existing Ground Water Monitoring Wells
Task 8 – Collect Soil and Ground Water Samples near Soil Vapor Point SV-40
Task 9 – Installation of Three Downgradient Monitoring Well Nests (Nine Wells)
Task 10 – Focused Feasibility Study

2.1. Supplemental FS Field Activities

Based on the tasks presented above, the following field activities were conducted.

- Install five continuous multi-chamber tubing (CMT) monitoring wells in OU2. Refer to **Figure 3**.
- Collect ground water samples from the 5 CMT wells and the 13 existing monitoring wells, ITMW-1S, 1D, 2S, 2D, 3S, 3D, 4S, 4D, PZ-1, PZ-2, PZ-3, ITDGW-1, and ITDGW-26, and analyze the samples for VOCs via EPA Method 8260.
- Install soil vapor probes for a soil vapor survey in and around OU1 and OU2 to evaluate if VOC vapors are present in the soil. Collect soil vapor samples and analyze the samples for VOCs using EPA Method TO-15. Refer to **Figure 3**.
- Resample the existing ground water monitoring wells mentioned above and analyze the samples for VOCs via EPA Method 8260.
- Collect additional soil and ground water samples near SV-40 and analyze the samples for VOCs via EPA Method 8260.

- Install three nested monitoring wells (9 wells) south of OU2. Collect ground water samples from the three nested monitoring wells, ITMW-2S, ITMW-2D, and CMT-5, and analyze the samples for VOCs via EPA Method 8260.

2.1.1. CMT Well Installation and Sampling

Five CMT wells were proposed in OU2. Each CMT well contains three ports with a 6-inch screened section that are set at the depths shown below. To obtain approvals from the local authorities for the CMT wells and soil vapor probe locations, O'Brien & Gere contacted the Village of Freeport in April 2006 and the Town of Hempstead Highway Department and Nassau County in May 2006. Refer to the correspondences with the Village of Freeport, the Town of Hempstead, and Nassau County in **Appendix A**. NYSDEC notified O'Brien & Gere that the approval from Nassau County was not required since the soil vapor locations were not located on the county road (Nassau Road). The approvals from the Village of Freeport and the Town of Hempstead Highway Department were granted on May 8, 2006.

The installation of the 5 CMT wells, CMT-1, 2, 3, 4, and 5, was completed on May 30, 2006 by Aquifer Drilling & Testing (ADT), Inc. of New Hyde Park, New York. Refer to the daily field reports in **Appendix B** and the well completion logs in **Appendix C**. CMT-5 was installed using a direct push rig, as originally proposed in the work plan. However, due to field conditions, the direct push method could not be used for CMT-1, 2, 3, and 4. These wells were installed using a hollow stem auger. The screen intervals of the CMT wells are as follow:

Well ID	Screen Interval (ft)
CMT-1	33.5-34; 58.5-59; 98.5-99
CMT-2	34.5-35; 59.5-60; 99.5-100
CMT-3	39.5-40; 64.5-65; 104.5-105
CMT-4	29.5-30; 54.5-55; 94.5-95
CMT-5	27.75-28.25; 52.75-53.25; 82.75-83.25

Following completion of the well installations, a survey of the 5 CMT wells and the 13 existing monitoring wells was completed by YEC Inc., of Valley Cottage, New York. Refer to **Table 1**. Ground water samples were collected by YEC from the 5 CMT wells (at each of the three discrete ports – 15 samples) and the 13 existing monitoring wells (ITMW-1S, 1D, 2S, 2D, 3S, 3D, 4S, 4D, PZ-1, PZ-2, PZ-3, ITDGW-1, and ITDGW-26). The samples were forwarded to Mitkem Corporation in Warwick, Rhode Island for VOC analysis. Refer to the chain of custody records in **Appendix D**. The analytical results for the ground water sampling are discussed in Section 3 of this report.

The drill cuttings and well development water from the well installation and the purge water from the well sampling activities were contained in 55-gallon drums. Refer to section 2.2 for discussion on disposal of wastes generated from field activities.

2.1.2. Soil Vapor Investigation and Additional Soil Vapor Activities

For the initial soil vapor survey, soil vapor probes SV-1 through 40 were installed in OU1 and OU2 in May 2006 by Zebra Environmental Corporation of Lynbrook, New York. A direct push method was used to install the soil vapor probes to approximately 8 ft below ground surface (bgs). Soil vapor samples were collected by O'Brien & Gere using evacuated, one-liter Summa® canisters and the samples were sent to Chemtech in Mountainside, New Jersey for VOC analysis. Refer to the chain of custody records in **Appendix E**. The analytical results for the soil vapor sampling are discussed in Section 3 of this report.

Upon NYSDEC's request, resampling was conducted on June 13, 2006 for SV-4, 8, 9, 14, 22, 25, 28, 30, and 40, and additional soil vapor sample locations, SV-4A, 22A, 25A, and 40A, were hand-driven and sampled on June 28 to 29, 2006 by O'Brien & Gere. The samples were sent to Princeton Analytical in Flemington, New Jersey for VOC analysis. Refer to the chain of custody records in **Appendix F**. The analytical results for the soil vapor resampling are discussed in Section 3 of this report.

Additional soil vapor activities were requested by NYSDEC. Soil vapor probes SV-41 through 56 were installed in August 2006 by Zebra Environmental. Similar to the soil vapor survey conducted in May 2006, a direct push method was used to install the soil vapor probes to approximately 8 ft below ground surface (bgs). Soil vapor samples were collected by O'Brien & Gere using evacuated, one-liter Summa® canisters and ambient air samples were collected using evacuated, six-liter Summa® canisters. The samples were sent to Princeton Analytical for VOC analysis. Refer to the chain of custody records in **Appendix G**. The analytical results for the additional soil vapor sampling are discussed in Section 3 of this report.

2.1.3. Resample Existing Ground Water Monitoring Wells

The existing ground water monitoring wells were resampled by YEC to analyze for parameters, which are consistent with the EPA's monitoring guidance for the evaluation and performance of natural ground water remediation when considering chemical injection and/or biodegradation.

This task included the following:

- Resample existing ground water monitoring wells CMT 1, 2, 3, 4 and 5 (at each of three discrete ports - 15 samples) and ITMW-1S, 1D, 2S, 2D, 3S, 3D, 4S, 4D, PZ-1, PZ-2, PZ-3, ITDGW-1 and ITDGW-26 (13 samples).
- Analyze the ground water samples on-site, using field kits and portable instrumentation, for pH, temperature, specific conductivity, turbidity, dissolved oxygen, dissolved ferrous iron (Fe^{2+}) and oxidation-reduction potential (ORP).
- Analyze ground water samples for the following parameters:
  - VOCs via EPA Method 8260
  - Dissolved light hydrocarbons (methane, ethane, ethene) via Microseeps AMA20GAXA
  - Low level volatile fatty acids via Microseeps AM-23G
  - Total organic carbon (TOC) via EPA Method 9060
  - Sulfide via EPA Method 376.2
  - Sulfate via EPA Method 375.4
  - Nitrate via EPA Method 352.1
  - Nitrite via EPA Method 354.1
  - Total Manganese (Mn) via EPA Method 6010
  - Total Sodium (Na) via EPA Method 6010
  - Total Chloride (Cl) via EPA Method 300.0

YEC completed the ground water sampling in February 2007. The ground water was pumped and analyzed on-site for pH, temperature, specific conductivity, turbidity, dissolved oxygen, Fe^{2+}, and ORP. Refer to the daily field reports in **Appendix H** and the ground water sampling logs in **Appendix I**. Ground water samples were collected and sent to Microseeps, Inc. in Pittsburgh, Pennsylvania for dissolved light hydrocarbons, low level volatile fatty acids, and TOC analyses, and to Mitkem Corporation for the remaining analyses mentioned above. Refer to the chain of custody

records in **Appendix J**. The analytical results for the ground water sampling are discussed in Section 3 of this report.

2.1.4. Collect Additional Soil and Ground Water Samples near Soil Vapor Point SV-40

Due to the high concentrations of PCE in the soil vapor samples collected in the area of SV-40 and 40A, which are located near Nassau Road and Colonial Avenue, soil and ground water samples were collected near SV-40 and 40A to evaluate if additional permanent monitoring wells should be installed.

This task included the following:

- Use a direct push method at four sampling locations (DP-1, DP-2, DP-3, and DP-4) to collect soil samples from two locations with the highest PID readings based on field screening and ground water samples from the four locations near SV-40 and 40A. Refer to **Figure 3**.
- Analyze the soil and ground water samples for VOCs via EPA Method 8260.

O'Brien & Gere contacted the Village of Freeport in April and May 2007 to obtain approval for the sampling locations. Refer to the correspondence with the Village of Freeport in **Appendix K**. The direct push activities were conducted by Zebra Environmental and sampling was completed by O'Brien & Gere in May 2007. O'Brien & Gere collected soil samples from DP-1 and DP-2 and ground water samples from DP-1, 2, 3, and 4. Refer to the daily field reports in **Appendix L** and the soil boring logs in **Appendix M**. The soil samples were screened in the field with a PID and six soil samples with the highest VOC concentrations (plus QA/QC samples) were sent to Mitkem Corporation for VOC analysis. Ground water samples were collected at 20, 40, 60 and 80-ft depths at each location. The ground water samples (plus QA/QC samples) were also sent to Mitkem for VOC analysis. Refer to the chain of custody records in **Appendix N**. The analytical results for the ground water sampling are discussed in Section 3 of this report.

2.1.5. Installation of Three Nested Monitoring Wells

The vertical and horizontal extent of VOCs in the ground water was not well-defined downgradient of Jimmy's Dry Cleaners. Available data indicated relatively discrete migration zones at various depths. Sample locations and vertical spacing of sample intervals were too large and inconsistent to accurately document the vertical and horizontal extent. Sampling depth intervals were not consistent to allow comparison.

Based on previous ground water data provided by Shaw Environmental & Infrastructure Engineering of New York, P.C. (Shaw), only one sampling point in OU2, ITDGW-30, defined the vertical profile of the ground water. Refer to **Figure 3**.

This task included the following:

- Use a hollow stem auger at three downgradient locations east and west of ITMW-3S and 3D to collect vertical profile data. (Two wells are located on West Milton Street and one well on East Milton Street. The wells are located approximately 500 ft apart). Refer to **Figure 3**.
- Collect ground water samples (47 samples plus QA/QC samples) at every 10-ft interval ahead of the auger using a stainless steel screen.

- Analyze the initial ground water samples for VOCs via EPA Method 8260. This data was used for screening purposes and was not validated.
- Based on the analytical results, select a screen depth and install three permanent nested wells (9 wells).
- Collect ground water samples from each new well (9 samples plus QA/QC samples), CMT-5, ITMW-2S and ITMW-2D (3 samples plus QA/QC samples) a minimum of 2 weeks subsequent to completion of the well installation activities to allow sufficient time for the wells to equilibrate.
- Analyze the ground water samples for VOCs via EPA Method 8260.
- Conduct an instrument survey of the three permanent monitoring wells.

O'Brien & Gere contacted the Village of Freeport in April and May 2007 to obtain approval for the sampling locations. Refer to the correspondences with the Village of Freeport in **Appendix K** and **Appendix O**.

The drilling activities were conducted by ADT and the initial sampling was completed by YEC in May 2007 for MW-1, 2, and 3. The monitoring wells were installed using a hollow stem auger and advanced to the following approximate depth: MW-1, 150 ft; MW-2, 200 ft; and MW-3, 150 ft. Refer to the daily field reports in **Appendix P** and the soil boring logs in **Appendix Q**.

At each well location, the ground water pH, temperature, specific conductivity, turbidity, and dissolved oxygen were measured and recorded on-site. Refer to the ground water sampling logs in **Appendix R**. Ground water samples were collected at every 10-ft interval starting at 20 ft bgs and the samples were sent to Mitkem Corporation for VOC analysis. Refer to the chain of custody records in **Appendix S**. The analytical results for the initial ground water sampling are discussed in Section 3 of this report.

At each monitoring well location, three (3) permanent nested wells, shallow (S), intermediate (I), and deep (D), were installed at depths based on the highest VOC results from the initial ground water sampling and previous ground water samplings of existing, upgradient monitoring wells. Refer to the daily field reports in **Appendix P** and the well completion logs in **Appendix T**. The depths at which the nested wells were installed are as follows:

Well ID	Type	Depth (ft)
MW-1S	Shallow	30
MW-1I	Intermediate	90
MW-1D	Deep	120
MW-2S	Shallow	25
MW-2I	Intermediate	90
MW-2D	Deep	120
MW-3S	Shallow	35
MW-3I	Intermediate	100
MW-3D	Deep	120

Each nested well was purged and the ground water pH, temperature, specific conductivity, turbidity, and dissolved oxygen were recorded. Refer to **Appendix U**.

The installed wells were allowed to equilibrate for approximately 4 weeks prior to sampling. A survey of the installed wells was completed by YEC and ground water samples from the 9 wells, MW-1S, 1I, 1D, 2S, 2I, 2D, 3S, 3I, and 3D, and the existing wells, CMT-5, ITMW-2S, and ITMW-2D were collected by YEC. The samples were sent to Mitkem Corporation for VOC analysis. Refer

to the chain of custody records in **Appendix V**. The analytical results for the ground water sampling of the nested wells are discussed in Section 3 of this report.

2.2. Disposal of Wastes Generated from Field and Monitoring Activities

Since June 2005, there were six (6) drums of spent carbon from the SVE system. The drums were picked up from the site on January 31, 2007, and transported by Autumn Industries, Inc. based in Warren, Ohio, to Calgon Carbon Corporation in Catlettsburg, Kentucky for thermal regeneration. Refer to a copy of the hazardous waste manifest in **Appendix W**.

Solid and liquid wastes were generated from the field activities involving sampling and monitoring well installations. The solid waste consists of soil or drill cuttings from the well installations and the liquid waste consists of ground water from the well development, purging, and knockout water from the SVE system. The solid and liquid wastes were contained in 55-gallon drums and stored on site prior to pickup for disposal. Since May 2006, one hundred and thirty-three (133) drums of solid and liquid wastes were generated from the field activities. The drums were picked up on the following dates and transported by Chemical Pollution Control, Inc. (also known as Philip Services Corp) to its facility in Bayshore, NY for disposal:

- May 16, 2006 – 5 drums
- July 26, 2007 – 40 drums
- August 8, 2007 – 17 drums
- August 23, 2007 – 47 drums
- September 8, 2007 – 24 drums

Refer to copies of the bill of lading in **Appendix X**.

3. Analytical Results

This section provides the summary of the field activities and the analytical results for the sampling conducted for the SFS. NYSDEC will use the data presented in this section and the data presented in the OU1 and OU2 RI to evaluate the remedial alternatives presented in the OU2 FS for Jimmy's Dry Cleaners.

The electronic copies of the analytical data packages from the laboratories and data validation are provided in the compact disc included in **Appendix Y** of this report. An independent data validation contractor, Nancy Potak of Greensboro, Vermont, provided the data validation of the analytical results.

3.1. CMT and Existing Ground Water Monitoring Wells Sampling and Resampling

In June 2006, ground water samples were collected from the 5 CMT wells and 13 existing monitoring wells, ITMW-1S, 1D, 2S, 2D, 3S, 3D, 4S, 4D, PZ-1, PZ-2, PZ-3, ITDGW-1, and ITDGW-26. The ground water samples were analyzed for VOCs using EPA Method 8260.

The second round of ground water samples from the CMT wells and the 13 monitoring wells were collected in the February 2007 and the ground water samples were analyzed for the following compounds using the following analytical methods:

- VOCs via EPA Method 8260
- Sulfide via EPA Method 376.2
- Sulfate via EPA Method 375.4
- Nitrate via EPA Method 352.1
- Nitrite via EPA Method 354.1
- Total Manganese (Mn) via EPA Method 6010
- Total Sodium (Na) via EPA Method 6010
- Total Chloride (Cl) via EPA Method 300.0
- Total organic carbon (TOC) EPA Method 9060
- Dissolved light hydrocarbons (methane, ethane, ethene) via Microseeps AMA20GAXA
- Low level volatile fatty acids via Microseeps AM-23G

Per NYSDEC's request, the ground water VOC analytical data from the June 2006 and February 2007 sampling events were validated. A summary of the ground water analytical results is provided in **Table 2**. As shown in the table, the analytical results from both sampling events were compared to applicable screening values (standards or guidance values) from NYSDEC's Division of Water Technical and Operational Guidance Series (TOGS 1.1.1), *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations*, June 1998, and its April 2000 Addendum.

For the June 2006 sampling, the following compounds in the samples from the following wells exceeded the applicable screening values:

Compound	Sample Location	Screen Interval or Well Depth (ft)
Tetrachloroethene (PCE)	CMT-1	58.5-59; 98.5-99
	CMT-3	39.5-40; 64.5-65
	CMT-5	52.75-53.25; 82.75-83.25 (sample diluted)

Compound	Sample Location	Screen Interval or Well Depth (ft)
	ITDGW-1	24.8 (detected in blank)
	ITMW-1S	55.5-65.5 (sample diluted)
	ITMW-1D	95.5-105.5 (sample diluted)
	ITMW-2S	40.5-50.5
	ITMW-2D	91.5-101.5 (sample diluted)
	ITMW-3D	80-90
	PZ-1	19.55 (sample diluted)
Trichloroethene (TCE)	ITMW-2D	91.5-101.5
cis-1,2-Dichloroethene (cis-1,2-DCE)	CMT-5	52.75-53.25; 82.75-83.25
	ITMW-1S	55.5-65.5
	ITMW-2D	91.5-101.5

A summary of the ground water analytical results that exceeded the applicable screening values is provided in **Figure 4**.

For the February 2007 sampling, the following compounds in the samples from the following wells exceeded the applicable screening values:

Compound	Sample Location	Screen Interval or Well Depth (ft)
Tetrachloroethene (PCE)	CMT-1	33.5-34; 58.5-59 (sample diluted); 98.5-99
	CMT-3	64.5-65; 104.5-105
	CMT-5	52.75-53.25; 82.75-83.25
	ITMW-1S	55.5-65.5 (sample diluted)
	ITMW-1D	95.5-105.5
	ITMW-2D	91.5-101.5
	ITMW-3D	80-90
	PZ-1	19.55
Trichloroethene (TCE)	ITMW-1S	55.5-65.5
	ITMW-2D	91.5-101.5
cis-1,2-Dichloroethene (cis-1,2-DCE)	CMT-3	104.5-105
	ITMW-1S	55.5-65.5
	ITMW-2D	91.5-101.5
Chlorobenzene	ITMW-1S	55.5-65.5
Ethylbenzene	ITMW-1S	55.5-65.5
Acetone	ITMW-1S	55.5-65.5
Manganese (Mn)	CMT-2	59.5-60
	CMT-3	39.5-40; 64.5-65
	CMT-4	29.5-30; 54.5-55; 94.5-95
	CMT-5	52.72-53.25
	ITDGW-1	24.8
	ITMW-2D	91.5-101.5
	PZ-1	19.55
	PZ-2	19.6
	PZ-3	19.6
Sodium (Na)	All sampled locations except for ITDGW-1, ITDGW-26, PZ-1, and PZ-3	All sampled depths except for ITDGW-1, ITDGW-26, PZ-1, and PZ-3
Nitrate, as N	ITDGW-1	24.8
	ITMW-1S	55.5-65.5
	PZ-3	19.6

A summary of the ground water analytical results that exceeded the applicable screening values is provided in **Figure 5**.

The ground water samples collected in June 2006 and February 2007 indicated that VOCs, primarily PCE, continue to be present above NYSDEC Class GA ground water standards in the ground water in OU2. Concentrations of PCE in the ground water plume ranged from non-detect to 3,800 micrograms per liter (µg/L), with two main "hotspots" (*i.e.* areas with ground water concentrations of PCE in excess of 1,000 µg/L) near PZ-1/ITMW-1S and ITMW-2D. The hotspot areas are generally consistent with the ground water data from the remedial investigation (RI) completed by Shaw in 2002. Refer to **Figure 4**, **Figure 5**, and **Figure 6**.

3.2. Soil Vapor Investigation and Additional Soil Vapor Activities

In May and June 2006, O'Brien & Gere conducted soil vapor sampling (and resampling) in OU1 and OU2. Soil vapor samples were collected from SV-1 through 40, including hand-driven sample locations, SV-4A, 22A, 25A, and 40A. Upon NYSDEC's request, additional soil vapor sampling at SV-41 through 56 was conducted in August 2006.

The soil vapor samples, along with ambient air samples, were analyzed for VOCs using EPA Method TO-15. The analytical data from all the sampling events were validated. A summary of the validated soil vapor analytical results is provided in **Table 3** and a summary of the soil vapor PCE analytical results is provided in **Figure 7**. As shown in the table and figure, elevated PCE concentrations (above 1,000 µg/m^3) were observed in the samples from SV-4A, SV-34, SV-40, and SV-40A.

Based on the analytical results, the areas around SV-4A, 34, 40, and 40A are impacted by PCE. Three of the residential properties near SV-4A and SV-34, 40 and 44 Dutchess Street, and 35 Taylor Road, which were potentially affected by high sub-slab soil vapor contents, are currently mitigated by the OU1 SVE system. Upon further review, investigation may be required in the area of SV-40 and SV-40A.

3.3. Additional Soil and Ground Water Sampling near Soil Vapor Point SV-40

Due to the high concentrations of PCE in the soil vapor samples collected in the area of SV-40 and 40A, NYSDEC requested additional soil and ground water sampling near SV-40 and 40A to evaluate if additional permanent monitoring wells need to be installed.

The soil samples with the highest PID readings and ground water samples were analyzed for VOCs using EPA Method 8260. A summary of the soil and ground water analytical results is provided in **Table 4** and a summary of the detected compounds is presented in **Figure 8**. As shown in the table, the analytical results were compared to applicable screening values from the following NYSDEC guidance documents and regulations:

- NYSDEC Division of Environmental Remediation Technical and Administrative Guidance Memorandum (TAGM) #4046, *Determination of Soil Cleanup Objectives and Cleanup Levels*, January 1994.
- 6NYCRR Subpart 375-6: *Remedial Program Soil Cleanup*, December 14, 2006.
- TOGS 1.1.1 and its April 2000 Addendum.

The soil samples analyzed did not have compounds with concentrations above the soil screening values. The ground water samples from DP-3 at 36-40 ft and 56-60 ft contained PCE at 15 µg/L and 22 µg/L respectively. These concentrations are above the ground water screening value of 5 µg/L.

The ground water sample from DP-1 at 76-80 ft contained acetone at 76 µg/L, which is slightly higher than the screening value of 50 µg/L. Refer to **Figure 8**.

3.4. Installation of Three Nested Monitoring Wells

In May 2007, drilling activities were conducted at three locations (MW-1, 2, and 3) south of OU2. Ground water samples were collected from the three locations and the samples were analyzed for VOCs using EPA Method 8260. The ground water VOC analytical results were considered screening data for the purpose of determining the depths of the nested wells to be installed in the vicinity of the three locations, therefore the data was no validated. A summary of the ground water analytical results is provided in **Table 5**. As shown in the table, the analytical results were compared to applicable screening values (standards or guidance values) from TOGS 1.1.1 and its April 2000 Addendum.

For the initial ground water sampling, the following compounds in the samples from the following wells exceeded the applicable screening values:

Compound	Sample Location	Sample Depth (ft)
Benzene	MW-1	30
1,1-Dichloroethane	MW-1	20; 30
Ethylbenzene	MW-1	20; 30; 120
Isopropylbenzene	MW-1	20; 30
4-Isopropyltoluene	MW-1	20; 30
Methyl tert-butyl ether (MTBE)	MW-2	80; 100; 110; 120; 130; 140; 150; 160; 170; 180; 190
n-Butylbenzene	MW-1	20; 30
n-Propylbenzene	MW-1	20; 30
Naphthalene	MW-1	20; 30; 120
sec-Butyl benzene	MW-1	20; 30
1,2,4-Trimethylbenzene (1,2,4-TMB)	MW-1	20; 30; 60; 110; 120; 150
1,3,5-Trimethylbenzene (1,3,5-TMB)	MW-1	20; 30; 120
Tetrachloroethene (PCE)	MW-2	20; 30; 70; 90; 100; 110; 120; 130; 140
Trichloroethene (TCE)	MW-2	80
m,p-Xylene	MW-1	20; 30; 60; 120
Xylene (Total)	MW-1	20; 30; 60; 120

A summary of the ground water analytical results that exceeded the applicable screening values is provided in **Figure 9**.

In June 2007, 3 nested monitoring wells (9 wells) were installed in the vicinity of the three sample locations mentioned above. Ground water samples were collected from the nested wells and existing monitoring wells, CMT-5, ITMW-2S and ITMW-2D. The samples were analyzed for VOCs using EPA Method 8260.

At NYSDEC's request, the ground water VOC analytical data were validated and summary of the validated ground water analytical results is provided in **Table 6**. Similar to the screening data, the analytical results were compared to applicable screening values from TOGS 1.1.1 and its April 2000 Addendum.

The samples from three of the nested wells at MW-3 and the existing monitoring well, ITMW-2S, did not have compounds with concentrations above the screening values. The samples from the nested wells at MW-1 and MW-2 and the monitoring wells, ITMW-2D and CMT-5, have the following compounds at concentrations that exceed the applicable screening values:

Compound	Sample Location	Screen Interval (ft)
cis-1,2-Dichloroethene (cis-1,2-DCE)	ITMW-2D	91.5-101.5
Ethylbenzene	MW-1D	110-120
Methyl tert-butyl ether (MTBE)	MW-2D	110-120
Naphthalene	MW-1D	110-120
1,2,4-Trimethylbenzene (1,2,4-TMB)	MW-1D	110-120
Tetrachloroethene (PCE)	MW-2S, 2I, 2D ITMW-2D CMT-5	15-25, 80-90, 110-120 (respectively) 91.5-101.5 52.75-53.25; 82.75-83.25
Trichloroethene (TCE)	ITMW-2D	91.5-101.5
m,p-Xylene	MW-1D	110-120
Xylene (Total)	MW-1D	110-120

A summary of the ground water analytical results that exceeded the applicable screening values is provided in **Figure 10**.

Table 1

Summary of Well Elevations, Screen Intervals, and Depths

Jimmy's Dry Cleaners
Roosevelt, NY

Well ID	Top of Casing (ft)	Top of PVC (ft)	Screen Interval (ft bgs)	Well Depth (ft bgs)
CMT-1	26.13	25.75		100
1			33.5 - 34	
2			58.5 - 59	
3			98.5 - 99	
CMT-2	26.33	25.89		100
1			34.5 - 35	
2			59.5 - 60	
3			99.5 -100	
CMT-3	26.98	26.73		105
1			39.5 - 40	
2			64.5 - 65	
3			104.5 -105	
CMT-4	26.37	25.99		100
1			29.5 - 30	
2			54.5 - 55	
3			94.5 - 95	
CMT-5	26.57	26.24[(1)]		83.25
1			27.75 - 28.25	
2			52.75 - 53.25	
3			82.75 - 83.25	
ITDGW-1	33.77	33.62	-	24.8
ITDGW-26	26.43	26.04	-	19.4
ITMW-1S	26.56	26.34	55.5 - 65.5	65.5
ITMW-1D	26.82	26.62	95.5 - 105.5	105.5
ITMW-2S	25.6	25.29	40.5 - 50.5	50.5
ITMW-2D	25.52	25.23	91.5 - 101.5	101.5
ITMW-3S	25.34	25.09	55 - 65	65
ITMW-3D	25.4	25.16	80 - 90	90
ITMW-4S	33.85	33.57	55 - 65	65
ITMW-4D	33.92	33.49	95 - 105	105
PZ-1	29.69	29.5[(1)]	-	19.55
PZ-2	30.37	30.18[(1)]	-	19.6
PZ-3	30.77	30.56[(1)]	-	19.6
MW-1S	16.62	17.02	20 -30	30
MW-1I	16.53	17.03	80 - 90	90
MW-1D	16.29	16.95	110 - 120	120
MW-2S	24.79	24.98	15 - 25	25
MW-2I	24.92	25.07	80 - 90	90
MW-2D	24.65	25.05	110 - 120	120
MW-3S	26.36	26.78	25 - 35	35
MW-3I	26.5	26.85	90 - 100	100
MW-3D	26.06	26.72	110 - 120	120

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Table 1

Summary of Well Elevations, Screen Intervals, and Depths

Jimmy's Dry Cleaners
Roosevelt, NY

Notes

bgs - Below ground surface

(1) Could not open well during survey, measured during sampling.

(2) All wells are flush mounted.

(3) Horizontal Datum: N.A.D. 83 from GPS observations.

(4) Vertical Datum: NGVD 1988 from GPS observations. To convert to NGVD 1929 add 1.14 ft to elevations.

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Table 2

Summary of 2006 and 2007 Ground Water Analytical Results for CMT and Monitoring Wells

Jimmy's Dry Cleaners
Roosevelt, NY

		Sample ID	CMT-1 (1)	CMT1(1)	CMT-1 (2)	CMT1(2)	CMT-1 (3)
		Screen Interval or Well Depth	33.5'-34'	33.5'-34'	58.5'-59'	58.5'-59'	98.5'-99'
		Sample Date	6/21/2006	2/26/2007	6/21/2006	2/26/2007	6/21/2006
Chemical Name	CAS	Max. Allowable Concentration[1]					
Volatile Organic Compounds[2] (µg/L)							
1,1-Dichlorethane	75-34-3	5	ND	ND	ND	ND	ND
Acetone	67-64-1	50	ND	ND	ND	ND	ND
Benzene	71-43-2	1	ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4	50	ND	ND	ND	ND	ND
Chlorobenzene	108-90-7	5	ND	ND	ND	ND	ND
Chloroform	67-66-3	7	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	5	ND	ND	ND	1 J	ND
Dichloromethane	75-09-2	5	ND	ND	ND	ND	ND
Ethylbenzene	100-41-4	5	ND	ND	ND	ND	ND
Methyl n-butyl ketone	591-78-6	50	ND	ND	ND	ND	ND
Methyl tert-butyl ether	1634-04-4	10[3]	ND	ND	ND	ND	ND
Toluene	108-88-3	5	ND	ND	ND	ND	ND
Tetrachloroethene	127-18-4	5	4 J	110 J	190 J	180 DJ	10
Trichloroethylene	79-01-6	5	ND	ND	ND	1 J	ND
m,p-Xylene		5[4]	ND	ND	ND	ND	ND
Xylene (Total)	1330-20-7	5[4]	ND	ND	ND	ND	ND
Volatile Fatty Acids (mg/L)							
Butyric acid	107-92-6	---	NA	ND	NA	ND	NA
Acetic acid	64-19-7	---	NA	ND	NA	0.1	NA
Hexanoic acid	142-62-1	---	NA	ND	NA	0.2	NA
i-Hexanoic acid	646-07-1	---	NA	ND	NA	ND	NA
i-Pentanoic acid	503-74-2	---	NA	ND	NA	ND	NA
Lactic acid and HIBA	50-21-5	---	NA	0.3	NA	0.58	NA
Pentanoic acid	109-52-4	---	NA	ND	NA	ND	NA
Propionic acid	79-09-4	---	NA	ND	NA	ND	NA
Pyruvic acid	127-17-3	---	NA	ND	NA	ND	NA
Dissolved Light Hydrocarbons (µg/L)							
Ethane	74-84-0	---	ND	ND	NA	ND	NA
Ethylene	74-85-1	---	ND	0.100	NA	0.110	NA
Methane	74-82-8	---	ND	1.300	NA	1.100	NA
Total organic carbon (mg/L)		---	NA	ND	NA	NA	NA
Inorganic Compounds[2]							
Manganese (µg/L)	7439-96-5	300	NA	257	NA	27.8 B	NA
Sodium (µg/L)	7440-23-5	20,000	NA	127,000	NA	113,000	NA
Chloride (mg/L)	16887-00-6	250	NA	160	NA	170	NA
Nitrate, as N (mg/L)	14797-55-8	10	NA	5.6	NA	6.2	NA
Sulfate (mg/L)	14808-79-8	250	NA	31	NA	29	NA
Sulfide (mg/L)	18496-25-8	0.05[5]	NA	ND	NA	ND	NA

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Table 2

Summary of 2006 and 2007 Ground Water Analytical Results for CMT and Monitoring Wells

Jimmy's Dry Cleaners
Roosevelt, NY

		Sample ID	CMT1(3)	X2 (CMT-1(3))	X2DL (CMT-1(3))	CMT-2 (1)
		Screen Interval or Well Depth	98.5'-99'	98.5'-99'	98.5'-99'	34.5'-35'
		Sample Date	2/26/2007	2/26/2007	2/26/2007	6/20/2006
Chemical Name	CAS	Max. Allowable Concentration[1]				
Volatile Organic Compounds[2] (µg/L)						
1,1-Dichlorethane	75-34-3	5	ND	NA	ND	ND
Acetone	67-64-1	50	ND	NA	ND	ND
Benzene	71-43-2	1	ND	NA	ND	ND
Bromodichloromethane	75-27-4	50	ND	NA	ND	ND
Chlorobenzene	108-90-7	5	ND	NA	ND	ND
Chloroform	67-66-3	7	ND	NA	ND	ND
cis-1,2-Dichloroethene	156-59-2	5	3 J	NA	ND	ND
Dichloromethane	75-09-2	5	ND	NA	ND	ND
Ethylbenzene	100-41-4	5	ND	NA	ND	ND
Methyl n-butyl ketone	591-78-6	50	ND	NA	ND	ND
Methyl tert-butyl ether	1634-04-4	10[3]	ND	NA	ND	ND
Toluene	108-88-3	5	ND	NA	ND	ND
Tetrachloroethene	127-18-4	5	15 J	NA	190 DJ	ND
Trichloroethylene	79-01-6	5	ND	NA	ND	ND
m,p-Xylene		5[4]	ND	NA	ND	ND
Xylene (Total)	1330-20-7	5[4]	ND	NA	ND	ND
Volatile Fatty Acids (mg/L)						
Butyric acid	107-92-6	---	ND	ND	NA	NA
Acetic acid	64-19-7	---	ND	ND	NA	NA
Hexanoic acid	142-62-1	---	ND	0.27	NA	NA
i-Hexanoic acid	646-07-1	---	ND	ND	NA	NA
i-Pentanoic acid	503-74-2	---	ND	ND	NA	NA
Lactic acid and HIBA	50-21-5	---	0.26	0.27	NA	NA
Pentanoic acid	109-52-4	---	ND	ND	NA	NA
Propionic acid	79-09-4	---	ND	ND	NA	NA
Pyruvic acid	127-17-3	---	ND	ND	NA	NA
Dissolved Light Hydrocarbons (µg/L)						
Ethane	74-84-0	---	0.061	ND	NA	NA
Ethylene	74-85-1	---	0.110	0.094	NA	NA
Methane	74-82-8	---	1.400	1.000	NA	NA
Total organic carbon (mg/L)		---	ND	ND	NA	NA
Inorganic Compounds[2]						
Manganese (µg/L)	7439-96-5	300	239	17.8 B	NA	NA
Sodium (µg/L)	7440-23-5	20,000	49,600	114,000	NA	NA
Chloride (mg/L)	16887-00-6	250	81	170	NA	NA
Nitrate, as N (mg/L)	14797-55-8	10	5.0	6.3	NA	NA
Sulfate (mg/L)	14808-79-8	250	36	29	NA	NA
Sulfide (mg/L)	18496-25-8	0.05[5]	ND	0.034	NA	NA

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Table 2

Summary of 2006 and 2007 Ground Water Analytical Results for CMT and Monitoring Wells

Jimmy's Dry Cleaners
Roosevelt, NY

		Sample ID	CMT2(1)	CMT-2 (2)	CMT2(2)	CMT-2 (3)	CMT2(3)
		Screen Interval or Well Depth	34.5'-35'	59.5'-60'	59.5'-60'	99.5'-100'	99.5'-100'
		Sample Date	2/23/2007	6/20/2006	2/23/2007	6/20/2006	2/26/2007
Chemical Name	CAS	Max. Allowable Concentration[1]					
Volatile Organic Compounds[2] (µg/L)							
1,1-Dichlorethane	75-34-3	5	ND	ND	ND	ND	ND
Acetone	67-64-1	50	ND	ND	ND	ND	ND
Benzene	71-43-2	1	ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4	50	ND	ND	ND	ND	ND
Chlorobenzene	108-90-7	5	ND	ND	ND	ND	ND
Chloroform	67-66-3	7	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	5	ND	ND	ND	ND	ND
Dichloromethane	75-09-2	5	ND	ND	ND	ND	ND
Ethylbenzene	100-41-4	5	ND	ND	ND	ND	ND
Methyl n-butyl ketone	591-78-6	50	ND	ND	ND	ND	ND
Methyl tert-butyl ether	1634-04-4	10[3]	ND	ND	ND	ND	ND
Toluene	108-88-3	5	ND	ND	ND	ND	ND
Tetrachloroethene	127-18-4	5	1 J	ND	ND	ND	ND
Trichloroethylene	79-01-6	5	ND	ND	ND	ND	ND
m,p-Xylene		5[4]	ND	ND	ND	ND	ND
Xylene (Total)	1330-20-7	5[4]	ND	ND	ND	ND	ND
Volatile Fatty Acids (mg/L)							
Butyric acid	107-92-6	---	ND	NA	ND	NA	ND
Acetic acid	64-19-7	---	ND	NA	ND	NA	ND
Hexanoic acid	142-62-1	---	ND	NA	ND	NA	0.12
i-Hexanoic acid	646-07-1	---	ND	NA	ND	NA	ND
i-Pentanoic acid	503-74-2	---	ND	NA	ND	NA	ND
Lactic acid and HIBA	50-21-5	---	0.28	NA	0.15	NA	0.29
Pentanoic acid	109-52-4	---	ND	NA	ND	NA	ND
Propionic acid	79-09-4	---	ND	NA	ND	NA	ND
Pyruvic acid	127-17-3	---	ND	NA	ND	NA	ND
Dissolved Light Hydrocarbons (µg/L)							
Ethane	74-84-0	---	0.180	NA	0.150	NA	0.050
Ethylene	74-85-1	---	0.630	NA	0.640	NA	0.130
Methane	74-82-8	---	5.900	NA	17.000	NA	1.400
Total organic carbon (mg/L)		---	ND	NA	ND	ND	ND
Inorganic Compounds[2]							
Manganese (µg/L)	7439-96-5	300	86.7	NA	1,600	NA	27 B
Sodium (µg/L)	7440-23-5	20,000	91,600	NA	74,100	NA	24,900
Chloride (mg/L)	16887-00-6	250	130 J	NA	150 J	NA	39
Nitrate, as N (mg/L)	14797-55-8	10	2.7	NA	ND	NA	5.6
Sulfate (mg/L)	14808-79-8	250	14	NA	44	NA	37
Sulfide (mg/L)	18496-25-8	0.05[5]	ND	NA	ND	NA	ND

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Table 2

Summary of 2006 and 2007 Ground Water Analytical Results for CMT and Monitoring Wells

Jimmy's Dry Cleaners
Roosevelt, NY

Chemical Name	CAS	Max. Allowable Concentration[1]	Sample ID Screen Interval or Well Depth Sample Date	CMT-3 (1) 39.5'-40' 6/20/2006	CMT3(1) 39.5'-40' 2/23/2007	CMT-3 (2) 64.5'-65' 6/20/2006	CMT3(2) 64.5'-65' 2/23/2007	CMT-3 (3) 104.5'-105' 6/20/2006
Volatile Organic Compounds[2] (µg/L)								
1,1-Dichlorethane	75-34-3	5		ND	ND	ND	ND	ND
Acetone	67-64-1	50		ND	ND	6	ND	ND
Benzene	71-43-2	1		ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4	50		ND	ND	ND	ND	ND
Chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND
Chloroform	67-66-3	7		ND	1 J	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	5		ND	ND	2 J	3 J	ND
Dichloromethane	75-09-2	5		ND	ND	ND	ND	ND
Ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND
Methyl n-butyl ketone	591-78-6	50		ND	ND	ND	ND	ND
Methyl tert-butyl ether	1634-04-4	10[3]		ND	ND	ND	ND	ND
Toluene	108-88-3	5		ND	ND	ND	ND	ND
Tetrachloroethene	127-18-4	5		8	4 J	14	33	ND
Trichloroethylene	79-01-6	5		ND	ND	ND	ND	ND
m,p-Xylene		5[4]		ND	ND	ND	ND	ND
Xylene (Total)	1330-20-7	5[4]		ND	ND	ND	ND	ND
Volatile Fatty Acids (mg/L)								
Butyric acid	107-92-6	---		NA	ND	NA	ND	NA
Acetic acid	64-19-7	---		NA	ND	NA	ND	NA
Hexanoic acid	142-62-1	---		NA	0.30	NA	ND	NA
i-Hexanoic acid	646-07-1	---		NA	ND	NA	ND	NA
i-Pentanoic acid	503-74-2	---		NA	ND	NA	ND	NA
Lactic acid and HIBA	50-21-5	---		NA	0.20	NA	0.18	NA
Pentanoic acid	109-52-4	---		NA	ND	NA	ND	NA
Propionic acid	79-09-4	---		NA	ND	NA	ND	NA
Pyruvic acid	127-17-3	---		NA	ND	NA	ND	NA
Dissolved Light Hydrocarbons (µg/L)								
Ethane	74-84-0	---		NA	0.320	NA	0.280	NA
Ethylene	74-85-1	---		NA	0.069	NA	0.060	NA
Methane	74-82-8	---		NA	5.500	NA	190.000	NA
Total organic carbon (mg/L)		---		NA	ND	NA	ND	NA
Inorganic Compounds[2]								
Manganese (µg/L)	7439-96-5	300		NA	2,470	NA	2,410	NA
Sodium (µg/L)	7440-23-5	20,000		NA	74,100	NA	47,700	NA
Chloride (mg/L)	16887-00-6	250		NA	120 J	NA	100 J	NA
Nitrate, as N (mg/L)	14797-55-8	10		NA	4.1	NA	ND	NA
Sulfate (mg/L)	14808-79-8	250		NA	21	NA	32	NA
Sulfide (mg/L)	18496-25-8	0.05[5]		NA	ND	NA	ND	NA

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Table 2

Summary of 2006 and 2007 Ground Water Analytical Results for CMT and Monitoring Wells

Jimmy's Dry Cleaners
Roosevelt, NY

		Sample ID	CMT3(3)	CMT-4 (1)	CMT4(1)	CMT-4 (2)	CMT4(2)
		Screen Interval or Well Depth	104.5'-105'	29.5'-30'	29.5'-30'	54.5'-55'	54.5'-55'
		Sample Date	2/23/2007	6/21/2006	2/26/2007	6/21/2006	2/26/2007
Chemical Name	CAS	Max. Allowable Concentration[1]					
Volatile Organic Compounds[2] (µg/L)							
1,1-Dichlorethane	75-34-3	5	ND	ND	ND	ND	ND
Acetone	67-64-1	50	ND	3 J	ND	41	ND
Benzene	71-43-2	1	ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4	50	ND	ND	ND	ND	ND
Chlorobenzene	108-90-7	5	ND	ND	ND	ND	ND
Chloroform	67-66-3	7	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	5	6 J	ND	ND	ND	ND
Dichloromethane	75-09-2	5	ND	ND	ND	ND	ND
Ethylbenzene	100-41-4	5	ND	ND	ND	ND	ND
Methyl n-butyl ketone	591-78-6	50	ND	ND	ND	5	ND
Methyl tert-butyl ether	1634-04-4	10[3]	ND	ND	ND	ND	ND
Toluene	108-88-3	5	ND	ND	ND	ND	ND
Tetrachloroethene	127-18-4	5	230	ND	ND	ND	ND
Trichloroethylene	79-01-6	5	ND	ND	ND	ND	ND
m,p-Xylene		5[4]	ND	ND	ND	ND	ND
Xylene (Total)	1330-20-7	5[4]	ND	ND	ND	ND	ND
Volatile Fatty Acids (mg/L)							
Butyric acid	107-92-6	---	ND	NA	ND	NA	ND
Acetic acid	64-19-7	---	0.09	NA	ND	NA	0.46
Hexanoic acid	142-62-1	---	ND	NA	0.18	NA	ND
i-Hexanoic acid	646-07-1	---	ND	NA	ND	NA	ND
i-Pentanoic acid	503-74-2	---	ND	NA	ND	NA	ND
Lactic acid and HIBA	50-21-5	---	0.22	NA	0.16	NA	0.16
Pentanoic acid	109-52-4	---	ND	NA	ND	NA	ND
Propionic acid	79-09-4	---	ND	NA	ND	NA	ND
Pyruvic acid	127-17-3	---	ND	NA	ND	NA	ND
Dissolved Light Hydrocarbons (µg/L)							
Ethane	74-84-0	---	0.065	NA	0.330	NA	0.710
Ethylene	74-85-1	---	0.064	NA	0.220	NA	0.200
Methane	74-82-8	---	3.400	NA	4.400	NA	160.000
Total organic carbon (mg/L)		---	ND	NA	ND	NA	ND
Inorganic Compounds[2]							
Manganese (µg/L)	7439-96-5	300	3.2 B	NA	3,340	NA	6,170
Sodium (µg/L)	7440-23-5	20,000	31,700	NA	48,800	NA	24,000
Chloride (mg/L)	16887-00-6	250	43 J	NA	78	NA	14
Nitrate, as N (mg/L)	14797-55-8	10	5.5	NA	0.30	NA	ND
Sulfate (mg/L)	14808-79-8	250	35	NA	38	NA	13
Sulfide (mg/L)	18496-25-8	0.05[5]	ND	NA	ND	NA	ND

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Table 2

Summary of 2006 and 2007 Ground Water Analytical Results for CMT and Monitoring Wells

Jimmy's Dry Cleaners
Roosevelt, NY

		Sample ID	CMT-4 (3)	CMT4(3)	CMT-5 (1)	CMT5(1)	CMT-5 (2)
		Screen Interval or Well Depth	94.5'-95'	94.5'-95'	27.75'-28.25'	27.75'-28.25'	52.75'-53.25'
		Sample Date	6/21/2006	2/26/2007	6/19/2006	2/23/2007	6/19/2006
Chemical Name	CAS	Max. Allowable Concentration[1]					
Volatile Organic Compounds[2] (µg/L)							
1,1-Dichlorethane	75-34-3	5	ND	ND	ND	ND	ND
Acetone	67-64-1	50	14	ND	ND	ND	ND
Benzene	71-43-2	1	ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4	50	ND	ND	ND	ND	ND
Chlorobenzene	108-90-7	5	ND	ND	ND	ND	ND
Chloroform	67-66-3	7	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	5	ND	ND	ND	ND	6
Dichloromethane	75-09-2	5	ND	ND	ND	ND	ND
Ethylbenzene	100-41-4	5	ND	ND	ND	ND	ND
Methyl n-butyl ketone	591-78-6	50	6	ND	ND	ND	ND
Methyl tert-butyl ether	1634-04-4	10[3]	ND	ND	ND	ND	ND
Toluene	108-88-3	5	ND	ND	ND	ND	ND
Tetrachloroethene	127-18-4	5	ND	ND	ND	ND	110
Trichloroethylene	79-01-6	5	ND	ND	ND	ND	3 J
m,p-Xylene		5[4]	ND	ND	ND	ND	ND
Xylene (Total)	1330-20-7	5[4]	ND	ND	ND	ND	ND
Volatile Fatty Acids (mg/L)							
Butyric acid	107-92-6	---	NA	ND	NA	ND	NA
Acetic acid	64-19-7	---	NA	ND	NA	ND	NA
Hexanoic acid	142-62-1	---	NA	ND	NA	ND	NA
i-Hexanoic acid	646-07-1	---	NA	ND	NA	ND	NA
i-Pentanoic acid	503-74-2	---	NA	ND	NA	ND	NA
Lactic acid and HIBA	50-21-5	---	NA	0.19	NA	0.27	NA
Pentanoic acid	109-52-4	---	NA	ND	NA	ND	NA
Propionic acid	79-09-4	---	NA	ND	NA	ND	NA
Pyruvic acid	127-17-3	---	NA	ND	NA	ND	NA
Dissolved Light Hydrocarbons (µg/L)							
Ethane	74-84-0	---	NA	1.400	NA	0.092	NA
Ethylene	74-85-1	---	NA	0.170	NA	0.140	NA
Methane	74-82-8	---	NA	250.000	NA	3.400	NA
Total organic carbon (mg/L)		---	NA	ND	NA	ND	NA
Inorganic Compounds[2]							
Manganese (µg/L)	7439-96-5	300	NA	3,920	NA	2.4 B	NA
Sodium (µg/L)	7440-23-5	20,000	NA	28,500	NA	21,100	NA
Chloride (mg/L)	16887-00-6	250	NA	29	NA	40 J	NA
Nitrate, as N (mg/L)	14797-55-8	10	NA	ND	NA	6.3	NA
Sulfate (mg/L)	14808-79-8	250	NA	31	NA	21	NA
Sulfide (mg/L)	18496-25-8	0.05[5]	NA	ND	NA	ND	NA

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Table 2

Summary of 2006 and 2007 Ground Water Analytical Results for CMT and Monitoring Wells

Jimmy's Dry Cleaners
Roosevelt, NY

Chemical Name	CAS	Max. Allowable Concentration[1]	Sample ID Screen Interval or Well Depth Sample Date	CMT5(2) 52.75'-53.25' 2/23/2007	CMT-5 (3) 82.75'-83.25' 6/19/2006	CMT5(3) 82.75'-83.25' 2/23/2007	EQ-1 6/16/2006	EQ1 2/26/2007
Volatile Organic Compounds[2] (µg/L)								
1,1-Dichlorethane	75-34-3	5		ND	ND	ND	ND	ND
Acetone	67-64-1	50		ND	ND	ND	3 J	ND
Benzene	71-43-2	1		ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4	50		ND	ND	ND	ND	ND
Chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND
Chloroform	67-66-3	7		ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	5		5	8	4 J	ND	ND
Dichloromethane	75-09-2	5		ND	ND	ND	6 J	12
Ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND
Methyl n-butyl ketone	591-78-6	50		ND	ND	ND	ND	ND
Methyl tert-butyl ether	1634-04-4	10[3]		ND	ND	ND	ND	ND
Toluene	108-88-3	5		ND	ND	ND	ND	ND
Tetrachloroethene	127-18-4	5		190	320 D	160	ND	ND
Trichloroethylene	79-01-6	5		4 J	5	2 J	ND	ND
m,p-Xylene		5[4]		ND	ND	ND	ND	ND
Xylene (Total)	1330-20-7	5[4]		ND	ND	ND	ND	ND
Volatile Fatty Acids (mg/L)								
Butyric acid	107-92-6	---		ND	NA	ND	NA	ND
Acetic acid	64-19-7	---		ND	NA	0.59	NA	ND
Hexanoic acid	142-62-1	---		0.15	NA	ND	NA	ND
i-Hexanoic acid	646-07-1	---		ND	NA	ND	NA	ND
i-Pentanoic acid	503-74-2	---		ND	NA	ND	NA	ND
Lactic acid and HIBA	50-21-5	---		0.26	NA	0.22	NA	0.16
Pentanoic acid	109-52-4	---		ND	NA	ND	NA	ND
Propionic acid	79-09-4	---		ND	NA	ND	NA	ND
Pyruvic acid	127-17-3	---		ND	NA	ND	NA	ND
Dissolved Light Hydrocarbons (µg/L)								
Ethane	74-84-0	---		0.071	NA	0.580	NA	ND
Ethylene	74-85-1	---		0.062	NA	0.230	NA	ND
Methane	74-82-8	---		1.400	NA	1.200	NA	0.160
Total organic carbon (mg/L)		---		ND	NA	ND	NA	ND
Inorganic Compounds[2]								
Manganese (µg/L)	7439-96-5	300		785	NA	215	NA	ND
Sodium (µg/L)	7440-23-5	20,000		28,900	NA	39,400	NA	ND
Chloride (mg/L)	16887-00-6	250		52 J	NA	68	NA	ND
Nitrate, as N (mg/L)	14797-55-8	10		4.1	NA	5.0	NA	ND
Sulfate (mg/L)	14808-79-8	250		27	NA	25	NA	ND
Sulfide (mg/L)	18496-25-8	0.05[5]		ND	NA	ND	NA	ND

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Summary of 2006 and 2007 Ground Water Analytical Results for CMT and Monitoring Wells

Jimmy's Dry Cleaners
Roosevelt, NY

Chemical Name	CAS	Max. Allowable Concentration[1]	Sample ID Screen Interval or Well Depth Sample Date	ITDGW-1 WD=24.8' 6/19/2006	ITDGW1 WD=24.8' 2/26/2007	ITDGW-26 WD=19.4' 6/15/2006	ITDGW-26 WD=19.4' 2/22/2007	ITMW-1S 55.5'-65.5' 6/15/2006
Volatile Organic Compounds[2] (µg/L)								
1,1-Dichlorethane	75-34-3	5		ND	ND	ND	ND	ND
Acetone	67-64-1	50		ND	ND	ND	ND	ND
Benzene	71-43-2	1		ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4	50		ND	ND	ND	ND	ND
Chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND
Chloroform	67-66-3	7		ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	5		ND	ND	ND	ND	20
Dichloromethane	75-09-2	5		ND	ND	ND	ND	ND
Ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND
Methyl n-butyl ketone	591-78-6	50		ND	ND	ND	ND	ND
Methyl tert-butyl ether	1634-04-4	10[3]		ND	ND	ND	ND	ND
Toluene	108-88-3	5		ND	ND	ND	ND	ND
Tetrachloroethene	127-18-4	5		8 B	ND	ND	ND	2,200 D
Trichloroethylene	79-01-6	5		ND	ND	ND	ND	8
m,p-Xylene		5[4]		ND	ND	ND	ND	ND
Xylene (Total)	1330-20-7	5[4]		ND	ND	ND	ND	ND
Volatile Fatty Acids (mg/L)								
Butyric acid	107-92-6	---		NA	ND	NA	ND	NA
Acetic acid	64-19-7	---		NA	ND	NA	ND	NA
Hexanoic acid	142-62-1	---		NA	ND	NA	ND	NA
i-Hexanoic acid	646-07-1	---		NA	ND	NA	ND	NA
i-Pentanoic acid	503-74-2	---		NA	ND	NA	ND	NA
Lactic acid and HIBA	50-21-5	---		NA	0.24	NA	0.24	NA
Pentanoic acid	109-52-4	---		NA	ND	NA	ND	NA
Propionic acid	79-09-4	---		NA	ND	NA	ND	NA
Pyruvic acid	127-17-3	---		NA	0.09	NA	ND	NA
Dissolved Light Hydrocarbons (µg/L)								
Ethane	74-84-0	---		NA	0.130	NA	0.028	NA
Ethylene	74-85-1	---		NA	0.110	NA	0.120	NA
Methane	74-82-8	---		NA	3.700	NA	2.800	NA
Total organic carbon (mg/L)		---		NA	ND	NA	ND	NA
Inorganic Compounds[2]								
Manganese (µg/L)	7439-96-5	300		NA	4,020	NA	148	NA
Sodium (µg/L)	7440-23-5	20,000		NA	15,700	NA	15,400	NA
Chloride (mg/L)	16887-00-6	250		NA	12	NA	16 J	NA
Nitrate, as N (mg/L)	14797-55-8	10		NA	12	NA	3.6	NA
Sulfate (mg/L)	14808-79-8	250		NA	28	NA	16	NA
Sulfide (mg/L)	18496-25-8	0.05[5]		NA	0.043	NA	ND	NA

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Summary of 2006 and 2007 Ground Water Analytical Results for CMT and Monitoring Wells

Jimmy's Dry Cleaners
Roosevelt, NY

		Sample ID	ITMW1S	ITMW-1D	ITMW1D	ITMW-2S	ITMW2S
		Screen Interval or Well Depth	55.5'-65.5'	95.5'-105.5'	95.5'-105.5'	40.5'-50.5'	40.5'-50.5'
		Sample Date	2/22/2007	6/15/2006	2/22/2007	6/16/2006	2/21/2007
Chemical Name	CAS	Max. Allowable Concentration[1]					
Volatile Organic Compounds[2] (µg/L)							
1,1-Dichlorethane	75-34-3	5	2 J	ND	ND	ND	ND
Acetone	67-64-1	50	170	ND	ND	ND	ND
Benzene	71-43-2	1	1 J	ND	ND	ND	ND
Bromodichloromethane	75-27-4	50	ND	ND	ND	ND	ND
Chlorobenzene	108-90-7	5	8	ND	ND	ND	ND
Chloroform	67-66-3	7	ND	ND	ND	ND	1 J
cis-1,2-Dichloroethene	156-59-2	5	30	2 J	ND	ND	ND
Dichloromethane	75-09-2	5	ND	ND	ND	ND	ND
Ethylbenzene	100-41-4	5	9	ND	ND	ND	ND
Methyl n-butyl ketone	591-78-6	50	ND	ND	ND	ND	ND
Methyl tert-butyl ether	1634-04-4	10[3]	ND	ND	ND	ND	ND
Toluene	108-88-3	5	3 J	ND	ND	ND	ND
Tetrachloroethene	127-18-4	5	1,000 D	240 D	1,600	25	5
Trichloroethylene	79-01-6	5	7	2 J	ND	ND	ND
m,p-Xylene		5[4]	4 J	ND	ND	ND	ND
Xylene (Total)	1330-20-7	5[4]	4 J	ND	ND	ND	ND
Volatile Fatty Acids (mg/L)							
Butyric acid	107-92-6	---	ND	NA	ND	NA	ND
Acetic acid	64-19-7	---	ND	NA	ND	NA	ND
Hexanoic acid	142-62-1	---	ND	NA	ND	NA	0.27
i-Hexanoic acid	646-07-1	---	ND	NA	ND	NA	ND
i-Pentanoic acid	503-74-2	---	ND	NA	ND	NA	ND
Lactic acid and HIBA	50-21-5	---	ND	NA	0.23	NA	0.23
Pentanoic acid	109-52-4	---	ND	NA	ND	NA	ND
Propionic acid	79-09-4	---	ND	NA	ND	NA	ND
Pyruvic acid	127-17-3	---	ND	NA	ND	NA	ND
Dissolved Light Hydrocarbons (µg/L)							
Ethane	74-84-0	---	0.250	NA	0.078	NA	0.045
Ethylene	74-85-1	---	1.700	NA	0.510	NA	0.450
Methane	74-82-8	---	40.000	NA	13.000	NA	5.800
Total organic carbon (mg/L)		---	ND	NA	ND	NA	ND
Inorganic Compounds[2]							
Manganese (µg/L)	7439-96-5	300	15.7 B	NA	142	NA	21.4 B
Sodium (µg/L)	7440-23-5	20,000	43,400	NA	62,500	NA	64,100
Chloride (mg/L)	16887-00-6	250	46 J	NA	93 J	NA	96 J
Nitrate, as N (mg/L)	14797-55-8	10	11	NA	9.1	NA	6.4
Sulfate (mg/L)	14808-79-8	250	31	NA	22	NA	26
Sulfide (mg/L)	18496-25-8	0.05[5]	ND	NA	ND	NA	ND

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Summary of 2006 and 2007 Ground Water Analytical Results for CMT and Monitoring Wells

Jimmy's Dry Cleaners
Roosevelt, NY

		Sample ID	ITMW-2D	ITMW2D	ITMW-3S	ITMW3S	ITMW-3D
		Screen Interval or Well Depth	91.5'-101.5'	91.5'-101.5'	55'-65'	55'-65'	80'-90'
		Sample Date	6/16/2006	2/21/2007	6/14/2006	2/21/2007	6/14/2006
Chemical Name	CAS	Max. Allowable Concentration[1]					
Volatile Organic Compounds[2] (µg/L)							
1,1-Dichlorethane	75-34-3	5	2 J	ND	ND	ND	ND
Acetone	67-64-1	50	ND	ND	ND	ND	ND
Benzene	71-43-2	1	ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4	50	ND	ND	ND	ND	ND
Chlorobenzene	108-90-7	5	ND	ND	ND	ND	ND
Chloroform	67-66-3	7	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	5	19	18 J	ND	ND	ND
Dichloromethane	75-09-2	5	ND	ND	ND	ND	ND
Ethylbenzene	100-41-4	5	ND	ND	ND	ND	ND
Methyl n-butyl ketone	591-78-6	50	ND	ND	ND	ND	ND
Methyl tert-butyl ether	1634-04-4	10[3]	2 J	ND	ND	ND	ND
Toluene	108-88-3	5	ND	ND	ND	ND	ND
Tetrachloroethene	127-18-4	5	1,000 D	1,500	1 J	2 J	8
Trichloroethylene	79-01-6	5	11	10 J	ND	ND	ND
m,p-Xylene		5[4]	ND	ND	ND	ND	ND
Xylene (Total)	1330-20-7	5[4]	ND	ND	ND	ND	ND
Volatile Fatty Acids (mg/L)							
Butyric acid	107-92-6	---	NA	ND	NA	ND	NA
Acetic acid	64-19-7	---	NA	ND	NA	ND	NA
Hexanoic acid	142-62-1	---	NA	ND	NA	ND	NA
i-Hexanoic acid	646-07-1	---	NA	ND	NA	ND	NA
i-Pentanoic acid	503-74-2	---	NA	ND	NA	ND	NA
Lactic acid and HIBA	50-21-5	---	NA	0.17	NA	0.25	NA
Pentanoic acid	109-52-4	---	NA	ND	NA	ND	NA
Propionic acid	79-09-4	---	NA	ND	NA	ND	NA
Pyruvic acid	127-17-3	---	NA	ND	NA	ND	NA
Dissolved Light Hydrocarbons (µg/L)							
Ethane	74-84-0	---	NA	0.062	NA	0.034	NA
Ethylene	74-85-1	---	NA	0.350	NA	0.290	NA
Methane	74-82-8	---	NA	81.000	NA	3.900	NA
Total organic carbon (mg/L)		---	NA	ND	NA	ND	NA
Inorganic Compounds[2]							
Manganese (µg/L)	7439-96-5	300	NA	422	NA	5.6 B	NA
Sodium (µg/L)	7440-23-5	20,000	NA	28,800	NA	22,400	NA
Chloride (mg/L)	16887-00-6	250	NA	36 J	NA	35 J	NA
Nitrate, as N (mg/L)	14797-55-8	10	NA	0.24	NA	5.4	NA
Sulfate (mg/L)	14808-79-8	250	NA	48	NA	28	NA
Sulfide (mg/L)	18496-25-8	0.05[5]	NA	ND	NA	ND	NA

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Summary of 2006 and 2007 Ground Water Analytical Results for CMT and Monitoring Wells

Jimmy's Dry Cleaners
Roosevelt, NY

		Sample ID	ITMW3D	ITMW4S	ITMW4S	ITMW4D	ITMW4D
		Screen Interval or Well Depth	80'-90'	55'-65'	55'-65'	95'-105'	95'-105'
		Sample Date	2/21/2007	6/16/06	2/21/2007	6/16/06	2/21/2007
Chemical Name	CAS	Max. Allowable Concentration[1]					
Volatile Organic Compounds[2] (µg/L)							
1,1-Dichlorethane	75-34-3	5	ND	ND	ND	ND	ND
Acetone	67-64-1	50	ND	ND	ND	ND	ND
Benzene	71-43-2	1	ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4	50	ND	ND	ND	ND	ND
Chlorobenzene	108-90-7	5	ND	ND	ND	ND	ND
Chloroform	67-66-3	7	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	5	ND	ND	ND	ND	ND
Dichloromethane	75-09-2	5	ND	ND	ND	ND	ND
Ethylbenzene	100-41-4	5	ND	ND	ND	ND	ND
Methyl n-butyl ketone	591-78-6	50	ND	ND	ND	ND	ND
Methyl tert-butyl ether	1634-04-4	10[3]	ND	ND	ND	ND	ND
Toluene	108-88-3	5	ND	ND	ND	ND	ND
Tetrachloroethene	127-18-4	5	26	ND	2 J	ND	1 J
Trichloroethylene	79-01-6	5	ND	ND	ND	ND	ND
m,p-Xylene		5[4]	ND	ND	ND	ND	ND
Xylene (Total)	1330-20-7	5[4]	ND	ND	ND	ND	ND
Volatile Fatty Acids (mg/L)							
Butyric acid	107-92-6	---	ND	NA	ND	NA	ND
Acetic acid	64-19-7	---	ND	NA	ND	NA	ND
Hexanoic acid	142-62-1	---	ND	NA	ND	NA	ND
i-Hexanoic acid	646-07-1	---	ND	NA	ND	NA	ND
i-Pentanoic acid	503-74-2	---	ND	NA	ND	NA	ND
Lactic acid and HIBA	50-21-5	---	0.21	NA	0.24	NA	0.19
Pentanoic acid	109-52-4	---	ND	NA	ND	NA	ND
Propionic acid	79-09-4	---	ND	NA	ND	NA	0.08
Pyruvic acid	127-17-3	---	ND	NA	ND	NA	ND
Dissolved Light Hydrocarbons (µg/L)							
Ethane	74-84-0	---	0.030	NA	0.031	NA	0.026
Ethylene	74-85-1	---	0.250	NA	0.230	NA	0.220
Methane	74-82-8	---	3.300	NA	3.100	NA	2.900
Total organic carbon (mg/L)		---	ND	NA	ND	NA	ND
Inorganic Compounds[2]							
Manganese (µg/L)	7439-96-5	300	2.5 B	NA	30.6 B	NA	288
Sodium (µg/L)	7440-23-5	20,000	30,300	NA	33,500	NA	26,500
Chloride (mg/L)	16887-00-6	250	52 J	NA	61 J	NA	42 J
Nitrate, as N (mg/L)	14797-55-8	10	5.6	NA	7.5	NA	4.3
Sulfate (mg/L)	14808-79-8	250	23	NA	33	NA	30
Sulfide (mg/L)	18496-25-8	0.05[5]	ND	NA	ND	NA	ND

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Table 2

Summary of 2006 and 2007 Ground Water Analytical Results for CMT and Monitoring Wells

Jimmy's Dry Cleaners
Roosevelt, NY

Chemical Name	CAS	Max. Allowable Concentration[1]	Sample ID Screen Interval or Well Depth Sample Date	PZ-1 WD=19.55' 6/19/2006	PZ-1 WD=19.55' 2/23/2007	PZ2 WD=19.6' 6/15/2006	X1 (PZ-2) WD=19.6' 6/15/2006	PZ2 WD=19.6' 2/22/2007
Volatile Organic Compounds[2] (µg/L)								
1,1-Dichlorethane	75-34-3	5		ND	ND	ND	ND	ND
Acetone	67-64-1	50		ND	ND	ND	ND	ND
Benzene	71-43-2	1		ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4	50		ND	ND	ND	ND	ND
Chlorobenzene	108-90-7	5		ND	ND	ND	ND	ND
Chloroform	67-66-3	7		ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	5		ND	ND	ND	ND	ND
Dichloromethane	75-09-2	5		ND	ND	ND	ND	ND
Ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND
Methyl n-butyl ketone	591-78-6	50		ND	ND	ND	ND	ND
Methyl tert-butyl ether	1634-04-4	10[3]		ND	ND	ND	ND	ND
Toluene	108-88-3	5		ND	ND	ND	ND	ND
Tetrachloroethene	127-18-4	5		2,200 D	3,800	ND	ND	1 J
Trichloroethylene	79-01-6	5		1 J	ND	ND	ND	ND
m,p-Xylene		5[4]		ND	ND	ND	ND	ND
Xylene (Total)	1330-20-7	5[4]		ND	ND	ND	ND	ND
Volatile Fatty Acids (mg/L)								
Butyric acid	107-92-6	---		NA	ND	NA	NA	ND
Acetic acid	64-19-7	---		NA	ND	NA	NA	ND
Hexanoic acid	142-62-1	---		NA	ND	NA	NA	ND
i-Hexanoic acid	646-07-1	---		NA	ND	NA	NA	ND
i-Pentanoic acid	503-74-2	---		NA	ND	NA	NA	ND
Lactic acid and HIBA	50-21-5	---		NA	0.21	NA	NA	0.24
Pentanoic acid	109-52-4	---		NA	ND	NA	NA	ND
Propionic acid	79-09-4	---		NA	ND	NA	NA	ND
Pyruvic acid	127-17-3	---		NA	ND	NA	NA	ND
Dissolved Light Hydrocarbons (µg/L)								
Ethane	74-84-0	---		NA	ND	NA	NA	0.043
Ethylene	74-85-1	---		NA	0.029	NA	NA	0.310
Methane	74-82-8	---		NA	0.720	NA	NA	7.600
Total organic carbon (mg/L)		---		NA	ND	NA	NA	16.0
Inorganic Compounds[2]								
Manganese (µg/L)	7439-96-5	300		NA	901	NA	NA	8,510
Sodium (µg/L)	7440-23-5	20,000		NA	17,000	NA	NA	22,200
Chloride (mg/L)	16887-00-6	250		NA	23 J	NA	NA	24 J
Nitrate, as N (mg/L)	14797-55-8	10		NA	5.6	NA	NA	2.8
Sulfate (mg/L)	14808-79-8	250		NA	26	NA	NA	26
Sulfide (mg/L)	18496-25-8	0.05[5]		NA	ND	NA	NA	ND

O'BRIEN & GERE

Table 2

Summary of 2006 and 2007 Ground Water Analytical Results for CMT and Monitoring Wells

Jimmy's Dry Cleaners
Roosevelt, NY

Sample ID			X1 (PZ-2)	PZ-3	PZ3	TB-1	TB-1
Screen Interval or Well Depth			WD=19.6'	WD=19.6'	WD=19.6'		
Sample Date			2/22/2007	6/15/2006	2/22/2007	6/15/2006	2/23/2007
Chemical Name	CAS	Max. Allowable Concentration[1]					
Volatile Organic Compounds[2] (µg/L)							
1,1-Dichlorethane	75-34-3	5	ND	ND	ND	ND	ND
Acetone	67-64-1	50	ND	ND	ND	ND	ND
Benzene	71-43-2	1	ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4	50	ND	ND	ND	ND	ND
Chlorobenzene	108-90-7	5	ND	ND	ND	ND	ND
Chloroform	67-66-3	7	ND	ND	ND	3 J	ND
cis-1,2-Dichloroethene	156-59-2	5	ND	ND	ND	ND	ND
Dichloromethane	75-09-2	5	ND	ND	ND	ND	ND
Ethylbenzene	100-41-4	5	ND	ND	ND	ND	ND
Methyl n-butyl ketone	591-78-6	50	ND	ND	ND	ND	ND
Methyl tert-butyl ether	1634-04-4	10[3]	ND	ND	ND	ND	ND
Toluene	108-88-3	5	ND	ND	ND	ND	ND
Tetrachloroethene	127-18-4	5	ND	ND	ND	ND	ND
Trichloroethylene	79-01-6	5	ND	ND	ND	ND	ND
m,p-Xylene		5[4]	ND	ND	ND	ND	ND
Xylene (Total)	1330-20-7	5[4]	ND	ND	ND	ND	ND
Volatile Fatty Acids (mg/L)							
Butyric acid	107-92-6	---	ND	NA	ND	NA	NA
Acetic acid	64-19-7	---	ND	NA	ND	NA	NA
Hexanoic acid	142-62-1	---	0.11	NA	ND	NA	NA
i-Hexanoic acid	646-07-1	---	ND	NA	ND	NA	NA
i-Pentanoic acid	503-74-2	---	ND	NA	ND	NA	NA
Lactic acid and HIBA	50-21-5	---	0.22	NA	0.20	NA	NA
Pentanoic acid	109-52-4	---	ND	NA	ND	NA	NA
Propionic acid	79-09-4	---	ND	NA	ND	NA	NA
Pyruvic acid	127-17-3	---	ND	NA	ND	NA	NA
Dissolved Light Hydrocarbons (µg/L)							
Ethane	74-84-0	---	0.055	NA	0.031	NA	NA
Ethylene	74-85-1	---	0.150	NA	0.230	NA	NA
Methane	74-82-8	---	3.500	NA	5.800	NA	NA
Total organic carbon (mg/L)		---	ND	NA	ND	NA	NA
Inorganic Compounds[2]							
Manganese (µg/L)	7439-96-5	300	7,740	NA	12,800	NA	NA
Sodium (µg/L)	7440-23-5	20,000	22,000	NA	11,200	NA	NA
Chloride (mg/L)	16887-00-6	250	25 J	NA	9.5 J	NA	NA
Nitrate, as N (mg/L)	14797-55-8	10	3.0	NA	13	NA	NA
Sulfate (mg/L)	14808-79-8	250	26	NA	32	NA	NA
Sulfide (mg/L)	18496-25-8	0.05[5]	ND	NA	ND	NA	NA

O'BRIEN & GERE

Table 2

Summary of 2006 and 2007 Ground Water Analytical Results for CMT and Monitoring Wells

Jimmy's Dry Cleaners
Roosevelt, NY

		Sample ID	TB-2	TB-2	TB-3	TB-3	TB-4
		Screen Interval or Well Depth					
		Sample Date	6/16/2006	2/23/2007	6/19/2006	2/26/2007	6/20/2006
Chemical Name	CAS	Max. Allowable Concentration[1]					
Volatile Organic Compounds[2] (µg/L)							
1,1-Dichlorethane	75-34-3	5	ND	ND	ND	ND	ND
Acetone	67-64-1	50	ND	ND	ND	ND	ND
Benzene	71-43-2	1	ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4	50	ND	ND	ND	ND	1 J
Chlorobenzene	108-90-7	5	ND	ND	ND	ND	ND
Chloroform	67-66-3	7	4 J	ND	5	ND	2 J
cis-1,2-Dichloroethene	156-59-2	5	ND	ND	ND	ND	ND
Dichloromethane	75-09-2	5	ND	4 J	ND	ND	ND
Ethylbenzene	100-41-4	5	ND	ND	ND	ND	ND
Methyl n-butyl ketone	591-78-6	50	ND	ND	ND	ND	ND
Methyl tert-butyl ether	1634-04-4	10[3]	ND	ND	ND	ND	ND
Toluene	108-88-3	5	ND	ND	ND	ND	ND
Tetrachloroethene	127-18-4	5	ND	ND	ND	1 J	ND
Trichloroethylene	79-01-6	5	ND	ND	ND	ND	ND
m,p-Xylene		5[4]	ND	ND	ND	ND	ND
Xylene (Total)	1330-20-7	5[4]	ND	ND	ND	ND	ND
Volatile Fatty Acids (mg/L)							
Butyric acid	107-92-6	---	NA	NA	NA	NA	NA
Acetic acid	64-19-7	---	NA	NA	NA	NA	NA
Hexanoic acid	142-62-1	---	NA	NA	NA	NA	NA
i-Hexanoic acid	646-07-1	---	NA	NA	NA	NA	NA
i-Pentanoic acid	503-74-2	---	NA	NA	NA	NA	NA
Lactic acid and HIBA	50-21-5	---	NA	NA	NA	NA	NA
Pentanoic acid	109-52-4	---	NA	NA	NA	NA	NA
Propionic acid	79-09-4	---	NA	NA	NA	NA	NA
Pyruvic acid	127-17-3	---	NA	NA	NA	NA	NA
Dissolved Light Hydrocarbons (µg/L)							
Ethane	74-84-0	---	NA	NA	NA	NA	NA
Ethylene	74-85-1	---	NA	NA	NA	NA	NA
Methane	74-82-8	---	NA	NA	NA	NA	NA
Total organic carbon (mg/L)		---	NA	NA	NA	NA	NA
Inorganic Compounds[2]							
Manganese (µg/L)	7439-96-5	300	NA	ND	NA	ND	NA
Sodium (µg/L)	7440-23-5	20,000	NA	ND	NA	ND	NA
Chloride (mg/L)	16887-00-6	250	NA	NA	NA	NA	NA
Nitrate, as N (mg/L)	14797-55-8	10	NA	NA	NA	NA	NA
Sulfate (mg/L)	14808-79-8	250	NA	NA	NA	NA	NA
Sulfide (mg/L)	18496-25-8	0.05[5]	NA	NA	NA	NA	NA

O'BRIEN & GERE

Table 2

Summary of 2006 and 2007 Ground Water Analytical Results for CMT and Monitoring Wells

Jimmy's Dry Cleaners
Roosevelt, NY

Notes

ND - Not detected
NA - Not analyzed
J - Estimated value
B - Analyte detected in the associated Method Blank
D - Analyte concentration obtained from a diluted analysis
WD - Well depth
(1) Standards or guidance values from Table 1 of NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations*, June 1998.
(2) The analytical results for these compounds were validated.
(3) TOGS 1.1.1 April 2000 Addendum.
(4) The TOGS value for m,p-xylene or total xylene is assumed to be equal to the TOGS value for o-xylene, m-xylene, or p-xylene.
(5) Expressed as hydrogen sulfide.

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Table 3

Soil Vapor Sampling Comparative Results

Jimmy's Dry Cleaners
Roosevelt, NY

Sample ID[1] / Sample Location / Sample Date		SV-1 Taylor/Nas 05/09/06	SV-2 32 Taylor 05/09/06	SV-3 59 Taylor 05/09/06	SV-4 48 Dutchess 05/09/06	SV-4 48 Dutchess 06/13/06	SV-4A 48 Dutchess 06/28/06	4A -Amb. 48 Dutchess 06/28/06
Chemical Name	**CAS**							
Volatile Organic Compounds[2] (µg/m³)								
Acetone	67-64-1	96.1 J	107 J	208 J	423 J	12440	573199 D	<25
Benzene	71-43-2	9.57	8.61	9.57	9204 EDJ	21216	3386	1.0
2-Butanone	78-93-3	17.4	15.3	23.6	31.5	<1180	9273	4.7
Bromomethane	74-83-9	<3.89	<3.89	<3.89	<3.89	<893	<893	<2.2
Carbon disulfide	75-15-0	22.7	21.1	17.7	<3.11	<996.52	<996.52	1.2
Carbon Tetrachloride	56-23-5	<6.30	<6.30	<6.30	<6.30	<944	1277	<2.4
Chlorobenzene	108-90-7	<4.62	<4.62	<4.62	<4.62	<461	<461	<1.2
Chloroethane	75-00-3	<2.66	<2.66	<2.66	<2.66	<290	348	<0.7
Chloroform	67-66-3	<4.87	<4.87	<4.87	<4.87	<488	620	<1.2
Chloromethane	74-87-3	<2.04	<2.04	<2.04	<2.04 J	<372	1276	0.9
Cyclohexane	110-82-7	10.1	<3.35	8.05	6339 EDJ	7087	361650 D	<2.3
Dichlorodifluoromethane	75-71-8	<4.95	<4.95	<4.95	<4.95	—	—	—
1,4-Dichlorobenzene	106-46-7	7.21	<6.01	<6.01	<6.01	<1202	<1202	<3.0
1,1-Dichloroethane	75-34-3	<4.05	<4.05	<4.05	<4.05	<526	<526	<1.3
1,2-Dichloroethane	107-06-2	<4.05	<4.05	<4.05	<4.05	<405	<405	<1.0
1,1-Dichloroethylene	75-35-4	<3.97	<3.97	<3.97	<3.97	<396	<396	<1.0
cis-1,2-Dichloroethylene	156-59-2	<3.97	<3.97	<3.97	<3.97	<436	<436	<1.1
trans-1,2-Dichoroethylene	156-60-5	<3.97	<3.97	<3.97	<3.97	<595	<595	<1.5
1,2-Dichloropropane	78-87-5	<4.62	<4.62	<4.62	<4.62	<462	<462	<1.2
cis-1,3-Dichloropropene	10061-01-5	<4.54	<4.54	<4.54	<4.54	<681	<681	<1.7
trans-1,3-Dichloropropene	10061-02-6	<4.54	<4.54	<4.54	<4.54	<726	<726	<1.8
Ethyl Acetate	141-78-6	28.4	22.3	<3.6	<3.6	<1081	<1081	<2.7
Ethyl Benzene	100-41-4	7.37	7.8	13.4	68.5	<434	4270	<1.1
4-Ethyltoluene	622-96-8	22.1 J	<4.91 J	23.6 J	31.9 J	<983	10024	<2.5
Heptane	142-82-5	17.2	17.2	18	4769 EDJ	6336	5918	<2.6
Hexane	110-54-3	<7.03	<7.03	<7.03	15047 EDJ	24614 J	7849	<2.6
Isopropyl Alcohol	67-63-0	51.5	29.7	28.2	<4.91	<983	93495	<2.5
Methyl butyl Ketone	591-78-6	<8.18	<8.18	<8.18	<8.18	<1229	<1229	<3.1
Methylene Chloride	75-09-2	14.9	11.8	11.8	<6.95	650	56915	<1.0
Methyl tert-butyl Ether	1634-04-4	<3.6	<3.6	<3.6	<3.6	<1082	<1082	<2.7
Propene	115-07-1	<1.72 J	16.8 J	11.3 J	<1.72 J	146944 D	301083 DR	<2.1 R
Styrene	100-42-5	<4.25	<4.25	<4.25	<4.25	<426	8660	<1.1
1,1,2,2-Tetrachloroethane	79-34-5	<6.87	<6.87	<6.87	<6.87	<687	<687	<1.7
Tetrachloroethylene	127-18-4	43.5	37.3	68.6	278	<678	1085	<1.7
Toluene	108-88-3	82	83.9	122	400	531	18469	2.5
1,1,1-Trichloroethane	71-55-6	<5.44	<5.44	<5.44	<5.44	<546	<546	<1.4
1,1,2-Trichloroethane	79-00-5	<5.44	<5.44	<5.44	<5.44	<546	<546	<1.4
Trichloroethylene	79-01-6	5.89	4.82 J	4.29 J	3.21 J	<247	446 J	<0.6
1,2,4-Trimethylbenzene	95-63-6	<4.91 J	<4.91 J	<4.91 J	28.5 J	<983	18947	<2.5
1,3,5-Trimethylbenzene	108-67-8	<4.91	<4.91	<4.91	13.3	<983	6932	<2.5
2,2,4-Trimethylpentane	540-84-1	3139 EJ	4788 EJ	4582 EJ	12581 EDJ	12265	<1028	<2.6
Vinyl Chloride	75-01-4	<2.56	<2.56	<2.56	<2.56	<256	<256	<0.6
m,p-Xylene		23	24.7	41.2	217 J	682	8631	0.7
o-Xylene	95-47-6	8.24	8.67	15.6	65.9	<434	6789	0.5

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Table 3

Soil Vapor Sampling Comparative Results

Jimmy's Dry Cleaners
Roosevelt, NY

	Sample ID[1]	SV-5	SV-6	SV-7	SV-8	SV-8	SV-9	SV-9
	Sample Location	34 Dutchess	25 Davis	29 Queen	51 Queen	51 Queen	Davis / Nas.	Davis / Nas.
	Sample Date	05/09/06	05/09/06	05/09/06	05/09/06	06/13/06	05/09/06	06/13/06
Chemical Name	CAS							
Volatile Organic Compounds[2] (µg/m³)								
Acetone	67-64-1	578 EJ	574 EJ	688 EJ	988 EJ	826	465 J	581
Benzene	71-43-2	16.3	12.1	12.8	10.2	18	3.83	14
2-Butanone	78-93-3	23.6	19.4	23.3	19.1	<29	<5.89	<29
Bromomethane	74-83-9	<3.89	<3.89	<3.89	<3.89	<22	<3.89	<22
Carbon disulfide	75-15-0	<3.11	<3.11	<3.11	<3.11	<25	<3.11	<25
Carbon Tetrachloride	56-23-5	<6.30	<6.30	<6.30	<6.30	<24	<6.30	<24
Chlorobenzene	108-90-7	<4.62	<4.62	<4.62	<4.62	<12	<4.62	<12
Chloroethane	75-00-3	<2.66	<2.66	<2.66	<2.66	<7.0	<2.66	<7.0
Chloroform	67-66-3	<4.87	<4.87	<4.87	<4.87	<12	<4.87	<12
Chloromethane	74-87-3	<2.04	<2.04	<2.04	<2.04	<9.0	<2.04	<9.0
Cyclohexane	110-82-7	<3.35	<3.35	<3.35	<3.35	52	<3.35	45
Dichlorodifluoromethane	75-71-8	<4.95	<4.95	<4.95	<4.95	—	<4.95	—
1,4-Dichlorobenzene	106-46-7	<6.01	<6.01	<6.01	<6.01	<30	<6.01	<30
1,1-Dichloroethane	75-34-3	<4.05	<4.05	<4.05	<4.05	<13	<4.05	<13
1,2-Dichloroethane	107-06-2	<4.05	<4.05	<4.05	<4.05	<10	<4.05	<10
1,1-Dichloroethylene	75-35-4	<3.97	<3.97	<3.97	<3.97	<10	<3.97	<10
cis-1,2-Dichloroethylene	156-59-2	<3.97	<3.97	<3.97	<3.97	<11	<3.97	<11
trans-1,2-Dichoroethylene	156-60-5	<3.97	<3.97	<3.97	<3.97	<15	<3.97	<15
1,2-Dichloropropane	78-87-5	<4.62	<4.62	<4.62	<4.62	<12	<4.62	<12
cis-1,3-Dichloropropene	10061-01-5	<4.54	<4.54	<4.54	<4.54	<17	<4.54	<17
trans-1,3-Dichloropropene	10061-02-6	<4.54	<4.54	<4.54	<4.54	<18	<4.54	<18
Ethyl Acetate	141-78-6	43.9	39.2	<3.60	34.9	<27	<3.6	<27
Ethyl Benzene	100-41-4	47.7	39	40.3	26.9	53	4.34	<11
4-Ethyltoluene	622-96-8	30.4 J	28 J	28.5 J	25 J	<25	<4.91 J	<25
Heptane	142-82-5	23.7	18	19.6	16	31	4.5	<26
Hexane	110-54-3	<7.03	<7.03	<7.03	<7.03	246 J	<7.03	661 J
Isopropyl Alcohol	67-63-0	<4.91	<5.6	<4.91	<4.91	<25	<4.91	<25
Methyl butyl Ketone	591-78-6	<8.18	<8.18	<8.18	<8.18	<31	<8.18	<31
Methylene Chloride	75-09-2	<6.95	<6.95	<6.95	<6.95	21	<6.95	28
Methyl tert-butyl Ether	1634-04-4	<3.6	<3.6	<3.6	<3.6	<27	<3.6	<27
Propene	115-07-1	50.8 J	14.8 J	40.2 J	23 J	<26	19.4 J	<26
Styrene	100-42-5	<4.25	<4.25	<4.25	<4.25	<11	<4.25	<11
1,1,2,2-Tetrachloroethane	79-34-5	<6.87	<6.87	<6.87	<6.87	<17	<6.87	<17
Tetrachloroethylene	127-18-4	203	181	185	125	183	28.5	793
Toluene	108-88-3	290	260	257	186	292	39.9	321
1,1,1-Trichloroethane	71-55-6	<5.44	<5.44	<5.44	<5.44	<14	<5.44	<14
1,1,2-Trichloroethane	79-00-5	<5.44	<5.44	<5.44	<5.44	<14	<5.44	<14
Trichloroethylene	79-01-6	<5.36	<5.36	<5.36	<5.36	<6.0	<5.36	<6.0
1,2,4-Trimethylbenzene	95-63-6	25 J	12.3 J	17.2 J	<4.91 J	27	<4.91 J	<25
1,3,5-Trimethylbenzene	108-67-8	11.3	8.34	9.82	5.4	<25	<4.91	<25
2,2,4-Trimethylpentane	540-84-1	6496 EJ	6004 EJ	6428 EJ	5547 EJ	19155 EJ	3042 EJ	13764 EJ
Vinyl Chloride	75-01-4	<2.56	<2.56	<2.56	<2.56	<6.0	<2.56	<6.0
m,p-Xylene		161	135	143	91.5	77	14.7	28
o-Xylene	95-47-6	50.7	42.1	44.7	27.7	53	4.77	24

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Table 3

Soil Vapor Sampling Comparative Results

Jimmy's Dry Cleaners
Roosevelt, NY

Sample ID[1] / Sample Location / Sample Date		SV-10 Prince/Nas 05/09/06	SV-11 9 Dutchess 05/09/06	SV-12 48 Prince 05/09/06	SV-13 Mt. Joy/Nas 05/09/06	SV-14 27 Mt. Joy 05/10/06	SV-14 27 Mt. Joy 06/13/06	SV-15 68-Agnes 05/09/06
Chemical Name	CAS							
Volatile Organic Compounds[2] (µg/m³)								
Acetone	67-64-1	1380 EJ	1257 EJ	641 EJ	998 EJ	524 EJ	912	277 J
Benzene	**71-43-2**	**14**	**11.5**	**12.8**	**17.5**	**13.1**	**7.5**	**13.1**
2-Butanone	78-93-3	28	24.7	19.4	34.5	22.1	<12	23.6
Bromomethane	**74-83-9**	**<3.89**	**<3.89**	**<3.89**	**<3.89**	**<3.89**	**—**	**<3.89**
Carbon disulfide	75-15-0	<3.11	<3.11	<3.11	<3.11	12.4	<10	13.7
Carbon Tetrachloride	**56-23-5**	**<6.30**	**<6.30**	**<6.30**	**<6.30**	**<6.30**	**<9.0**	**<6.30**
Chlorobenzene	108-90-7	<4.62	<4.62	<4.62	<4.62	<4.62	<5.0	<4.62
Chloroethane	**75-00-3**	**<2.66**	**<2.66**	**<2.66**	**<2.66**	**<2.66**	**<3.0**	**<2.66**
Chloroform	67-66-3	<4.87	<4.87	<4.87	<4.87	<4.87	<5.0	47.2
Chloromethane	**74-87-3**	**<2.04**	**<2.04**	**<2.04**	**<2.04**	**<2.04**	**<4.0**	**<2.04**
Cyclohexane	110-82-7	<3.35	<3.35	<3.35	<3.35	10.1	23	11.7
Dichlorodifluoromethane	**75-71-8**	**<4.95**	**<4.95**	**<4.95**	**<4.95**	**<4.95**	**—**	**<4.95**
1,4-Dichlorobenzene	106-46-7	<6.01	<6.01	<6.01	<6.01	<6.01	<12	9.62
1,1-Dichloroethane	**75-34-3**	**<4.05**	**<4.05**	**<4.05**	**<4.05**	**<4.05**	**<5.0**	**<4.05**
1,2-Dichloroethane	107-06-2	<4.05	<4.05	<4.05	<4.05	<4.05	<4.0	<4.05
1,1-Dichloroethylene	**75-35-4**	**<3.97**	**<3.97**	**<3.97**	**<3.97**	**<3.97**	**<4.0**	**<3.97**
cis-1,2-Dichloroethylene	156-59-2	<3.97	<3.97	<3.97	<3.97	<3.97	<4.0	<3.97
trans-1,2-Dichoroethylene	**156-60-5**	**<3.97**	**<3.97**	**<3.97**	**<3.97**	**<3.97**	**<6.0**	**<3.97**
1,2-Dichloropropane	78-87-5	<4.62	<4.62	<4.62	<4.62	<4.62	<5.0	<4.62
cis-1,3-Dichloropropene	**10061-01-5**	**<4.54**	**<4.54**	**<4.54**	**<4.54**	**<4.54**	**<7.0**	**<4.54**
trans-1,3-Dichloropropene	10061-02-6	<4.54	<4.54	<4.54	<4.54	<4.54	<7.0	<4.54
Ethyl Acetate	**141-78-6**	**60.1**	**40**	**45.7**	**39.2**	**41.8**	**<11**	**33.5**
Ethyl Benzene	100-41-4	52.5	39.5	41.2	52.5	13.9	40	10.4
4-Ethyltoluene	**622-96-8**	**30.9 J**	**27.5 J**	**28.5 J**	**29 J**	**<4.91 J**	**44**	**23.1 J**
Heptane	142-82-5	22.1	18	<4.09	<4.09	24.5	21	24.5
Hexane	**110-54-3**	**<7.03**	**<7.03**	**69.6**	**35.2**	**39**	**88 J**	**44.3**
Isopropyl Alcohol	67-63-0	<4.91	<4.91	<4.91	<4.91	<4.91	<10	50.8
Methyl butyl Ketone	**591-78-6**	**<8.18**	**<8.18**	**<8.18**	**<8.18**	**<8.18**	**<12**	**<8.18**
Methylene Chloride	75-09-2	<6.95	<6.95	<6.95	<6.95	7.3	13	9.39
Methyl tert-butyl Ether	**1634-04-4**	**35.6**	**40.7**	**18.4**	**43.2**	**20.2**	**<11**	**18.4**
Propene	115-07-1	<1.72 J	19.4 J	15.5 J	16.5 J	9.79 J	<10	<1.72 J
Styrene	**100-42-5**	**<4.25**	**<4.25**	**<4.25**	**<4.25**	**<4.25**	**<4.0**	**<4.25**
1,1,2,2-Tetrachloroethane	79-34-5	<6.87	<6.87	<6.87	<6.87	<6.87	<7.0	<6.87
Tetrachloroethylene	**127-18-4**	**240**	**181**	**156**	**209**	**78.8**	**68**	**58.4**
Toluene	108-88-3	312	239	286	320	173	279	132
1,1,1-Trichloroethane	**71-55-6**	**<5.44**	**<5.44**	**<5.44**	**<5.44**	**<5.44**	**<5.0**	**<5.44**
1,1,2-Trichloroethane	79-00-5	<5.44	<5.44	<5.44	<5.44	<5.44	<5.0	<5.44
Trichloroethylene	**79-01-6**	**<5.36**	**<5.36**	**<5.36**	**<5.36**	**3.21 J**	**<2.0**	**4.82 J**
1,2,4-Trimethylbenzene	95-63-6	23.6 J	9.33 J	<4.91 J	<4.91 J	<4.91 J	55	<4.91 J
1,3,5-Trimethylbenzene	**108-67-8**	**11.3**	**7.85**	**5.4**	**5.89**	**<4.91**	**21**	**<4.91**
2,2,4-Trimethylpentane	540-84-1	7248 EJ	5772 EJ	10846 EJ	12879 EJ	11055 EJ	18310 EJ	11472 EJ
Vinyl Chloride	**75-01-4**	**<2.56**	**<2.56**	**<2.56**	**<2.56**	**<2.56**	**<3.0**	**<2.56**
m,p-Xylene		179	137	137	166	39	66	31.6
o-Xylene	**95-47-6**	**54.6**	**41.2**	**32.5**	**39.9**	**12.6**	**60**	**11.3**

O'BRIEN & GERE

Table 3

Soil Vapor Sampling Comparative Results

Jimmy's Dry Cleaners
Roosevelt, NY

Sample ID[1] / Sample Location / Sample Date		SV-16 46 Agnes 05/09/06		SV-17 22 Agnes 05/09/06		SV-18 8 Evans 05/09/06		SV-19 24 High 05/09/06		SV-20 Evans/Nas 05/09/06		SV-21 Craig/Nas 05/09/06		SV-22 27 Craig 05/10/06	
Chemical Name	CAS														
Volatile Organic Compounds[2] (µg/m³)															
Acetone	67-64-1	1237	DJ	846	DJ	1005	EJ	1224	EJ	708	DJ	751	EJ	597	EJ
Benzene	71-43-2	16.3		13.7		15		15		24.2		15.3	J	13.1	J
2-Butanone	78-93-3	768	D	104		102		23		118		107		98.1	
Bromomethane	74-83-9	<3.89		<3.89		<3.89		<3.89		<3.89		<3.89		<3.89	
Carbon disulfide	75-15-0	6.53		<3.11		<3.11		<3.11		<3.11		<3.11		7.77	
Carbon Tetrachloride	56-23-5	<6.30		<6.30		<6.30		<6.30		<6.30		<6.30		<6.30	
Chlorobenzene	108-90-7	<4.62		<4.62		<4.62		<4.62		<4.62		<4.62		<4.62	
Chloroethane	75-00-3	<2.66		<2.66		<2.66		<2.66		<2.66		<2.66		<2.66	
Chloroform	67-66-3	<4.87		<4.87		8.27		<4.87		<4.87		<4.87		<4.87	
Chloromethane	74-87-3	<2.04		<2.04		<2.04		<2.04		<2.04		<2.04		<2.04	
Cyclohexane	110-82-7	130		20.8		20.8		<3.35		35.2		26.2	J	20.1	J
Dichlorodifluoromethane	75-71-8	<4.95		<4.95		<4.95		<4.95		<4.95		<4.95		<4.95	
1,4-Dichlorobenzene	106-46-7	1202	D	<6.01		<6.01		<6.01		420		<6.01		<6.01	
1,1-Dichloroethane	75-34-3	<4.05		<4.05		<4.05		<4.05		<4.05		<4.05		<4.05	
1,2-Dichloroethane	107-06-2	<4.05		<4.05		<4.05		<4.05		<4.05		<4.05		<4.05	
1,1-Dichloroethylene	75-35-4	<3.97		<3.97		<3.97		<3.97		<3.97		<3.97		<3.97	
cis-1,2-Dichloroethylene	156-59-2	<3.97		<3.97		<3.97		<3.97		<3.97		<3.97		<3.97	
trans-1,2-Dichoroethylene	156-60-5	<3.97		<3.97		<3.97		<3.97		<3.97		<3.97		<3.97	
1,2-Dichloropropane	78-87-5	<4.62		<4.62		<4.62		<4.62		<4.62		<4.62		<4.62	
cis-1,3-Dichloropropene	10061-01-5	<4.54		<4.54		<4.54		<4.54		<4.54		<4.54		<4.54	
trans-1,3-Dichloropropene	10061-02-6	<4.54		<4.54		<4.54		<4.54		<4.54		<4.54		<4.54	
Ethyl Acetate	141-78-6	687		208		112		32		206		108	J	114	J
Ethyl Benzene	100-41-4	46		46		46.4		46.8		44.7		45.1		21.2	
4-Ethyltoluene	622-96-8	26.5	J	27	J	27	J	28	J	29	J	28	J	23.6	J
Heptane	142-82-5	<4.09		<4.09		<4.09		<4.09		<4.09		<4.09		<4.09	
Hexane	110-54-3	1202	D	411		188		<7.03		420		348	J	205	J
Isopropyl Alcohol	67-63-0	81.2		<4.91		<4.91		<4.91		<4.91		<4.91		<4.91	
Methyl butyl Ketone	591-78-6	<8.18		<8.18		<8.18		<8.18		<8.18		<8.18		<8.18	
Methylene Chloride	75-09-2	41.4		<6.95		<6.95		<6.95		<6.95		<6.95		8.0	
Methyl tert-butyl Ether	1634-04-4	<3.6		21.2		32.4		<3.6		<3.6		<3.6		<3.6	
Propene	115-07-1	<1.72	J	18.9	J	29.9	J	16.1	J	544	DJ	20.1	R	14.6	R
Styrene	100-42-5	14.9		<4.25		<4.25		<4.25		<4.25		<4.25		4.68	
1,1,2,2-Tetrachloroethane	79-34-5	<6.87		<6.87	J	<6.87		<6.87		<6.87		<6.87		<6.87	
Tetrachloroethylene	127-18-4	147		185		199		200		165		185		126	
Toluene	108-88-3	1411	D	892	D	382		285		443		452		348	
1,1,1-Trichloroethane	71-55-6	<5.44		<5.44		<5.44		<5.44		<5.44		<5.44		<5.44	
1,1,2-Trichloroethane	79-00-5	<5.44		<5.44		<5.44		<5.44		<5.44		<5.44		<5.44	
Trichloroethylene	79-01-6	35.4		5.89		24.1		<5.36		45.5		18.2		6.97	
1,2,4-Trimethylbenzene	95-63-6	<4.91	J	<4.91	J	<4.91	J	<4.91	J	6.87	J	<4.91	J	<4.91	J
1,3,5-Trimethylbenzene	108-67-8	5.89		4.91		<4.91		5.4		6.87		5.89		<4.91	
2,2,4-Trimethylpentane	540-84-1	18668	EDJ	14113	EDJ	11685	EJ	12022	EJ	16760	EDBJ	11626	EJ	10001	EJ
Vinyl Chloride	75-01-4	<2.56		<2.56		<2.56		<2.56		<2.56		<2.56		<2.56	
m,p-Xylene		122		132		145		153		143		142		56.4	
o-Xylene	95-47-6	32.9		33.4		34.7		36.9		36		36.4		16.9	

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Table 3

Soil Vapor Sampling Comparative Results

Jimmy's Dry Cleaners
Roosevelt, NY

Sample ID[1]		Field Dup 1	SV-22	SV-22A	SV-23	SV-24	SV-25	SV-25
Sample Location		27 Craig	27 Craig	27 Craig	49 Craig	4 Ocean	4 Prospect	4 Prospect
Sample Date		05/10/06	06/13/06	06/29/06	05/10/06	05/10/06	05/11/06	06/13/06
Chemical Name	CAS							
Volatile Organic Compounds[2] (µg/m³)								
Acetone	67-64-1	37.4 J	594	<4.3	445	133	15278 EJ	5326
Benzene	71-43-2	1.53	34	<0.8	11.5 J	4.47 J	1075 D	914
2-Butanone	78-93-3	28.9	<118	<2.9	38.6	<5.89	36.2	<1180
Bromomethane	74-83-9	<1.55	<89	<2.0	<3.89	<3.89	<3.89	<893
Carbon disulfide	75-15-0	<1.24	<100	<2.5	<3.11	<3.11	<3.11	<997
Carbon Tetrachloride	56-23-5	<2.52	<94	<2.4	<6.30	<6.30	<6.30	<944
Chlorobenzene	108-90-7	<1.85	<46	<1.2	<4.62	<4.62	<4.62	<461
Chloroethane	75-00-3	<1.06	<29	<0.7	<2.66	<2.66	<2.66	<290
Chloroform	67-66-3	<1.95	<49	<1.2	<4.87	<4.87	<4.87	<488
Chloromethane	74-87-3	<0.82	<37	<0.9	<2.04	<2.04	<2.04	<372
Cyclohexane	110-82-7	<1.34	<103	<2.6	25.5 J	12.4 J	2811 D	4292
Dichlorodifluoromethane	75-71-8	2.77	—	—	<4.95 J	<4.95 J	<4.95 J	—
1,4-Dichlorobenzene	106-46-7	<2.4	<120	<3.0	<6.01	<6.01	<6.01	<1202
1,1-Dichloroethane	75-34-3	<1.62	<53	<1.3	<4.05	<4.05	<4.05	<526
1,2-Dichloroethane	107-06-2	<1.62	<40	<1.0	<4.05	<4.05	<4.05	<405
1,1-Dichloroethylene	75-35-4	<1.59	<40	<1.0	<3.97	<3.97	<3.97	<396
cis-1,2-Dichloroethylene	156-59-2	<3.97	<44	<1.1	<3.97	<3.97	<3.97	<436
trans-1,2-Dichoroethylene	156-60-5	<3.97	<59	<1.5	<3.97	<3.97	<3.97	<595
1,2-Dichloropropane	78-87-5	<1.85	<46	<1.2	<4.62	<4.62	<4.62	<462
cis-1,3-Dichloropropene	10061-01-5	<1.82	<68	<1.7	<4.54	<4.54	<4.54	<681
trans-1,3-Dichloropropene	10061-02-6	<1.82 J	<73	<1.8	<4.54	<4.54 J	<4.54	<726
Ethyl Acetate	141-78-6	<1.44	<108	<2.7	94.7 J	<3.6	<3.6	<1081
Ethyl Benzene	100-41-4	2.6	<43	<1.1	40.8	8.24	64.2	<434
4-Ethyltoluene	622-96-8	<1.96 J	<98	<2.5	27.5 J	<4.91 J	31.4 J	<983
Heptane	142-82-5	9.49 J	<102	<2.6	<4.09	<4.09	402	<1025
Hexane	110-54-3	161	183 J	<2.6	207 J	109 J	2173 D	2964 J
Isopropyl Alcohol	67-63-0	<1.96	<98	<2.5	<4.91	<4.91	<4.91	<983
Methyl butyl Ketone	591-78-6	<3.27	<123	<3.1	<8.18	<8.18	<8.18	<1229
Methylene Chloride	75-09-2	<4.59 B	69	<0.9	<6.95	<6.95	<6.95	<695
Methyl tert-butyl Ether	1634-04-4	<1.44	<108	<2.7	13	<3.6	<3.6	<1082
Propene	115-07-1	<0.69	<103	<2.6	13.2 R	<1.72	<1.72	69703 D
Styrene	100-42-5	<1.7	<43	<1.1	<4.25	<4.25	<4.25	<426
1,1,2,2-Tetrachloroethane	79-34-5	<2.75	<69	<1.7	<6.87	<6.87	<6.87	<687
Tetrachloroethylene	127-18-4	5.97	<68	<1.7	185	42.8	309	<678
Toluene	108-88-3	291	297	<0.9	404	152	506	904
1,1,1-Trichloroethane	71-55-6	<2.18	<55	<1.4	<5.44	<5.44	<5.44	<546
1,1,2-Trichloroethane	79-00-5	<2.18	<55	<1.4	<5.44	<5.44	<5.44	<546
Trichloroethylene	79-01-6	2.14 J	<25	<0.6	19.3	<5.36	<5.36	<247
1,2,4-Trimethylbenzene	95-63-6	<1.96 J	<98	<2.5	8.83 J	<4.91 J	20.1 J	<983
1,3,5-Trimethylbenzene	108-67-8	<1.96	<98	<2.5	7.36	<4.91	10.3	<983
2,2,4-Trimethylpentane	540-84-1	794 EBJ	26549 EJ	<2.6	4352 EJ	2353 EB	7667 EJ	12401
Vinyl Chloride	75-01-4	<1.02	<26	<0.6	<2.56	<2.56	<2.56	<256
m,p-Xylene		3.64	<43	<1.1	136	26.9	206	<434
o-Xylene	95-47-6	<1.73	<43	<1.1	40.3	7.8	59.4	<434

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Table 3

Soil Vapor Sampling Comparative Results

Jimmy's Dry Cleaners
Roosevelt, NY

Sample ID[1]		SV-25A	25A-Amb	25A-Amb S	25A-Amb N	SV-26	SV-27	SV-28
Sample Location		4 Prospect	4 Prospect	4 Prospect	4 Prospect	17 Claurome	235 Seaman	25 Seaman
Sample Date		06/29/06	06/29/06	06/29/06	06/29/06	05/10/06	05/10/06	05/11/06
Chemical Name	CAS							
Volatile Organic Compounds[2] (µg/m³)								
Acetone	67-64-1	24182 D	<30	<41	<30	1088 EJ	938 EJ	783 EJ
Benzene	71-43-2	770	1.1	1.0	1.1	15.6 J	10.8 J	13.7 J
2-Butanone	78-93-3	<12	1.5	1.7	2.7	19.1	18.8	27.7
Bromomethane	74-83-9	<9.0	<2.2	<2.2	<2.2	<3.89	<3.89	<3.89
Carbon disulfide	75-15-0	<10	<2.5	<2.5	<2.5	<3.11	<3.11	<3.11
Carbon Tetrachloride	56-23-5	<9.0	<2.4	<2.4	<2.4	<6.30	<6.30	<6.30
Chlorobenzene	108-90-7	<5.0	<1.2	<1.2	<1.2	<4.62	<4.62	<4.62
Chloroethane	75-00-3	<3.0	<0.7	<0.7	<0.7	<2.66	<2.66	<2.66
Chloroform	67-66-3	<5.0	<1.2	<1.2	<1.2	<4.87	<4.87	<4.87
Chloromethane	74-87-3	<4.0	1.2	1.1	1.1	<2.04	<2.04	<2.04
Cyclohexane	110-82-7	26873 D	<2.5	<1.4	<1.5	<3.35 J	11.1 J	17.8 J
Dichlorodifluoromethane	75-71-8	—	—	—	—	<4.95 J	<4.95 J	<4.95 J
1,4-Dichlorobenzene	106-46-7	<12	<3.0	<3.0	<3.0	<6.01	<6.01	<6.01
1,1-Dichloroethane	75-34-3	<5.0	<1.3	<1.3	<1.3	<4.05	<4.05	<4.05
1,2-Dichloroethane	107-06-2	<4.0	<1.0	<1.0	<1.0	<4.05	<4.05	<4.05
1,1-Dichloroethylene	75-35-4	<4.0	<1.0	<1.0	<1.0	<3.97	<3.97	<3.97
cis-1,2-Dichloroethylene	156-59-2	<4.0	<1.1	<1.1	<1.1	<3.97	<3.97	<3.97
trans-1,2-Dichoroethylene	156-60-5	<6.0	<1.5	<1.5	<1.5	<3.97	<3.97	<3.97
1,2-Dichloropropane	78-87-5	<5.0	<1.2	<1.2	<1.2	<4.62	<4.62	<4.62
cis-1,3-Dichloropropene	10061-01-5	<7.0	<1.7	<1.7	<1.7	<4.54	<4.54	<4.54
trans-1,3-Dichloropropene	10061-02-6	<7.0	<1.8	<1.8	<1.8	<4.54	<4.54 J	<4.54 J
Ethyl Acetate	141-78-6	<11	<2.7	<2.7	<2.7	23.8 J	49.7 J	112 J
Ethyl Benzene	100-41-4	48	0.55	<1.1	0.5	12.6	32.9	39
4-Ethyltoluene	622-96-8	<10	<2.5	<2.5	<2.5	<4.91 J	26.5 J	27.5 J
Heptane	142-82-5	412	<2.6	<2.6	<2.6	<4.09	18	24.1
Hexane	110-54-3	2275	<2.6	<2.6	<2.6	<7.03 J	64.7 J	151 J
Isopropyl Alcohol	67-63-0	<10	<2.5	<2.5	<2.5	<4.91	<4.91	<4.91
Methyl butyl Ketone	591-78-6	<12	<3.1	<3.1	<3.1	<8.18	<8.18	<8.18
Methylene Chloride	75-09-2	39	<1.0	<1.0	1.0	<6.95	<6.95	<15.3 B
Methyl tert-butyl Ether	1634-04-4	<11	<2.7	<2.7	<2.7	29.2	<3.6	14.8
Propene	115-07-1	198903 DR	<2.4 R	<1.9 R	<2.2 R	<1.72	<1.72	<1.72
Styrene	100-42-5	<4.0	<1.1	<1.1	<1.1	<4.25	<4.25	<4.25
1,1,2,2-Tetrachloroethane	79-34-5	<7.0	<1.7	<1.7	<1.7	<6.87	<6.87	<6.87
Tetrachloroethylene	127-18-4	<7.0	<1.7	<1.7	<1.7	119	161	184
Toluene	108-88-3	1408	3.7	1.9	2.9	156	283	355
1,1,1-Trichloroethane	71-55-6	<5.0	<1.4	<1.4	<1.4	<5.44	<5.44	<5.44
1,1,2-Trichloroethane	79-00-5	<5.0	<1.4	<1.4	<1.4	<5.44	<5.44	<5.44
Trichloroethylene	79-01-6	<2.0	<0.6	<0.6	<0.6	<5.36	15	11.3
1,2,4-Trimethylbenzene	95-63-6	235	<2.5	<2.5	<2.5	<4.91 J	<4.91 J	7.85 J
1,3,5-Trimethylbenzene	108-67-8	192	<2.5	<2.5	<2.5	<4.91	5.4	7.36
2,2,4-Trimethylpentane	540-84-1	732	<1.1	<2.6	<2.6	4657 EJ	4897 EBJ	5887 EBJ
Vinyl Chloride	75-01-4	<3.0	<0.6	<0.6	<0.6	<2.56	<2.56	<2.56
m,p-Xylene		179	0.65	<1.1	0.56	25.1	110	131
o-Xylene	95-47-6	156	0.53	<1.1	0.43	5.64	32.5	40.3

Table 3

Soil Vapor Sampling Comparative Results

Jimmy's Dry Cleaners
Roosevelt, NY

Chemical Name	Sample ID[1] / Sample Location / Sample Date	CAS	SV-28 25 Seaman 06/13/06	SV-29 11 Seaman 05/10/06	SV-30 27 W.Lincoln 05/11/06	SV-30 27 W.Lincoln 06/13/06	SV-31 212 N Ocean 05/10/06	Field Dup 2 212 N.Ocean 05/10/06	SV-32 215 N.Ocean 05/10/06
Volatile Organic Compounds[2] (µg/m³)									
Acetone		67-64-1	933	456	334	709	597 EJ	585 EJ	949 EJ
Benzene		71-43-2	6.5	12.8 J	12.4 B	10	8.93 J	7.66 J	12.1 J
2-Butanone		78-93-3	<12	15.6	15.6	<12	17.1	15.3	19.7
Bromomethane		74-83-9	<9.0	<3.89	<3.89	<9.0	<3.89	<3.89	<3.89
Carbon disulfide		75-15-0	<10	<3.11	<3.11	45	<3.11	<3.11	<3.11
Carbon Tetrachloride		56-23-5	<9.0	<6.30	<6.30	<9.0	<6.30	<6.30	<6.30
Chlorobenzene		108-90-7	<5.0	<4.62	<4.62	<5.0	<4.62	<4.62	<4.62
Chloroethane		75-00-3	<3.0	<2.66	<2.66	<3.0	<2.66	<2.66	<2.66
Chloroform		67-66-3	<5.0	<4.87	15.8	<5.0	<4.87	<4.87	<4.87
Chloromethane		74-87-3	<4.0	<2.04	<2.04	<4.0	<2.04	<2.04	<2.04
Cyclohexane		110-82-7	18	31.2 J	13.1 J	33	<3.35 J	<3.35 J	43.6 J
Dichlorodifluoromethane		75-71-8	—	<4.95 J	<4.95 J	—	<4.95 J	<4.95 J	<4.95 J
1,4-Dichlorobenzene		106-46-7	<12	<6.01	<6.01	<12	<6.01	<6.01	<6.01
1,1-Dichloroethane		75-34-3	<5.0	<4.05	<4.05	<5.0	<4.05	<4.05	<4.05
1,2-Dichloroethane		107-06-2	<4.0	<4.05	<4.05	<4.0	<4.05	<4.05	<4.05
1,1-Dichloroethylene		75-35-4	<4.0	<3.97	<3.97	<4.0	<3.97	<3.97	<3.97
cis-1,2-Dichloroethylene		156-59-2	<4.0	<3.97	<3.97	<4.0	<3.97	<3.97	<3.97
trans-1,2-Dichoroethylene		156-60-5	<6.0	<3.97	<3.97	<6.0	<3.97	<3.97	<3.97
1,2-Dichloropropane		78-87-5	<5.0	<4.62	<4.62	<5.0	<4.62	<4.62	<4.62
cis-1,3-Dichloropropene		10061-01-5	<7.0	<4.54	<4.54	<7.0	<4.54	<4.54	<4.54
trans-1,3-Dichloropropene		10061-02-6	<7.0	<4.54 J	<4.54 J	<7.0	<4.54 J	<4.54 J	<4.54 J
Ethyl Acetate		141-78-6	<11	<3.6	158	<11	88.2 J	96.1 J	260 J
Ethyl Benzene		100-41-4	16	42.9	39	85	32.9	29	38.2
4-Ethyltoluene		622-96-8	13	29 J	28.5 J	34	25.5 J	25.5 J	27.5 J
Heptane		142-82-5	13	24.5	19.6	23	13.9	11.5	23.7
Hexane		110-54-3	75 J	233 J	96 J	144 J	35.2 J	<7.03 J	539 J
Isopropyl Alcohol		67-63-0	<10	<4.91	<4.91	<10	<4.91	<4.91	<4.91
Methyl butyl Ketone		591-78-6	<12	<8.18	<8.18	<12	<8.18	<8.18	<8.18
Methylene Chloride		75-09-2	13	<7.65 B	<6.95	12	<6.95	<6.95	<6.95
Methyl tert-butyl Ether		1634-04-4	<11	<3.6	19.8	<11	<3.6	<3.6	<3.6
Propene		115-07-1	15	<1.72	<1.72	<10	<1.72	<1.72	<1.72
Styrene		100-42-5	<4.0	<4.25	<4.25	<4.0	<4.25	<4.25	<4.25
1,1,2,2-Tetrachloroethane		79-34-5	<7.0	<6.87	<6.87	<7.0	<6.87	<6.87	<6.87
Tetrachloroethylene		127-18-4	50	295	185	143	155	136	189
Toluene		108-88-3	277	413	276	337	238	194	314
1,1,1-Trichloroethane		71-55-6	<5	<5.44	15.8	16	<5.44	<5.44	<5.44
1,1,2-Trichloroethane		79-00-5	<5.0	<5.44	<5.44	<5.0	<5.44	<5.44	<5.44
Trichloroethylene		79-01-6	<2.0	<5.36	53	<2.0	4.29 J	6.97	17.1
1,2,4-Trimethylbenzene		95-63-6	23	14.2 J	13.3 J	33	<4.91 J	<4.91 J	5.89 J
1,3,5-Trimethylbenzene		108-67-8	<10	9.33	8.34	13	5.89	5.4	6.87
2,2,4-Trimethylpentane		540-84-1	10277 EJ	5450 EBJ	4856 EBJ	11096 EJ	3593 EBJ	3524 EBJ	5206 EBJ
Vinyl Chloride		75-01-4	<3.0	<2.56	<2.56	<3.0	<2.56	<2.56	<2.56
m,p-Xylene			25	142	135	122	114	101	130
o-Xylene		95-47-6	23	43.8	40.8	75	32.9	30.3	37.7

O'BRIEN & GERE

Table 3

Soil Vapor Sampling Comparative Results

Jimmy's Dry Cleaners
Roosevelt, NY

Sample ID[1]		SV-33	SV-34	SV-35	SV-36	SV-37	SV-38	SV-39
Sample Location		205 N.Ocean	Jimmy's	Nassau	Pleasant/Nas	Davis/Nas	Forest/Nas	15 Woodside
Sample Date		05/10/06	05/10/06	05/10/06	05/10/06	05/10/06	05/10/06	05/10/06
Chemical Name	CAS							
Volatile Organic Compounds[2] (µg/m³)								
Acetone	67-64-1	692 EJ	818 DJ	383 J	450 J	664 EJ	767 EJ	978 EJ
Benzene	71-43-2	13.1	13.7	11.2	12.8	15	14.4	15.3
2-Butanone	78-93-3	18.8	20	13	19.7	20	24.4	27.1
Bromomethane	74-83-9	<3.89	<3.89	<3.89	<3.89	<3.89	<3.89	<3.89
Carbon disulfide	75-15-0	<3.11	<3.11	<3.11	<3.11	<3.11	<3.11	<3.11
Carbon Tetrachloride	56-23-5	<6.30	<6.30	<6.30	<6.30	<6.30	<6.30	<6.30
Chlorobenzene	108-90-7	<4.62	<4.62	<4.62	<4.62	<4.62	<4.62	<4.62
Chloroethane	75-00-3	<2.66	<2.66	<2.66	<2.66	<2.66	<2.66	<2.66
Chloroform	67-66-3	<4.87	<4.87	8.76	<4.87	<4.87	<4.87	<4.87
Chloromethane	74-87-3	<2.04	<2.04	<2.04	<2.04	<2.04	<2.04	<2.04
Cyclohexane	110-82-7	29.5	14.1	13.1	<3.35	<3.35	<3.35	<3.35
Dichlorodifluoromethane	75-71-8	<4.95	<4.95	<4.95	<4.95	<4.95	<4.95	<4.95
1,4-Dichlorobenzene	106-46-7	<6.01	<6.01	<6.01	<6.01	<6.01	<6.01	<6.01
1,1-Dichloroethane	75-34-3	<4.05	<4.05	<4.05	<4.05	<4.05	<4.05	<4.05
1,2-Dichloroethane	107-06-2	<4.05	<4.05	<4.05	<4.05	<4.05	<4.05	<4.05
1,1-Dichloroethylene	75-35-4	<3.97	<3.97	<3.97	<3.97	<3.97	<3.97	<3.97
cis-1,2-Dichloroethylene	156-59-2	<3.97	182	<3.97	<3.97	<3.97	<3.97	<3.97
trans-1,2-Dichoroethylene	156-60-5	<3.97	7.14	<3.97	<3.97	<3.97	<3.97	<3.97
1,2-Dichloropropane	78-87-5	<4.62	<4.62	<4.62	<4.62	<4.62	<4.62	<4.62
cis-1,3-Dichloropropene	10061-01-5	<4.54	<4.54	<4.54	<4.54	<4.54	<4.54	<4.54
trans-1,3-Dichloropropene	10061-02-6	<4.54 J	<4.54 J	<4.54 J	<4.54 J	<4.54 J	<4.54 J	<4.54 J
Ethyl Acetate	141-78-6	194	138	90	44.6	77	68	75.6
Ethyl Benzene	100-41-4	45.1	40.8	42.9	37.7	45.1	42.1	48.1
4-Ethyltoluene	622-96-8	28 J	26.5 J	28 J	26 J	27.5 J	26 J	27.5 J
Heptane	142-82-5	22.5	22.5	17.2	19.2	21.7	26.2	24.9
Hexane	110-54-3	309	130	96.7	<7.03	<7.03	75.6	<7.03
Isopropyl Alcohol	67-63-0	<4.91	<4.91	<4.91	<4.91	<4.91	<4.91	<4.91
Methyl butyl Ketone	591-78-6	<8.18	<8.18	<8.18	<8.18	<8.18	<8.18	<8.18
Methylene Chloride	75-09-2	<6.95	<6.95	<6.95	<9.63 B	<6.95	<6.95	<6.95
Methyl tert-butyl Ether	1634-04-4	<3.6	<3.6	<3.6	<3.6	12.2	10.1	<3.6
Propene	115-07-1	<1.72	<1.72	<1.72	<1.72	<1.72	<1.72	<1.72
Styrene	100-42-5	<4.25	<4.25	<4.25	<4.25	<4.25	<4.25	<4.25
1,1,2,2-Tetrachloroethane	79-34-5	<6.87	<6.87	<6.87	<6.87	<6.87	<6.87	<6.87
Tetrachloroethylene	127-18-4	209	1894 D	443	241	226	205	233
Toluene	108-88-3	405	294	279	247	281	286	306
1,1,1-Trichloroethane	71-55-6	<5.44	<5.44	<5.44	<5.44	<5.44	<5.44	<5.44
1,1,2-Trichloroethane	79-00-5	<5.44	<5.44	<5.44	<5.44	<5.44	<5.44	<5.44
Trichloroethylene	79-01-6	18.8	164	13.4	20.4	25.2	<5.36	<5.36
1,2,4-Trimethylbenzene	95-63-6	7.85 J	<4.91 J	7.36 J	<4.91 J	<4.91 J	<4.91 J	<4.91 J
1,3,5-Trimethylbenzene	108-67-8	7.36	5.4	7.36	<4.91	6.38	5.4	6.38
2,2,4-Trimethylpentane	540-84-1	4803 EBJ	6232 EDJ	3991 EBJ	5487 EBJ	5652 EBJ	6082 EBJ	6495 EBJ
Vinyl Chloride	75-01-4	<2.56	<2.56	<2.56	<2.56	<2.56	<2.56	<2.56
m,p-Xylene		150	133	147	126	148	131	156
o-Xylene	95-47-6	42.5	37.7	42.5	35.6	41.2	36.4	43.4

O'BRIEN & GERE

Table 3

Soil Vapor Sampling Comparative Results

Jimmy's Dry Cleaners
Roosevelt, NY

Sample ID[1] / Sample Location / Sample Date	CAS	SV-40 Col. /Nas. 05/12/06	SV-40 Col. /Nas. 06/13/06	SV-40A Col. /Nas. 06/29/06	Trip Blank 06/29/06	SV-41 69 Pleasant 08/21/06	SV-42 39 Pleasant 08/21/06	SV-43 Davis/Ellison 08/21/06
Volatile Organic Compounds[2] (µg/m³)								
Acetone	67-64-1	908 EJ	954	3065	36	1050 D	631 D	563 D
Benzene	71-43-2	15.3	6.5	<32	<0.8	37 D	6.3 D	5.7 D
2-Butanone	78-93-3	32.1	<12	<118	<2.9	72 D	60 D	23 D
Bromomethane	74-83-9	<3.89	<9.0	<89	<2.2	7.5 D	<4.9	<5.7
Carbon disulfide	75-15-0	<3.11	<10	<100	<2.5	109 D	4.2 D	7.3 D
Carbon Tetrachloride	56-23-5	<6.30	<9.0	<94	<2.4	214 D	<8.0	<9.2
Chlorobenzene	108-90-7	<4.62	<5.0	<46	<1.2	7.1 D	<5.9	<6.7
Chloroethane	75-00-3	<2.66	<3.0	<29	<0.7	<33	<3.4	<3.8
Chloroform	67-66-3	<4.87	<5.0	<49	<1.2	205 D	<6.2	<7.1
Chloromethane	74-87-3	<2.04	<4.0	<37	<0.9	6.1 D	<2.6	<3.0
Cyclohexane	110-82-7	<3.35	<10	2516	16	<43	331 D	<5.0
Dichlorodifluoromethane	75-71-8	<4.95	—	—	—	—	—	—
1,4-Dichlorobenzene	106-46-7	<6.01	<12	<120	<3.0	<75	<7.6	<8.8
1,1-Dichloroethane	75-34-3	<4.05	<5.0	<53	<1.3	<51	<5.1	<5.9
1,2-Dichloroethane	107-06-2	<4.05	<4.0	<40	<1.0	81 D	<5.1	<5.9
1,1-Dichloroethylene	75-35-4	<3.97	<4.0	<40	<1.0	<50	<5.0	<5.8
cis-1,2-Dichloroethylene	156-59-2	<3.97	<4.0	<44	<1.1	72 D	<5.0	<5.8
trans-1,2-Dichoroethylene	156-60-5	<3.97	<6.0	<59	<1.5	120 D	<5.0	<5.8
1,2-Dichloropropane	78-87-5	<4.62	<5.0	<46	<1.2	231 D	<5.9	<6.7
cis-1,3-Dichloropropene	10061-01-5	<4.54	<7.0	<68	<1.7	175 D	<5.8	<6.6
trans-1,3-Dichloropropene	10061-02-6	<4.54 J	<7.0	<73	<1.8	157 D	<5.8	<6.6
Ethyl Acetate	141-78-6	62.3	<11	<108	<2.7	24 D	19 D	<5.2
Ethyl Benzene	100-41-4	50.7	16	<43	<1.1	48 D	<5.5	<6.3
4-Ethyltoluene	622-96-8	29.4 J	11	<98	<2.5	21 D	<6.2	<7.2
Heptane	142-82-5	30.7	19	<102	<2.6	26 D	<5.2	7.0 D
Hexane	110-54-3	<7.03	62 J	<106	<2.6	30 D	21 D	15 D
Isopropyl Alcohol	67-63-0	<4.91	<10	<98	<2.5	23 D	6.5 D	<3.6
Methyl butyl Ketone	591-78-6	<8.18	<12	<123	<3.1	<51	<5.2	<6.0
Methylene Chloride	75-09-2	<6.95	11	131	1.4	238 D	7.2 D	<5.1
Methyl tert-butyl Ether	1634-04-4	<3.6	<11	<108	<2.7	114 D	<4.6	<5.3
Propene	115-07-1	<1.72	<10	383 R	3.2 R	178 D	107 D	188 D
Styrene	100-42-5	<4.25	<4.0	<43	<1.1	13 D	<5.4	<6.2
1,1,2,2-Tetrachloroethane	79-34-5	<6.87	<7.0	<69	<1.7	6480 D	<8.7	<10
Tetrachloroethylene	127-18-4	1062	4217 EJ	13549	<1.7	34 D	109 D	21 D
Toluene	108-88-3	346	200	<38	<0.9	281 D	16 D	11 D
1,1,1-Trichloroethane	71-55-6	<5.44	<5	<55	<1.4	142 D	<6.9	<7.9
1,1,2-Trichloroethane	79-00-5	<5.44	<5.0	<55	<1.4	445 D	<6.9	<7.9
Trichloroethylene	79-01-6	20.4	<2.0	<25	<0.6	113 D	<6.8	<7.8
1,2,4-Trimethylbenzene	95-63-6	13.3 J	20	<98	<2.5	104 D	7.4 D	<7.2
1,3,5-Trimethylbenzene	108-67-8	8.83	<10	<98	<2.5	29 D	<6.2	<7.2
2,2,4-Trimethylpentane	540-84-1	6877 EBJ	11307 EJ	<103	1.3	8.9 D	<5.9	<6.8
Vinyl Chloride	75-01-4	<2.56	<3.0	<26	<0.6	44 D	<3.3	<3.7
m,p-Xylene		167	24	<43	<1.1	87 D	5.9 D	<6.3
o-Xylene	95-47-6	49	20	<43	<1.1	64 D	<5.5	<6.3

O'BRIEN & GERE

Table 3

Soil Vapor Sampling Comparative Results

Jimmy's Dry Cleaners
Roosevelt, NY

Chemical Name	Sample ID[1] / Sample Location / Sample Date	CAS	SV-44 41 Davis 08/21/06		SV-45 Holloway/Ellison 08/21/06		SV-46 45 Holloway 08/22/06		SV-47 63 Woodside 08/22/06		SV-48 19 Forest 08/22/06		SV-49 63 Woodside 08/22/06	
Volatile Organic Compounds[2] (µg/m³)														
Acetone		67-64-1	1560	D	182	D	288	D	25100	D	257	D	120	D
Benzene		71-43-2	4.1	D	7.9	D	<3.5		2110	D	<4.5		<2.9	
2-Butanone		78-93-3	23	D	37	D	52	D	<147		14	D	6.4	D
Bromomethane		74-83-9	<4.9		<5.1		<4.2		<194		<5.5		<3.5	
Carbon disulfide		75-15-0	8.7	D	7.1	D	<3.4		<156		<4.4		3.0	D
Carbon Tetrachloride		56-23-5	<8.0		<8.3		<6.8		<315		<8.8		<5.7	
Chlorobenzene		108-90-7	<5.8		<6.1		<5.0		<230		<6.5		<4.1	
Chloroethane		75-00-3	<3.3		<3.5		<2.9		<132		<3.7		<2.4	
Chloroform		67-66-3	<6.2		<6.4		<5.3		<244		<6.9		4.9	D
Chloromethane		74-87-3	<2.6		<2.7		<2.2		<103		<2.9		<1.9	
Cyclohexane		110-82-7	<4.4		<4.5		42	D	7990	D	<4.8		5.4	D
Dichlorodifluoromethane		75-71-8	—		—		—		—		—		—	
1,4-Dichlorobenzene		106-46-7	<7.6		<7.9		<6.5		<301		<8.5		<5.4	
1,1-Dichloroethane		75-34-3	<5.1		<5.3		<4.4		<202		<5.7		<3.6	
1,2-Dichloroethane		107-06-2	<5.1		<5.3		<4.4		<202		<5.7		<3.6	
1,1-Dichloroethylene		75-35-4	<5.0		<5.2		<4.3		<198		<5.6		<3.6	
cis-1,2-Dichloroethylene		156-59-2	<5.0		<5.2		<4.3		<198		<5.6		<3.6	
trans-1,2-Dichoroethylene		156-60-5	<5.0		<5.2		<4.3		<198		<5.6		<3.6	
1,2-Dichloropropane		78-87-5	<5.9		<6.1		<5.0		<231		<6.5		<4.2	
cis-1,3-Dichloropropene		10061-01-5	<5.7		<6.0		<4.9		<227		<6.4		<4.1	
trans-1,3-Dichloropropene		10061-02-6	<5.7		<6.0		<4.9		<227		<6.4		<4.1	
Ethyl Acetate		141-78-6	5.4	D	8.3	D	6.7	D	<180		7.4	D	<3.2	
Ethyl Benzene		100-41-4	<5.5		<5.7		<4.7		<217		<6.1		<3.9	
4-Ethyltoluene		622-96-8	<6.2		<6.5		<5.3		<246		<6.9		<4.4	
Heptane		142-82-5	13	D	7.5	D	7.5	D	5700	D	14	D	<3.7	
Hexane		110-54-3	6.0	D	20	D	13	D	8110	D	<5.0		<3.2	
Isopropyl Alcohol		67-63-0	<3.1		9.2	D	4.9	D	<123		<3.5		<2.2	
Methyl butyl Ketone		591-78-6	<5.2		<5.4		<4.4		<205		<5.8		<3.7	
Methylene Chloride		75-09-2	<4.4		<4.6		<3.8		<174		<4.9		<3.1	
Methyl tert-butyl Ether		1634-04-4	<4.6		<4.7		<3.9		<180		<5.1		<3.2	
Propene		115-07-1	44	D	235	D	28	D	50800	D	<2.4		<1.6	
Styrene		100-42-5	<5.4		<5.6		<4.6		<213		<6.0		<3.8	
1,1,2,2-Tetrachloroethane		79-34-5	<8.7		<9.0		<7.5		<343		<9.7		<6.2	
Tetrachloroethylene		127-18-4	198	D	10	D	163	D	<339		<9.5		7.0	D
Toluene		108-88-3	7.9	D	83	D	5.9	D	<188		6.1	D	3.6	D
1,1,1-Trichloroethane		71-55-6	<6.9		<7.2		<5.9		<273		<7.7		<4.9	
1,1,2-Trichloroethane		79-00-5	<6.9		<7.2		<5.9		<273		<7.7		<4.9	
Trichloroethylene		79-01-6	<6.8		<7.1		<5.8		<269		<7.6		<4.8	
1,2,4-Trimethylbenzene		95-63-6	<6.2		<6.5		<5.3		<246		<6.9		<4.4	
1,3,5-Trimethylbenzene		108-67-8	<6.2		<6.5		<5.3		<246		<6.9		<4.4	
2,2,4-Trimethylpentane		540-84-1	<5.9		<6.1		<5.1		243	D	<6.6		<4.2	
Vinyl Chloride		75-01-4	<3.2		<3.4		<2.8		<128		<3.6		<2.3	
m,p-Xylene			<5.5		<5.7		<4.7		<217		<6.1		<3.9	
o-Xylene		95-47-6	<5.5		<5.7		<4.7		<217		<6.1		<3.9	

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Table 3

Soil Vapor Sampling Comparative Results

Jimmy's Dry Cleaners
Roosevelt, NY

Chemical Name	Sample ID[1] / Sample Location / Sample Date	CAS	SV-50 Woodside/Charlick 08/22/06		SV-51 65 Colonial 08/23/06		Field Dup 7 65 Colonial 08/23/06	SV-52 29 Colonial 08/23/06		SV-53 55 Stevens 08/23/06		SV-54 38 Stevens 08/23/06	
Volatile Organic Compounds[2] (µg/m³)													
Acetone		67-64-1	145	D	32	D	<3.0	62	D	36	D	239	D
Benzene		71-43-2	<3.8		<4.0		<4.0	<4.0		<4.0		<4.0	
2-Butanone		78-93-3	10	D	<3.7		<3.7	<3.7		<3.7		<3.7	
Bromomethane		74-83-9	<4.6		<4.9		<4.9	<4.9		<4.9		<4.9	
Carbon disulfide		75-15-0	3.9	D	<3.9		<3.9	<3.9		<3.9		<3.9	
Carbon Tetrachloride		56-23-5	<7.4		<7.9		<7.9	<7.9		<7.9		<7.9	
Chlorobenzene		108-90-7	<5.4		<5.8		<5.8	<5.8		<5.8		<5.8	
Chloroethane		75-00-3	<3.1		<3.3		<3.3	<3.3		<3.3		<3.3	
Chloroform		67-66-3	<5.8		<6.1		<6.1	<6.1		<6.1		<6.1	
Chloromethane		74-87-3	<2.4		<2.6		<2.6	<2.6		<2.6		<2.6	
Cyclohexane		110-82-7	13	D	<4.3		<4.3	<4.3		<4.3		<4.3	
Dichlorodifluoromethane		75-71-8	—		—		—	—		—		—	
1,4-Dichlorobenzene		106-46-7	<7.1		<7.5		<7.5	<7.5		<7.5		<7.5	
1,1-Dichloroethane		75-34-3	<4.8		<5.1		<5.1	<5.1		<5.1		<5.1	
1,2-Dichloroethane		107-06-2	<4.8		<5.1		<5.1	<5.1		<5.1		<5.1	
1,1-Dichloroethylene		75-35-4	<4.7		<5.0		<5.0	<5.0		<5.0		<5.0	
cis-1,2-Dichloroethylene		156-59-2	<4.7		<5.0		<5.0	<5.0		<5.0		<5.0	
trans-1,2-Dichoroethylene		156-60-5	<4.7		<5.0		<5.0	<5.0		<5.0		<5.0	
1,2-Dichloropropane		78-87-5	<5.5		<5.8		<5.8	<5.8		<5.8		<5.8	
cis-1,3-Dichloropropene		10061-01-5	<5.4		<5.7		<5.7	<5.7		<5.7		<5.7	
trans-1,3-Dichloropropene		10061-02-6	<5.4		<5.7		<5.7	<5.7		<5.7		<5.7	
Ethyl Acetate		141-78-6	7.1	D	<4.5		<4.5	<4.5		<4.5		<4.5	
Ethyl Benzene		100-41-4	<5.1		<5.4		<5.4	<5.4		<5.4		<5.4	
4-Ethyltoluene		622-96-8	<5.8		<6.2		<6.2	<6.2		<6.2		<6.2	
Heptane		142-82-5	8.8	D	<5.1		<5.1	<5.1		<5.1		<5.1	
Hexane		110-54-3	<4.2		<4.4		<4.4	<4.4		<4.4		<4.4	
Isopropyl Alcohol		67-63-0	3.2	D	<3.1		<3.1	<3.1		<3.1		<3.1	
Methyl butyl Ketone		591-78-6	<4.8		<5.1		<5.1	<5.1		<5.1		<5.1	
Methylene Chloride		75-09-2	5.3	D	20	D	<4.3	4.7	D	5.0	D	<4.3	
Methyl tert-butyl Ether		1634-04-4	<4.3		<4.5		<4.5	<4.5		<4.5		<4.5	
Propene		115-07-1	7.7	D	<2.2		<2.2	<2.0		<2.2		<2.2	
Styrene		100-42-5	<5.0		<5.3		<5.3	<5.3		<5.3		<5.3	
1,1,2,2-Tetrachloroethane		79-34-5	<8.1		<8.6		<8.6	<8.6		<8.6		<8.6	
Tetrachloroethylene		127-18-4	<8.0		<8.5		<8.5	<8.5		<8.5		<8.5	
Toluene		108-88-3	6.0	D	<4.7		<4.7	<4.7		<4.7		<4.7	
1,1,1-Trichloroethane		71-55-6	<6.4		<6.8		<6.8	<6.8		<6.8		<6.8	
1,1,2-Trichloroethane		79-00-5	<6.4		<6.8		<6.8	<6.8		<6.8		<6.8	
Trichloroethylene		79-01-6	<6.3		<6.7		<6.7	<6.7		<6.7		<6.7	
1,2,4-Trimethylbenzene		95-63-6	<5.8		7.5	D	<6.2	<6.2		<6.2		<6.2	
1,3,5-Trimethylbenzene		108-67-8	<5.8		<6.2		<6.2	<6.2		<6.2		<6.2	
2,2,4-Trimethylpentane		540-84-1	<5.5		<5.8		<5.8	<5.8		<5.8		<5.8	
Vinyl Chloride		75-01-4	<3.0		<3.2		<3.2	<3.2		<3.2		<3.2	
m,p-Xylene			<5.1		<5.4		<5.4	<5.4		<5.4		<5.4	
o-Xylene		95-47-6	<5.1		<5.4		<5.4	<5.4		<5.4		<5.4	

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Table 3

Soil Vapor Sampling Comparative Results

Jimmy's Dry Cleaners
Roosevelt, NY

Chemical Name	Sample ID[1] / Sample Location / Sample Date	CAS	SV-55 46 Indep. 08/23/06	SV-56 32 Indep. 08/23/06	Amb Up 1 SV-42 08/21/06	Amb Dn 2 SV-45 08/21/06	Amb Up 3 SV-46 08/22/06	Amb Dn 4 SV-49 08/22/06	Trip Blank 5 08/22/06
Volatile Organic Compounds[2] (µg/m³)									
Acetone		67-64-1	<3.0	69 D	<1.2	<1.2	<1.2	<1.2	11
Benzene		71-43-2	<4.0	<4.0	<1.6	<1.6	<1.6	<1.6	<1.6
2-Butanone		78-93-3	<3.7	<3.7	<1.5	5.1	2.0	1.9	<1.5
Bromomethane		74-83-9	<4.9	<4.9	<2.2	<2.2	<2.2	<2.2	<2.2
Carbon disulfide		75-15-0	<3.9	<3.9	<1.6	<1.6	<1.6	<1.6	<1.6
Carbon Tetrachloride		56-23-5	<7.9	<7.9	<3.2	<3.2	<3.2	<3.2	<3.2
Chlorobenzene		108-90-7	<5.8	<5.8	<2.3	<2.3	<2.3	<2.3	<2.3
Chloroethane		75-00-3	<3.3	<3.3	<1.3	<1.3	<1.3	<1.3	<1.3
Chloroform		67-66-3	<6.1	<6.1	<2.4	<2.4	<2.4	<2.4	<2.4
Chloromethane		74-87-3	<2.6	<2.6	<1.0	<1.0	<1.0	<1.0	<1.0
Cyclohexane		110-82-7	<4.3	<4.3	<1.7	<1.7	<1.7	<1.7	17
Dichlorodifluoromethane		75-71-8	—	—	—	—	—	—	—
1,4-Dichlorobenzene		106-46-7	<7.5	<7.5	<3.0	<3.0	<3.0	<3.0	<3.0
1,1-Dichloroethane		75-34-3	<5.1	<5.1	<2.0	<2.0	<2.0	<2.0	<2.0
1,2-Dichloroethane		107-06-2	<5.1	<5.1	<2.0	<2.0	<2.0	<2.0	<2.0
1,1-Dichloroethylene		75-35-4	<5.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0
cis-1,2-Dichloroethylene		156-59-2	<5.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0
trans-1,2-Dichoroethylene		156-60-5	<5.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0
1,2-Dichloropropane		78-87-5	<5.8	<5.8	<2.3	<2.3	<2.3	<2.3	<2.3
cis-1,3-Dichloropropene		10061-01-5	<5.7	<5.7	<2.3	<2.3	<2.3	<2.3	<2.3
trans-1,3-Dichloropropene		10061-02-6	<5.7	<5.7	<2.3	<2.3	<2.3	<2.3	<2.3
Ethyl Acetate		141-78-6	<4.5	<4.5	<1.8	<1.8	<1.8	<1.8	<1.8
Ethyl Benzene		100-41-4	<5.4	<5.4	<2.2	<2.2	<2.2	<2.2	<2.2
4-Ethyltoluene		622-96-8	<6.2	<6.2	<2.5	<2.5	<2.5	<2.5	<2.5
Heptane		142-82-5	<5.1	<5.1	<2.1	<2.1	<2.1	<2.1	<2.1
Hexane		110-54-3	<4.4	<4.4	<1.8	<1.8	<1.8	<1.8	<1.8
Isopropyl Alcohol		67-63-0	<3.1	<3.1	<1.2	<1.2	<1.2	<1.2	<1.2
Methyl butyl Ketone		591-78-6	<5.1	<5.1	<2.1	<2.1	<2.1	<2.1	<2.1
Methylene Chloride		75-09-2	5.1 D	222 D	<1.7	1.9	2.3	<1.7	<1.7
Methyl tert-butyl Ether		1634-04-4	<4.5	<4.5	<1.8	<1.8	<1.8	<1.8	<1.8
Propene		115-07-1	<2.2	<2.2	<0.86	<0.86	<0.86	<0.86	3.9
Styrene		100-42-5	<5.3	<5.3	<2.1	<2.1	<2.1	<2.1	<2.1
1,1,2,2-Tetrachloroethane		79-34-5	<8.6	<8.6	<3.4	<3.4	<3.4	<3.4	<3.4
Tetrachloroethylene		127-18-4	84 D	<8.5	<3.4	<3.4	<3.4	<3.4	<3.4
Toluene		108-88-3	<4.7	<4.7	2.8	4.4	3.7	3.5	<1.9
1,1,1-Trichloroethane		71-55-6	<6.8	<6.8	<2.7	<2.7	<2.7	<2.7	<2.7
1,1,2-Trichloroethane		79-00-5	<6.8	<6.8	<2.7	<2.7	<2.7	<2.7	<2.7
Trichloroethylene		79-01-6	<6.7	<6.7	<2.7	<2.7	<2.7	<2.7	<2.7
1,2,4-Trimethylbenzene		95-63-6	<6.2	<6.2	<2.5	<2.5	<2.5	<2.5	<2.5
1,3,5-Trimethylbenzene		108-67-8	<6.2	<6.2	<2.5	<2.5	<2.5	<2.5	<2.5
2,2,4-Trimethylpentane		540-84-1	<5.8	<5.8	<2.3	<2.3	<2.3	<2.3	<2.3
Vinyl Chloride		75-01-4	<3.2	<3.2	<1.3	<1.3	<1.3	<1.3	<1.3
m,p-Xylene			<5.4	<5.4	<2.2	<2.2	<2.2	<2.2	<2.2
o-Xylene		95-47-6	<5.4	<5.4	<2.2	<2.2	<2.2	<2.2	<2.2

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Table 3

Soil Vapor Sampling Comparative Results

Jimmy's Dry Cleaners
Roosevelt, NY

	Sample ID[1]	Amb Up 8	54-Amb	Amb Dn 10	Trip
	Sample Location	SV-52	SV-54	SV-55	Blank 11
	Sample Date	08/23/06	08/23/06	08/23/06	08/23/06
Chemical Name	CAS				
Volatile Organic Compounds[2] (µg/m³)					
Acetone	67-64-1	25 J	23 J	23 J	<1.2 J
Benzene	71-43-2	2.0	2.1	2.3	<1.6
2-Butanone	78-93-3	2.0	2.2	2.4	<1.5
Bromomethane	74-83-9	<1.9	<1.9	<1.9	<1.9
Carbon disulfide	75-15-0	<1.6	<1.6	<1.6	<1.6
Carbon Tetrachloride	56-23-5	<3.2	<3.2	<3.2	<3.2
Chlorobenzene	108-90-7	<2.3	<2.3	<2.3	<2.3
Chloroethane	75-00-3	<1.3	<1.3	<1.3	<1.3
Chloroform	67-66-3	<2.4	<2.4	<2.4	<2.4
Chloromethane	74-87-3	<1.0	<1.0	<1.0	<1.0
Cyclohexane	110-82-7	<1.7	2.3	<1.7	<1.7
Dichlorodifluoromethane	75-71-8	—	—	—	—
1,4-Dichlorobenzene	106-46-7	<3.0	<3.0	<3.0	<3.0
1,1-Dichloroethane	75-34-3	<2.0	<2.0	<2.0	<2.0
1,2-Dichloroethane	107-06-2	<2.0	<2.0	<2.0	<2.0
1,1-Dichloroethylene	75-35-4	<2.0	<2.0	<2.0	<2.0
cis-1,2-Dichloroethylene	156-59-2	<2.0	<2.0	<2.0	<2.0
trans-1,2-Dichoroethylene	156-60-5	<2.0	<2.0	<2.0	<2.0
1,2-Dichloropropane	78-87-5	<2.3	<2.3	<2.3	<2.3
cis-1,3-Dichloropropene	10061-01-5	<2.3	<2.3	<2.3	<2.3
trans-1,3-Dichloropropene	10061-02-6	<2.3	<2.3	<2.3	<2.3
Ethyl Acetate	141-78-6	<1.8	<1.8	<1.8	<1.8
Ethyl Benzene	100-41-4	<2.2	<2.2	<2.2	<2.2
4-Ethyltoluene	622-96-8	<2.5	<2.5	<2.5	<2.5
Heptane	142-82-5	4.0	3.0	2.8	<2.1
Hexane	110-54-3	1.8	2.1	3.1	<1.8
Isopropyl Alcohol	67-63-0	<1.2	<1.2	<1.2	<1.2
Methyl butyl Ketone	591-78-6	<2.1	<2.1	<2.1	<2.1
Methylene Chloride	75-09-2	<1.7	1.8	<1.7	<1.7
Methyl tert-butyl Ether	1634-04-4	<1.8	<1.8	<1.8	<1.8
Propene	115-07-1	<0.86	<0.86	<0.86	<0.86
Styrene	100-42-5	<2.1	<2.1	<2.1	<2.1
1,1,2,2-Tetrachloroethane	79-34-5	<3.4	<3.4	<3.4	<3.4
Tetrachloroethylene	127-18-4	<3.4	<3.4	<3.4	<3.4
Toluene	108-88-3	14	11	11	<1.9
1,1,1-Trichloroethane	71-55-6	<2.7	<2.7	<2.7	<2.7
1,1,2-Trichloroethane	79-00-5	<2.7	<2.7	<2.7	<2.7
Trichloroethylene	79-01-6	<2.7	<2.7	<2.7	<2.7
1,2,4-Trimethylbenzene	95-63-6	<2.5	<2.5	<2.5	<2.5
1,3,5-Trimethylbenzene	108-67-8	<2.5	<2.5	<2.5	<2.5
2,2,4-Trimethylpentane	540-84-1	2.6	2.8	4.2	<2.3
Vinyl Chloride	75-01-4	<1.3	<1.3	<1.3	<1.3
m,p-Xylene		2.6	<2.2	2.9	<2.2
o-Xylene	95-47-6	<2.2	<2.2	<2.2	<2.2

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Table 3

Soil Vapor Sampling Comparative Results

Jimmy's Dry Cleaners
Roosevelt, NY

Notes

J - Estimated value

B - Analyte detected in the associated Method Blank

E - Value exceeds instrument calibration range

D - Analyte concentration obtained from a diluted analysis

R - Technically rejected

(1) Samples designated with an "A", were hand driven. Teflon tubing & glass beads were used instead of polyethlene tubing & sand.

(2) The analytical results for these compounds were validated.

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Table 4

Summary of Soil and Ground Water Analytical Results for DP-1, 2, 3, and 4

Jimmy's Dry Cleaners
Roosevelt, NY

				Sample Location	DP-1			DP-2			DP-1			
				Sample Type	Soil (µg/kg)			Soil (µg/kg)			Ground Water (µg/L)			
				Sample Depth (ft bgs)	3-5	8-10	13-15	8-10	13-15	17-19	16-20	36-40	56-60	76-80
				Sample Date	5/21/07	5/21/07	5/21/07	5/21/07	5/21/07	5/21/07	5/21/07	5/21/07	5/21/07	5/21/07
Chemical Name	CAS	TAGM 4046 Soil Cleanup Objective[1]	Subpart 375-6 Soil Cleanup Objective[2]	Max. Allowable Concentration[3]										
Volatile Organic Compounds		(µg/kg)	(µg/kg)	(µg/L)										
Acetone	67-64-1	200	50	50	ND	ND	ND	ND	ND	12	ND	ND	ND	76
Benzene	71-43-2	60	60	1	ND	2 J	ND	2 J	2 J	ND	ND	ND	ND	ND
2-Butanone	78-93-3	300	120	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	20
Carbon disulfide	75-15-0	2,700	---	60[4]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	67-66-3	300	370	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	75-09-2	100	50	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene (semi-VOC)	91-20-3	13,000	12,000	10	4 J	1 J	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	108-88-3	1,500	700	5	1 J	5 J	ND	4 J	5 J	3 J	ND	ND	ND	1J
Tetrachloroethene	127-18-4	1,400	1300	5	ND	ND	ND	ND	ND	ND	ND	1 J	2 J	2 J
Trichloroethylene	79-01-6	700	470	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Table 4

Summary of Soil and Ground Water Analytical Results for DP-1, 2, 3, and 4

Jimmy's Dry Cleaners
Roosevelt, NY

Chemical Name	CAS	TAGM 4046 Soil Cleanup Objective[1]	Subpart 375-6 Soil Cleanup Objective[2]	Max. Allowable Concentration[3]	DP-2 Ground Water (µg/L)				DP-3 Ground Water (µg/L)				DP-4 Ground Water (µg/L)			
Sample Location					DP-2				DP-3				DP-4			
Sample Type					Ground Water (µg/L)				Ground Water (µg/L)				Ground Water (µg/L)			
Sample Depth (ft bgs)					16-20	36-40	56-60	76-80	16-20	36-40	56-60	76-80	16-20	36-40	56-60	76-80
Sample Date					5/21/07	5/21/07	5/21/07	5/21/07	5/21/07	5/21/07	5/21/07	5/21/07	5/21/07	5/21/07	5/21/07	5/21/07
Volatile Organic Compounds		(µg/kg)	(µg/kg)	(µg/L)												
Acetone	67-64-1	200	50	50	ND	ND	ND	ND	ND	10	26	35	ND	16	26	20
Benzene	71-43-2	60	60	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	78-93-3	300	120	50	ND	ND	ND	ND	ND	ND	ND	9	ND	ND	ND	ND
Carbon disulfide	75-15-0	2,700	---	60[4]	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 J	ND	ND
Chloroform	67-66-3	300	370	7	ND	2 J	ND	ND	ND	ND	ND	ND	1 J	ND	ND	ND
Methylene Chloride	75-09-2	100	50	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene (semi-VOC)	91-20-3	13,000	12,000	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	108-88-3	1,500	700	5	ND	ND	ND	ND	ND	ND	ND	3 J	ND	ND	ND	1 J
Tetrachloroethene	127-18-4	1,400	1300	5	ND	ND	ND	ND	ND	15	22	2 J	ND	ND	ND	ND
Trichloroethylene	79-01-6	700	470	5	ND	ND	ND	ND	ND	ND	1 J	ND	ND	ND	ND	ND

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Table 4

Summary of Soil and Ground Water Analytical Results for DP-1, 2, 3, and 4

Jimmy's Dry Cleaners
Roosevelt, NY

Notes

bgs - Below ground surface

ND - Not detected

J - Estimated value

(1) Tables 1 and 2 of NYSDEC Division of Environmental Remediation Technical and Administrative Guidance Memorandum (TAGM) #4046, *Determination of Soil Cleanup Objectives and Cleanup Levels*, January 1994.

(2) Table 375-6.8(a): *Unrestricted Use Soil Cleanup* of 6NYCRR Subpart 375-6: *Remedial Program Soil Cleanup*, December 14, 2006.

(3) Standards or guidance values from Table 1 of NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations*, June 1998.

(4) TOGS 1.1.1 April 2000 Addendum.

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Table 5

Summary of MW-1, 2, and 3 Ground Water Analytical Results for Screening

Jimmy's Dry Cleaners
Roosevelt, NY

		Sample Location	MW-1	MW-1	MW-1	MW-1	MW-1
		Sample Depth (ft bgs)	20	30	40	50	60
		Sample Date	6/4/07	6/4/07	6/4/07	6/4/07	6/4/07
Chemical Name	CAS	Max. Allowable Concentration[1]					
Volatile Organic Compounds[2] (µg/L)							
Benzene	71-43-2	1	ND	3 J	ND	ND	ND
Chloroform	67-66-3	7	ND	ND	1 J	ND	ND
Chloromethane	74-87-3	5	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	5	ND	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	5	6	24	ND	ND	ND
Ethylbenzene	100-41-4	5	44	49	ND	2 J	4 J
Isopropylbenzene	98-82-8	5	19	16	ND	ND	1 J
4-Isopropyltoluene	99-87-6	5	10	7	ND	ND	ND
Methyl tert-butyl ether	1634-04-4	10[3]	ND	ND	ND	ND	ND
Methylene Chloride	75-09-2	5	ND	2 J	ND	ND	ND
n-Butylbenzene	104-51-8	5	18	12	ND	ND	1 J
n-Propylbenzene	103-65-1	5	29	22	ND	ND	2 J
Naphthalene	91-20-3	10	83 B	88 B	ND	4 JB	7 B
sec-Butylbenzene	135-98-8	5	13	9	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6	5, 10[4]	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	5	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	95-63-6	5	180	140	ND	5	9
1,3,5-Trimethylbenzene	108-67-8	5	45	35	ND	1 J	2 J
Toluene	108-88-3	5	ND	ND	ND	ND	ND
Tetrachloroethene	127-18-4	5	ND	ND	ND	ND	ND
Trichloroethene	79-01-6	5	ND	ND	ND	ND	ND
m,p-Xylene		5[5]	63	74	ND	3 J	6
o-Xylene	95-47-6	5	ND	1 J	ND	ND	ND
Xylene (Total)	1330-20-7	5[5]	63	75	ND	3 J	6

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Table 5

Summary of MW-1, 2, and 3 Ground Water Analytical Results for Screening

Jimmy's Dry Cleaners
Roosevelt, NY

		Sample Location	MW-1	MW-1	MW-1	MW-1	MW-1
		Sample Depth (ft bgs)	70	80	90	100	110
		Sample Date	6/4/07	6/4/07	6/4/07	6/4/07	6/4/07
Chemical Name	CAS	Max. Allowable Concentration[1]					
Volatile Organic Compounds[2] (µg/L)							
Benzene	71-43-2	1	ND	ND	ND	ND	ND
Chloroform	67-66-3	7	ND	ND	ND	ND	ND
Chloromethane	74-87-3	5	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	5	ND	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	5	ND	ND	ND	ND	ND
Ethylbenzene	100-41-4	5	1 J	ND	ND	2 J	3 J
Isopropylbenzene	98-82-8	5	ND	ND	ND	ND	1 J
4-Isopropyltoluene	99-87-6	5	ND	ND	ND	ND	ND
Methyl tert-butyl ether	1634-04-4	10[3]	ND	ND	ND	ND	ND
Methylene Chloride	75-09-2	5	ND	ND	ND	ND	ND
n-Butylbenzene	104-51-8	5	ND	ND	ND	ND	ND
n-Propylbenzene	103-65-1	5	ND	ND	ND	ND	1 J
Naphthalene	91-20-3	10	3 JB	2 JB	2 JB	6 B	8 B
sec-Butylbenzene	135-98-8	5	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6	5, 10[4]	ND	ND	ND	2 J	ND
1,2,4-Trichlorobenzene	120-82-1	5	ND	ND	ND	1 J	ND
1,2,4-Trimethylbenzene	95-63-6	5	3 J	1 J	2 J	4 J	8
1,3,5-Trimethylbenzene	108-67-8	5	ND	ND	ND	1 J	2 J
Toluene	108-88-3	5	ND	ND	ND	ND	ND
Tetrachloroethene	127-18-4	5	ND	ND	ND	ND	ND
Trichloroethene	79-01-6	5	ND	2 J	ND	ND	ND
m,p-Xylene		5[5]	2 J	ND	1 J	2 J	5
o-Xylene	95-47-6	5	ND	ND	ND	ND	ND
Xylene (Total)	1330-20-7	5[5]	2 J	ND	1 J	2 J	5

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Table 5

Summary of MW-1, 2, and 3 Ground Water Analytical Results for Screening

Jimmy's Dry Cleaners
Roosevelt, NY

		Sample Location	MW-1	MW-1	MW-1	MW-1	MW-2
		Sample Depth (ft bgs)	120	130	140	150	20
		Sample Date	6/4/07	6/1/07	6/1/07	6/1/07	5/22/07
Chemical Name	CAS	Max. Allowable Concentration[1]					
Volatile Organic Compounds[2] (µg/L)							
Benzene	71-43-2	1	ND	ND	ND	ND	ND
Chloroform	67-66-3	7	ND	ND	ND	ND	ND
Chloromethane	74-87-3	5	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	5	ND	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	5	ND	ND	ND	ND	ND
Ethylbenzene	100-41-4	5	7	ND	ND	2 J	ND
Isopropylbenzene	98-82-8	5	2 J	ND	ND	1 J	ND
4-Isopropyltoluene	99-87-6	5	1 J	ND	ND	1 J	ND
Methyl tert-butyl ether	1634-04-4	10[3]	ND	ND	ND	ND	9
Methylene Chloride	75-09-2	5	ND	ND	ND	ND	ND
n-Butylbenzene	104-51-8	5	2 J	ND	ND	ND	ND
n-Propylbenzene	103-65-1	5	3 J	ND	ND	2 J	ND
Naphthalene	91-20-3	10	20 B	2 JB	2 JB	9 B	9 B
sec-Butylbenzene	135-98-8	5	2 J	ND	ND	2 J	ND
1,2,3-Trichlorobenzene	87-61-6	5, 10[4]	2 J	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	5	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	95-63-6	5	22	2 J	2 J	12	3 J
1,3,5-Trimethylbenzene	108-67-8	5	6	ND	ND	3 J	ND
Toluene	108-88-3	5	ND	ND	ND	ND	ND
Tetrachloroethene	127-18-4	5	ND	ND	ND	ND	14
Trichloroethene	79-01-6	5	ND	ND	ND	ND	ND
m,p-Xylene		5[5]	14	ND	ND	3 J	2 J
o-Xylene	95-47-6	5	ND	ND	ND	ND	ND
Xylene (Total)	1330-20-7	5[5]	14	ND	ND	3 J	2 J

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Table 5

Summary of MW-1, 2, and 3 Ground Water Analytical Results for Screening

Jimmy's Dry Cleaners
Roosevelt, NY

		Sample Location	MW-2	MW-2	MW-2	MW-2	MW-2
		Sample Depth (ft bgs)	30	40	50	60	70
		Sample Date	5/22/07	5/22/07	5/22/07	5/22/07	5/22/07
Chemical Name	CAS	Max. Allowable Concentration[1]					
Volatile Organic Compounds[2] (µg/L)							
Benzene	71-43-2	1	ND	ND	ND	ND	ND
Chloroform	67-66-3	7	ND	ND	ND	ND	ND
Chloromethane	74-87-3	5	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	5	ND	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	5	ND	ND	ND	ND	ND
Ethylbenzene	100-41-4	5	ND	ND	ND	ND	ND
Isopropylbenzene	98-82-8	5	ND	ND	ND	ND	ND
4-Isopropyltoluene	99-87-6	5	ND	ND	ND	ND	ND
Methyl tert-butyl ether	1634-04-4	10[3]	10	2 J	ND	1 J	2 J
Methylene Chloride	75-09-2	5	ND	ND	ND	ND	ND
n-Butylbenzene	104-51-8	5	ND	ND	ND	ND	ND
n-Propylbenzene	103-65-1	5	ND	ND	ND	ND	ND
Naphthalene	91-20-3	10	1 JB	ND	ND	ND	ND
sec-Butylbenzene	135-98-8	5	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6	5, 10[4]	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	5	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	95-63-6	5	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	108-67-8	5	ND	ND	ND	ND	ND
Toluene	108-88-3	5	ND	ND	ND	ND	ND
Tetrachloroethene	127-18-4	5	6	4 J	ND	3 J	6
Trichloroethene	79-01-6	5	ND	ND	ND	ND	ND
m,p-Xylene		5[5]	ND	ND	ND	ND	ND
o-Xylene	95-47-6	5	ND	ND	ND	ND	ND
Xylene (Total)	1330-20-7	5[5]	ND	ND	ND	ND	ND

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Table 5

Summary of MW-1, 2, and 3 Ground Water Analytical Results for Screening

Jimmy's Dry Cleaners
Roosevelt, NY

		Sample Location	MW-2	MW-2	MW-2	X-1 (MW-2)	MW-2
		Sample Depth (ft bgs)	80	90	100	100	110
		Sample Date	5/22/07	5/22/07	5/22/07	5/22/07	5/22/07
Chemical Name	CAS	Max. Allowable Concentration[1]					
Volatile Organic Compounds[2] (µg/L)							
Benzene	71-43-2	1	ND	ND	ND	ND	ND
Chloroform	67-66-3	7	ND	ND	ND	ND	ND
Chloromethane	74-87-3	5	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	5	ND	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	5	ND	ND	ND	ND	ND
Ethylbenzene	100-41-4	5	ND	ND	ND	ND	ND
Isopropylbenzene	98-82-8	5	ND	ND	ND	ND	ND
4-Isopropyltoluene	99-87-6	5	ND	ND	ND	ND	ND
Methyl tert-butyl ether	1634-04-4	10[3]	11	10	22	25	25
Methylene Chloride	75-09-2	5	ND	ND	ND	ND	ND
n-Butylbenzene	104-51-8	5	ND	ND	ND	ND	ND
n-Propylbenzene	103-65-1	5	ND	ND	ND	ND	ND
Naphthalene	91-20-3	10	ND	ND	ND	ND	ND
sec-Butylbenzene	135-98-8	5	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6	5, 10[4]	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	5	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	95-63-6	5	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	108-67-8	5	ND	ND	ND	ND	ND
Toluene	108-88-3	5	ND	ND	ND	ND	ND
Tetrachloroethene	127-18-4	5	ND	15	14	13	20
Trichloroethene	79-01-6	5	11	ND	ND	ND	ND
m,p-Xylene		5[5]	ND	ND	ND	ND	ND
o-Xylene	95-47-6	5	ND	ND	ND	ND	ND
Xylene (Total)	1330-20-7	5[5]	ND	ND	ND	ND	ND

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Table 5

Summary of MW-1, 2, and 3 Ground Water Analytical Results for Screening

Jimmy's Dry Cleaners
Roosevelt, NY

			Sample Location	MW-2	MW-2	MW-2	MW-2	MW-2
			Sample Depth (ft bgs)	120	130	140	150	160
			Sample Date	5/22/07	5/21/07	5/21/07	5/21/07	5/21/07
Chemical Name	CAS	Max. Allowable Concentration[1]						
Volatile Organic Compounds[2] (µg/L)								
Benzene	71-43-2	1		ND	ND	ND	ND	ND
Chloroform	67-66-3	7		ND	ND	ND	ND	ND
Chloromethane	74-87-3	5		ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	5		1 J	1 J	ND	ND	ND
1,1-Dichloroethane	75-34-3	5		ND	ND	ND	ND	ND
Ethylbenzene	100-41-4	5		ND	ND	ND	ND	ND
Isopropylbenzene	98-82-8	5		ND	ND	ND	ND	ND
4-Isopropyltoluene	99-87-6	5		ND	ND	ND	ND	ND
Methyl tert-butyl ether	1634-04-4	10[3]		48	41	61	98	52
Methylene Chloride	75-09-2	5		ND	ND	ND	ND	ND
n-Butylbenzene	104-51-8	5		ND	ND	ND	ND	ND
n-Propylbenzene	103-65-1	5		ND	ND	ND	ND	ND
Naphthalene	91-20-3	10		ND	1 J	ND	ND	ND
sec-Butylbenzene	135-98-8	5		ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6	5, 10[4]		ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	5		ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	95-63-6	5		ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	108-67-8	5		ND	ND	ND	ND	ND
Toluene	108-88-3	5		ND	ND	ND	ND	ND
Tetrachloroethene	127-18-4	5		30	10	10	4 J	ND
Trichloroethene	79-01-6	5		1 J	ND	ND	ND	ND
m,p-Xylene		5[5]		ND	ND	ND	ND	ND
o-Xylene	95-47-6	5		ND	ND	ND	ND	ND
Xylene (Total)	1330-20-7	5[5]		ND	ND	ND	ND	ND

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Table 5

Summary of MW-1, 2, and 3 Ground Water Analytical Results for Screening

Jimmy's Dry Cleaners
Roosevelt, NY

		Sample Location	MW-2	MW-2	MW-2	MW-2	MW-3
		Sample Depth (ft bgs)	170	180	190	200	20
		Sample Date	5/21/07	5/21/07	5/21/07	5/21/07	5/30/07
Chemical Name	CAS	Max. Allowable Concentration[1]					
Volatile Organic Compounds[2] (µg/L)							
Benzene	71-43-2	1	ND	ND	ND	ND	ND
Chloroform	67-66-3	7	ND	ND	ND	ND	ND
Chloromethane	74-87-3	5	ND	ND	ND	ND	4 J
cis-1,2-Dichloroethene	156-59-2	5	ND	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	5	ND	ND	ND	ND	ND
Ethylbenzene	100-41-4	5	ND	ND	ND	ND	ND
Isopropylbenzene	98-82-8	5	ND	ND	ND	ND	ND
4-Isopropyltoluene	99-87-6	5	ND	ND	ND	ND	ND
Methyl tert-butyl ether	1634-04-4	10[3]	36	26	13	1 J	ND
Methylene Chloride	75-09-2	5	ND	ND	ND	ND	ND
n-Butylbenzene	104-51-8	5	ND	ND	ND	ND	ND
n-Propylbenzene	103-65-1	5	ND	ND	ND	ND	ND
Naphthalene	91-20-3	10	ND	ND	ND	ND	ND
sec-Butylbenzene	135-98-8	5	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6	5, 10[4]	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	5	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	95-63-6	5	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	108-67-8	5	ND	ND	ND	ND	ND
Toluene	108-88-3	5	ND	ND	1 J	1 J	ND
Tetrachloroethene	127-18-4	5	4 J	2 J	2 J	ND	2 J
Trichloroethene	79-01-6	5	ND	ND	ND	ND	ND
m,p-Xylene		5[5]	ND	ND	ND	ND	ND
o-Xylene	95-47-6	5	ND	ND	ND	ND	ND
Xylene (Total)	1330-20-7	5[5]	ND	ND	ND	ND	ND

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Table 5

Summary of MW-1, 2, and 3 Ground Water Analytical Results for Screening

Jimmy's Dry Cleaners
Roosevelt, NY

		Sample Location	MW-3	MW-3	MW-3	MW-3	X-2 (MW-3)
		Sample Depth (ft bgs)	30	40	50	60	60
		Sample Date	5/30/07	5/30/07	5/30/07	5/30/07	5/30/07
Chemical Name	CAS	Max. Allowable Concentration[1]					
Volatile Organic Compounds[2] (µg/L)							
Benzene	71-43-2	1	ND	ND	ND	ND	ND
Chloroform	67-66-3	7	ND	ND	ND	ND	ND
Chloromethane	74-87-3	5	3 J	ND	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	5	ND	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	5	ND	ND	ND	ND	ND
Ethylbenzene	100-41-4	5	ND	ND	ND	ND	ND
Isopropylbenzene	98-82-8	5	ND	ND	ND	ND	ND
4-Isopropyltoluene	99-87-6	5	ND	ND	ND	ND	ND
Methyl tert-butyl ether	1634-04-4	10[3]	ND	ND	ND	ND	ND
Methylene Chloride	75-09-2	5	ND	ND	ND	ND	ND
n-Butylbenzene	104-51-8	5	ND	ND	ND	ND	ND
n-Propylbenzene	103-65-1	5	ND	ND	ND	ND	ND
Naphthalene	91-20-3	10	ND	ND	ND	ND	ND
sec-Butylbenzene	135-98-8	5	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6	5, 10[4]	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	5	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	95-63-6	5	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	108-67-8	5	ND	ND	ND	ND	ND
Toluene	108-88-3	5	ND	ND	ND	ND	ND
Tetrachloroethene	127-18-4	5	2 J	2 J	ND	ND	1 J
Trichloroethene	79-01-6	5	ND	ND	ND	ND	ND
m,p-Xylene		5[5]	ND	ND	ND	ND	ND
o-Xylene	95-47-6	5	ND	ND	ND	ND	ND
Xylene (Total)	1330-20-7	5[5]	ND	ND	ND	ND	ND

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Table 5

Summary of MW-1, 2, and 3 Ground Water Analytical Results for Screening

Jimmy's Dry Cleaners
Roosevelt, NY

		Sample Location	MW-3	MW-3	MW-3	MW-3	MW-3
		Sample Depth (ft bgs)	70	80	90	100	110
		Sample Date	5/30/07	5/29/07	5/29/07	5/29/07	5/29/07
Chemical Name	CAS	Max. Allowable Concentration[1]					
Volatile Organic Compounds[2] (µg/L)							
Benzene	71-43-2	1	ND	ND	ND	ND	ND
Chloroform	67-66-3	7	ND	ND	ND	ND	ND
Chloromethane	74-87-3	5	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	5	ND	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	5	ND	ND	ND	ND	ND
Ethylbenzene	100-41-4	5	ND	ND	ND	ND	ND
Isopropylbenzene	98-82-8	5	ND	ND	ND	ND	ND
4-Isopropyltoluene	99-87-6	5	ND	ND	ND	ND	ND
Methyl tert-butyl ether	1634-04-4	10[3]	ND	ND	1 J	1 J	1 J
Methylene Chloride	75-09-2	5	ND	ND	ND	ND	ND
n-Butylbenzene	104-51-8	5	ND	ND	ND	ND	ND
n-Propylbenzene	103-65-1	5	ND	ND	ND	ND	ND
Naphthalene	91-20-3	10	ND	ND	ND	ND	ND
sec-Butylbenzene	135-98-8	5	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6	5, 10[4]	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	5	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	95-63-6	5	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	108-67-8	5	ND	ND	ND	ND	ND
Toluene	108-88-3	5	ND	ND	ND	ND	ND
Tetrachloroethene	127-18-4	5	1 J	ND	3 J	3 J	2 J
Trichloroethene	79-01-6	5	ND	ND	ND	ND	ND
m,p-Xylene		5[5]	ND	ND	ND	ND	ND
o-Xylene	95-47-6	5	ND	ND	ND	ND	ND
Xylene (Total)	1330-20-7	5[5]	ND	ND	ND	ND	ND

O'BRIEN & GERE

Table 5

Summary of MW-1, 2, and 3 Ground Water Analytical Results for Screening

Jimmy's Dry Cleaners
Roosevelt, NY

		Sample Location	MW-3	MW-3	MW-3	MW-3
		Sample Depth (ft bgs)	120	130	140	150
		Sample Date	5/29/07	5/29/07	5/29/07	5/29/07
Chemical Name	CAS	Max. Allowable Concentration[1]				
Volatile Organic Compounds[2] (µg/L)						
Benzene	71-43-2	1	ND	ND	ND	ND
Chloroform	67-66-3	7	ND	ND	ND	ND
Chloromethane	74-87-3	5	ND	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	5	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	5	ND	ND	ND	ND
Ethylbenzene	100-41-4	5	ND	ND	ND	ND
Isopropylbenzene	98-82-8	5	ND	ND	ND	ND
4-Isopropyltoluene	99-87-6	5	ND	ND	ND	ND
Methyl tert-butyl ether	1634-04-4	10[3]	1 J	ND	1 J	1 J
Methylene Chloride	75-09-2	5	ND	ND	ND	ND
n-Butylbenzene	104-51-8	5	ND	ND	ND	ND
n-Propylbenzene	103-65-1	5	ND	ND	ND	ND
Naphthalene	91-20-3	10	1 JB	2 JB	2 JB	2 JB
sec-Butylbenzene	135-98-8	5	ND	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6	5, 10[4]	ND	ND	1 JB	1 JB
1,2,4-Trichlorobenzene	120-82-1	5	ND	ND	ND	ND
1,2,4-Trimethylbenzene	95-63-6	5	ND	ND	ND	ND
1,3,5-Trimethylbenzene	108-67-8	5	ND	ND	ND	ND
Toluene	108-88-3	5	ND	ND	ND	ND
Tetrachloroethene	127-18-4	5	2 J	ND	ND	ND
Trichloroethene	79-01-6	5	ND	ND	ND	ND
m,p-Xylene		5[5]	ND	ND	ND	ND
o-Xylene	95-47-6	5	ND	ND	ND	ND
Xylene (Total)	1330-20-7	5[5]	ND	ND	ND	ND

O'BRIEN & GERE

Table 5

Summary of MW-1, 2, and 3 Ground Water Analytical Results for Screening

Jimmy's Dry Cleaners
Roosevelt, NY

Notes

bgs - Below ground surface
ND - Not detected
J - Estimated value
B - Analyte detected in the associated Method Blank
(1) Standards or guidance values from Table 1 of NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations*, June 1998.
(2) The analytical results for these compounds were for screening purposes and were not validated.
(3) TOGS 1.1.1 April 2000 Addendum.
(4) The TOGS value for m,p-xylene or total xylene is assumed to be equal to the TOGS value for o-xylene, m-xylene, or p-xylene.
(5) Expressed as hydrogen sulfide.

O'BRIEN & GERE

Table 6

Summary of MW-1, 2, 3, ITMW-2, and CMT-5 Ground Water Analytical Results

Jimmy's Dry Cleaners
Roosevelt, NY

		Sample Location	MW-1S	MW-1I	MW-1D	MW-2S
		Screen Interval (ft bgs)	20-30	80-90	110-120	15-25
		Sample Date	7/10/07	7/9/07	7/9/07	7/19/07
Chemical Name	CAS	Max. Allowable Concentration[1]				
Volatile Organic Compounds[2] (µg/L)						
Benzene	71-43-2	1	ND	ND	ND	ND
Chloroform	67-66-3	7	ND	ND	ND	ND
Chloromethane	74-87-3	5	ND	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	5	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	5	3 J	ND	2 J	ND
Ethylbenzene	100-41-4	5	ND	ND	6	ND
Isopropylbenzene	98-82-8	5	ND	ND	2 J	ND
4-Isopropyltoluene	99-87-6	5	ND	ND	ND	ND
Methyl tert-butyl ether	1634-04-4	10[3]	ND	ND	ND	9
Methylene Chloride	75-09-2	5	ND	ND	ND	ND
n-Butylbenzene	104-51-8	5	ND	2 J	ND	ND
n-Propylbenzene	103-65-1	5	ND	ND	2 J	ND
Naphthalene	91-20-3	10	ND	ND	15	ND
sec-Butylbenzene	135-98-8	5	ND	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6	5, 10[4]	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	5	ND	ND	ND	ND
1,2,4-Trimethylbenzene	95-63-6	5	ND	ND	18	ND
1,3,5-Trimethylbenzene	108-67-8	5	ND	ND	5	ND
Toluene	108-88-3	5	ND	ND	ND	ND
Tetrachloroethene	127-18-4	5	ND	ND	ND	10
Trichloroethylene	79-01-6	5	ND	2 J	ND	ND
m,p-Xylene		5[5]	ND	ND	12	ND
o-Xylene	95-47-6	5	ND	ND	ND	ND
Xylene (Total)	1330-20-7	5[5]	ND	ND	12	ND

O'BRIEN & GERE

Table 6

Summary of MW-1, 2, 3, ITMW-2, and CMT-5 Ground Water Analytical Results

Jimmy's Dry Cleaners
Roosevelt, NY

		Sample Location	MW-2I	MW-2D	MW-3S	MW-3I
		Screen Interval (ft bgs)	80-90	110-120	25-35	90-100
		Sample Date	7/12/07	7/12/07	7/11/07	7/11/07
Chemical Name	CAS	Max. Allowable Concentration[1]				
Volatile Organic Compounds[2] (µg/L)						
Benzene	71-43-2	1	ND	ND	ND	ND
Chloroform	67-66-3	7	ND	ND	ND	ND
Chloromethane	74-87-3	5	ND	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	5	ND	5	ND	ND
1,1-Dichloroethane	75-34-3	5	ND	ND	ND	ND
Ethylbenzene	100-41-4	5	ND	ND	ND	ND
Isopropylbenzene	98-82-8	5	ND	ND	ND	ND
4-Isopropyltoluene	99-87-6	5	ND	ND	ND	ND
Methyl tert-butyl ether	1634-04-4	10[3]	ND	18	ND	1 J
Methylene Chloride	75-09-2	5	ND	ND	ND	ND
n-Butylbenzene	104-51-8	5	ND	ND	ND	ND
n-Propylbenzene	103-65-1	5	ND	ND	ND	ND
Naphthalene	91-20-3	10	ND	ND	ND	ND
sec-Butylbenzene	135-98-8	5	ND	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6	5, 10[4]	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	5	ND	ND	ND	ND
1,2,4-Trimethylbenzene	95-63-6	5	ND	ND	ND	ND
1,3,5-Trimethylbenzene	108-67-8	5	ND	ND	ND	ND
Toluene	108-88-3	5	ND	ND	ND	ND
Tetrachloroethene	127-18-4	5	18	120	ND	5
Trichloroethylene	79-01-6	5	ND	5	ND	ND
m,p-Xylene		5[5]	ND	ND	ND	ND
o-Xylene	95-47-6	5	ND	ND	ND	ND
Xylene (Total)	1330-20-7	5[5]	ND	ND	ND	ND

O'BRIEN & GERE

Table 6

Summary of MW-1, 2, 3, ITMW-2, and CMT-5 Ground Water Analytical Results

Jimmy's Dry Cleaners
Roosevelt, NY

		Sample Location	MW-3D	ITMW-2S	X-1 (ITMW-2S)	ITMW-2D
		Screen Interval (ft bgs)	110-120	40.5'-50.5'	40.5'-50.5'	91.5'-101.5'
		Sample Date	7/10/07	7/10/07	7/10/07	7/10/07
Chemical Name	CAS	Max. Allowable Concentration[1]				
Volatile Organic Compounds[2] (µg/L)						
Benzene	71-43-2	1	ND	ND	ND	ND
Chloroform	67-66-3	7	ND	2 J	2 J	ND
Chloromethane	74-87-3	5	ND	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	5	ND	ND	ND	23
1,1-Dichloroethane	75-34-3	5	ND	ND	ND	3 J
Ethylbenzene	100-41-4	5	ND	ND	ND	ND
Isopropylbenzene	98-82-8	5	ND	ND	ND	ND
4-Isopropyltoluene	99-87-6	5	ND	ND	ND	ND
Methyl tert-butyl ether	1634-04-4	10[3]	2 J	ND	ND	2 J
Methylene Chloride	75-09-2	5	ND	ND	ND	ND
n-Butylbenzene	104-51-8	5	ND	ND	ND	ND
n-Propylbenzene	103-65-1	5	ND	ND	ND	ND
Naphthalene	91-20-3	10	ND	ND	ND	ND
sec-Butylbenzene	135-98-8	5	ND	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6	5, 10[4]	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	5	ND	ND	ND	ND
1,2,4-Trimethylbenzene	95-63-6	5	ND	ND	ND	ND
1,3,5-Trimethylbenzene	108-67-8	5	ND	ND	ND	ND
Toluene	108-88-3	5	ND	ND	ND	ND
Tetrachloroethene	127-18-4	5	ND	4 J	3 J	2,000 D
Trichloroethylene	79-01-6	5	ND	ND	ND	14
m,p-Xylene		5[5]	ND	ND	ND	ND
o-Xylene	95-47-6	5	ND	ND	ND	ND
Xylene (Total)	1330-20-7	5[5]	ND	ND	ND	ND

O'BRIEN & GERE

Table 6

Summary of MW-1, 2, 3, ITMW-2, and CMT-5 Ground Water Analytical Results

Jimmy's Dry Cleaners
Roosevelt, NY

		Sample Location Screen Interval (ft bgs) Sample Date	CMT-5(1) 27.75'-28.25' 7/9/07	CMT-5(2) 52.75'-53.25' 7/9/07	CMT-5(3) 82.75'-83.25' 7/9/07
Chemical Name	CAS	Max. Allowable Concentration[1]			
Volatile Organic Compounds[2] (µg/L)					
Benzene	71-43-2	1	ND	ND	ND
Chloroform	67-66-3	7	ND	ND	ND
Chloromethane	74-87-3	5	ND	ND	ND
cis-1,2-Dichloroethene	156-59-2	5	ND	3 J	ND
1,1-Dichloroethane	75-34-3	5	ND	ND	ND
Ethylbenzene	100-41-4	5	ND	ND	ND
Isopropylbenzene	98-82-8	5	ND	ND	ND
4-Isopropyltoluene	99-87-6	5	ND	ND	ND
Methyl tert-butyl ether	1634-04-4	10[3]	ND	ND	ND
Methylene Chloride	75-09-2	5	ND	ND	ND
n-Butylbenzene	104-51-8	5	ND	ND	ND
n-Propylbenzene	103-65-1	5	ND	ND	ND
Naphthalene	91-20-3	10	ND	ND	ND
sec-Butylbenzene	135-98-8	5	ND	ND	ND
1,2,3-Trichlorobenzene	87-61-6	5, 10[4]	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	5	ND	ND	ND
1,2,4-Trimethylbenzene	95-63-6	5	ND	ND	ND
1,3,5-Trimethylbenzene	108-67-8	5	ND	ND	ND
Toluene	108-88-3	5	ND	ND	ND
Tetrachloroethene	127-18-4	5	ND	170	46
Trichloroethylene	79-01-6	5	ND	3 J	ND
m,p-Xylene		5[5]	ND	ND	ND
o-Xylene	95-47-6	5	ND	ND	ND
Xylene (Total)	1330-20-7	5[5]	ND	ND	ND

O'BRIEN & GERE

Table 6

Summary of MW-1, 2, 3, ITMW-2, and CMT-5 Ground Water Analytical Results

Jimmy's Dry Cleaners
Roosevelt, NY

Notes

bgs - Below ground surface
ND - Not detected
J - Estimated value
B - Analyte detected in the associated Method Blank
D - Analyte concentration obtained from a diluted analysis
(1) Standards or guidance values from Table 1 of NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations*, June 1998.
(2) The analytical results for these compounds were validated.
(3) TOGS 1.1.1 April 2000 Addendum.
(4) The TOGS value for m,p-xylene or total xylene is assumed to be equal to the TOGS value for o-xylene, m-xylene, or p-xylene.
(5) Expressed as hydrogen sulfide.

O'BRIEN & GERE

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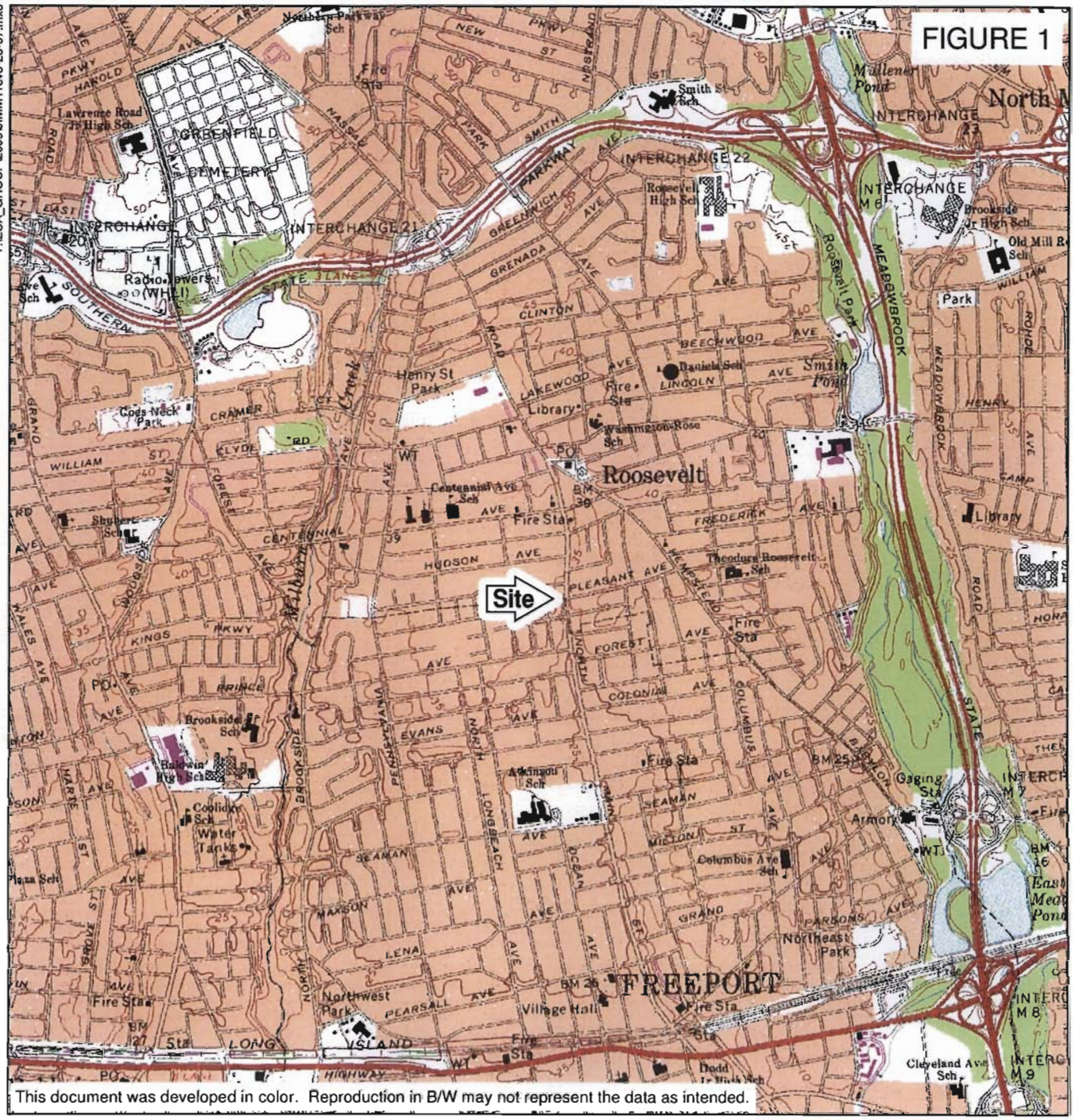

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PLOT DATE: 8/23/07 DIV 71 LSR

ADAPTED FROM: FREEPORT, NEW YORK USGS QUADRANGLE

QUADRANGLE LOCATION

JIMMY'S DRY CLEANERS
ROOSEVELT, NY
NYSDEC SITE #1-30-080

SITE LOCATION

0 1,000 2,000 4,000 6,000 8,000

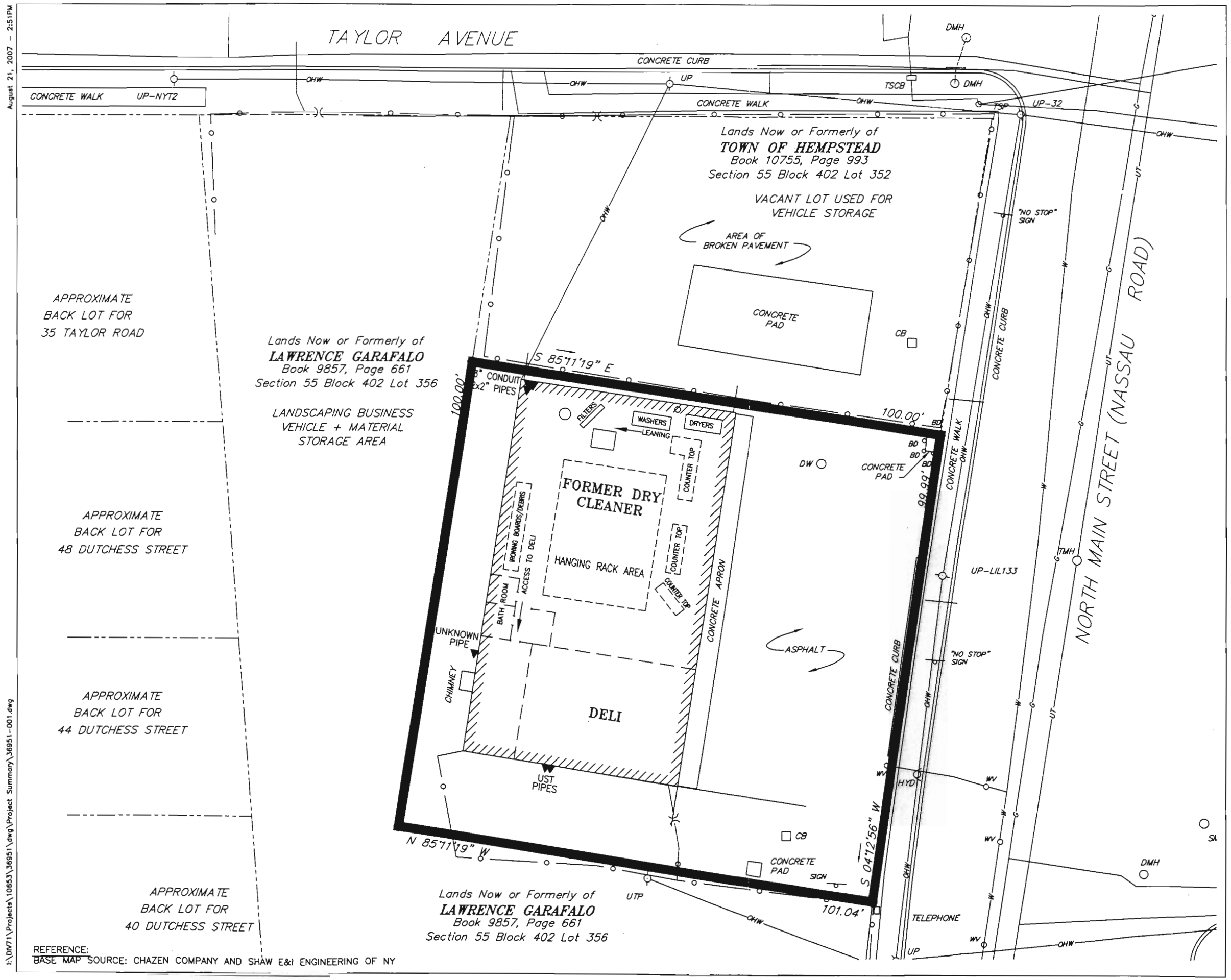
Feet

FILE NO. 10653/36951
AUGUST 2007

1:24,000

O'BRIEN & GERE

FIGURE 2



LEGEND:

- APPROXIMATE PROPERTY LINE
- ADJACENT PROPERTY LINE
- EXISTING FENCE
- HYD EXISTING HYDRANT
- CB EXISTING CATCH BASIN
- SMH EXISTING SANITARY SEWER MANHOLE
- DMH EXISTING STORM SEWER MANHOLE
- UP EXISTING UTILITY POLE
- TMH EXISTING TELEPHONE MANHOLE
- DW EXISTING DRY WELL
- SITE PERIMETER

JIMMY'S DRY CLEANERS
ROOSEVELT, NEW YORK
NYSDEC SITE #1-30-080

SITE MAP

1"=20' 20 0 20

FILE NO. 10653.36951.001
AUGUST 2007

REFERENCE:
BASE MAP SOURCE: CHAZEN COMPANY AND SHAW E&I ENGINEERING OF NY

O'BRIEN & GERE ENGINEERS INC.

August 21, 2007 - 2:51PM

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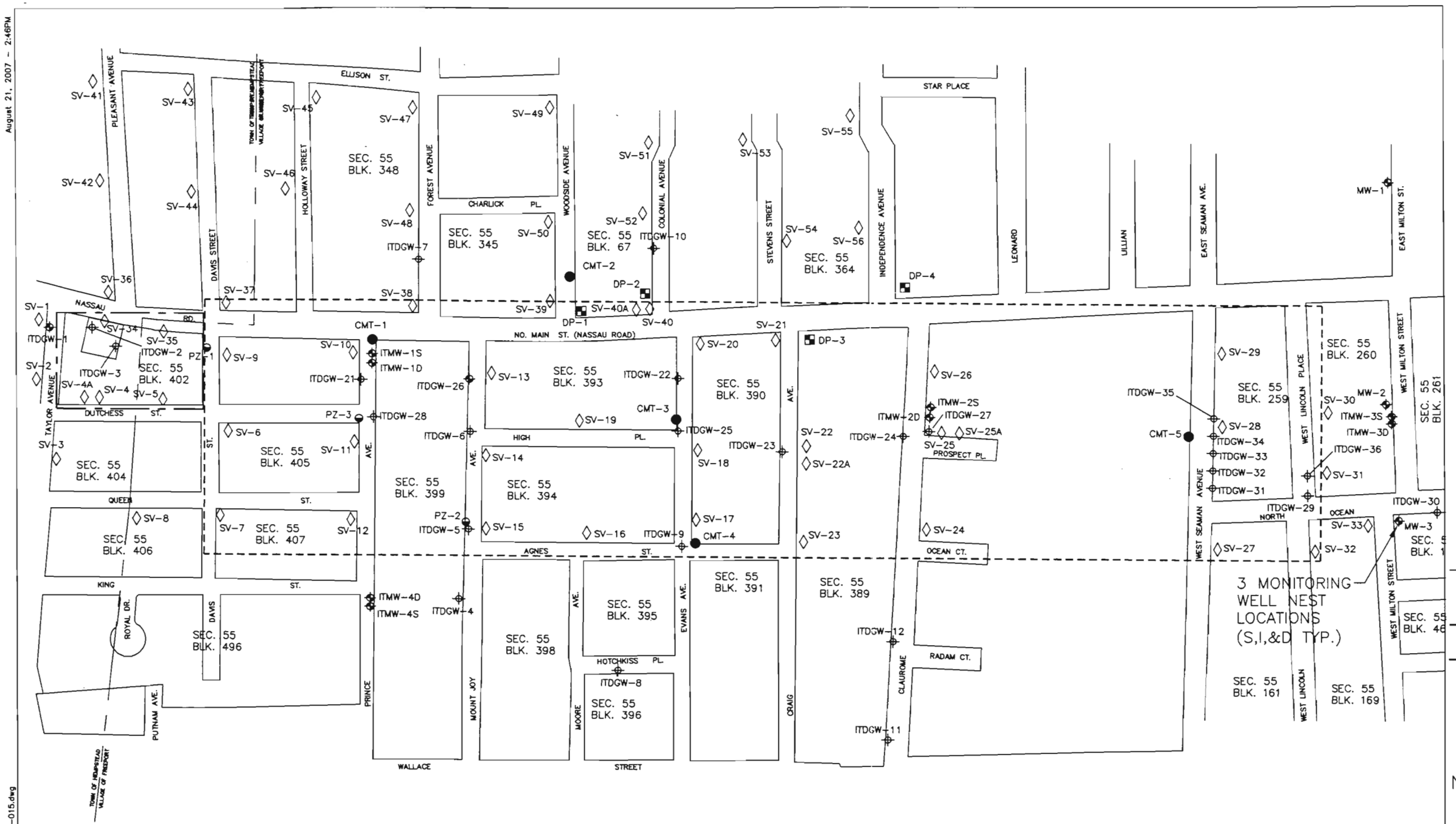
August 21, 2007 - 2:46PM

FIGURE 3



LEGEND:

- MW-3 ◆ — MONITORING WELL
- DP-4 ■ — DIRECT PUSH GROUNDWATER SAMPLING LOCATION
- CMT-5 ● — CMT MONITORING WELL
- SV-30 ◇ — SOIL VAPOR PROBE
- ITDGW-11 ⊕ — FORMER GROUNDWATER SAMPLING LOCATION (GENERALLY NOT EXISTING)
- PZ-3 ◒ — EXISTING PIEZOMETER
- ITMW-3 ◆ — EXISTING MONITORING WELL
- TAX MAP PROPERTY LINES
- OU1 BOUNDARY
- OU2 BOUNDARY

NOTES:

1. ONLY FORMER GROUNDWATER SAMPLE LOCATIONS ITDGW-1 AND ITDGW-26, PIEZOMETERS PZ-1 THRU 3, AND MONITORING WELLS ITMW-1S, 1D, 2S, 2D, 3S, 3D, 4S, AND 4D ARE STILL PRESENT.

REFERENCE:

BASE MAP SOURCE: CHAZEN ENGINEERING & LAND SURVEYING CO., P.C. AND SHAW E&I ENGINEERING OF NY

JIMMY'S DRY CLEANERS
ROOSEVELT, NEW YORK
NYSDEC SITE #1-30-080

MONITORING WELLS AND SAMPLE LOCATIONS

0 300 600
SCALE IN FEET

FILE NO. 10653.36951.015
AUGUST 2007

O'BRIEN & GERE ENGINEERS INC.

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FIGURE 4

PZ-1	PCE (µg/L)
ScV	5
19.55'	2,200 D

CMT-1	PCE (µg/L)
ScV	5
58.5'-59'	190 J
98.5'-99'	10

ITMW-2S	PCE (µg/L)
ScV	5
40.5'-50.5'	25

ITMW-2D	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)
ScV	5	5	5
91.5'-101.5'	1,000 D	11	19

ITMW-3D	PCE (µg/L)
ScV	5
80'-90'	8

ITDGW-1	PCE (µg/L)
ScV	5
24.8'	8 B

ITMW-1S	PCE (µg/L)	cis-1,2-DCE (µg/L)
ScV	5	5
55.5'-65.5'	2,200 D	20

CMT-3	PCE (µg/L)
ScV	5
39.5'-40'	8
64.5'-65'	14

CMT-5	PCE (µg/L)	cis-1,2-DCE (µg/L)
ScV	5	5
52.75'-53.25'	110	6
82.75'-83.25'	320 D	8

ITMW-1D	PCE (µg/L)
ScV	5
95.5'-105.5'	240 D

PLEASANT AVENUE · ELLISON ST. · STAR PLACE · DAVIS STREET · HOLLOWAY STREET · FOREST AVENUE · WOODSIDE AVENUE · COLONIAL AVENUE · INDEPENDENCE AVENUE · LEONARD · LILLIAN · EAST SEAMAN AVE. · EAST MILTON ST. · WEST MILTON STREET · NASSAU RD · NO. MAIN · HIGH PL · PROSPECT PL · TAYLOR AVENUE · WEST SEAMAN AVENUE · WEST LINCOLN PLACE · OCEAN AVE. · NORTH · KING · ROYAL DR. · PUTNAM AVE. · PRINCE · MOUNT JOY · MOORE · EVANS AVE. · CRAIG · CLAUROME · RADAM CT. · HOTCHKISS PL · WALLACE · STREET · TOWN OF HEMPSTEAD / VILLAGE OF FREEPORT

SEC. 55 BLK. 348 · SEC. 55 BLK. 402 · SEC. 55 BLK. 404 · SEC. 55 BLK. 405 · SEC. 55 BLK. 399 · SEC. 55 BLK. 393 · SEC. 55 BLK. 390 · SEC. 55 BLK. 391 · SEC. 55 BLK. 389 · SEC. 55 BLK. 259 · SEC. 55 BLK. 260 · SEC. 55 BLK. 261 · SEC. 55 BLK. 161 · SEC. 55 BLK. 169 · SEC. 55 BLK. 496 · SEC. 55 BLK. 398 · SEC. 55 BLK. 395 · SEC. 55 BLK. 396

SV-1 · SV-2 · SV-3 · SV-34 · SV-35 · SV-36 · SV-37 · SV-38 · SV-39 · SV-41 · SV-43 · SV-45 · SV-46 · SV-47 · SV-49 · SV-50 · SV-51 · SV-52 · SV-53 · SV-55 · SV-6 · SV-9 · SV-13 · SV-14 · SV-17 · SV-18 · SV-19 · SV-22 · SV-22A · SV-23 · SV-25 · SV-25A · SV-26 · SV-27 · SV-28 · SV-30 · SV-31 · SV-32 · SV-33

CMT-1 · CMT-2 · CMT-3 · CMT-4 · CMT-5

ITMW-1S · ITMW-1D · ITMW-2S · ITMW-2D · ITMW-3S · ITMW-3D · ITMW-4S · ITMW-4D

ITDGW-1 · ITDGW-2 · ITDGW-3 · ITDGW-4 · ITDGW-5 · ITDGW-6 · ITDGW-8 · ITDGW-9 · ITDGW-10 · ITDGW-11 · ITDGW-12 · ITDGW-22 · ITDGW-23 · ITDGW-24 · ITDGW-25 · ITDGW-26 · ITDGW-27 · ITDGW-29 · ITDGW-30 · ITDGW-31 · ITDGW-32 · ITDGW-33 · ITDGW-34 · ITDGW-35 · ITDGW-36

PZ-1 · PZ-2 · MW-1 · MW-2 · MW-3 · DP-4

LEGEND:

- MW-3 ⊕ — MONITORING WELL
- DP-4 ▪ — DIRECT PUSH GROUNDWATER SAMPLING LOCATION
- CMT-5 ● — CMT MONITORING WELL
- SV-30 ◇ — SOIL VAPOR PROBE
- ITDGW-11 ⊕ — FORMER GROUNDWATER SAMPLING LOCATION (GENERALLY NOT EXISTING)
- PZ-3 ◒ — EXISTING PIEZOMETER
- ITMW-3 ⊕ — EXISTING MONITORING WELL
- TAX MAP PROPERTY LINES
- OU1 BOUNDARY
- OU2 BOUNDARY

3 MONITORING WELL NEST LOCATIONS (S,I,&D TYP.)

NOTES:

1. ONLY FORMER GROUNDWATER SAMPLE LOCATIONS ITDGW-1 AND ITDGW-26, PIEZOMETERS PZ-1 THRU 3, AND MONITORING WELLS ITMW-1S, 1D, 2S, 2D, 3S, 3D, 4S, AND 4D ARE STILL PRESENT.
2. ScV = SCREENING VALUE
   J = ANALYTE DETECTED BELOW REPORTING LIMIT
   D = ANALYTE CONCENTRATION OBTAINED FROM A DILUTED ANALYSIS
   B = ORGANIC ANALYTE DETECTED IN THE ASSOCIATED METHOD BLANK

REFERENCE:

BASE MAP SOURCE: CHAZEN ENGINEERING & LAND SURVEYING CO., P.C. AND SHAW E&I ENGINEERING OF NY

JIMMY'S DRY CLEANERS
ROOSEVELT, NEW YORK
NYSDEC SITE #1-30-080

CMT AND MONITORING WELLS GROUND WATER ANALYTICAL RESULTS ABOVE SCREENING VALUES – JUNE 2006

0 300 600
SCALE IN FEET

FILE NO. 10653.36951.016
AUGUST 2007

O'BRIEN & GERE ENGINEERS INC.

August 21, 2007 - 2:49PM

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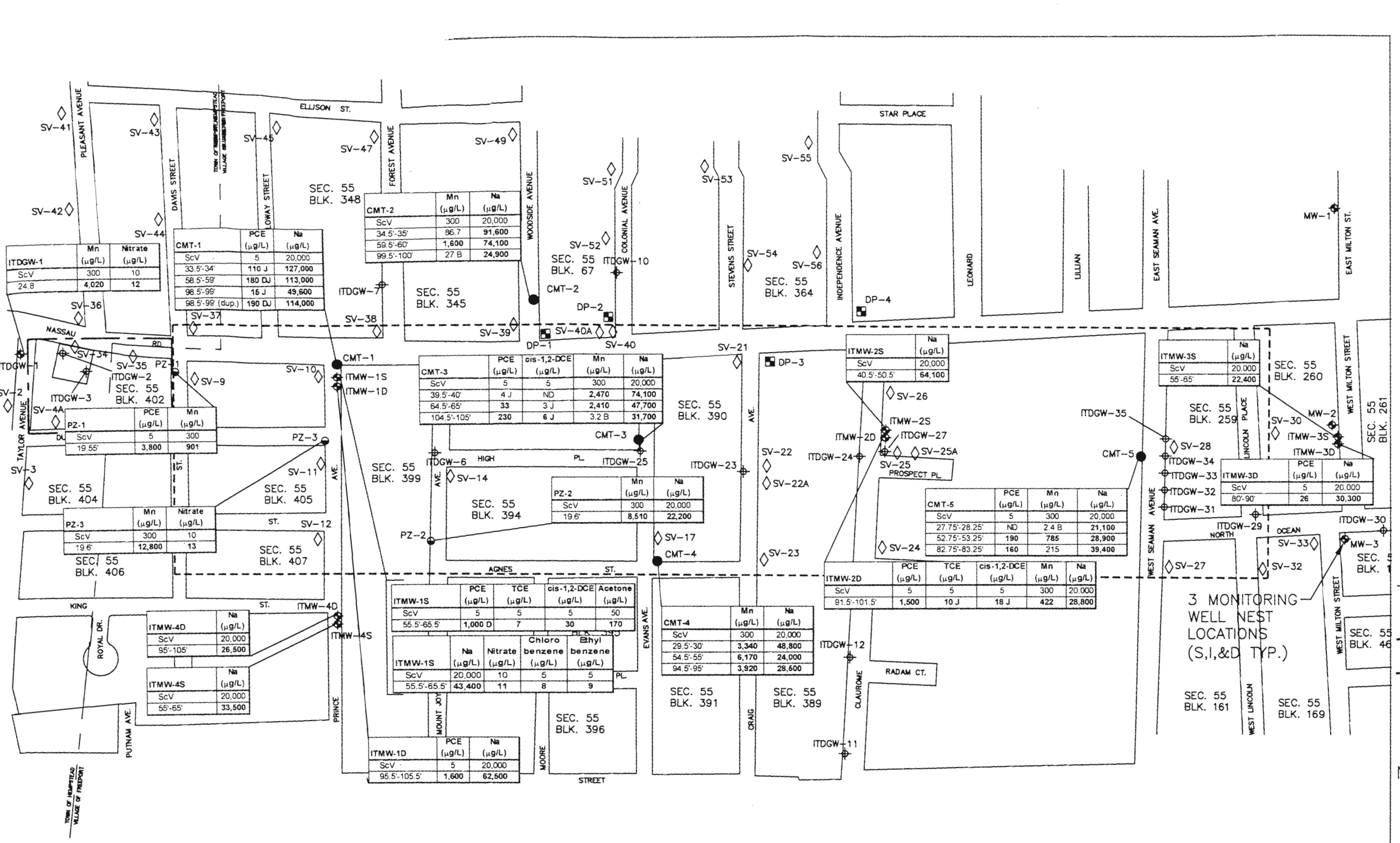
FIGURE 5



ITDGW-1	Mn (µg/L)	Nitrate (µg/L)
ScV	300	10
24.8	4,020	12

CMT-1	PCE (µg/L)	Na (µg/L)
ScV	5	20,000
33.5'-34'	110 J	127,000
58.5'-59'	180 DJ	113,000
98.5'-99'	15 J	49,600
98.5'-99' (dup.)	190 DJ	114,000

CMT-2	Mn (µg/L)	Na (µg/L)
ScV	300	20,000
34.5'-35'	86.7	91,600
59.5'-60'	1,600	74,100
99.5'-100'	27 B	24,900

CMT-3	PCE (µg/L)	cis-1,2-DCE (µg/L)	Mn (µg/L)	Na (µg/L)
ScV	5	5	300	20,000
39.5'-40'	4 J	ND	2,470	74,100
64.5'-65'	33	3 J	2,410	47,700
104.5'-105'	230	6 J	3.2 B	31,700

CMT-4	Mn (µg/L)	Na (µg/L)
ScV	300	20,000
29.5'-30'	3,340	48,800
54.5'-55'	6,170	24,000
94.5'-95'	3,920	28,600

CMT-5	PCE (µg/L)	Mn (µg/L)	Na (µg/L)
ScV	5	300	20,000
27.75'-28.25'	ND	2.4 B	21,100
52.75'-53.25'	190	785	28,900
82.75'-83.25'	160	215	39,400

PZ-1	PCE (µg/L)	Mn (µg/L)
ScV	5	300
19.55'	3,800	901

PZ-2	Mn (µg/L)	Na (µg/L)
ScV	300	20,000
19.6'	8,510	22,200

PZ-3	Mn (µg/L)	Nitrate (µg/L)
ScV	300	10
19.6'	12,800	13

ITMW-1S	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	Acetone (µg/L)
ScV	5	5	5	50
55.5'-65.5'	1,000 D	7	30	170

ITMW-1S	Na (µg/L)	Nitrate (µg/L)	Chloro benzene (µg/L)	Ethyl benzene (µg/L)
ScV	20,000	10	5	5
55.5'-65.5'	43,400	11	8	9

ITMW-1D	PCE (µg/L)	Na (µg/L)
ScV	5	20,000
95.5'-105.5'	1,600	62,500

ITMW-2S	Na (µg/L)
ScV	20,000
40.5'-50.5'	64,100

ITMW-2D	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	Mn (µg/L)	Na (µg/L)
ScV	5	5	5	300	20,000
91.5'-101.5'	1,500	10 J	18 J	422	28,800

ITMW-3S	Na (µg/L)
ScV	20,000
55'-65'	22,400

ITMW-3D	PCE (µg/L)	Na (µg/L)
ScV	5	20,000
80'-90'	26	30,300

ITMW-4D	Na (µg/L)
ScV	20,000
95'-105'	26,500

ITMW-4S	Na (µg/L)
ScV	20,000
55'-65'	33,500

LEGEND:

- MW-3 ⊕ — MONITORING WELL
- DP-4 ■ — DIRECT PUSH GROUNDWATER SAMPLING LOCATION
- CMT-5 ● — CMT MONITORING WELL
- SV-30 ◇ — SOIL VAPOR PROBE
- ITDGW-11 ⊕ — FORMER GROUNDWATER SAMPLING LOCATION (GENERALLY NOT EXISTING)
- PZ-3 ⊕ — EXISTING PIEZOMETER
- ITMW-3 ⊕ — EXISTING MONITORING WELL
- TAX MAP PROPERTY LINES
- OU1 BOUNDARY
- OU2 BOUNDARY

JIMMY'S DRY CLEANERS
ROOSEVELT, NEW YORK
NYSDEC SITE #1-30-080

CMT AND MONITORING WELLS GROUND WATER ANALYTICAL RESULTS ABOVE SCREENING VALUES – FEBRUARY 2007

0 300 600
SCALE IN FEET

FILE NO. 10653.36951.017
AUGUST 2007

O'BRIEN & GERE ENGINEERS INC.

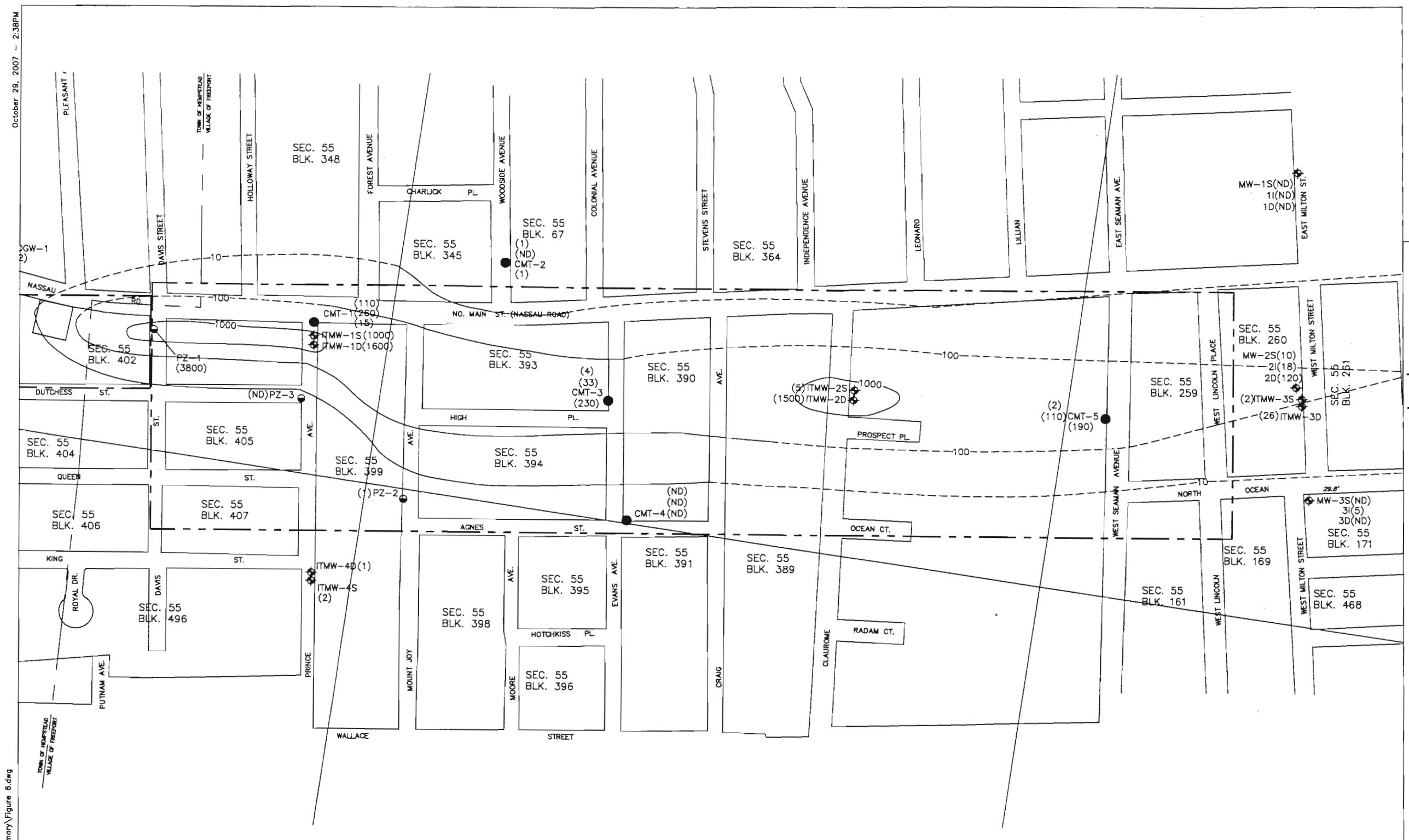
NOTES:

1. ONLY FORMER GROUNDWATER SAMPLE LOCATIONS ITDGW-1 AND ITDGW-26, PIEZOMETERS PZ-1 THRU 3, AND MONITORING WELLS ITMW-1S, 1D, 2S, 2D, 3S, 3D, 4S, AND 4D ARE STILL PRESENT.
2. ScV = SCREENING VALUE
   ND = NOT DETECTED
   J = ANALYTE DETECTED BELOW REPORTING LIMIT
   D = ANALYTE CONCENTRATION OBTAINED FROM A DILUTED ANALYSIS
   B = ORGANIC ANALYTE DETECTED IN THE ASSOCIATED METHOD BLANK

REFERENCE:

BASE MAP SOURCE: CHAZEN ENGINEERING & LAND SURVEYING CO., P.C. AND SHAW E&I ENGINEERING OF NY

FIGURE 6



LEGEND:

- CMT-7 ● PROPOSED CMT MONITORING WELL
- TAX MAP PROPERTY LINES
- PZ-3 ◒ EXISTING PIEZOMETER
- ◈ EXISTING MONITORING WELL
- OU1 BOUNDARY
- OU2 BOUNDARY
- (26) CONCENTRATION OF PCE IN GROUNDWATER (ug/L)
- 10 PCE ISOCONCENTRATION CONTOUR LINE (UG/L) (DASHED WHERE INFERRED)

REFERENCE:

BASE MAP SOURCE: CHAZEN ENGINEERING & LAND SURVEYING CO., P.C. AND SHAW E&I ENGINEERING OF NY

NOTE:

ONLY FORMER GROUNDWATER SAMPLE LOCATIONS ITDGW-1 AND ITDGW-26, PIEZOMETERS PZ-1 THRU 3, AND MONITORING WELLS 1S, 1D, 2S, 2D, 3S, 3D, 4S, AND 4D ARE STILL PRESENT. MW1, MW2, MW3 WELL NESTS SAMPLED IN JUNE 2007.

JIMMY'S DRY CLEANERS
ROOSEVELT, NEW YORK
NYSDEC SITE #1-30-080

PCE CONCENTRATIONS IN GROUND WATER

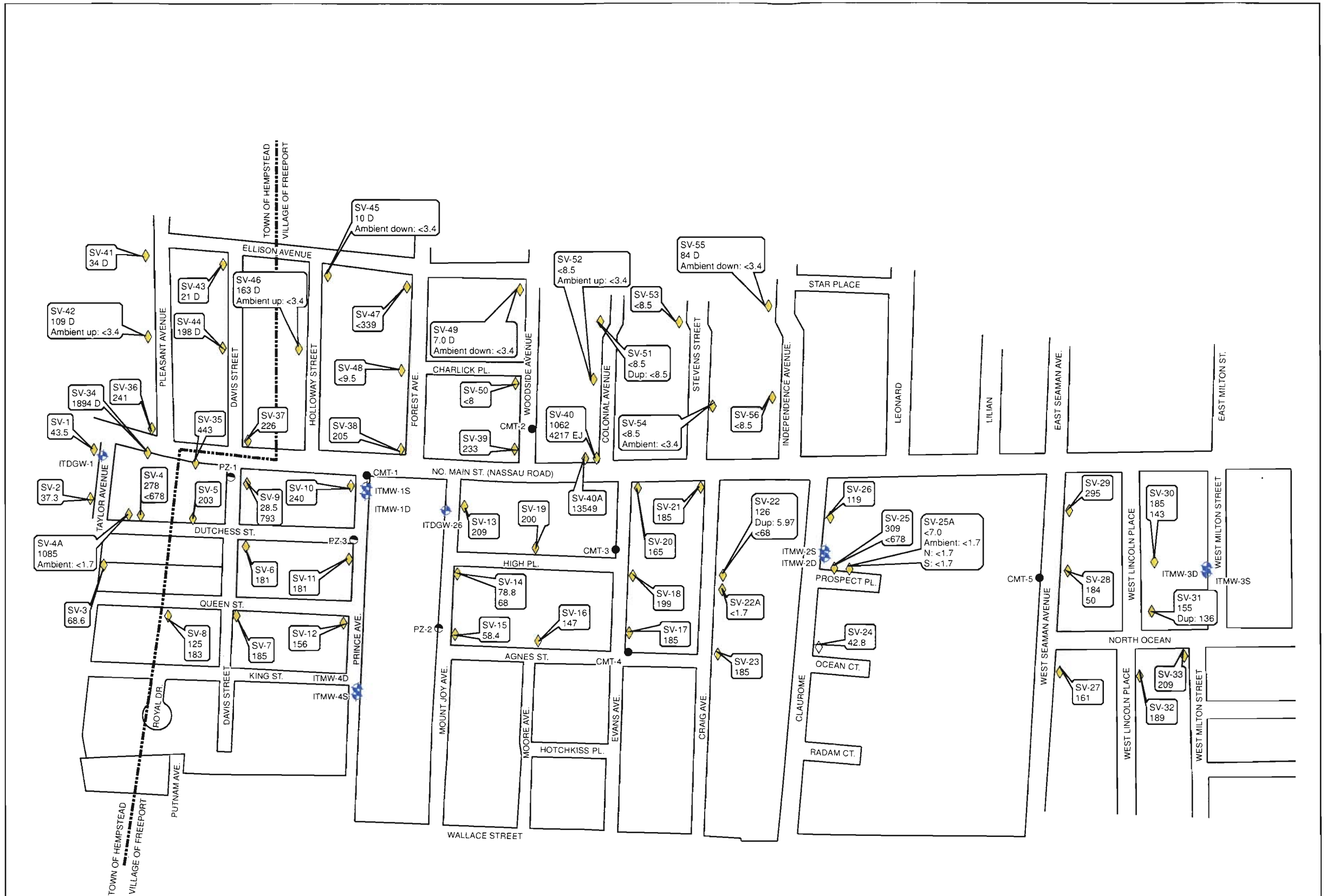
0 300 600
SCALE IN FEET

FILE NO. 10653.36951.004
JUNE 2007

O'BRIEN & GERE ENGINEERS INC.

October 29, 2007 - 2:38PM
I:\DW71\Projects\10653\36951\dwg\Project Summary\Figure 6.dwg

FIGURE 7



Legend

- SV-26 119 — SOIL VAPOR PROBE AND PCE VALUE IN ug/m^3
- EXISTING PIEZOMETER
- EXISTING MONITORING WELL
- EXISTING CMT MONITORING WELL
- TOWN BOUNDARY
- TAX MAP PROPERTY LINES

JIMMY'S DRY CLEANERS
ROOSEVELT, NEW YORK
NYSDEC SITE #1-30-080

SOIL VAPOR RESULTS - TETRACHLOROETHYLENE (PCE)

0 150 300 600
Feet

AUGUST 2007
10653.36951

O'BRIEN & GERE

This document was developed in color. Reproduction in B/W may not represent the data as intended.

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PLOT DATE: 8/23/07 DIV 71 LSR

August 21, 2007 - 2:51PM

FIGURE 8

DP-1	Soil Benzene (µg/kg)	Naphtha-lene (µg/kg)	Toluene (µg/kg)
ScV	60	12,000	700
8'-10'	ND	4 J	1 J
3'-5'	2 J	1 J	5 J

DP-1	GW Acetone (µg/L)	2-Butanone (µg/L)	Toluene (µg/L)	PCE (µg/L)
ScV	50	50	5	5
36'-40'	ND	ND	ND	1 J
56'-60'	ND	ND	ND	2 J
76'-80'	76	20	1J	2 J

DP-2	Soil Acetone (µg/kg)	Benzene (µg/kg)	Toluene (µg/kg)
ScV	50	60	700
8'-10'	ND	2 J	4 J
13'-15'	ND	2 J	5 J
17'-19'	12	ND	3 J

DP-2	GW Chloroform (µg/L)
ScV	7
36'-40'	2 J

DP-4	GW Acetone (µg/L)	Carbon disulfide (µg/L)	Chloro-form (µg/L)	Toluene (µg/L)
ScV	50	60	7	5
16'-20'	ND	ND	1 J	ND
36'-40'	16	1 J	ND	ND
56'-60'	26	ND	ND	ND
76'-80'	20	ND	ND	1 J

DP-3	GW Acetone (µg/L)	2-Butanone (µg/L)	Toluene (µg/L)	PCE (µg/L)	TCE (µg/L)
ScV	50	50	5	5	5
36'-40'	10	ND	ND	**15**	ND
56'-60'	26	ND	ND	**22**	1 J
76'-80'	35	9	3 J	2 J	ND

LEGEND:

- MW-3 ⊕ MONITORING WELL
- DP-4 ■ DIRECT PUSH GROUNDWATER SAMPLING LOCATION
- CMT-5 ● CMT MONITORING WELL
- SV-30 ◇ SOIL VAPOR PROBE
- ITDGW-11 ⊕ FORMER GROUNDWATER SAMPLING LOCATION (GENERALLY NOT EXISTING)
- PZ-3 ◒ EXISTING PIEZOMETER
- ITMW-3 ⊕ EXISTING MONITORING WELL
- TAX MAP PROPERTY LINES
- OU1 BOUNDARY
- OU2 BOUNDARY

3 MONITORING WELL NEST LOCATIONS (S,I,&D TYP.)

NOTES:

1. ONLY FORMER GROUNDWATER SAMPLE LOCATIONS ITDGW-1 AND ITDGW-26, PIEZOMETERS PZ-1 THRU 3, AND MONITORING WELLS ITMW-1S, 1D, 2S, 2D, 3S, 3D, 4S, AND 4D ARE STILL PRESENT.
2. ScV = SCREENING VALUE. FOR THE SOIL DATA, THE MORE RESTRICTIVE ScV FROM TAGM #4046 OR SUBPART 375-6 IS USED IN THIS FIGURE.
   J = ANALYTE DETECTED BELOW REPORTING LIMIT
   D = ANALYTE CONCENTRATION OBTAINED FROM A DILUTED ANALYSIS
   B = ORGANIC ANALYTE DETECTED IN THE ASSOCIATED METHOD BLANK

REFERENCE:

BASE MAP SOURCE: CHAZEN ENGINEERING & LAND SURVEYING CO., P.C. AND SHAW E&I ENGINEERING OF NY

JIMMY'S DRY CLEANERS
ROOSEVELT, NEW YORK
NYSDEC SITE #1-30-080

DIRECT PUSH SAMPLING LOCATIONS AND DETECTED SOIL AND GROUND WATER ANALYTICAL RESULTS

0 300 600
SCALE IN FEET

FILE NO. 10653.36951.018
AUGUST 2007

O'BRIEN & GERE ENGINEERS INC.

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August 21, 2007 - 2:50PM

FIGURE 9

MW-1	Benzene (µg/L)	1,1-Dichloroethane (µg/L)	Ethyl benzene (µg/L)	Isopropyl benzene (µg/L)	4-isopropyl toluene (µg/L)	n-Butyl benzene (µg/L)	n-Propyl benzene (µg/L)
ScV	1	5	5	5	5	5	5
20'	ND	Fig	44	19	10	18	29
30'	3 J	24	49	16	7	12	22
60'	ND	ND	4 J	1 J	ND	1 J	2 J
110'	ND	ND	3 J	1 J	ND	ND	1 J
120'	ND	ND	7	2 J	1 J	2 J	3 J
150'	ND	ND	2 J	1 J	1 J	ND	2 J

MW-1	Naphthalene (µg/L)	sec-Butyl benzene (µg/L)	1,2,4-TMB (µg/L)	1,3,5-TMB (µg/L)	m,p-Xylene (µg/L)	Xylenes (µg/L)
ScV	10	5	5	5	5	5
20'	83 B	13	180	45	63	63
30'	88 B	9	140	35	74	75
60'	7 B	ND	9	2 J	6	6
110'	8 B	ND	8	2 J	5	5
120'	20 B	2 J	22	6	14	14
150'	9 B	2 J	12	3 J	3 J	3 J

MW-2	MTBE (µg/L)	PCE (µg/L)	TCE (µg/L)
ScV	10	5	5
20'	9	14	ND
30'	10	6	ND
70'	2 J	6	ND
80'	11	ND	11
90'	10	15	ND
100'	22	14	ND
100' (FD)	25	13	ND
110'	25	20	ND

MW-2	MTBE (µg/L)	PCE (µg/L)	TCE (µg/L)
ScV	10	5	5
120'	48	30	1 J
130'	41	10	ND
140'	61	10	ND
150'	98	4 J	ND
160'	52	ND	ND
170'	36	4 J	ND
180'	26	2 J	ND
190'	13	2 J	ND

LEGEND:

- MW-3 ◆ MONITORING WELL
- DP-4 ■ DIRECT PUSH GROUNDWATER SAMPLING LOCATION
- CMT-5 ● CMT MONITORING WELL
- SV-30 ◊ SOIL VAPOR PROBE
- ITDGW-11 ⌖ FORMER GROUNDWATER SAMPLING LOCATION (GENERALLY NOT EXISTING)
- PZ-3 ◒ EXISTING PIEZOMETER
- ITMW-3 ◆ EXISTING MONITORING WELL
- TAX MAP PROPERTY LINES
- OU1 BOUNDARY
- OU2 BOUNDARY

3 MONITORING WELL NEST LOCATIONS (S,I,&D TYP.)

NOTES:

1. ONLY FORMER GROUNDWATER SAMPLE LOCATIONS ITDGW-1 AND ITDGW-26, PIEZOMETERS PZ-1 THRU 3, AND MONITORING WELLS ITMW-1S, 1D, 2S, 2D, 3S, 3D, 4S, AND 4D ARE STILL PRESENT.
2. ScV = SCREENING VALUE
   FD = FIELD DUPLICATE
   J = ANALYTE DETECTED BELOW REPORTING LIMIT
   D = ANALYTE CONCENTRATION OBTAINED FROM A DILUTED ANALYSIS
   B = ORGANIC ANALYTE DETECTED IN THE ASSOCIATED METHOD BLANK

REFERENCE:

BASE MAP SOURCE: CHAZEN ENGINEERING & LAND SURVEYING CO., P.C. AND SHAW E&I ENGINEERING OF NY

JIMMY'S DRY CLEANERS
ROOSEVELT, NEW YORK
NYSDEC SITE #1-30-080

MW-1,2 AND 3 GROUND WATER ANALYTICAL RESULTS ABOVE SCREENING VALUES

0 300 600
SCALE IN FEET

FILE NO. 10653.36951.019
AUGUST 2007

O'BRIEN & GERE ENGINEERS INC.

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FIGURE 10

MW-1D	Ethyl benzene (µg/L)	Naphtha-lene (µg/L)	1,2,4-TMB (µg/L)	m,p-Xylene (µg/L)	Xylenes (µg/L)
ScV	5	10	5	5	5
110'-120'	**6**	**15**	**18**	**12**	**12**

MW-2S	PCE (µg/L)
ScV	5
15'-25'	**10**

MW-2I	PCE (µg/L)
ScV	5
80'-90'	**18**

MW-2D	MTBE (µg/L)	PCE (µg/L)
ScV	10	5
110'-120'	**18**	**120**

CMT-5(2)	PCE (µg/L)
ScV	5
52.75'-53.25'	**170**

CMT-5(3)	PCE (µg/L)
ScV	5
82.75'-83.25'	**46**

ITMW-2D	cis-1,2-DCE (µg/L)	PCE (µg/L)	TCE (µg/L)
ScV	5	5	5
91.5'-101.5'	**23**	**2,000 D**	**14**

3 MONITORING WELL NEST LOCATIONS (S,I,&D TYP.)

LEGEND:

- MW-3 ◈ — MONITORING WELL
- DP-4 ■ — DIRECT PUSH GROUNDWATER SAMPLING LOCATION
- CMT-5 ● — CMT MONITORING WELL
- SV-30 ◊ — SOIL VAPOR PROBE
- ITDGW-11 ⌖ — FORMER GROUNDWATER SAMPLING LOCATION (GENERALLY NOT EXISTING)
- PZ-3 ◒ — EXISTING PIEZOMETER
- ITMW-3 ◈ — EXISTING MONITORING WELL
- TAX MAP PROPERTY LINES
- OU1 BOUNDARY
- OU2 BOUNDARY

JIMMY'S DRY CLEANERS
ROOSEVELT, NEW YORK
NYSDEC SITE #1-30-080

MW-1,2 AND 3 NESTED WELLS, ITMW-2D AND CMT-5 WELLS GROUND WATER ANALYTICAL RESULTS ABOVE SCREENING VALUES

0 300 600
SCALE IN FEET

FILE NO. 10653.36951.020
AUGUST 2007

O'BRIEN & GERE ENGINEERS INC.

NOTES:

1. ONLY FORMER GROUNDWATER SAMPLE LOCATIONS ITDGW-1 AND ITDGW-26, PIEZOMETERS PZ-1 THRU 3, AND MONITORING WELLS ITMW-1S, 1D, 2S, 2D, 3S, 3D, 4S, AND 4D ARE STILL PRESENT.

ScV=SCREENING VALUE
D =ANALYTE CONCENTRATION OBTAINED FROM A DILUTED ANALYSIS

REFERENCE:

BASE MAP SOURCE: CHAZEN ENGINEERING & LAND SURVEYING CO., P.C. AND SHAW E&I ENGINEERING OF NY

August 21, 2007 - 2:49PM
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APPENDIX A

Correspondences with the Village of Freeport, Town of Hempstead, & Nassau County for Road Opening Permits

O'BRIEN & GERE

April 11, 2006

Village of Freeport
46 North Ocean Avenue
Freeport, NY 11520

Attn: Mr. Robert Fisenne

Re: Jimmy's Dry Cleaners
61 Nassau Road
Roosevelt, NY
#1-30-080
Road Opening Permit Application

File: 10653/36951 #2

Dear Mr. Fisenne:

Enclosed for your review and approval is our "Road Opening Permit Application for Work on Right-of-Way on Village Roads". This permit is for activities associated with the ground water and soil investigation project for Jimmy's Dry Cleaners that O'Brien & Gere is conducting on behalf of New York State Department of Environmental Conservation (NYSDEC).

This project includes the installation of five ground water monitoring wells and 40 soil vapor probes at the locations shown on the attached figure. The five monitoring wells and 40 soil vapor probes will be installed in the grassy area between the curb and the sidewalk. The monitoring wells will be installed using a direct push method by advancing a 2" casing to approximately 100 ft deep. A flush-mounted well box will be installed at each well. A direct push method will also be used to install the soil vapor probes approximately 8 ft deep. A flush-mounted well cover will also be installed at each soil vapor probe location. The area around the monitoring wells and soil vapor probes will be restored to its original condition.

The drilling companies that will be performing the work are listed below:

Monitoring Wells: Aquifer Drilling and Testing Inc.
150 Nassau Terminal Road
New Hyde Park, NJ 11040

Soil Vapor Probes: Zebra Environmental Corporation
30 N. Prospect Avenue
Lynbrook, NY 11563

An O'Brien & Gere representative will be on-site to oversee the drilling activities presented above.

We have scheduled soil vapor probe activities and monitoring well installations for the week of May 1, 2006.

If you have any questions or comments, please contact me at 315-437-6100 Ext 2258 or dentmj@obg.com.

Very truly yours,

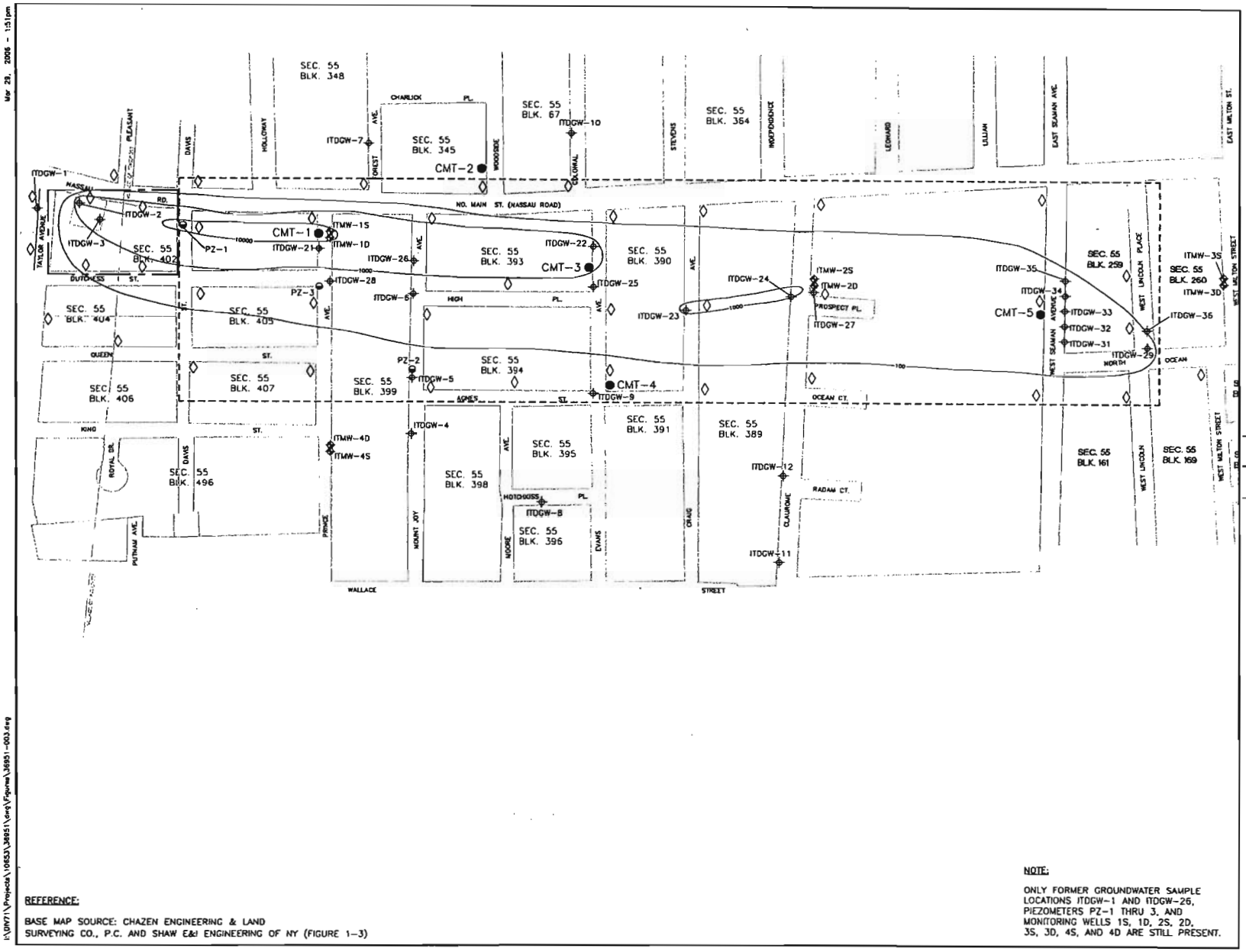
O'BRIEN & GERE ENGINEERS, INC.

Marc J. Dent, P.E.
Managing Engineer

I:\DIV71\Projects\10653\36951\2_corres\Ltr Fisenne Permit Application.doc

cc: Heide-Marie Dudek - NYSDEC

FIGURE 3



LEGEND:

- CMT-5 ● — PROPOSED CMT MONITORING WELL
- ◇ — PROPOSED TEMPORARY SOIL VAPOR PROBE
- TAX MAP PROPERTY LINES
- ITDGW-11 ◆ — FORMER GROUNDWATER SAMPLING LOCATION (GENERALLY NOT EXISTING)
- PZ-3 ● — EXISTING PIEZOMETER
- ◆ — EXISTING MONITORING WELL
- OU1 BOUNDARY
- OU2 BOUNDARY
- 100 — CONCENTRATION OF PCE IN GROUNDWATER (ug/L)

REFERENCE:

BASE MAP SOURCE: CHAZEN ENGINEERING & LAND SURVEYING CO., P.C. AND SHAW E&I ENGINEERING OF NY (FIGURE 1-3)

NOTE:

ONLY FORMER GROUNDWATER SAMPLE LOCATIONS ITDGW-1 AND ITDGW-26, PIEZOMETERS PZ-1 THRU 3, AND MONITORING WELLS 1S, 1D, 2S, 2D, 3S, 3D, 4S, AND 4D ARE STILL PRESENT.

JIMMY'S DRY CLEANERS
NYSDEC WA#D004090-25
ROOSEVELT, NEW YORK

OU1/OU2 SITE MAP

1"=300' 300 0 300

FILE NO. 10653.36951.003
FEBRUARY 2006

O'BRIEN & GERE ENGINEERS INC.

Village of Freeport
Road Opening Permit Application
For Work On Right of Way on Village Roads

One site drawing is required to be attached to this application (must be on 8-1/2" x 11" sheets)

Applicant

Name: NYS Department of Environmental Conservation

Address: 625 Broadway, Albany, NY 12233

Telephone #: 315-437-6100 X2258

I request permission to open ☐ Road ☒ Grass area ☐ Sidewalk on the

See Attached Figure 3 at a distance of -- feet ---

for the purpose of (check where applicable)

- ☐ Gas
- ☐ Water Note: This application must be accompanied by a **Water Department application for Water** form.
- ☐ Sewer Note: This application must be accompanied by a **Sewer Department connection application** form.
- ☐ Electric
- ☐ Tel
- ☐ Catv
- ☒ Other

Final restoration must be performed by an approved road restoration contractor.

☒ We will be performing our own restoration

Name: See attached letter for Drilling Companies

Address:

Telephone #:

☐ We will use the Village Contractor to perform the restoration

The anticipated road opening area will be approximately:

Concrete Road square feet ____ Asphalt Road square feet ____

Note: If the restoration is to be performed by the Village Contractor your permit fee will include an estimated restoration fee, if the actual restoration area exceeds the estimated quantity, you will be billed for the final restoration quantity as measured in the field.

FOR OFFICIAL USE ONLY

☐ Approve Signed: Date:

☐ Disapprove:

Road opening Fee A2560.000	Road restoration Fee 1710.000	Water Fee WE469.300WE469	Sewer Fee A2590.000	Total Fee

Comments:

O'BRIEN & GERE

April 20, 2006

OVERNIGHT DELIVERY
FedEx 8567 6381 6797

Village of Freeport
46 North Ocean Avenue
Freeport, NY 11520

Attn: Mr. Robert Fisenne

Re: Jimmy's Dry Cleaners
61 Nassau Road
Roosevelt, NY
#1-30-080
Road Opening Permit Fee

File: 10653/36951 #2

Dear Mr. Fisenne:

On April 11, 2006 we submitted a Road Opening Permit application for activities associated with the ground water and soil investigation project for Jimmy's Dry Cleaners in the Village of Freeport. Based our recent conversation, enclosed is a check in the amount of $250 for the Road Opening Permit fee. This fee is for the installation of five monitoring wells ($50 per well).

If you have any questions or comments, please contact me at 315-437-6100 Ext 2258 or dentmj@obg.com.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.

Marc Dent

Marc J. Dent, P.E.
Managing Engineer

I:\DIV71\Projects\10653\36951\2_corres\Ltr Fisenne Permit Fee.doc
Enclosure

cc: Heide-Marie Dudek - NYSDEC

O'BRIEN & GERE

April 26, 2006

OVERNIGHT DELIVERY

Village of Freeport
46 North Ocean Avenue
Freeport, NY 11520

Attn: Ms. Diane Rushton

Re: Jimmy's Dry Cleaners
61 Nassau Road, Roosevelt, NY
#1-30-080
Insurance Certificates

File: 10653/36951 #2

Dear Ms. Rushton:

As per your request, attached are the following Certificates of Liability Insurance and Street/Road Opening Bond for drilling activities associated with the ground water and soil investigation project for Jimmy's Dry Cleaners in the Village of Freeport.

Aquifer Drilling and Testing, Inc. (Monitoring Wells)
- Certificate of Liability Insurance – Allied North America Insurance
- Street/Road Opening Bond for $10,000

Zebra Environmental Corp. (Soil Vapor Probe)
- Certificate of Liability Insurance – Wharton/Lyon & Lyon (Liability)
- Certificate of Liability Insurance – Brown & Brown of NJ (Auto)

O'Brien & Gere Engineers, Inc. (Ground Water Sampling)
- Certificate of Liability Insurance – Brown & Brown Empire State

We have already submitted the Road Opening Permit Application and the fee to Mr. Robert Fisenne at the Village of Freeport.

We have tentatively scheduled the drilling activities for the week of May 1, 2006.

If you have any questions or comments, please contact me at 315-437-6100 Ext 2258 or dentmj@obg.com.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.

Marc J. Dent, P.E.
Managing Engineer

I:\DIV71\Projects\10653\36951\2_corres\Ltr Rushton Insurance Cert.doc
Enclosure

cc: Heide-Marie Dudek - NYSDEC

O'BRIEN & GERE

May 1, 2006

Town of Hempstead
Highway Department
350 Front Street
Hempstead, NY 11550-4037

Attn: Mr. Matt Friedman

Re: Jimmy's Dry Cleaners
61 Nassau Road
Roosevelt, NY
#1-30-080
Highway Dept. Permit Application

File: 10653/36951 #2

Dear Mr. Friedman:

Enclosed for your review and approval is our "Town of Hempstead Highway Department Permit Application". This permit is for activities associated with the ground water and soil investigation project for Jimmy's Dry Cleaners. O'Brien & Gere Engineers, Inc. is conducting this project under contract to New York State Department of Environmental Conservation (NYSDEC). NYSDEC is submitting a separate letter to you requesting a waiver of the permit fee for these activities.

This project includes the installation of 7 soil vapor probes at the locations shown on the attached figure. The 7 soil vapor probes will be installed in the grassy area between the curb and the sidewalk. A direct push method will be used to install the soil vapor probes approximately 8 ft deep. A flush-mounted well cover will be installed at each soil vapor probe location. The area around the soil vapor probes will be restored to its original condition. Following installation of the probes, an air sample will be collected from each location.

The proposed remedial activities are a continuation of previous investigations conducted on behalf of NYSDEC to evaluate impacts to the soil and ground water from prior activities conducted at Jimmy's Dry Cleaners.

The following drilling company will be performing the work:

Zebra Environmental Corporation
30 N. Prospect Avenue
Lynbrook, NY 11563

An O'Brien & Gere representative will be on-site to oversee the drilling activities presented above.

We have scheduled soil vapor probe activities for the week of May 8, 2006. If you have any questions or comments, please contact me at 315-437-6100 Ext 2258 or dentmj@obg.com.

Very truly yours,

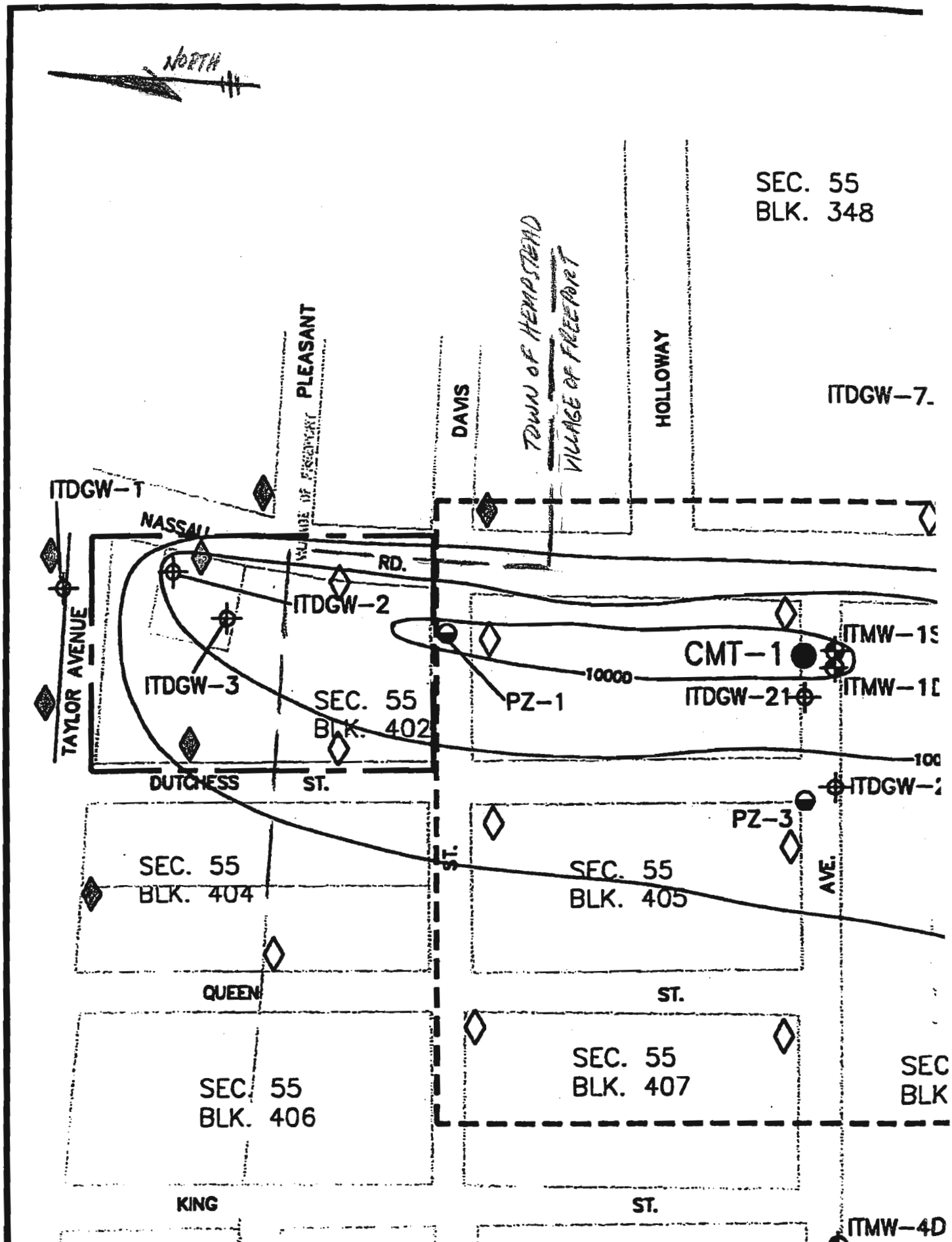
O'BRIEN & GERE ENGINEERS, INC.

Marc Dent

Marc J. Dent, P.E.
Managing Engineer

I:\DIV71\Projects\10653\36951\2_corres\Letter Hempstead Permit App.doc

cc: Heide-Marie Dudek - NYSDEC


NORTH
SEC. 55
BLK. 348
PLEASANT
DAVIS
TOWN OF HEMPSTEAD
VILLAGE OF FREEPORT
HOLLOWAY
ITDGW-7
ITDGW-1
NASSAU
RD.
ITDGW-2
TAYLOR AVENUE
ITDGW-3
SEC. 55
BLK. 402
PZ-1
CMT-1
ITMW-1S
ITDGW-21
ITMW-1D
10000
DUTCHESS
ST.
ITDGW-
PZ-3
SEC. 55
BLK. 404
SEC. 55
BLK. 405
AVE.
QUEEN
ST.
SEC. 55
BLK. 406
SEC. 55
BLK. 407
SEC
BLK
KING
ST.
ITMW-4D

TOWN OF HEMPSTEAD HIGHWAY DEPARTMENT PERMIT APPLICATION

Fees paid in relation to this application/permit are non-refundable. Make Check/Money Orders payable to the Town of Hempstead.

#:

PERMIT #: FEE: APPRVD: MAINT AREA: MAP #: DATE:

I. **LOCATION OF WORK:** *All applicants must complete this part.*

Number and Street: Taylor Ave., Dutchess St., Pleasant Ave., Davis St. and Nassau Road

Hamlet: Sec: Blk: Lot:

N.S.E.W. side of Refer to the attached Figure

N.S.E.W. of

II **TYPE OF WORK:** *All applicants must complete this part*

Curb Cuts/Apron	Sidewalk/curb	Trees	Excavations in R-O-W
New Bldg/House ☐ Install Existing ☐ Install ☐ Widen ☐ Replace	☐ Install ☐ Replace ____ Linear Ft. ____ TOH Order	☐ Remove ☐ Plant ____ No. Trees	☐ Road ☒ Sidewalk Area Purpose ____ ☐ Water ☐ Sewer ☒ Other Soil Borings NC Permit No.

III. **WORK PROPOSED-DESCRIBE IN DETAIL. ATTACH SITE PLAN IF REQUIRED.** Seven (7) soil vapor probes will be installed using a direct push method to 8 ft. deep. They will be located in the grassy area between the curb and sidewalk. Refer to attached letter and Figure.

IV. **IDENTIFICATION:** *All applicants must complete this part*

	Name	Address	Tel. No.
Arch/Eng	O'Brien & Gere Engineers (Marc Dent)	5000 Brittonfield Parkway PO Box 4873 Syracuse, NY 13221	315 437-6100 ext. 2258
Contractor	Zebra Environmental Corp	30 N. Prospect Ave, Lynbrook, NY 11563	516 596-6300

Owner/Applicant New York State Department of Environmental Conservation
625 Broadway, Albany, NY 12233 Ms. Heide-Marie Dudek 518 402-9622

I hereby agree to conform to all applicable laws of the Town of Hempstead.
(Sign here) X Marc Dent for NYSDEC

DO NOT WRITE BELOW THIS LINE FOR DEPARTMENT USE ONLY

Inspected by : _____ Date: _____

Comments : _____

White: Highway Department
Yellow: Applicant
Pink: Highway Field Inspector

FTG 10653/36951 #2

TOWN OF HEMPSTEAD HIGHWAY DEPARTMENT PERMIT APPLICATION

Fees paid in relation to this application/permit are non-refundable. Make Check/Money Orders payable to the Town of Hempstead.

#: waiver

DATE: 5/8/06 MAP #: 94 MAINT AREA: ROOSEVELT APPRVD: MF FEE: waiver PERMIT #: 061088

I. **LOCATION OF WORK:** *All applicants must complete this part.*

Number and Street: Pleasant Avenue

Hamlet: Roosevelt Sec: Blk: Lot:

N.S.E.W. side of Refer to the attached Figure

N.S.E.W. of

II **TYPE OF WORK:** *All applicants must complete this part*

Curb Cuts/Apron	Sidewalk/curb	Trees	Excavations in R-O-W
New Bldg/House ☐ Install Existing ☐ Install ☐ Widen ☐ Replace	☐ Install ☐ Replace ____ Linear Ft. ____ TOH Order	☐ Remove ☐ Plant ____ No. Trees	☐ Road ☒ Sidewalk Area Purpose ____ ☐ Water ☐ Sewer ☒ Other / Soil Boring NC Permit No.

III. **WORK PROPOSED-DESCRIBE IN DETAIL. ATTACH SITE PLAN IF REQUIRED.**

One (1) soil vapor probe will be installed using a direct push method to 8ft deep. It will be located in the grassy area between the curb and the sidewalk. Refer to the Figure.

IV. **IDENTIFICATION:** *All applicants must complete this part*

	Name	Address	Tel. No.
Arch/Eng	O'Brien & Gere Engineers Inc.	5000 Brittonfield Parkway	315 437-6100
	(Marc Dent)	P.O. Box 4873, Syracuse, NY 13221	ext. 2258
Contractor	Zebra Environmental Corp.	30 N. Prospect Ave.	516 596-6300
		Lynbrook, NY 11563	
Owner/Applicant	New York State Dept. of Environmental Conservation (NYSDEC)		
	625 Broadway Albany, NY 12233	Ms Heide-Marie Dudek	518 402-9622

I hereby agree to conform to all applicable laws of the Town of Hempstead.
(Sign here) X Marc Dent for NYSDEC

DO NOT WRITE BELOW THIS LINE FOR DEPARTMENT USE ONLY

Inspected by : _____ Date: _____

Comments : _____

White: Highway Department
Yellow: Applicant
Pink: Highway Field Inspector

Fb 10053/36951 #2

TOWN OF HEMPSTEAD HIGHWAY DEPARTMENT PERMIT APPLICATION

Fees paid in relation to this application/permit are non-refundable. Make Check/Money Orders payable to the Town of Hempstead.

#: Waived

DATE: 5/8/08 MAP #: 44 MAINT AREA: Roosevelt APPRVD: MF FEE: $ Waived PERMIT #: 261088

I. **LOCATION OF WORK:** *All applicants must complete this part.*

Number and Street: Davis Street

Hamlet: Roosevelt Sec: Blk: Lot:

N.S.E.W. side of Refer to the attached Figure

N.S.E.W. of

II **TYPE OF WORK:** *All applicants must complete this part*

Curb Cuts/Apron		Sidewalk/curb	Trees	Excavations in R-O-W
New Bldg/House	Existing	☐ Install	☐ Remove	☐ Road
☐ Install	☐ Install	☐ Replace	☐ Plant	☒ Sidewalk Area
	☐ Widen	____ Linear Ft.	____ No. Trees	Purpose ____
	☐ Replace	____ TOH Order		☐ Water
				☐ Sewer
				☒ Other Soil Boring
				NC Permit No.

III. **WORK PROPOSED-DESCRIBE IN DETAIL. ATTACH SITE PLAN IF REQUIRED.**

One (1) soil vapor probe will be installed using a direct push method to 8ft deep. It will be located in the grassy area between the curb and the sidewalk. Refer to the Figure.

IV. **IDENTIFICATION:** *All applicants must complete this part*

	Name	Address	Tel. No.
Arch/Eng	O'Brien & Gere Engineers Inc. (Marc Dent)	5000 Brittonfield Parkway P.O. Box 4873, Syracuse, NY 13221	315 437-6100 ext. 2258
Contractor	Zebra Environmental Corp.	30 N. Prospect Avenue Lynbrook, NY 11563	516 596-6300
Owner/Applicant	New York State Dept. of Environmental Conservation (NYSDEC) 625 Broadway, Albany, NY 12233 Ms. Heide-Marie Dudek 518 402-9622		

I hereby agree to conform to all applicable laws of the Town of Hempstead.
(Sign here) X Marc Dent for NYSDEC

DO NOT WRITE BELOW THIS LINE FOR DEPARTMENT USE ONLY

Inspected by : _____ Date: _____

Comments : _____

White: Highway Department
Yellow: Applicant
Pink: Highway Field Inspector

Fk 10053/36951 #2

TOWN OF HEMPSTEAD HIGHWAY DEPARTMENT PERMIT APPLICATION

Fees paid in relation to this application/permit are non-refundable. Make Check/Money Orders payable to the Town of Hempstead.

#: Waived

DATE: 5/18/06 MAP #: 94 MAINT AREA: ROOSEVELT APPRVD: MF FEE: Waived PERMIT #: 061087

I. LOCATION OF WORK: *All applicants must complete this part.*

Number and Street: Dutchess Street

Hamlet: Roosevelt Sec: Blk: Lot:

N.S.E.W. side of Refer to attached Figure

N.S.E.W. of

II TYPE OF WORK: *All applicants must complete this part*

Curb Cuts/Apron	Sidewalk/curb	Trees	Excavations in R-O-W
New Bldg/House ☐ Install Existing ☐ Install ☐ Widen ☐ Replace	☐ Install ☐ Replace ____ Linear Ft. ____ TOH Order	☐ Remove ☐ Plant ____ No. Trees	☐ Road ☒ Sidewalk Area Purpose ____ ☐ Water ☐ Sewer ☒ Other / Soil / Boring ____ NC Permit No.

III. WORK PROPOSED-DESCRIBE IN DETAIL. ATTACH SITE PLAN IF REQUIRED.

One (1) soil vapor probe will be installed using a direct push method to 8 ft deep. It will be located in the grassy area between the curb and the sidewalk, Refer to the Figure.

IV. IDENTIFICATION: *All applicants must complete this part*

	Name	Address	Tel. No.
Arch/Eng	O'Brien & Gere Engineers Inc.	5020 Br. Hanfield Parkway	315 437-6100
	(Marc Dent	P.O. Box 4873 Syracuse, NY 13221	ext. 2258
Contractor	Zebra Environmental Corp.	30 N. Prospect Ave	516 596-6300
		Lynbrook, NY 11563	
Owner/Applicant	New York State Dept. of Environmental Conservation (NYSDEC)		
	625 Broadway, Albany, NY 12233	Ms. Heide-Marie Dudek	518 402-9622

I hereby agree to conform to all applicable laws of the Town of Hempstead.
(Sign here) X Marc Dent for NYSDEC

DO NOT WRITE BELOW THIS LINE FOR DEPARTMENT USE ONLY

Inspected by : _____ Date: _____

Comments : _____

White: Highway Department
Yellow: Applicant
Pink: Highway Field Inspector

TOWN OF HEMPSTEAD HIGHWAY DEPARTMENT PERMIT APPLICATION

Fees paid in relation to this application/permit are non-refundable. Make Check/Money Orders payable to the Town of Hempstead.

#: Waived

DATE: 5/10/16 MAP #: 478 MAINT AREA: ROOSEVELT APPRVD: MF FEE: Waived PERMIT #: 261086

I. LOCATION OF WORK: *All applicants must complete this part.*

Number and Street: Taylor Avenue

Hamlet: Roosevelt Sec: Blk: Lot:

N.S.E.W. side of Refer to the attached Figure

N.S.E.W. of

II TYPE OF WORK: *All applicants must complete this part*

Curb Cuts/Apron	Sidewalk/curb	Trees	Excavations in R-O-W
New Bldg/House ☐ Install Existing ☐ Install ☐ Widen ☐ Replace	☐ Install ☐ Replace ____ Linear Ft. ____ TOH Order	☐ Remove ☐ Plant ____ No. Trees	☐ Road ☒ Sidewalk Area Purpose ____ ☐ Water ☐ Sewer ☒ Other 3 Soil Borings NC Permit No.

III. WORK PROPOSED-DESCRIBE IN DETAIL. ATTACH SITE PLAN IF REQUIRED.

Three (3) soil vapor probes will be installed using a direct push method to 8 ft deep. They will be located in the grassy area between the curb and sidewalk. Refer to Figure.

IV. IDENTIFICATION: *All applicants must complete this part*

	Name	Address	Tel. No.
Arch/Eng	O'Brien & Gere Engineers, Inc.	5000 Brittonfield Parkway	315 437-6100
	(Marc Dent)	P.O. Box 4873, Syracuse, NY 13221	ext. 2258
Contractor	Zebra Environmental Corp.	30 N. Prospect Ave	516 596-6300
		Lynbrook, NY 11563	

Owner/Applicant New York State Department of Environmental Conservation (NYSDEC)
625 Broadway, Albany, NY 12233 Ms. Heide-Marie Dudek 518 402-9622

I hereby agree to conform to all applicable laws of the Town of Hempstead.
(Sign here) X Marc Dent for NYSDEC

DO NOT WRITE BELOW THIS LINE FOR DEPARTMENT USE ONLY

Inspected by : _____ Date: _____

Comments : _____

White: Highway Department
Yellow: Applicant
Pink: Highway Field Inspector

File 10653/36951#2

TOWN OF HEMPSTEAD
DEPARTMENT
OF
HIGHWAYS
350 FRONT STREET, HEMPSTEAD, N.Y. 11550-4037
(516) 489-5000

DATE: 5/18/06

FAX TO: Mark Dent

FAX #: 315 463 7554

SUBJECT: Nassau Road is a Nassau County Road

OF PAGES INCLUDING COVER SHEET: 4

FROM: Matt Friedman

TELEPHONE #: 516 812 3473

FAX #: 516 481 0354

COMMENTS: Here is the info for permits on a Nassau County Road. You should contact them for more information Please call if you have any questions

TOWN OF HEMPSTEAD HIGHWAY DEPARTMENT PERMIT APPLICATION

Fees paid in relation to this application/permit are non-refundable. Make Check/Money Orders payable to the Town of Hempstead. #:

I. LOCATION OF WORK: *All applicants must complete this part.*

Number and Street: Nassau Road

Hamlet: Roosevelt Sec: Blk: Lot:

N.S.E.W. side of Refer to the attached Figure

N.S.E.W. of

II TYPE OF WORK: *All applicants must complete this part*

Curb Cuts/Apron		Sidewalk/curb	Trees	Excavations in R-O-W
New Bldg/House	Existing	☐ Install	☐ Remove	☐ Road
☐ Install	☐ Install	☐ Replace	☐ Plant	☒ Sidewalk Area
	☐ Widen	___ Linear Ft.	___ No. Trees	Purpose ___
	☐ Replace	___ TOH Order		☐ Water
				☐ Sewer
				☒ Other / Soil Boring
				___ NC Permit No.

III. WORK PROPOSED-DESCRIBE IN DETAIL. ATTACH SITE PLAN IF REQUIRED.

One (1) soil boring probe will be installed using a direct push method to 8 ft. deep. It will be located in the grassy area between the curb and the sidewalk. Refer to the Figure.

IV. IDENTIFICATION: *All applicants must complete this part*

	Name	Address	Tel. No.
Arch/Eng	O'Brien & Gere Engineers Inc.	5000 Brittonfield Parkway Rotary 4873 Syracuse NY 13221	315 437-6100 ext. 2258
Contractor	Zebra Environmental Corp	30 N. Prospect Avenue Lynbrook, NY 11563	516 596-6300

Owner/Applicant New York State Dept. of Environmental Conservation (NYSDEC) 625 Broadway, Albany, NY 12233 Ms. Heide-Marie Dudek 518 402-9622

I hereby agree to conform to all applicable laws of the Town of Hempstead.
(Sign here) X Marie Dudek for NYSDEC

DO NOT WRITE BELOW THIS LINE FOR DEPARTMENT USE ONLY

Inspected by : ______________________ Date: ________

Comments : ______________________

White: Highway Department
Yellow: Applicant
Pink: Highway Field Inspector

THOMAS R. SUOZZI
COUNTY EXECUTIVE

PETER J. GERBASI, P.E.
COMMISSIONER

COUNTY OF NASSAU
DEPARTMENT OF PUBLIC WORKS
WESTBURY, NEW YORK 11590

PERMIT INFORMATION

For Road Openings, Curb Cuts, and Sidewalks
Within County Rights-of-Way

Permits are required for road openings, curb cuts, and sidewalk repairs under Nassau County Ordinance No. 203-2001. Work preformed without a permit is subject to penalties of $1,000.00 per day and/or 6 months imprisonment for each day of violation.

Permit applications for road openings and curb cuts require $150.00 non-refundable application fee. A restoration deposit is also required. This deposit is based upon the extent of the work and determined upon approval of the application. Inspection charges are deducted from the deposit and the remaining balance is refunded upon the satisfactory completion of the restoration by the applicant's contractor. The refund takes about 6-8 from the final acceptance of the work.

All work done by permit in County rights-of-way must be done in accordance with the Rules and Regulations for permits and the County's standard specifications. Road pavement restorations must be done by a Nassau County approved contractor. A list of approved contractors is available at the permit office. Final restorations must be done to the limits as marked by the County permit inspector.

Permit applications are available and returnable to the County's permit office located on the 1st floor of 1194 Prospect Avenue, Westbury, New York 11590. Any questions may be directed to the Permit Inspection Unit of the Nassau County Department of Public Works at 516-571-9601.

$450

County of Nassau

~~516 571-3169~~ Lois Cleary

516 571-4339

Mr. Dempsey
Lois Cleary

ROAD OPENING PERMIT APPLICATION
Nassau County Department of Public Works
For Work on Right-of-Way of County Roads

Non-refundable application fee: $ 150.00
Please Print or Type this application

Receipt No._____

Site Drawings (5) are required to be attached to this application

Check where applicable:

_____ New Work _____ Reconstruction _____ Grass Area _____ Drainage
_____ Road Opening _____ Sidewalk Opening _____ Curb Cut _____ Other

Applicant: _____ Tel No.( ) _____
(owner/agent)

Address: _____ Zip Code: _____

WORK SITE:

School Dist: _____ Section _____ Block _____ Lot _____

I request permission to _____ open, or _____ (re) construct, the (N – E – S – W or Middle) side of
(circle one)

_____, _____
(address) (community)

at a distance of _____ feet (N – E – S – W) from _____ for the
(circle one) (nearest intersection)

purpose of _____

Do trees have to be removed? _____ Yes ___X___ No (If Yes indicate on drawing)

Road/Sidewalk Opening:
Contractor:_____
Address: _____
Tel No. Day_____ Night _____
Licensed by & No.: _____

Road Pavement Restoration: (see contr's list)
Contractor:_____
Address: _____
Tel No. Day_____ Night _____

I have read and agree to abide by the Rules & Regulations pertaining to Permits for work on and within County Roads.

Signature:_____ Title: _____ Date: _____

FOR OFFICIAL USE ONLY

To: Highways & General Engineering
Your approval or disapproval is required. When completed, please return this referral to Contracts & Permits unit for processing. (Use reverse side for additional comments)

Check here where applicable: Deposit Amount: $_____

_____ Disapproved
_____ Approved By: _____ Date: _____

Comments:

File 10653

THOMAS R. SUOZZI
COUNTY EXECUTIVE

COMMISSIONER

NASSAU COUNTY DEPARTMENT OF PUBLIC WORKS
1194 PROSPECT AVENUE, 1ST FLOOR
WESTBURY, NEW YORK 11590

FAX NO.: 516-571-9654

TO: Marc Dlext

FAX NO.: 315-463-7554

FROM: Lori Cleary, Permit Office PHONE NO.: 516-571-9664

COMMENTS: Per Conversation
#. 61. Nassau Blvd. & Taylor
is in Roosevelt.

4 Page(s) Transmitted (Including Cover Sheet)

IF YOU DID NOT RECEIVE THE PAGES TRANSMITTED, PLEASE CONTACT
516-571-9602 or 516-571-9601 IMMEDIATELY!

ROAD OPENIING PERMIT APPLICATION

Nassau County Department of Public Works
For Work on Right-of-Way of County Roads

Non-refundable application fee: $ 150.00
Please Print or Type this application Receipt No._____

Site Drawings (5) are required to be attached to this application

Check where applicable:

_____ New Work _____ Reconstruction _____ Grass Area _____ Drainage
_____ Road Opening _____ Sidewalk Opening _____ Curb Cut _____ Other

Applicant: _____ Tel No.( ) _____
(owner/agent)

Address: _____ Zip Code: _____

WORK SITE:

School Dist: _____ Section _____ Block _____ Lot _____

I request permission to _____ open, or _____ (re) construct, the (N – E – S – W or Middle) side of
(circle one)

_____, _____
(address) (community)

at a distance of _____ feet (N – E – S – W) from _____ for the
(circle one) (nearest intersection)

purpose of _____

Do trees have to be removed? _____ Yes _____ No (If Yes indicate on drawing)

Road/Sidewalk Opening:
Contractor:_____
Address: _____
Tel No. Day_____ Night _____
Licensed by & No.: _____

Road Pavement Restoration: (see contr's list)
Contractor:_____
Address: _____
Tel No. Day_____ Night _____

I have read and agree to abide by the Rules & Regulations pertaining to Permits for work on and within County Roads.

Signature:_____ Title: _____ Date: _____

FOR OFFICIAL USE ONLY

To: Highways & General Engineering
Your approval or disapproval is required. When completed, please return this referral to Contracts & Permits unit for processing. (Use reverse side for additional comments)

Check here where applicable: Deposit Amount: $_____

_____ Disapproved
_____ Approved By: _____ Date: _____

Comments:

THOMAS R. SUOZZI
COUNTY EXECUTIVE

PETER J. GERBASI, P.E.
COMMISSIONER

COUNTY OF NASSAU
DEPARTMENT OF PUBLIC WORKS
WESTBURY, NEW YORK 11590

PERMIT INFORMATION

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Within County Rights-of-Way

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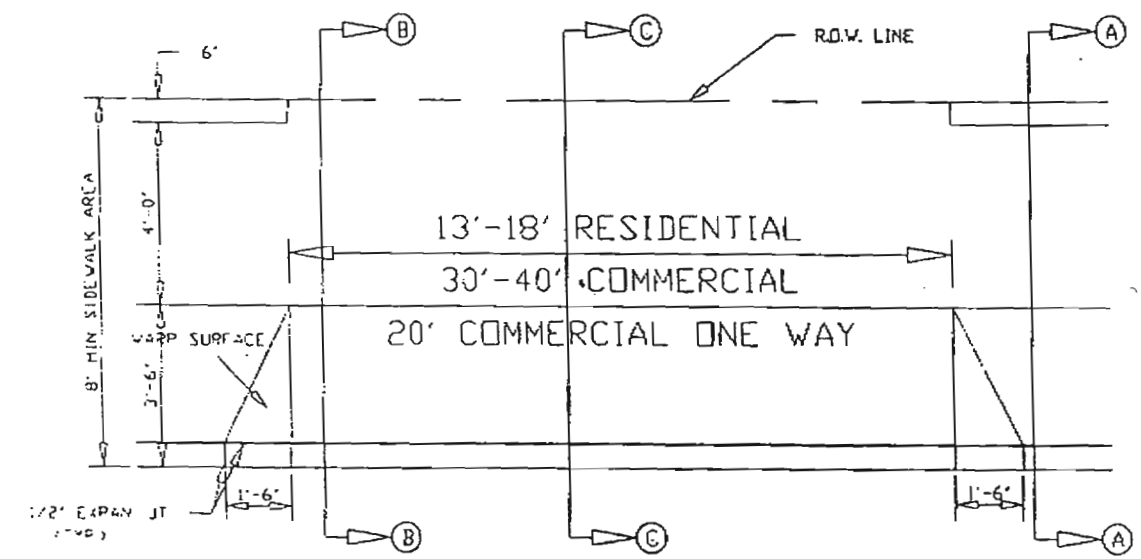
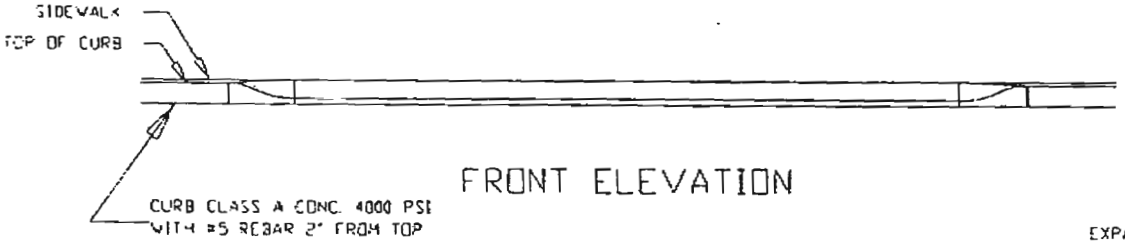
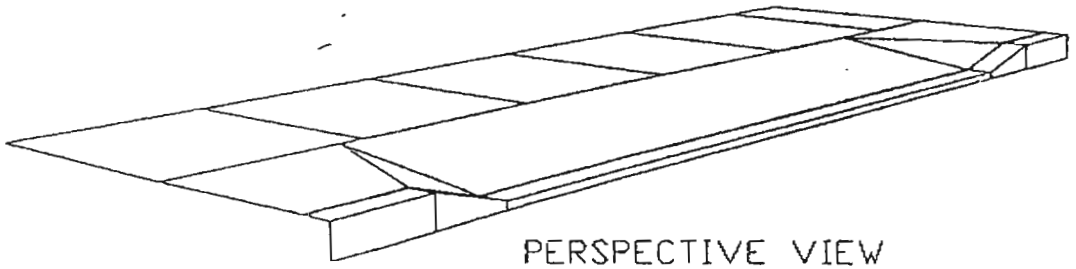
NASSAU COUNTY CURB AND APRON DETAILS



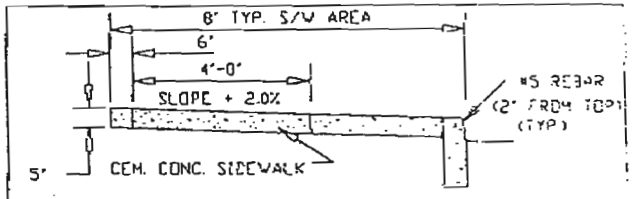
PLAN OF APRON



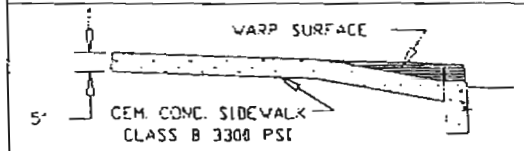
FRONT ELEVATION



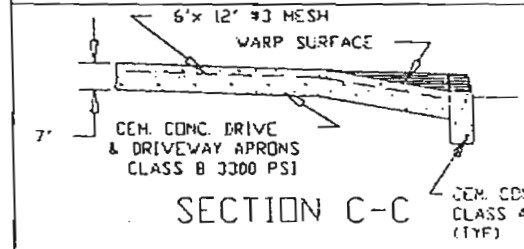
PERSPECTIVE VIEW



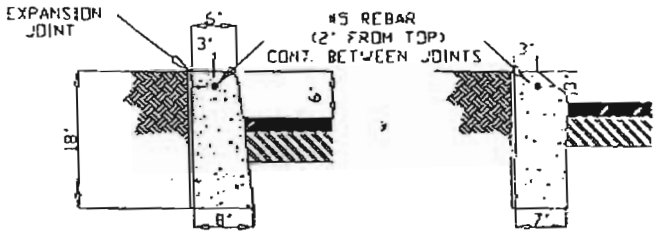
SECTION A-A



SECTION B-B
RESIDENTIAL



SECTION C-C
COMMERCIAL



CONC. CURB TYPE C — CONC. CURB TYPE D (MOUNTABLE)

NASSAU COUNTY DEPARTMENT OF PUBLIC WORKS

CURB & APRON DETAILS

APPENDIX B

Daily Field Reports for CMT Well Installation and Sampling

YEC, INC.

PAGE___ OF___

DAILY Field REPORT

DATE 5/15/06 Weather Raining 56*

PROJECT #

PROJECT Jimmy's Dry Cleaners

CLIENT O' Brien & Gere

PROJECT SITE Freeport, NY

PROJECT MANAGER Marc Dent

PERSONAL Dan Simpson, Scott Tucker, Jiri, Chris I.

TIME	*Field ACTIVITIES*
0800	Scott/ Dan onsite
1000	ADT Drillers on site, late due to "traffic"
1005	Lightning, work postponed for 20 mins.
1030	Set up on CMT-5 using a direct push GeoProbe (6610)
1145	Refusal at * 94'6" *, Scott/ Dan began setting up the well for 94'6",60', 35' port depths
1200	Drillers offsite for lunch
1330	The CMT well was completed and inserted down hole into the casing
1400	Drill rods stuck in the ground, could not extract.
1530	HSA rig will be brought tomorrow to pull rods out of the ground
1535	All personal offsite.
*	Driller miscounted rods, true depth was 89' 6", later observed after extraction.

Report prepared by Dan Simpson Title Staff Geologist

YEC, Inc
612 Corporate Way
Valley Cottage, NY 10989

Phone: (914) 268-3203
Fax: (914) 268-5313

YEC, INC.

DAILY Field REPORT

DATE 5/16/06 Weather Raining 56*
PROJECT #
PROJECT Jimmy's Dry Cleaners
CLIENT O' Brien & Gere
PROJECT SITE Freeport, NY
PROJECT MANAGER Marc Dent
PERSONAL Dan Simpson, Scott Tucker, Jiri, Shawn Miller

TIME	*Field ACTIVITIES*
0800	Scott/ Dan onsite
0820	Drillers on site, late due to "problems leaving shop and traffic."
0830	Since we had to back the drill rig up to CMT-5 and block a lane of traffic, we waited for school traffic to clear first (10 mins.)
0840	4000lb wench could not pull the rods out.
0900	Dan offsite for GEM Cleaner drum pick up.
0940	Dan back on site, rods were moved 2" with the use of all 3 wenches on the rig.
1030	Planned on drilling out the rods using the augers, however they were brought on site dirty, Dan sent the rig back to ADT to have the augers power washed.
1045	Jiri set up the GeoProbe on hole (CMT-5).
1120	Drill rods began to move, extraction commenced.
1200	All rods out of the ground, CMT-5 final depths: 83' 3", 53' 3", 28' 3"
1204	Began manhole installation. Scott offsite
1250	All personal offsite for lunch
1330	Back from lunch, set up on CMT-3. HSA rig 61 (boring location moved due to power lines.
1340	Depth of 110' was reached, and the CMT well ports were measured and set up at 110', 70', 45'.
1600	CMT-3 was inserted down hole into the casing.
1616	Augers were extracted, well came up 4' with them.
1630	Site clean up, rig was left on hole overnight. Nearest property owner was spoken to for permission.
1635	All personal offsite.

Report prepared by Dan Simpson Title Staff Geologist

YEC, Inc
612 Corporate Way
Valley Cottage, NY 10989

Phone: (914) 268-3203
Fax: (914) 268-5313

YEC, INC.

DAILY Field REPORT

DATE 5/17/06 Weather Sunny 60*
ROJECT #
PROJECT Jimmy's Dry Cleaners
CLIENT O' Brien & Gere
PROJECT SITE Freeport, NY
PROJECT MANAGER Marc Dent
PERSONAL Dan Simpson, Chris I, Shawn, Heidi Dudek (NYSDEC), Kerry Malone(NYSDEC)

TIME	*Field ACTIVITIES*
0720	Dan/ Shawn/ Chris I. on site.
0800	Inserted tremie pipe and pumped clean water down hole to loosen CMT-3 in order to reset it. Augers were turned to try to reset them to 110'.
0840	CMT-3 well out of casing, Dan inspected the damages. Tubing could not be reused.
1022	A new CMT-3 well was set up. Heidi/ Kerry on site. * 110', 70', 45' * A total of 550 gallons of clean water was used in the tremie operation.
1045	CMT assembly stuck out 5', augers were extracted.
1100	All augers have been extracted, well is set at 105', 65', 40'
1135	All down hole equipment was decontaminated. Kerry/ Heidi offsite.
1200	Dennis On site. CMT-3 was capped and a manhole box was installed.
1240	All personal offsite for lunch
1313	Back from lunch. Moved to CMT-2. Location moved due to power lines
1330	CMT-2 drilled using HSA to 100', CMT ports were measured at 100', 60', 35'.
1500	The completed well was installed down hole and set at 100'. 150 gallons of clean water was tremie pumped down hole to keep sand out of the augers.
1530	Site clean up. Drill rig left on hole for the night, 70' of augers still in the ground.
1535	All personal offsite

Report prepared by Dan Simpson Title Staff Geologist

YEC, Inc
612 Corporate Way
Valley Cottage, NY 10989

Phone: (914) 268-3203
Fax: (914) 268-5313

YEC, INC.

PAGE___ OF___

DAILY Field REPORT

DATE 5/18/06 Weather Sunny 70*
ROJECT #
PROJECT Jimmy's Dry Cleaners
CLIENT O' Brien & Gere
PROJECT SITE Freeport, NY
PROJECT MANAGER Marc Dent
PERSONAL Dan Simpson, Chris I, Shawn

TIME	*Field ACTIVITIES*
0710	Shawn/ Chris I. on site
0720	Dan on site. Continued to extract augers from CMT-2 on Woodside.
0730	CMT-4 location had to be moved due to a parked car and power lines to Agnes St. Approval by Marc Dent.
0830	CMT-2 well was set at 100', 60', 35'. All down hole equipment was decontaminated
0845	Set up on CMT-4 to set the well ports at 100', 60', 35'
0930	Dropped off 7 drums of soil to the landscaping lot behind Jimmy's near the SVE system. Labeled: (3) CMT-2, (4) CMT-3.
1005	Hand auger first 5' of CMT-4.
1140	Well inserted down hole. 150 gallons of clean water was tremie pumped to keep sand out of the augers
1330	CMT-4 was capped and a manhole box was installed. Well set at 100', 60', 35'.
1335	(3) drums of soil cuttings from CMT-4 were brought over to the landscaping lot.
1400	All personal offsite.
	*CMT-4 port 3 may go dry, well port is set in tight clay as seen on auger drill bit.

Report prepared by Dan Simpson Title Staff Geologist

YEC, Inc
612 Corporate Way
Valley Cottage, NY 10989

Phone: (914) 268-3203
Fax: (914) 268-5313

YEC, INC.

DAILY Field REPORT

DATE 5/30/06 Weather Sunny 77*
ROJECT #
PROJECT Jimmy's Dry Cleaners
CLIENT O' Brien & Gere
PROJECT SITE Freeport, NY
PROJECT MANAGER Marc Dent
PERSONAL Dan Simpson, Chris I, Shawn Miller

TIME	*Field ACTIVITIES*
0930	Shawn/ Chris I. on site. Set up on CMT-1 hand auger the first 5'.
1000	Measured out the ports and total length of the CMT well tubing.
1050	Inserted CMT well down hole.
1100	Had to pull the CMT well out and reset augers to 100'
1115	Re-inserted CMT well down hole. Extracted augers from the ground
1200	Brought (4) drums over to the landscaping lot
1300	Plugged/ capped CMT-1. Final set depth 99', 59', 34'.
1330	ADT off site.
1400	Dan off site.
	* Total drum count of soil cuttings (14)

Report prepared by Dan Simpson Title Staff Geologist

YEC, Inc
612 Corporate Way
Valley Cottage, NY 10989

Phone: (914) 268-3203
Fax: (914) 268-5313

APPENDIX C

Well Completion Logs for CMT Well Installation

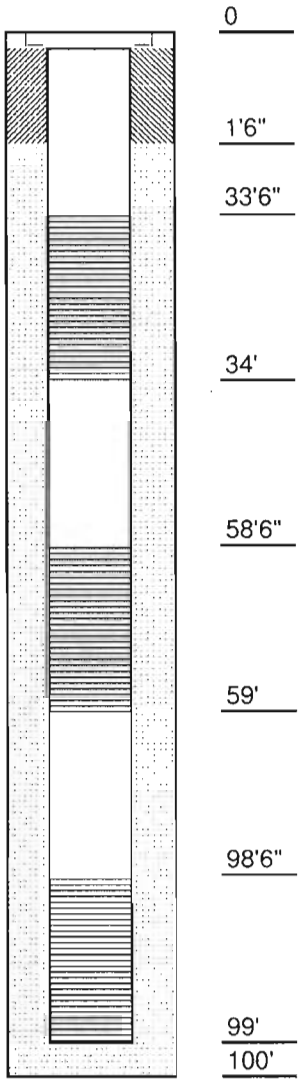
Well Completion Log

Well ID: CMT-1

Project: Jimmy's Cleaners
Location: Freeport, NY
Project No.:

Client: NYSDEC
Drill Date: 5/30/2006

WELL CONSTRUCTON DETAIL



Screen:
Filter:
Seal:

NOT TO SCALE

Construction Notes:

Inspector: Dan Simpson
Drilling Contractor: Aquifer Drilling and Testing Inc.
Well Type: CMT

Static Water Level (ft bgs):
Measuring Point: Grade
Total Depth of Well 99'

Drilling Method- Overburden:

Type: HSA Diameter: 3"
Casing: NA

Sampling Method - Overburden:

Type: Diameter:
Weight: Fall:
Interval:

Riser Pipe:

Material: PVC Diameter: 1"
Length: 99' Joint Type: N/A

Screen:

Material: Mesh Diameter: 1"
Length: 6" Joint Type: N/A
Slot Size: Intervals: 99',59',34'

Filter Pack:

Type: Collapse Grade: NA
Interval: 99'-1'6"

Seal (s):

Type: Cement Interval: 1'6"-0
Type: Interval:
Type: Interval:

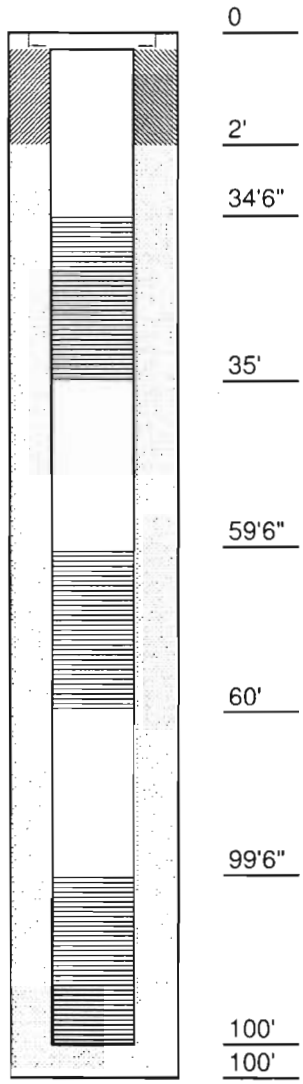
Well Completion Log

Well ID: CMT-2

Project: Jimmy's Cleaners
Location: Freeport, NY
Project No.:

Client: NYSDEC
Drill Date: 5/17/2006

WELL CONSTRUCTON DETAIL



NOT TO SCALE

Construction Notes:

Inspector: Dan Simpson
Drilling Contractor: ADT
Well Type: CMT

Static Water Level (ft bgs):
Measuring Point: Grade
Total Depth of Well

Drilling Method- Overburden:

Type: HSA Diameter: 3"
Casing:

Sampling Method - Overburden:

Type: Diameter:
Weight: Fall:
Interval:

Riser Pipe:

Material: PVC Diameter: 1"
Length: 100' Joint Type: N/A

Screen:

Material: Mesh Diameter: 1"
Length: 6" Joint Type: N/A
Slot Size: Intervals: 100',60',35'

Filter Pack:

Type: Collapse Grade:
Interval: 100'-2'

Seal (s):

Type: Cement Interval: 2'-0
Type: Interval:
Type: Interval:

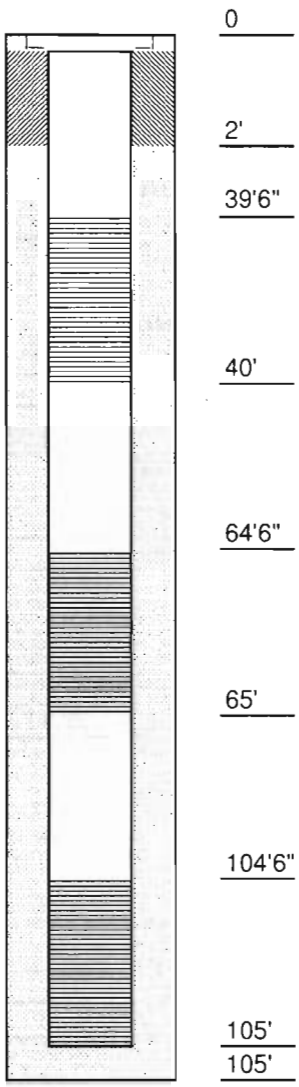
Well Completion Log

Well ID: CMT-3

Project: Jimmy's Cleaners
Location: Freeport, NY
Project No.:

Client: NYSDEC
Drill Date: 5/16/2006

WELL CONSTRUCTON DETAIL



NOT TO SCALE

Construction Notes:

Inspector: Dan Simpson
Drilling Contractor: ADT
Well Type: CMT

Static Water Level (ft bgs):
Measuring Point: Grade
Total Depth of Well

Drilling Method- Overburden:

Type: HSA Diameter: 3"
Casing:

Sampling Method - Overburden:

Type: Diameter:
Weight: Fall:
Interval:

Riser Pipe:

Material: PVC Diameter: 1"
Length: 105' Joint Type: N/A

Screen:

Material: Mesh Diameter: 1"
Length: 6" Joint Type: N/A
Slot Size: Intervals: 105',65',40'

Filter Pack:

Type: Collapse Grade:
Interval: 105'"-2'

Seal (s):

Type: Cement Interval: 2'-0
Type: Interval:
Type: Interval:

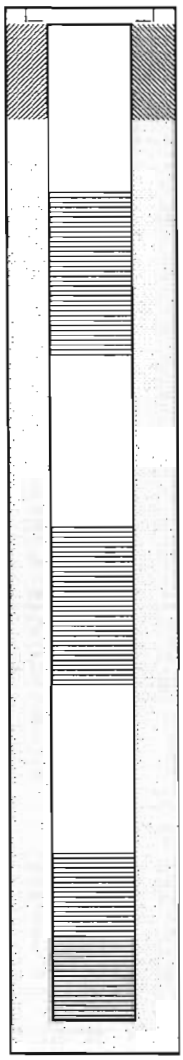
Well Completion Log

Well ID: CMT-4

Project: Jimmy's Cleaners
Location: Freeport, NY
Project No.:

Client: NYSDEC
Drill Date: 5/18/2006

WELL CONSTRUCTON DETAIL



Screen:
Filter:
Seal:

NOT TO SCALE

Construction Notes:

Inspector: Dan Simpson
Drilling Contractor: ADT
Well Type: CMT

Static Water Level (ft bgs):
Measuring Point: Grade
Total Depth of Well

Drilling Method- Overburden:

Type: HSA Diameter: 3"
Casing:

Sampling Method - Overburden:

Type: Diameter:
Weight: Fall:
Interval:

Riser Pipe:

Material: PVC Diameter: 1"
Length: 95' Joint Type: N/A

Screen:

Material: Mesh Diameter: 1"
Length: 6" Joint Type: N/A
Slot Size: Intervals: 95',55',30'

Filter Pack:

Type: Collapse Grade:
Interval: 95'-2'

Seal (s):

Type: Cement Interval: 2'-0
Type: Interval:
Type: Interval:

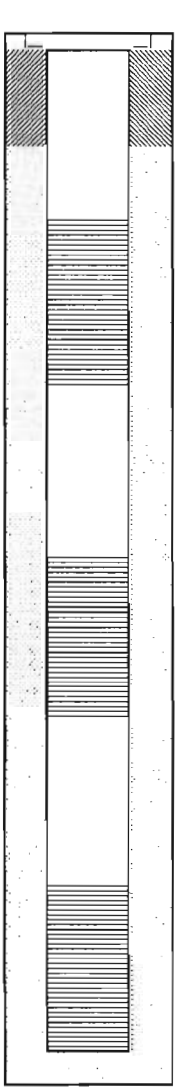
Well Completion Log

Well ID: CMT-5

Project: Jimmy's Cleaners
Location: Freeport, NY
Project No.:

Client: NYSDEC
Drill Date: 5/15/2006

WELL CONSTRUCTON DETAIL



NOT TO SCALE

Construction Notes:

Inspector: Dan Simpson
Drilling Contractor: ADT
Well Type: CMT

Static Water Level (ft bgs):
Measuring Point: Grade
Total Depth of Well

Drilling Method- Overburden:

Type: Direct Push Diameter: 2"
Casing:

Sampling Method - Overburden:

Type: Diameter:
Weight: Fall:
Interval:

Riser Pipe:

Material: PVC Diameter: 1"
Length: 83'3" Joint Type: N/A

Screen:

Material: Mesh Diameter: 1"
Length: 6" Joint Type: N/A
Slot Size: Intervals: 83'3",53'3",28'3"

Filter Pack:

Type: Collapse Grade:
Interval: 83'3"-1'3"

Seal (s):

Type: Cement Interval: 1'3"-0
Type: Interval:
Type: Interval:

APPENDIX D

Chain of Custody Records for CMT and Monitoring Wells Sampling

MITKEM CORPORATION

175 Metro Center Boulevard
Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

REPORT TO		INVOICE TO		
COMPANY O'Brien + Gere	PHONE	COMPANY SAME	PHONE	LAB PROJECT #: E0819
NAME Marc Dent	FAX	NAME	FAX	
ADDRESS 5000 Brittonfield Pkwy		ADDRESS		TURNAROUND TIME: STD
CITY/ST/ZIP E. Syracuse, NY 13221		CITY/ST/ZIP		

CLIENT PROJECT NAME:	CLIENT PROJECT #:	CLIENT P.O.#:

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	VOC	COMMENTS
Jimmy's X-1	6/15/06 1440		X	X			01	2	X	
TB-1	6/15/06 1114		X	X			02	2	X	
PZ-3	6/15/06 1539		X	X			03	2	X	
PZ-2	6/15/06 1440		X	X			04	2	X	
ITDGW-26	6/15/06 1410		X	X			05	2	X	
ITMW-1D	6/15/06 1240		X	X			06	2	X	
ITMW-1S	6/15/06 1111		X	X			07	2	X	
ITMW-3D	6/14/06 1430		X	X			08	2	X	
ITMW-3S	6/14/06 1310		X	X			09	2	X	
	/									
	/									
	/									

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
		/		/		4°C
0007	[signature]	6/15/06 1655	Fed Ex Bill # 855380935 8509	6/15/06 1655		
		/	Dennis DeConte	6/16/06 9:00		

WHITE: LABORATORY COPY YELLOW: REPORT COPY PINK: CLIENT'S COPY

MITKEM CORPORATION
175 Metro Center Boulevard
Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

REPORT TO		INVOICE TO		
COMPANY O'BRIEN AND GERE	PHONE	COMPANY SAME	PHONE	LAB PROJECT #: E08F E08526 DKD 6/19
NAME MARC DENT	FAX	NAME	FAX	
ADDRESS 5000 BRITTONFIELD PKWY		ADDRESS		TURNAROUND TIME: STD
CITY/ST/ZIP E. SYRACUSE, NY 13221		CITY/ST/ZIP		

CLIENT PROJECT NAME:	CLIENT PROJECT #:	CLIENT P.O.#:

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	REQUESTED ANALYSES: VOC	COMMENTS
Jimmy's IIMW-4	6/16/06 1310		X	X			04 10	2	X	
IIMW-4S	6/16/06 1359		X	X			02 11	2	X	
IIMW-2D	6/16/06 1125		X	X			08 12	2	X	
IIMW-2S	6/16/06 1005		X	X			04 13	2	X	
EQ-1	6/16/06 1420		X	X			05 14	2	X	
TB2	6/16/06 1320		X	X			DKD 6/19/06 06 15	2	X	
IIMW-2S MS	6/16/06 1005		X	X			04 13	2	X	
IIMW-2S MSD	6/16/06 1005		X	X			04 13	2	X	
	/									
	/									
	/									
	/									

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
		/		/		
8000	Mark Mild	6/16/06 1557	Fedex Bill # 855389357260	6/16/06 1557		1°C
		/	Kingsley Jing	6/17/06 9:20		

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175 Metro Center Boulevard
Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

REPORT TO		INVOICE TO		
COMPANY OBRIEN + GERE	PHONE	COMPANY SAME	PHONE	LAB PROJECT #: E0836
NAME Marc Dent	FAX	NAME	FAX	
ADDRESS 5000 Brittonfield PKwy		ADDRESS		TURNAROUND TIME: STD
CITY/ST/ZIP E. Syracuse, NY 13221		CITY/ST/ZIP		

CLIENT PROJECT NAME: | CLIENT PROJECT #: | CLIENT P.O.#:

REQUESTED ANALYSES: VOC

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	VOC										COMMENTS
Jimmy's PZ-1	6/19/06 1000		X	X			01	2	X										
CMT-5(3)	6/19/06 1530		X	X			02	2	X										
CMT-5(2)	6/19/06 1405		X	X			03	2	X										
CMT-5(4)	6/19/06 1320		X	X			04	2	X										
ITDEW-1	6/19/06 1100		X	X			05	2	X										
TB-3	6/19/06 1530		X	X			06	2	X										
	/																		
	/																		
	/																		
	/																		
	/																		
	/																		

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP: 2°C
		/		/		
	[signature]	6/19/06 1713	FedEx Bill # 8553 8935 7281	6/19/06 1713		
		/	Derick DeConti [signature]	6/20/06 /		

0007

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175 Metro Center Boulevard
Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

REPORT-TO		INVOICE TO		
COMPANY O'BRIEN & GERE	PHONE	COMPANY SAME	PHONE	LAB PROJECT #: E0836
NAME Marc Dent	FAX	NAME	FAX	
ADDRESS 5000 Brittonfield PKwy		ADDRESS		TURNAROUND TIME: STD
CITY/ST/ZIP E. Syracuse, NY 13221		CITY/ST/ZIP		

CLIENT PROJECT NAME: Jimmy's Dry Cleaner

CLIENT PROJECT #:

CLIENT P.O.#:

REQUESTED ANALYSES

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	VOC	COMMENTS
Jimmy's CMT-3(3)	6/20/06 1300		X	X			07	2	XX	
CMT-3(2)	6/20/06 1320		X	X			08	2	XX	
CMT-3(1)	6/20/06 1135		X	X			09	2	XX	
CMT-2(1)	6/20/06 0900		X	X			10	2	XX	
TB-4	6/20/06 0900		X	X			11	2	XX	
CMT-2(2)	6/20/06 1015		X	X			12	2	XX	
CMT-2(3)	6/20/06 1040		X	X			13	2	XX	
CMT-4(3)	6/21/06 1230		X	X			14	2	XX	
CMT-4(1)	6/21/06 1145		X	X			15	2	XX	
CMT-4(2)	6/21/06 1100		X	X			16	2	XX	
CMT-1(1)	6/21/06 0900		X	X			17	2	XX	
CMT-1(3)	6/21/06 1030		X	X			18	2	XX	

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
		/		/		3°C
8000		6/21/06 1520	FEDEX Bill # 855389357307	6/22/06 1520		
		/	Derrick LeConte	6/22/06 8:40		

WHITE: LABORATORY COPY YELLOW: REPORT COPY PINK: CLIENT'S COPY

MITKEM CORPORATION

175 Metro Center Boulevard
Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

REPORT TO			INVOICE TO		
COMPANY O'BRIEN & GERE	PHONE		COMPANY SAME	PHONE	LAB PROJECT #: E0836
NAME MARC DENT	FAX		NAME	FAX	
ADDRESS 5000 BRITTONFIELD PKWY			ADDRESS		TURNAROUND TIME: STD
CITY/ST/ZIP E. SYRACUSE, NY 13221			CITY/ST/ZIP		

CLIENT PROJECT NAME: Jimmy's Dry Cleaner

CLIENT PROJECT #:

CLIENT P.O.#:

REQUESTED ANALYSES

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	X VOC	COMMENTS
Jimmy's CMT-(2)	6/21/06 0930		X	X			19	2	X	
	/									
	/									
	/									
	/									
	/									
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	/									
	/									
	/									
	/									

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
		/		/		3°C
	Mark Dent	6/21/06 1520	FEDEX Bill #855389357307	6/21/06 1520		
6000		/	Derrick DeLonta	6/22/06 8:40		

WHITE: LABORATORY COPY YELLOW: REPORT COPY PINK: CLIENT'S COPY

APPENDIX E

Chain of Custody Records for Soil Vapor Sampling

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. K2639

COC Number 059005

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: O'BRIEN & GERE ENGINEERS
ADDRESS: 5000 BRITTONFIELD PARKWAY
CITY: SYRACUSE STATE: NY ZIP: 13221
ATTENTION: MARC DENT
PHONE: (315) 437-6100 FAX: (315) 463-7554

CLIENT PROJECT INFORMATION

PROJECT NAME: JIMMY'S DRY CLEANERS
PROJECT NO.: 36951 LOCATION: ROOSEVELT, NY
PROJECT MANAGER: MARC DENT
e-mail:
PHONE: (315) 437-6100 FAX: (315) 463-7554

CLIENT BILLING INFORMATION

BILL TO: O'BRIEN & GERE PO#: 36951
ADDRESS: 5000 BRITTONFIELD PARKWAY
CITY: SYRACUSE STATE: NY ZIP: 13221
ATTENTION: MARC DENT PHONE: (315) 437-6100

DATA TURNAROUND INFORMATION

FAX: _____ DAYS *
HARD COPY: _____ DAYS *
EDD: _____ DAYS *
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☐ EDD FORMAT _____

ANALYSIS

1	2	3	4	5	6	7	8	9
TO-15		START TIME		BEGIN PRESSURE		END TIME		END PRESSURE

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1. 10757	Corner Taylor/Nassau	AIR		X	5/9/06	1256	1	X		0922		28		1256		3	
2. 10111	32 Taylor	AIR		X	5/9/06	1241	1	X		0935		30		1241		1	
3. 10653	59 Taylor	AIR		X	5/9/06	1303	1	X		0948		29.5		1303		2.5	
4. 10758	9 Dutchess	AIR		X	5/9/06	1311	1	X		1025		27.5		1311		3	
5. 10763	Rx Drug Store	AIR		X	5/9/06	1349	1	X		1026		29		1349		2	
6. 10434	25 Davis	AIR		X	5/9/06	1435	1	X		1030		30		1435		1	
7. 10438	KFC	AIR		X	5/9/06	1218	1	X		1032		29		1218		0	
8. 10417	29 Queen	AIR		X	5/9/06	1352	1	X		1035		31		1352		1	
9. 10759	51 Queen	AIR		X	5/9/06	1354	1	X		1037		30+		1354		2.5	
10. 10760	48 Dutchess	AIR		X	5/9/06	1438	1	X		1041		29.5		1438		.5	

COMMENTS ← Specify Preservatives: A – HCl, B – HNO_3, C – H_2SO_4, D – NaOH, E – ICE, F – Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Edwin B Rahn	5/11/06 1400	1. Terry German
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY:	DATE/TIME:	RECEIVED FOR LAB BY:
3. UPS	5/12/06 11:35	3. Pamela Barra

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 14°C
Ice In Cooler?: NO

Page 1 of 4

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☒ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

Revision 4/2005

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. X2639

COC Number 059006 5197

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: O'BRIEN & GERE ENGINEERS
ADDRESS: 5000 BRITTONFIELD PARKWAY
CITY: SYRACUSE STATE: NY ZIP: 13221
ATTENTION: MARC DENT
PHONE: (315)437-6100 FAX: (315)463-7554

CLIENT PROJECT INFORMATION

PROJECT NAME: JIMMY'S DRY CLEANERS
PROJECT NO.: 36951 LOCATION: ROOSEVELT, NY
PROJECT MANAGER: MARC DENT
e-mail:
PHONE: (315)437-6100 FAX: (315)463-7554

CLIENT BILLING INFORMATION

BILL TO: O'BRIEN & GERE PO#: 36951
ADDRESS: 5000 BRITTONFIEL PARKWAY
CITY: SYRACUSE STATE: NY ZIP: 13221
ATTENTION: MARC DENT PHONE: (315)437-6100

DATA TURNAROUND INFORMATION

FAX: _____ DAYS *
HARD COPY: _____ DAYS *
EDD: _____ DAYS *
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☐ EDD FORMAT _____

ANALYSIS

1	2	3	4	5	6	7	8	9
TO-15		START TIME		BEGIN PRESSURE		END TIME		END PRESSURE

PRESERVATIVES

1	2	3	4	5	6	7	8	9

COMMENTS

← Specify Preservatives
A – HCl B – HNO_3
C – H_2SO_4 D – NaOH
E – ICE F – Other

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9
1. 10140	34 Dutchess	AIR		X	5/9/06	1357	1	X		1043		28.5		1357		1
2. 10423	68 Agnes	AIR		X	5/10/06	1220	1	X		0900		30		1220		1
3. 10413	27 Mt. Joy	AIR		X	5/10/06	1224	1	X		0924		28		1224		1.5
4. 10427	48 Prince	AIR		X	5/10/06	1230	1	X		0937		30		1230		3
5. 10418	Steven's Service	AIR		X	5/10/06	1253	1	X		0941		29.5		1253		4.5
6. 10762	24 High	AIR		X	5/10/06	1235	1	X		0944		27		1235		2.5
7. 10115	8 Evans	AIR		X	5/10/06	1237	1	X		0951		29		1237		4
8. 10131	22 Agnes	AIR		X	5/10/06	1239	1	X		0953		27		1239		0
9. 10719	46 Agnes	AIR		X	5/10/06	1242	1	X		0957		20		1242		.5
10. 10720	Subway	AIR		X	5/10/06	1244	1	X		1002		28		1244		3

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

	DATE/TIME		
RELINQUISHED BY SAMPLER: 1. Edwin B Rahn	5/11/06 1400	RECEIVED BY: 1. Tammy Thomas	
RELINQUISHED BY: 2.	DATE/TIME:	RECEIVED BY: 2.	
RELINQUISHED BY: 3. UPS	DATE/TIME: 5/12/06 11:35	RECEIVED FOR LAB BY: 3. Tammy Thomas	

Conditions of bottles or coolers at receipt: ☑ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 14°C
Ice in Cooler?: NO

Page 2 of 4

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☑ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☑ YES ☐ NO

Revision 4/2005

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. X2762

COC Number 059007

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: O'BRIEN & GERE ENGINEERS
ADDRESS: 5000 BRITTONFIELD PARKWAY
CITY: SYRACUSE STATE: NY ZIP: 13221
ATTENTION: MARC DENT
PHONE (315) 437-6100 FAX: (315) 463-7554

CLIENT PROJECT INFORMATION

PROJECT NAME: JIMMY'S DRY CLEANERS
PROJECT NO.: 36951 LOCATION: ROOSEVELT, NY
PROJECT MANAGER: MARC DENT
e-mail:
PHONE: (315) 437-6100 FAX: (315) 463-7554

CLIENT BILLING INFORMATION

BILL TO: O'BRIEN & GERE PO#: 36951
ADDRESS: 5000 BRITTONFIELD PARKWAY
CITY: SYRACUSE STATE: NY ZIP: 13221
ATTENTION: MARC DENT PHONE: (315) 437-6100

DATA TURNAROUND INFORMATION

FAX: _____ DAYS *
HARD COPY: _____ DAYS *
EDD: _____ DAYS *
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☐ EDD FORMAT _____

ANALYSIS

1	2	3	4	5	6	7	8	9
TO-15		START TIME		BEGIN PRESSURE		END TIME		END PRESSURE

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1. 10722	333 No. Main	AIR		X	5/10/06	1246	1	X		1006		29		1246		3	
2. 10721	27 Craig	AIR		X	5/10/06	1256	1	X		1026		30+		1256		5.5	
3. 10738	Field Duplicate 1	AIR		X	5/10/06		1	X				30				2.5	
4. 10741	49 Craig	AIR		X	5/11/06	1129	1	X		0839		28.5		1129		3	
5. 10038	17 Claurome	AIR		X	5/11/06	1139	1	X		0847		30+		1139		4	
6. 10761	4 Prospect	AIR		X	5/11/06	1136	1	X		0855		29.5		1136		2.5	
7. 10654	4 Ocean	AIR		X	5/11/06	1006	1	X		0900		30+		1006		1	
8. 10716	11 Seaman	AIR		X	5/11/06	1154	1	X		0926		26.5		1154		4	
9. 10736	25 Seaman	AIR		X	5/11/06	1152	1	X		0914		27.5		1152		4	
10. 10740	235 Seaman	AIR		X	5/11/06	1158	1	X		0928		28		1158		3	

← Specify Preservatives
A – HCl B – HNO_3
C – H_2SO_4 D – NaOH
E – ICE F – Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

	DATE/TIME	RECEIVED BY
RELINQUISHED BY SAMPLER: 1. Edwin B Rahn	5/11/06 1400	1.
RELINQUISHED BY: 2.	DATE/TIME:	RECEIVED BY: 2.
RELINQUISHED BY: 3. UPS	DATE/TIME 11.35 5/12/06	RECEIVED FOR LAB BY: 3.

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 14°C
Ice in Cooler?: No

Page 3 of 4

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☒ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

Revision 4/2005

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. X2762 3/A 5/12/06

COC Number 059015

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: O'BRIEN & GERE ENGINEERS
ADDRESS: 5000 BRITTONFIELD PARKWAY
CITY: SYRACUSE STATE: NY ZIP: 13221
ATTENTION: MARC DENT
PHONE: (315) 437-6100 FAX: (315) 463-7554

CLIENT PROJECT INFORMATION

PROJECT NAME: JIMMY'S DRY CLEANERS
PROJECT NO.: 36951 LOCATION: Roosevelt, NY
PROJECT MANAGER: MARC DENT
e-mail:
PHONE: (315) 437-6100 FAX: (315) 463-7554

CLIENT BILLING INFORMATION

BILL TO: O'BRIEN & GERE PO#: 36951
ADDRESS: 5000 BRITTONFIELD PARKWAY
CITY: SYRACUSE STATE: NY ZIP: 13221
ATTENTION: MARC DENT PHONE: (315) 487-6100

DATA TURNAROUND INFORMATION

FAX: _____ DAYS *
HARD COPY: _____ DAYS *
EDD: _____ DAYS *
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☐ EDD FORMAT _____

ANALYSIS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1 TO-15	2	3 START TIME	4	5 BEGIN PRESSURE	6	7 END TIME	8	9 END PRESSURE	COMMENTS
1. 10728	27 W. Lincoln	AIR		X	5/11/06	1203	1	X		0936		29.5		1203		4	
2. 10415	212 N. Ocean	AIR		X	5/11/06	1244	1	X		0945		29		1244		3	
3. 10134	215 N. Ocean	AIR		X	5/11/06	1310	1	X		0949		30		1310		3.5	
4. 10144	205 N. Ocean	AIR		X	5/11/06	1313	1	X		0954		30		1313		3.5	
5. 10727	Field Duplicate 2	AIR		X	5/11/06		1	X				29				2.5	
6.																	
7.																	
8.																	
9.																	
10.																	

PRESERVATIVES

COMMENTS: ← Specify Preservatives
A – HCl B – HNO_3
C – H_2SO_4 D – NaOH
E – ICE F – Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

	DATE/TIME	RECEIVED BY
1. RELINQUISHED BY SAMPLER: Edwin Rahn	5/11/06 1400	1.
2. RELINQUISHED BY:	DATE/TIME:	2.
3. RELINQUISHED BY: UPS	DATE/TIME: 11:30 5/12/06	3. RECEIVED FOR LAB BY:

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 14°C
Ice in Cooler?: No

Page 4 of 4

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☒ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

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Revision 4/2005

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. X2785

COC Number 059017

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: O'BRIEN & GERE ENGINEERS
ADDRESS: 5000 BRITTONFIELD PARKWAY
CITY: SYRACUSE STATE: NY ZIP: 13221
ATTENTION: MARC DENT
PHONE: (315) 437-6100 FAX: (315) 463-7554

CLIENT PROJECT INFORMATION

PROJECT NAME: JIMMY'S DRY CLEANERS
PROJECT NO.: 36951 LOCATION: ROOSEVELT, NY
PROJECT MANAGER: MARC DENT
e-mail:
PHONE: (315) 437-6100 FAX: (315) 463-7554

CLIENT BILLING INFORMATION

BILL TO: O'BRIEN & GERE PO#: 36951
ADDRESS: 5000 BRITTONFIELD PARKWAY
CITY: SYRACUSE STATE: NY ZIP: 13221
ATTENTION: MARC DENT PHONE: (315) 437-6100

DATA TURNAROUND INFORMATION

FAX: _____ DAYS *
HARD COPY: _____ DAYS *
EDD: _____ DAYS *
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☐ EDD FORMAT _____

ANALYSIS

1	2	3	4	5	6	7	8	9
TO-15		START TIME		BEGIN PRESSURE		END TIME		END PRESSURE

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1. 10144	205 N. Ocean	AIR		X	5/11/06	1313	1	X		0954		30		1313		3.5	On Previous COC
2. 10112	384 N. Main	AIR		X	5/12/06	1049	1	X		0802		28		1049		3.5	
3. 10039	15 Woodside	AIR		X	5/12/06	1053	1	X		0808		30		1053		3.5	
4. 10117	442 N. Main	AIR		X	5/12/06	1057	1	X		0813		29.5		1057		4	
5. 10731	Nassau County Lot	AIR		X	5/12/06	1100	1	X		0819		27.5		1100		3	
6. 10046	66 N. Main	AIR		X	5/12/06	1105	1	X		0826		28.5		1105		2.5	
7. 10136	Landscaping	AIR		X	5/12/06	1042	1	X		0833		29.5		1042		3.5	
8. 10428	Jimmy's	AIR		X	5/12/06	1108	1	X		0838		29		1108		4.5	
9.																	
10.																	

PRESERVATIVES — COMMENTS: ← Specify Preservatives
A – HCl B – HNO_3 C – H_2SO_4 D – NaOH E – ICE F – Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Edwin B Rohn	5/12/06 1130	1.
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY:	DATE/TIME: 1125	RECEIVED FOR LAB BY:
3. UPS	5/15/06	3. JIM MUNSO

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 17 °C
Ice in Cooler?: NO
Received in Box 2A

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☒ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

Revision 4/2005

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

APPENDIX F

Chain of Custody Records for Soil Vapor Resampling

60338

WBE

Princeton Analytical

Air Analyses & Consulting
47 Maple Avenue
Flemington, NJ 08822

(908) 806-2620
Fax (908) 806-2409
Email princetonlab@blast.net

Request For Canister Analysis

Company Name: O'BRIEN & GERE ENG. | Address: 5000 BRITTONFIELD PKWY, SYRACUSE NY 13221
Project #: 36951 | Site: NYSDEC - JIMMY'S DRY CLEANERS
Sampled By: ED RAHN

Due Date
☐ Standard Turn-Around Time
☑ **Rush*** – Date: 6/16/06 Time: AM
*Advance Notification Required. See Fee Schedule for Surcharges or Earlier

Outgoing (PAL) Canister Seal Intact? ☐ Yes ☐ No
Method: ☑ TO-15 (standard compounds)
☐ Other (please explain)
☐ Library Search ☐ Data Package

☑ Fax Results To: MARC DENT
Fax #: (315) 463-7554
☐ Phone Results To:
Phone #:

Atmospheric Pressure: 30" Rising Temperature: 70°-82°
***Note:** Atm Press and Temp required by some state agencies incl. NJDEP.

	Sample Identification	Can No.	Flow Cont. No	Can Size	Start Time/Date	Stop Time/Date	Canister Start Press.	Canister Stop Press.	Sample Type (Please ✔ One Box)	
-01	SV-4	1067	129904	1L	0932 6/13/06	1144 6/13/06	30+	4	☑ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient	-2
-02	SV-8	1074	142061	1L	0935	1120	29.5	1.5	☑ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient	-3
-03	SV-9	1402	133307	1L	0937	1150	30+	3	☑ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient	-4
-04	SV-14	1199	134001	1L	0939	1157	30+	3.5	☑ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient	-5
-05	SV-40	1073	139042	1L	0942	1204	30	2	☑ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient	-6
-06	SV-22	1072	133799	1L	0956	1212	29	0	☑ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient	-7

Chain of Custody	Print	Signature	Date & Time
Relinquished By:	Edwin B. Rahn	Edwin B Rahn	6/13/06
Received By Lab:			6/14/06

Samples Received After 3 PM will be considered As Next Business Day
Please use appropriate care with PAL sampling equipment when sampling and packing for shipment. The **client is responsible for all damage** incurred to PAL equipment. Please notify Princeton Analytical Laboratory if equipment is damaged upon receipt.

Invoice To: ☑ Above Address ☐ Address Below **PO Number:** 36951
Send Invoice To: MARC DENT

PAL USE ONLY

Internal COC	Signature	Time/Date
Relinquished By:		
Rec. By-GC/MS Lab:		

PAL #: 60338
Incoming Custody Seals? ☐ Yes ☐ No
Comments:

WBE

Princeton Analytical

Air Analyses & Consulting
47 Maple Avenue
Flemington, NJ 08822

(908) 806-2620
Fax (908) 806-2409
Email princetonlab@blast.net

Request For Canister Analysis

Company Name: O'BRIEN & GERE ENG. | Address: 5080 BRITTONFIELD PKWY, SYRACUSE NY 13221
Project #: 36951 | Site: NYSDEC - JIMMY'S DRY CLEANERS
Sampled By: ED RAHN

Due Date
☐ Standard Turn-Around Time
☑ **Rush*** – Date: 6/10/06 Time: AM or Earlier
*Advance Notification Required. See Fee Schedule for Surcharges

Outgoing (PAL) Canister Seal Intact? ☐ Yes ☐ No
Method: ☑ TO-15 (standard compounds)
☐ Other (please explain)
☐ Library Search ☐ Data Package

☐ Fax Results To: MARC DENT ☐ Phone Results To:
Fax #: (315) 463-7554 Phone #:

Atmospheric Pressure: 30" Rising Temperature: 70°-82°
***Note:** Atm Press and Temp required by some state agencies incl. NJDEP.

Sample Identification	Can No.	Flow Cont. No	Can Size	Start Time/Date	Stop Time/Date	Canister Start Press.	Canister Stop Press.	Sample Type (Please ✔ One Box)
-07 SV-25	1071	138210	1L	1009 6/13/06	1218 6/13/06	30+	3	☑ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient -3
08 SV-28	1399	138211	1L	1021	1225	30	3	☑ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient -3
09 SV-30	1069	123656	1L	1032	1232	30	1.5	☑ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient -3
								☐ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient
								☐ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient
								☐ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient

Chain of Custody	Print	Signature	Date & Time
Relinquished By:	Edwin B. Rahn	Edwin B. Rahn	6/13/06
Received By Lab:			6/14/06 10:00

Samples Received After 3 PM will be considered As Next Business Day
Please use appropriate care with PAL sampling equipment when sampling and packing for shipment. The **client is responsible for all damage** incurred to PAL equipment. Please notify Princeton Analytical Laboratory if equipment is damaged upon receipt.

Invoice To: ☑ Above Address ☐ Address Below **PO Number:** 36951
Send Invoice To: MARC DENT

PAL USE ONLY

Internal COC	Signature	Time/Date
Relinquished By:		
Rec. By-GC/MS Lab:		

PAL #: 60338
Incoming Custody Seals? ☐ Yes ☐ No
Comments:

60378

WBE

Princeton Analytical

Air Analyses & Consulting
47 Maple Avenue
Flemington, NJ 08822

(908) 806-2620
Fax (908) 806-2409
Email princetonlab@blast.net

Request For Canister Analysis

Company Name: O'BRIEN & GERE ENG. | Address: 5000 BRITTONFIELD PKWY, SYRACUSE, NY 13221
Project #: 36951 | Site: NYSDEC - JIMMY'S DRY CLEANERS
Sampled By: ED RAHN / CHRIS FINKE

Due Date
☐ Standard Turn-Around Time
☑ **Rush*** – Date: 7/6/06 Time:-
*Advance Notification Required. See Fee Schedule for Surcharges

Outgoing (PAL) Canister Seal Intact? ☐ Yes ☐ No
Method: ☑ TO-15 (standard compounds)
☐ Other (please explain)
☐ Library Search ☐ Data Package

☑ Fax Results To: MARC DENT
Fax #: (315) 463-7554
☐ Phone Results To:
Phone #:

Atmospheric Pressure: Temperature:
***Note:** Atm Press and Temp required by some state agencies incl. NJDEP.

	Sample Identification	Can No.	Flow Cont. No	Can Size	Start Time/Date	Stop Time/Date	Canister Start Press.	Canister Stop Press.	Sample Type (Please ✔ One Box)
01	SV-4A	1068	138210	1L	1537/6/28/06	1733/6/28/06	<-30	-2	☑ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient
02	4A Ambient	1404	131424	1L	1537/6/28/06	1733/6/28/06	<-30	-3	☐ Soil Gas ☐ Indoor ☐ Land Fill ☑ Ambient
03	SV-25A	1401	129904	1L	1008/6/29/06	1220/6/29/06	<-30	-5.3	☑ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient
04	25A Ambient-S	1073	142253	1L	1009/6/29/06	1218/6/29/06	-29.5	-2.3	☐ Soil Gas ☐ Indoor ☐ Land Fill ☑ Ambient
05	25A Ambient-N	1403	142250	1L	1010/6/29/06	1219/6/29/06	-27.7	-1	☐ Soil Gas ☐ Indoor ☐ Land Fill ☑ Ambient
06	25A Ambient	1199	130676	1L	1008/6/29/06	1219/6/29/06	<-30	-1.3	☐ Soil Gas ☐ Indoor ☐ Land Fill ☑ Ambient

Chain of Custody	Print	Signature	Date & Time
Relinquished By:	Edwin Rahn	Edwin Rahn	6/29/06
Received By Lab:	JEFF SMITH		6/30/06

Samples Received After 3 PM will be considered As Next Business Day
Please use appropriate care with PAL sampling equipment when sampling and packing for shipment. The **client is responsible for all damage** incurred to PAL equipment. Please notify Princeton Analytical Laboratory if equipment is damaged upon receipt.

Invoice To: ☑ Above Address ☐ Address Below | **PO Number:** 36951
Send Invoice To: MARC DENT

PAL USE ONLY

Internal COC	Signature	Time/Date
Relinquished By:		
Rec. By-GC/MS Lab:		

PAL #: 60378
Incoming Custody Seals? ☐ Yes ☐ No
Comments:

60378

2 of 2

Princeton Analytical

Air Analyses & Consulting
47 Maple Avenue
Flemington, NJ 08822

(908) 806-2620
Fax (908) 806-2409
Email princetonlab@blast.net

Request For Canister Analysis

Company Name: O'BRIEN & GERE ENG	Address: 5000 BRITTONFIELD PKWY, SYRACUSE, NY 13221
Project #: 36951	Site: NYSDEC JIMMY'S DRY CLEANERS
Sampled By: ED RAHN / CHRIS FINKE	

Due Date

☐ Standard Turn-Around Time

☑ **Rush*** – Date: 7/6/06 Time:

*Advance Notification Required. See Fee Schedule for Surcharges

Outgoing (PAL) Canister Seal Intact? ☐ Yes ☐ No

Method: ☑ TO-15 (standard compounds)
☐ Other (please explain)

☐ Library Search ☐ Data Package

☑ Fax Results To: MARC DENT ☐ Phone Results To:
Fax #: (315) 463-7554 Phone #:

Atmospheric Pressure: Temperature:
***Note:** Atm Press and Temp required by some state agencies incl. NJDEP.

	Sample Identification	Can No.	Flow Cont. No	Can Size	Start Time/Date	Stop Time/Date	Canister Start Press.	Canister Stop Press.	Sample Type (Please ✔ One Box)
07	SV-22A	1402	129904	1L	1020/6/29/06	1220/6/29/06	-30	-3	☑ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient
08	SV-40A	1069	143064	1L	1026/6/29/06	1226/6/29/06	-29.5	-2	☑ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient
09	TRIP BLANK	1066		1L					☐ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient
									☐ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient
									☐ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient
									☐ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient

Chain of Custody	Print	Signature	Date & Time
Relinquished By:	Edwin Rahn	Edwin Rahn	6/29/06
Received By Lab:	JEFF SCHMIT		6-30-06

Samples Received After 3 PM will be considered As Next Business Day

Please use appropriate care with PAL sampling equipment when sampling and packing for shipment. The **client is responsible for all damage** incurred to PAL equipment. Please notify Princeton Analytical Laboratory if equipment is damaged upon receipt.

Invoice To: ☑ Above Address ☐ Address Below **PO Number:** 36951

Send Invoice To: MARC DENT

PAL USE ONLY

Internal COC	Signature	Time/Date
Relinquished By:		
Rec. By-GC/MS Lab:		

PAL #: 60378
Incoming Custody Seals? ☐ Yes ☐ No
Comments:

APPENDIX G

Chain of Custody Records for Additional Soil Vapor Sampling

File 10653/36951 #4

WBE

Princeton Analytical

Air Analyses & Consulting
47 Maple Avenue
Flemington, NJ 08822

(908) 806-2620
Fax (908) 806-2409
Email princetonlab@blast.net

Request For Canister Analysis

Company Name: O'Brien & Gere Eng. | Address: 5000 Brittonfield Pkwy. Syracuse, NY. 13221
Project #: 36951 | Site: Jimmy's Dry Cleaners
Sampled By: Ed Rahn / Nick Wobbrock | Date: 8/22/06

Due Date

☑ Standard Turn-Around Time

☐ **Rush*** – Date: Time:

*Advance Notification Required. See Fee Schedule for Surcharges

Analysis

Parameter:
Method: TO-15
Expected Interferences:

☑ Fax Results To: Marc Dent
Fax #: 315-463-7554

☐ Phone Results To:
Phone #: 315 437-6100

~~No.~~ Date	Sample Identification	Can Number	Can Size	Start Time	Stop Time	Start Pressure	Stop Pressure	Sample Type (Please Check One Box)	
6 8/21/06	SV-41	1406	1L	1342	1542	<-30	-3.5	☑ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient	-3
7 8/21/06	SV-42	1408	1L	1402	1602	-30	-3.8	☑ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient	-4
8 8/21/06	SV-43	1400	1L	1427	1627	<-30	-4	☑ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient	-4
9 8/21/06	SV-44	1410	1L	1438	1638	<-30	-4	☑ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient	-4
10 8/21/06	SV-45	1404	1L	1451	1651	-30	-3.5	☑ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient	-4
11 8/22/06	SV-47	1399	1L	1235	1435	-28.7	-4	☑ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient	-4
12 8/22/06	SV-48	1409	1L	1252	1452	<-30	-4	☑ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient	-3
								☐ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient	

Chain of Custody	Print	Signature	Date & Time
Relinquished By:	Edwin B Rahn	Edwin B Rahn	8/22/06 UPS
Received By Lab:			8/23/06 9:30

Samples Received After 3 PM will be considered As Next Business Day

Please use appropriate care with PAL sampling equipment when sampling and packing for shipment. The **client is responsible for all damage** incurred to PAL equipment. Please notify Princeton Analytical Laboratory if equipment is damaged upon receipt.

Invoice To: ☑ Above Address ☐ Address Below

Send Invoice To: Marc Dent

PO Number 36951

For PAL Use Only

PAL Job #: 60461

WBE

Princeton Analytical

Air Analyses & Consulting
47 Maple Avenue
Flemington, NJ 08822

(908) 806-2620
Fax (908) 806-2409
Email princetonlab@blast.net

Request For Canister Analysis

Company Name: O'Brien & Gere Eng. | Address: 5000 Brittonfield Pkwy. Syracuse NY. 13221
Project #: 36951 | Site: Jimmy's Dry Cleaners
Sampled By: Ed Rahn / Nick Wobbrock | Date: 8/22/06

Due Date
☑ Standard Turn-Around Time
☐ **Rush*** – Date: Time:
*Advance Notification Required. See Fee Schedule for Surcharges

Analysis
Parameter:
Method: TO-15
Expected Interferences:

☐ Fax Results To: Marc Dent
Fax #: 315-463-7554
☐ Phone Results To:
Phone #: 315-437-6100

~~No.~~ Date	Sample Identification	Can Number	Can Size	Start Time	Stop Time	Start Pressure	Stop Pressure	Sample Type (Please Check One Box)
1 8/21/06	Ambient Upwind	2894	6L	1409	1609	<-30	-3	☐ Soil Gas ☐ Indoor ☐ Land Fill ☑ Ambient
2 8/21/06	Ambient Downwind	2155	6L	1454	1619	-30	-2	☐ Soil Gas ☐ Indoor ☐ Land Fill ☑ Ambient
3 8/22/06	Ambient Upwind	2065	6L	1306	1506	<-30	-3	☐ Soil Gas ☐ Indoor ☐ Land Fill ☑ Ambient
4 8/22/06	Ambient Downwind	001	6L	1330	1520	-30	-2	☐ Soil Gas ☐ Indoor ☐ Land Fill ☑ Ambient
5 8/22/06	TRIP BLANK	9375B	6L					☐ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient
								☐ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient
								☐ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient
								☐ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient

Chain of Custody	Print	Signature	Date & Time
Relinquished By:	Edwin B. Rahn	Edwin B. Rahn	8/22/06 UPS
Received By Lab:			8/23/06 9:30

Samples Received After 3 PM will be considered As Next Business Day

Please use appropriate care with PAL sampling equipment when sampling and packing for shipment. The **client is responsible for all damage** incurred to PAL equipment. Please notify Princeton Analytical Laboratory if equipment is damaged upon receipt.

Invoice To: ☑ Above Address ☐ Address Below
Send Invoice To: Marc Dent

PO Number 36951

For PAL Use Only
PAL Job #: 60461

60462

Princeton Analytical

Air Analyses & Consulting
47 Maple Avenue
Flemington, NJ 08822
WBE

(908) 806-2620
Fax (908) 806-2409
Email princetonlab@blast.net

Request For Canister Analysis

Company Name: O'Brien & Gere Eng.	Address: 5000 Brittonfield Pkwy, Syracuse, NY 13221		
Project #: 36951	Site: Jimmy's Dry Cleaners		
Sampled By: Ed Rahn / Nick Wobbrock	Date: 8/23/06		

Due Date

☑ Standard Turn-Around Time

☐ **Rush*** – Date: Time:

*Advance Notification Required. See Fee Schedule for Surcharges

Analysis

Parameter:

Method: TO-15

Expected Interferences:

☑ Fax Results To: Marc Dent — Fax #: 315-463-7554

☐ Phone Results To: — Phone #: 315-437-6100

~~No.~~ DATE	Sample Identification	Can Number	Can Size	Start Time	Stop Time	Start Pressure	Stop Pressure	Sample Type (Please Check One Box)	
-01 8/23/06	SV-51	1072	1L	0817	1029	<-30	-4	☑ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient	2
-02 8/23/06	SV-52	1070	1L	0826	1026	<-30	-3	☑ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient	3
-03 8/23/06	SV-53	1074	1L	0840	1107	<-30	-3	☑ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient	3
-04 8/23/06	SV-54	1411	1L	0847	1047	<-30	-1.5	☑ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient	1
-05 8/23/06	SV-55	1071	1L	0857	1059	-30	-3.5	☑ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient	2
-06 8/23/06	SV-56	1067	1L	0909	1125	<-30	-4	☑ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient	2
-07 8/23/06	Field Duplicate	1066	1L	–	–	-30		☑ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient	3
								☐ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient	

Chain of Custody	Print	Signature	Date & Time
Relinquished By:	Edwin B. Rahn	Edwin B Rahn	8/23/06 UPS
Received By Lab:	Bill Gunter	Bill Gunter	8/24/06 10:00 a.m.

Samples Received After 3 PM will be considered As Next Business Day

Please use appropriate care with PAL sampling equipment when sampling and packing for shipment. The **client is responsible for all damage** incurred to PAL equipment. Please notify Princeton Analytical Laboratory if equipment is damaged upon receipt.

Invoice To: ☑ Above Address ☐ Address Below

Send Invoice To: Marc Dent

PO Number 36951

For PAL Use Only

PAL Job #: 60462

60462

Princeton Analytical

Air Analyses & Consulting
47 Maple Avenue
Flemington, NJ 08822

WBE

(908) 806-2620
Fax (908) 806-2409
Email princetonlab@blast.net

Request For Canister Analysis

Company Name: O'BRIEN & GERE ENG.	Address: 5000 BRITTONFIELD PKWY, SYRACUSE, NY 13221
Project #: 36951	Site: JIMMY'S DRY CLEANERS
Sampled By: ED RAHN / NICK WOBBROCK	Date: 8/23/06

Due Date

☑ Standard Turn-Around Time

☐ **Rush*** – Date: Time:

*Advance Notification Required. See Fee Schedule for Surcharges

Analysis

Parameter:

Method: TO-15

Expected Interferences:

☑ Fax Results To: MARC DENT ☐ Phone Results To:
Fax #: 315-463-7554 Phone #: 315-437-6100

	~~No.~~ DATE	Sample Identification	Can Number	Can Size	Start Time	Stop Time	Start Pressure	Stop Pressure	Sample Type (Please Check One Box)
-08	8/23/06	Ambient Upwind	3038	6L	0829	1054	-30	-4.5	☐ Soil Gas ☐ Indoor ☐ Land Fill ☑ Ambient
-09	8/23/06	Ambient SV-54	3036	6L	0848	1048	<-30	-3	☐ Soil Gas ☐ Indoor ☐ Land Fill ☑ Ambient
-10	8/23/06	Ambient Downwind	2850	6L	0900	1100	<-30	-3.5	☐ Soil Gas ☐ Indoor ☐ Land Fill ☑ Ambient
-11	8/23/06	Trip Blank	3041	6L	29"	→ 0"			☐ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient
									☐ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient
									☐ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient
									☐ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient
									☐ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient

Chain of Custody	Print	Signature	Date & Time
Relinquished By:	Edwin B. Rahn	Edwin B Rahn	8/23/06 UPS
Received By Lab:	Bill Gunter	Bill G[illegible]	8/24/06 10:00am

Samples Received After 3 PM will be considered As Next Business Day

Please use appropriate care with PAL sampling equipment when sampling and packing for shipment. The **client is responsible for all damage** incurred to PAL equipment. Please notify Princeton Analytical Laboratory if equipment is damaged upon receipt.

Invoice To: ☑ Above Address ☐ Address Below

Send Invoice To: MARC DENT

PO Number 36951

For PAL Use Only

PAL Job #: 60462

WBE

Princeton Analytical

Air Analyses & Consulting
47 Maple Avenue
Flemington, NJ 08822

(908) 806-2620
Fax (908) 806-2409
Email princetonlab@blast.net

Request For Canister Analysis

Company Name: O'Brien & Gere	Address: 5000 Brittonfield Parkway, Syracuse, NY 13221
Project #: 36951	Site: Jimmy's Dry Cleaners
Sampled By: Ed Rahn/Nick Wobbrock	Date: 8/22/06

Due Date

☑ Standard Turn-Around Time

☐ **Rush*** – Date: Time:

*Advance Notification Required. See Fee Schedule for Surcharges

Analysis

Parameter:

Method: TO-15 (expanded list)

Expected Interferences:

☐ Fax Results To: Marc Dent Fax #: 315 463-7554 ☐ Phone Results To: Phone #: 315 437-6100

~~No.~~ Date	Sample Identification	Can Number	Can Size	Start Time	Stop Time	Start Pressure	Stop Pressure	Sample Type (Please Check One Box)
8/22/06	SV-46	1073	1L	1302	1502	-29.5	-4	☑ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient
8/22/06	SV-49	1199	1L	1322	1536	<-30	-4	☑ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient
8/22/06	SV-50	1407	1L	1315	1515	<-30	-3.5	☑ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient
								☐ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient
								☐ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient
								☐ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient
								☐ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient
								☐ Soil Gas ☐ Indoor ☐ Land Fill ☐ Ambient

Chain of Custody	Print	Signature	Date & Time
Relinquished By:	Nick Wobbrock	Nick Wobbrock	8/22/06 UPS
Received By Lab:			

Samples Received After 3 PM will be considered As Next Business Day

Please use appropriate care with PAL sampling equipment when sampling and packing for shipment. The **client is responsible for all damage** incurred to PAL equipment. Please notify Princeton Analytical Laboratory if equipment is damaged upon receipt.

Invoice To: ☐ Above Address ☐ Address Below

Send Invoice To: Marc Dent

PO Number 36951

For PAL Use Only

PAL Job #:

APPENDIX H

Daily Field Reports for Ground Water Resampling of CMT and Monitoring Wells

YEC, Inc.

DAILY FIELD REPORT

DATE: 2/20/2007

WEATHER: Sunny 40˚

PROJECT NAME: Jimmy's Dry Cleaner

CLIENT: O'Brien & Gere

PROJECT MANAGER: Marc Dent

PERSONNEL: Dan Simpson (YEC)

Time	Field Activities
1200	Dan onsite to drop off 6 drums for purged groundwater containment.
1230	Located all wells to be sampled (dug most of them out of the snow and ice)
1300	Dan offsite

YEC, Inc.

DAILY FIELD REPORT

DATE: 2/21/2007 WEATHER: Sunny 43°

PROJECT NAME: Jimmy's Dry Cleaner

CLIENT: O'Brien & Gere

PROJECT MANAGER: Marc Dent

PERSONNEL: Dan Simpson (YEC), Chris Burke (YEC)

Time	Field Activities
0930	Dan/Chris on site
1000	Set up on ITMW-2s
1010	YEC called Agnus at Mitkem Lab to correct missing Sulfide glassware (Samples will be split at the lab from the unperserved 500ml Nitrate, Nitrite, CL, Sulfate glassware).
1100	Began purging ITMW-2s
1120	Sampled ITMW-2s, set up on ITMW-2d
1220	Sampled ITMW-2d
1400	Set up on ITMW-3s
1420	Sampled ITMW-3s, set up on ITMW-3d
1500	Sampled ITMW-3d, set up on ITMW-4s
1545	Sampled ITMW-4s, set up on ITMW-4d
1630	Sampled ITMW-4d, began site clean up
1700	YEC offsite

YEC, Inc.

DAILY FIELD REPORT

DATE: 2/22/2007 WEATHER: Sunny 43°

PROJECT NAME: Jimmy's Dry Cleaner

CLIENT: O'Brien & Gere

PROJECT MANAGER: Marc Dent

PERSONNEL: Dan Simpson (YEC), Chris Burke (YEC)

Time	Field Activities
0930	Dan/Chris on site
1000	Set up on PZ-2
1030	Sampled PZ-2 and field duplicate X-1. Set up on PZ-3
1130	Sampled PZ-3
1200	Set up on ITDGW-26 and began purging.
1235	Sampled ITDGW-26, set up on ITMW-1s, MS/MSD taken at this location
1330	Sampled ITMW-1s, set up on ITMW-1d
1430	Sampled ITMW-1d
1500	Began site clean up, placed full drums in an approve location just inside the gate of the landscaping lot
1530	YEC offsite

YEC, Inc.

DAILY FIELD REPORT

DATE: 2/23/2007 WEATHER: Sunny 36°

PROJECT NAME: Jimmy's Dry Cleaner

CLIENT: O'Brien & Gere

PROJECT MANAGER: Marc Dent

PERSONNEL: Dan Simpson (YEC), Chris Burke (YEC)

Time	Field Activities
0830	Dan/Chris on site
0930	Set up on CMT-5 (1), and began purging
1000	Sampled CMT-5 (1), set up on CMT-5 (2)
1030	Sampled CMT-5 (2), set up on CMT-5 (3)
1100	Sampled CMT-5 (3), set up on CMT-3 (1)
1130	Began purging CMT-3 (1)
1155	Sampled CMT- 3 (1), set up on CMT-3 (2)
1225	Sampled CMT-3 (2), set up on CMT-3 (3)
1255	Sampled CMT-3 (3)
1300	Set up on PZ-1
1350	Sampled PZ-1, set up on CMT-2 (1)
1450	Sampled CMT-2 (1), set up on CMT-2 (2)
1520	Sampled CMT-2 (2), set up on CMT-2 (3)
1600	YEC off site

YEC, Inc.

DAILY FIELD REPORT

DATE: 2/26/2007

WEATHER: Overcast 33°

PROJECT NAME: Jimmy's Dry Cleaner

CLIENT: O'Brien & Gere

PROJECT MANAGER: Marc Dent

PERSONNEL: Dan Simpson (YEC), Chris Burke (YEC)

Time	Field Activities
0930	Dan/Chris on site
1000	Set up on CMT-2 (3)
1100	Sampled CMT-2 (3), set up on CMT-4 (1)
1130	Sampled CMT-4 (1), set up on CMT-4 (2)
1200	Sampled CMT-4 (2) (poor recharge, only enough water for the Microseeps samples), set up on CMT-4 (3) and allowed CMT-4 (2) to recharge. Ion Chromography/ sulfide sampled 2/28/07
1220	Sampled CMT-4 (3) (poor recharge, Ion Chromography sample taken 2/28/07)
1300	Set up on CMT-1 (1), began purging at 1330
1345	Sampled CMT-1 (1), set up on CMT-1 (2)
1410	Sampled CMT-1 (2) and X-2, set up on CMT-1 (3)
1430	Sampled CMT-1 (3)
1545	Set up on ITDGW-1, and begain purgin at 1600
1610	Sampled ITDGW-1
1630	Began site clean up, drums (4) had to be moved from near the gate to near the SVE system on pallets. • 4 purge water drums from Sampling located
1700	YEC off site inside fence near SVE system upon Dan 4/13/07

APPENDIX I

Ground Sampling Logs for CMT and Monitoring Wells

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Well No.: CMT-1(1)
Field Perosonnel: Dan Simpson / Chris Burke
Weather: Cloudy 33 | Equipment: Peri Pump

Purge Information

Date: 2/26/07 | Mea. Point: PVC ft.
Purge time: Start: 1330 | Well Dia.: 3/8 in.
Stop: 1345 | Total Depth: 34 ft.
Total Volume: .57 gal. | DTW: 9.85 ft.
Volume Purged: 1 gal. | 1 Vol.: .19 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial									
V-1							~~Brown~~	~~.33~~	~~—~~
V-2	12.9	6.93	.852	9.14	999	136	Brown	.33	—
V-3	14.3	6.89	.783	6.10	999	134	Brown	.33	—
Final									

Sampling Information

Fe +2: 0
Date Collected: 2/26/07
Time Collected: 1345
Sample ID: CMT-1(1) / MS / MSD
Method of Sampling: Peri Pump
Sample Description: Br / Clear

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA		No	HCL
Sulfide				
Sulfate				
Nitrate				
Nitrite				
Mn				
Na				
Cl				
HydroCr				
TOC				

Notes

* H_2O level probe does not fit in well, H_2O level from CMT-1(3) used
* Tubing left in well
* Parameter cup ≈ .4 gal

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Field Perosonnel: Dan Simpson
Weather: cloudy 33°
Well No.: CMT-1 (2)
Equipment: Peri Pump

Purge Information

Date: 2/26/07
Purge time: Start: 1400
Stop: 1410
Total Volume: 1.16 gal.
Volume Purged: 1.5 gal.
Mea. Point: PVC ft.
Well Dia.: 3/8" in.
Total Depth: 59 ft.
DTW: 9.85 ft.
1 Vol.: .39 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	12.3	7.03	.734	10.38	999	122	cloudy Br	.33	
V-1	13.8	6.87	.773	9.18	999	120	cloudy Br	.33	
V-2	13.8	6.87	.786	9.16	999	119	Br	.33	
V-3	13.8	6.83	.770	8.60	999	111	Lt B	.33	
Final									

Sampling Information

Fe +2: 0
Date Collected: 2/26/07
Time Collected: 1410
Sample ID: CMT-1(2) / X-2
Method of Sampling: Peri Pump
Sample Description: Clear

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA		No	HCL
Sulfide				
Sulfate				
Nitrate				
Nitrite				
Mn				
Na				
Cl				
HydroCr				
TOC				

Notes

* PID level probe did not fit down well, level from CMT-1(3) used
* Tubing left in well.

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Field Perosonnel: Dan Simpson, Chris Burke
Weather: cloudy 33° Equipment: Peri Pump
Well No.: CMT-1(3)

Purge Information

Date: 2/26/03
Purge time: Start: 1420 Stop: 1430
Total Volume: 2.12 gal.
Volume Purged: 2.3 gal.
Mea. Point: PVC ft.
Well Dia.: 3/8 in.
Total Depth: 99.00 ft.
DTW: 9.85 ft.
1 Vol.: .71 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	12.1	7.04	.443	11.47	999	137	Gray	.33	
V-1	13.1	6.59	.428	9.18	999	141	Gray	.33	
V-2	13.2	6.24	.421	9.03	713.0	152	Gray	.33	
V-3	13.8	5.86	.414	6.19	153.0	182	clear	.33	
Final									

Sampling Information

Fe +2 0
Date Collected: 2/26/07
Time Collected: 1430
Sample ID: CMT-1(3)
Method of Sampling: Peri Pump
Sample Description: clear

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA		No	HCL
Sulfide				
Sulfate				
Nitrate				
Nitrite				
Mn				
Na				
Cl				
HydroCr				
TOC				

Notes

* Tubing left in well

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Field Perosonnel: Dan Simpson, Chris Burke
Weather: Sunny 35°
Well No.: CMT-2(1)
Equipment: Peri Pump

Purge Information
Date: 2/23/07
Purge time: Start: 1430 Stop: 1450
Total Volume: .54 gal.
Volume Purged: 1 gal.
Mea. Point: PVC ft.
Well Dia.: 3/8 in.
Total Depth: 35 ft.
DTW: 12.07 ft.
1 Vol.: .18 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial									
V-1									
V-2	11.0	6.88	.325	8.88	27.4	61	clear	.33	12.07
V-3	13.0	6.82	.518	5.54	365.0	87	Lt Br	.33	
Final									

Sampling Information
Fe +2: 0
Date Collected: 2/23/07
Time Collected: 1450
Sample ID: CMT-2(1)
Method of Sampling: Peri Pump
Sample Description: Light Brown

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA		No	HCL
Sulfide				
Sulfate				
Nitrate				
Nitrite				
Mn				
Na				
Cl				
HydroCr				
TOC				

Notes
* [illegible]
* Peristaltic Pump ~ .4 gal

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Field Perosonnel: Dan Simpson
Weather: Sunny/ 35°
Well No.: CMT-2(2)
Equipment: Peri Pump

Purge Information
Date: 2/23/07
Purge time: Start: 1510
Stop: 1520
Total Volume: 1.14 gal.
Volume Purged: 2 gal.
Mea. Point: PVC ft.
Well Dia.: 3/8 in.
Total Depth: 60 ft.
DTW: 12.07 ft.
1 Vol.: .37 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	11.8	7.47	.168	9.99	999	38	Brown	.33	
V-1	12.5	7.110	.263	9.13	999	7	Brown	.33	
V-2	11.5	6.92	.486	11.00	999	-1	Brown	.33	
V-3	11.9	6.87	.643	8.92	999	-5	Brown	.33	
V-4	11.8	6.82	.671	8.38	999	-8	Brown	.33	
Final									

Sampling Information
Fe +2 10
Date Collected: 2/23/07
Time Collected: 1520
Sample ID: CMT-2(2)
Method of Sampling: Peri pump
Sample Description: Clear

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA		No	HCL
Sulfide				
Sulfate				
Nitrate				
Nitrite				
Mn				
Na				
Cl				
HydroCr				
TOC				

Notes
* H_2O level probe does not fit in well, CMT-2(1) level used.
* Tubing left in well

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Well No.: CMT-2(3)
Field Perosonnel: Dan Simpson, Chris Burke
Weather: Overcast 35° Equipment: Peri Pump

Purge Information
Date: 2/26/07
Purge time: Start: 1030 Stop: 1100
Total Volume: 2.07 gal.
Volume Purged: 2.5 gal.
Mea. Point: PVC ft.
Well Dia.: 3/8" in.
Total Depth: 100 ft.
DTW: 12.07 ft.
1 Vol.: .69 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	10.8	6.94	.346	11.06	331.0	151	Lt Br	.33	12.07
V-1	12.8	6.89	.355	9.66	603.0	159	Lt Br	.33	—
V-2	12.6	6.62	.349	4.43	252.0	164	Lt Br	.33	—
V-3	12.6	6.53	.350	5.64	93.3	166	Lt Br	.33	—
Final									

Sampling Information
Fe +2 0
Date Collected: 2/26/07
Time Collected: 1100
Sample ID: CMT-2(3)
Method of Sampling: Peri Pump
Sample Description: Lt Br

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA		No	HCL
Sulfide				
Sulfate				
Nitrate				
Nitrite				
Mn				
Na				
Cl				
HydroCr				
TOC				

Notes
* H_2O level probe would not fit down well, CMT-2(1) H_2O level used
* Tubing left in well.

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Well No.: CMT-3 (1)
Field Perosonnel: Dan Simpson, Chris Burke
Weather: Sunny 38 Equipment: Peri Pump

Purge Information
Date: 2/23/07 Mea. Point: PVC ft.
Purge time: Start: 1130 Well Dia.: 3/8 in.
Stop: 1155 Total Depth: 39.83 ft.
Total Volume: .66 gal. DTW: 12.12 ft.
Volume Purged: 1 gal. 1 Vol.: .22 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial									
V-1									
V-2	13.5	6.70	.482	2.60	994	14	Br	.33	12.12
V-3	13.5	6.65	.558	7.61	662.0	18	Br	.33	—
Final									

Sampling Information
Fe +2 3
Date Collected: 2/23/07
Time Collected: 1155
Sample ID: CMT-3(1)
Method of Sampling: Peri pump
Sample Description: clear

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA		No	HCL
Sulfide				
Sulfate				
Nitrate				
Nitrite				
Mn				
Na				
Cl				
HydroCr				
TOC				

Notes
* Tubing left in well
* Teraimeter cup @ .4 gal

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Well No.: CMT-3(2)
Field Perosonnel: Dan Simpson, Chris Burke
Weather: Sunny 36°
Equipment: Peri. Pump

Purge Information

Date: 2/23/07
Purge time: Start: 1210
Stop: 1225
Total Volume: 1.24 gal.
Volume Purged: 1.5 gal.

Mea. Point: PVC ft.
Well Dia.: 3/8 in.
Total Depth: 65.00 ft.
DTW: 12.71 ft.
1 Vol.: .41 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	13.6	7.52	.345	9.49	999	-36	Br	.33	
V-1	13.5	7.09	.383	7.50	999	-38	Br	.33	
V-2	13.0	7.01	.472	7.26	999	-35	clear	.33	
V-3	13.0	6.91	.533	5.55	208	-44	clear	.33	
Final									

Sampling Information

Fe +2 10 ~~Darked~~

Date Collected: 2/23/07
Time Collected: 1225
Sample ID: CMT-3(2)
Method of Sampling: Peri. Pump
Sample Description: clear

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA		No	HCL
Sulfide				
Sulfate				
Nitrate				
Nitrite				
Mn				
Na				
Cl				
HydroCr				
TOC				

Notes

* H_2O Probe would not fit down well, water level from CMT-3(3) used
* Tubing left in well

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Field Perosonnel: Dan Simpson, Chris Burke
Weather: Sunny 36
Well No.: CMT-3 (3)
Equipment: Peri Pump

Purge Information
Date: 2/23/07
Purge time: Start: 1230
Stop: 1255
Total Volume: 2.19 gal.
Volume Purged: 2.5 gal.
Mea. Point: PVC ft.
Well Dia.: 3/8 in.
Total Depth: 105.00 ft.
DTW: 12.71 ft.
1 Vol.: .73 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	12.1	7.20	.321	12.11	22.7	55	Clear	.33	
V-1	13.1	6.89	.322	8.67	8.4	78	Clear	.33	
V-2	13.7	6.74	.326	9.08	2.1	88	Clear	.33	
V-3	13.7	6.74	.330	9.10	.6	107	Clear	.33	
Final									

Sampling Information
Fe +2 0
Date Collected: 2/23/07
Time Collected: 1255
Sample ID: CMT-3 (3)
Method of Sampling: Peri. Pump
Sample Description: Clear

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA		No	HCL
Sulfide				
Sulfate				
Nitrate				
Nitrite				
Mn				
Na				
Cl				
HydroCr				
TOC				

Notes
* Tubing left in well

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Field Perosonnel: Dan Simpson, Chris Burke
Weather: Cloudy 33°
Well No.: CMT-4(1)
Equipment: Peri Pump

Purge Information

Date: 2/26/07
Purge time: Start: 1115 Stop: 1130
Total Volume: .55 gal.
Volume Purged: 1 gal.
Mea. Point: PVC ft.
Well Dia.: 3/8 in.
Total Depth: 35 ft.
DTW: 11.85 ft.
1 Vol.: .18 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial									
V-1	12.2	6.69	.602	5.32	999	-65	Br	.33	11.85
V-2							Br		
V-3	13.3	7.13	.484	4.60	999	-58	Br	.33	—
Final									

Sampling Information

Fe +2 10 Dark Red

Date Collected: 2/26/07
Time Collected: 1130
Sample ID: CMT-4(1)
Method of Sampling: Peri Pump
Sample Description: Clear

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA		No	HCL
Sulfide				
Sulfate				
Nitrate				
Nitrite				
Mn				
Na				
Cl				
HydroCr				
TOC				

Notes

* Tubing left in well
* One Keramister cup x .4 gal

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Field Perosonnel: Dan Simpson, Chris Barker
Well No.: CMT-4(2)
Weather: Cloudy 33°
Equipment: Peri. Pump

Purge Information

Date: 2/26/07
Purge time: Start: 1135
Stop: 1200
Total Volume: 1.14 gal.
Volume Purged: 1.0 gal.
Mea. Point: PVC ft.
Well Dia.: 3/8 in.
Total Depth: 60 ft.
DTW: 11.85 ft.
1 Vol.: .38 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial									
V-1	9.8	7.62	.257	6.00	999	-49	Br/Gray	.33	
V-2	11.4	7.17	.255	10.17	999	-41	Br/Gray	.33	
V-3									
Final									

Sampling Information

Fe +2 Not enough water
Date Collected: 2/26/07
Time Collected: 1200
Sample ID: CMT-4(2)
Method of Sampling: Peri Pump
Sample Description: Brown

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA		No	HCL
Sulfide				
Sulfate				
Nitrate				
Nitrite				
Mn				
Na				
Cl				
HydroCr				
TOC				

Notes

* Tubing left in well
* Well went dry after one well volume, allowed 2 hours for recharge, filled TOC, Light Hydrocarbon and Fatty Acid glassware

Mitkem
2-VOC
1(HAH)-methane

Bottle inventory
Microseeps
1-Hydro-Carbon
1-TOC

Ion Chromography / Sulfide, sampled 2/28/07

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Field Perosonnel: Dan Simpson, Chris Burke
Weather: _____
Well No.: CMT-4(3)
Equipment: _____

Purge Information
Date: 2/26/07
Purge time: Start: 1200
Stop: 1220
Total Volume: 2.09 gal.
Volume Purged: 1.0 gal.
Mea. Point: PVC ft.
Well Dia.: 3/8 in.
Total Depth: ~~100~~ ft.
DTW: ~~100~~ 11.85 ft.
1 Vol.: .69 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	13.1	6.58	.349	5.26	999	-34	Grey		
V-1									
V-2									
V-3									
Final									

Sampling Information
Fe +2 Not enough water
Date Collected: 2/26/07
Time Collected: 1220
Sample ID: CMT-4(3)
Method of Sampling: peri pump
Sample Description: Brown- grey

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA		No	HCL
Sulfide				
Sulfate				
Nitrate				
Nitrite				
Mn				
Na				
Cl				
HydroCr				
TOC				

Notes
ReSample CMT 5(3): Ion Chromatography
2/26/07 1950
EQ1 1500

Bottle inventory
m.t/Cem
VOC
- metal
microseeps
1 - FATTY Acids
1 - light Hydro carbon

* well dry at .5 gal
* Ion Chromography sampled 2/28/07

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Well No.: CMT-5(1)
Field Perosonnel: Dan Simpson, Chris Burke
Weather: ~~[illegible]~~ Sunny 36° Equipment: Peri Pump

Purge Information

Date: 2/22/07
Purge time: Start: 0930 Stop: 1000
Total Volume: .32 gal.
Volume Purged: 1 gal.

Mea. Point: PVC ft.
Well Dia.: 3/8 in.
Total Depth: 27.30 ft.
DTW: 14.02 ft.
1 Vol.: .105 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial		[illegible]	[illegible]	[illegible]	[illegible]				
V-1									
V-2									
V-3	11.3	6.75	.318	7.90	71.1	175			
Final									

Sampling Information

Fe +2: 0

Date Collected: 2/23/07
Time Collected: 1000
Sample ID: CMT-5(1)
Method of Sampling: Peri
Sample Description: Clear

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA		No	HCL
Sulfide				
Sulfate				
Nitrate				
Nitrite				
Mn				
Na				
Cl				
HydroCr				
TOC				

Notes

* H_2O level probe does'nt fit down well, level from CMT-5(3) used
* One parameter cup ≈ 3 well volumes
* Tubing left in well

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Well No.: CMT-5 (2)

Field Perosonnel: Dan Simpson, Chris Burke

Weather: Sunny 36

Equipment: Peri Pump

Purge Information

Date: 2/23/07

Purge time: Start: 1010 Stop: 1030

Total Volume: .93 gal.

Volume Purged: 1 gal.

Mea. Point: PVC ft.

Well Dia.: 1402 in.

Total Depth: 53.30 ft.

DTW: 14.02 ft.

1 Vol.: .31 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	11.8	6.67	.383	2.87	999	125	Br	.33	
V-1									
V-2									
V-3	12.4	6.69	.377	6.18	7220	111	Lt Br	.33	
Final									

Sampling Information

Fe +2 0

Date Collected: 2/23/07

Time Collected: 1030

Sample ID: CMT-5 (2)

Method of Sampling: Peri.

Sample Description: Lt Br

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA		No	HCL
Sulfide				
Sulfate				
Nitrate				
Nitrite				
Mn				
Na				
Cl				
HydroCr				
TOC				

Notes

* H_2O level probe does not fit down well, level from CMT-5(3) used
* One peramaster cup 3/2 well volumes
* Tubing left in well

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Field Perosonnel: Dan Simpson, Chris Burke
Weather: Sunny 36°
Well No.: CMT-5 (3)
Equipment: Peri Pump

Purge Information
Date: 2/23/07
Purge time: Start: ~~1040~~ 1040
Stop: 1100
Total Volume: 1.69 gal.
Volume Purged: 2 gal.
Mea. Point: PVC ft.
Well Dia.: 3/8 in.
Total Depth: 85.39 ft.
DTW: 14.02 ft.
1 Vol.: .56 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial									
V-1	10.6	7.01	.395	5.59	999	-74	Br cloudy	.33	
V-2	11.9	7.09	.403	9.32	999	-60	Br cloudy	.33	
V-3	12.2	6.96	.421	6.17	999	-74	Br cloudy	.33	
V-4	11.8	6.86	.425	6.35	999	-1	cloudy Br	.33	
Final									

Sampling Information
Fe +2: 1
Date Collected: 2/23/07
Time Collected: 1100
Sample ID: CMT-5 (3)
Method of Sampling: Peri Pump
Sample Description: Cloudy Brown

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA		No	HCL
Sulfide				
Sulfate				
Nitrate				
Nitrite				
Mn				
Na				
Cl				
HydroCr				
TOC				

Notes
*Tubing left in well

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Well No.: ITDGW-1
Field Perosonnel: Dan Simpson, Chris Burke
Weather: Cloudy 33°
Equipment: Hand Pump

Purge Information

Date: 2/26/07
Purge time: Start: 1600
Stop: 1610
Total Volume: .99 gal.
Volume Purged: 1 gal.
Mea. Point: PVC ft.
Well Dia.: 1" in.
Total Depth: 24.85 ft.
DTW: 16.64 ft.
Vol.: .33 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial									
V-1	10.8	6.63	.283	10.36	999	156	Br	1.1	16.64
V-2	12.0	6.40	.292	8.72	999	158	Br	1.1	
V-3	12.6	6.25	.295	8.91	999	167	Br	1.1	
Final									

Sampling Information

Fe +2: 0
Date Collected: 2/26/07
Time Collected: 1610
Sample ID: ITDGW-1
Method of Sampling: Hand Pump
Sample Description: Reddish Brown

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA		No	HCL
Sulfide				
Sulfate				
Nitrate				
Nitrite				
Mn				
Na				
Cl				
HydroCr				
TOC				

Notes

* Tubing in well

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Well No.: ITDGW-26
Field Perosonnel: Dan Simpson, Chris Burke
Weather: Cloudy
Equipment: Hand Pumped

Purge Information

Date: 2/22/07
Purge time: Start: 1208
Stop: 1235
Total Volume: 4.5 gal.
Volume Purged: 5 gal.
Mea. Point: PVC ft.
Well Dia.: 2" in.
Total Depth: 19.40 ft.
DTW: 10.58 ft.
1 Vol.: 1.5 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	13.0	6.35	.177	11.04	8.9	179	clear	.5	10.58
V-1	13.6	5.97	.168	9.73	30.4	183	clear	.5	10.58
V-2	13.3	5.92	.167	9.53	31.6	184	clear	.5	10.58
V-3	13.2	5.91	.187	10.32	30.4	191	clear	.5	10.58
Final									

Sampling Information

Fe +2 0
Date Collected: 2/22/07
Time Collected: 1235
Sample ID: ITDGW-26
Method of Sampling: Hand Pumped
Sample Description:

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA		No	HCL
Sulfide				
Sulfate				
Nitrate				
Nitrite				
Mn				
Na				
Cl				
HydroCr				
TOC				

Notes

* Tubing left in well

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Well No.: ITMW-1S

Field Perosonnel: Dan Simpson
Weather: cloudy 39
Equipment: Grundfos

Purge Information

Date: 2/22/07
Purge time: Start: 1313
Stop: 1330
Total Volume: 27.7 gal.
Volume Purged: 30.0 gal.

Mea. Point: PVC ft.
Well Dia.: 2" in.
Total Depth: 64.90 ft.
DTW: 10.62 ft.
1 Vol.: 9.23 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	14.6	6.15	.464	9.33	999	229	cloudy	2.5	10.62
V-1	16.2	6.11	.487	4.05	999	171	Cloudy/Br	2.5	11.13
V-2	16.0	6.10	.491	3.90	593	170	Cloudy/Br	2.5	11.15
V-3	16.0	6.11	.491	3.91	81.7	173	clear	2.5	11.20
Final									

Sampling Information

Fe +2 0

Date Collected: 2/22/07
Time Collected: 1330
Sample ID: ITMW-1S / MS / MSD
Method of Sampling: Grundfos
Sample Description: Clear

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA		No	HCL
Sulfide				
Sulfate				
Nitrate				
Nitrite				
Mn				
Na				
Cl				
HydroCr				
TOC				

Notes

* Tubing left in well
* MS/MSD taken here

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Field Perosonnel: Dan Simpson
Weather: cloudy 39°
Well No.: IT MW-1D
Equipment: Grund fos

Purge Information

Date: 2/22/07
Purge time: Start: 1400
Stop: 1430
Total Volume: 48.00 gal.
Volume Purged: 50 gal.
Mea. Point: PVC ft.
Well Dia.: 2" in.
Total Depth: 105.5 ft.
DTW: 11.10 ft.
1 Vol.: 16.0 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	16.1	6.00	.486	8.36	3.6	206	Clear	2.5	11.10
V-1	16.4	5.84	.537	1.28	70.1	200	clear	2.5	19.31
V-2	16.3	5.90	.555	3.77	11.1	200	clear	2.5	19.30
V-3	16.3	5.90	.570	1.26	10.5	201	clear	2.5	19.29
Final									

Sampling Information

Fe +2: 0
Date Collected: 2/22/07
Time Collected: 1430
Sample ID: IT MW-1D
Method of Sampling: Grund fos
Sample Description: clear

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA		No	HCL
Sulfide				
Sulfate				
Nitrate				
Nitrite				
Mn				
Na				
Cl				
HydroCr				
TOC				

Notes

* Tubing left in well

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Field Perosonnel: Dan Simpson, Chris Burke
Weather: Sunny 45° Equipment: Grundfos, Horiba U-22
Well No.: ITMW-2S

Purge Information
Date: 2/21/07
Purge time: Start: 1100
Stop: 1120
Total Volume: ~~DND~~ 19.59 gal.
Volume Purged: 20 gal.
Mea. Point: PVC ft.
Well Dia.: 2" in.
Total Depth: 50.1 ft.
DTW: 11.72 ft.
1 Vol.: 6.53 gal.

Purge Water Characteristics

	Temp. (5)	pH (1)	Cond. (2)	DO (4)	Turb. (3)	ORP (6)	App/Odor	Flow Rate	DTW
Initial	15.4	5.85	.523	8.54	629.0	207	Br	3.0	11.72
V-1	15.7	5.94	.528	3.43	110.0	205	Cl	2.0	19.70
V-2	15.7	5.94	.533	2.90	60.0	200	CL	2.0	20.03
V-3	15.6	5.82	.534	2.71	49.1	193	CL	2.0	20.73
Final									

Sampling Information
Date Collected: 2/21/07
Time Collected: 1120
Sample ID: ITMW-2S
Method of Sampling: Grundfos
Sample Description: Clear
Fe +2: 0

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA		No	HCL
Sulfide	VOC 4			NAOH Zinc
Sulfate	un			un
Nitrate	~~250ml Plastic~~ un	un		~~H_2SO_4~~ un
Nitrite	un			
Mn	250mL Plastic			HNO_3
Na				
Cl	500 un			un
~~HydroCr~~				
TOC				

Notes
Tubing in well
Fatty Acids (1) VOA → One sent broken

1
2
3
4

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Well No.: ITMW-2D
Field Perosonnel: Dan Simpson, Chris Burke
Weather: Sunny 46° Equipment: Groundfos

Purge Information

Date: 2/21/07
Purge time: Start: 1200 Stop: 1220
Total Volume: 45.95 gal.
Volume Purged: 50.00 gal.
Mea. Point: PVC ft.
Well Dia.: 2" in.
Total Depth: 102.28 ft.
DTW: 12.19 ft.
1 Vol.: 15.31 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	15.7	6.51	.277	9.10	19.7	170	Clear	2.5	12.19
V-1	15.9	4.70	.285	0.0	140.0	230	cloudy	2.5	40.00
V-2	15.9	4.65	.284	0.0	30.1	237	Clear	2.5	21.20
V-3	15.9	4.65	.284	0.0	17.4	239	Clear	2.5	21.71
Final									

Sampling Information

Fe +2 0
Date Collected: 2/21/07
Time Collected: 1220
Sample ID: ITMW-2D
Method of Sampling: Groundfos
Sample Description: Clear

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA		No	HCL
Sulfide				
Sulfate				
Nitrate				
Nitrite				
Mn				
Na				
Cl				
HydroCr				
TOC				

Notes

Tubing left in well

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Field Perosonnel: Dan Simpson, Chris Burke Well No.: ITMW-35'
Weather: Sunny 47° Equipment: Grundfos

Purge Information

Date: 2/21/07 Mea. Point: PVC ft.
Purge time: Start: 1400 Well Dia.: 2" in.
Stop: 1420 Total Depth: 65.10 ft.
Total Volume: 26.16 gal. DTW: 13.75 ft.
Volume Purged: 28.0 gal. 1 Vol.: 8.72 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	15.2	7.00	.322	11.10	999	145	cloudy/BB	2.0	13.75
V-1	15.5	6.26	.317	6.90	999	149	cloudy	2.0	24.01
V-2	15.5	6.20	.314	6.66	103.0	156	clear	2.0	13.80
V-3	15.5	6.25	.302	6.61	35.5	161			
Final									

Sampling Information

Fe +2 0

Date Collected: 2/21/07
Time Collected: 1420
Sample ID: ITMW-35'
Method of Sampling: Grundfos
Sample Description: clear

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA		No	HCL
Sulfide				
Sulfate				
Nitrate				
Nitrite				
Mn				
Na				
Cl				
HydroCr				
TOC				

Notes

Tubing left in well

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Well No.: ITMW-3D
Field Perosonnel: Dan Simpson, Chris Burke
Weather: Sunny 46° Equipment: Grundfos

Purge Information

Date: 2/21/07
Purge time: Start: 1435 Stop: 1500
Total Volume: 38.5 gal.
Volume Purged: 38.8 gal.
Mea. Point: PVC ft.
Well Dia.: 2" in.
Total Depth: 89.30 ft.
DTW: 13.90 ft.
1 Vol.: 12.8 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	15.5	6.66	.352	7.91	999	151	cloudy	2.3	13.90
V-1	15.9	6.12	.351	6.65	1231.0	159	cloudy	2.3	28.50
V-2	15.9	6.11	.350	6.68	80.2	164	clear	2.3	30.00
V-3	15.9	6.09	.349	6.64	6.5	174	clear	2.3	14.10
Final									

Sampling Information

Fe +2 0
Date Collected: 2/21/07
Time Collected: 1500
Sample ID: ITMW-3D
Method of Sampling: Grundfos
Sample Description: clear

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA		No	HCL
Sulfide				
Sulfate				
Nitrate				
Nitrite				
Mn				
Na				
Cl				
HydroCr				
TOC				

Notes

Tubing left in well

(1) VOC, TOC (4) 40mL Glass HCL
(2) Mn, Na 250 Plastic HNO_3
(3) Nitrate, Nitrite, Sulfate, CL 500mL unpreserved

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Well No.: ITMW-45
Field Perosonnel: Dan Simpson, Chris Burke
Weather: sunny 45° Equipment: Grundfos

Purge Information

Date: 2/21/07 Mea. Point: PVC
Purge time: Start: 1535 Well Dia.: 2" in.
Stop: 1545 Total Depth: 55.1 ft.
Total Volume: 19.99 gal. DTW: 17.86 ft.
Volume Purged: 20 gal. 1 Vol.: 6.33 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	15.1	6.89	.378	10.41	999	198	Cloudy	2.0	17.86
V-1	15.3	5.18	.381	7.45	865.0	222	clear	2.0	24.33
V-2	15.4	5.13	.380	7.00	217.0	246	clear	2.0	25.00
V-3	15.4	5.14	.376	6.78	104.0	250	clear	2.0	24.87
Final									

Sampling Information

Fe +2 0
Date Collected: 2/21/07
Time Collected: 1545
Sample ID: ITMW-45
Method of Sampling: Grundfos
Sample Description: clear

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	2	No	HCL
Sulfide	50 mL			
Sulfate	50 mL			
Nitrate	50 mL			H_2SO_4
Nitrite	50 mL			
Mn				
Na				
Cl	100 mL			
HydroCr	Clear Glass 40 mL VOA	2	NO	Na_3PO_4
TOC	Plastic 100 mL	1	NO	H_2SO_4
Notes: Fatty Acids	Glass 40 mL VOA	2	NO	BAK

> Microseeps

Tubing left in well

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Well No.: ITMW-4D

Field Perosonnel: Dan Simpson

Weather: Sunny 42

Equipment: Grundfos

Purge Information

Date: 2/2/07

Purge time: Start: 1600 Stop: 1630

Total Volume: 44.5 gal.

Volume Purged: 45.0 gal.

Mea. Point: PVC ft.

Well Dia.: 2" in.

Total Depth: 105.3 ft.

DTW: 18.00 ft.

1 Vol.: 14.8 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	14.9	5.79	.250	10.70	21.0	224	clear	2.5	18.00
V-1	15.7	6.05	.274	6.87	99	261	clear	2.5	31.33
V-2	15.7	5.03	.272	6.86	85.3	273	clear	2.5	30.21
V-3	15.7	5.07	.272	6.90	14.5	280	clear	2.5	31.07
Final									

Sampling Information

Fe +2: 0

Date Collected: 2/2/07

Time Collected: 1630

Sample ID: ITMW-4D

Method of Sampling: ~~Clear~~ Grundfos

Sample Description: clear

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA		No	HCL
Sulfide				
Sulfate				
Nitrate				
Nitrite				
Mn				
Na				
Cl				
HydroCr				
TOC				

Notes

Tubing left in well

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Field Perosonnel: Dan Simpson, Chris Burke
Weather: Sunny 36
Well No.: PZ-1
Equipment: Hand Pump

Purge Information

Date: 2/23/06
Purge time: Start: 1300
Stop: 1350
Total Volume: .75 gal.
Volume Purged: 1.5 gal.
Mea. Point: PVC ft.
Well Dia.: 1" in.
Total Depth: 19.55 ft.
DTW: 13.15 ft.
1 Vol.: .25 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial									
[redacted]									
V-1	10.9	7.20	.445	11.92	98.1	123	Clear	1.2	13.15
V-2	12.9	6.99	.359	8.44	999	123	Brown	1.2	13.53
V-3	13.3	6.94	.371	9.94	999	132	Brown	1.2	13.55
Final									

Sampling Information

Fe +2: 0
Date Collected: 2/23/07
Time Collected: 1350
Sample ID: PZ-1
Method of Sampling: Hand pump
Sample Description: Brown

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA		No	HCL
Sulfide				
Sulfate				
Nitrate				
Nitrite				
Mn				
Na				
Cl				
HydroCr				
TOC				

Notes

* Tubing left in well

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Field Perosonnel: Dan Simpson, Chris Burke
Weather: Sunny 43° Well No.: PZ-2
Equipment: Hand pumped

Purge Information
Date: 2/22/07
Purge time: Start: 1020 Stop: 1030
Total Volume: .582 gal.
Volume Purged: 1 gal.
Mea. Point: PVC ft.
Well Dia.: 1" in.
Total Depth: 19.64 ft.
DTW: 14.79 ft.
1 Vol.: .19 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	(								
V-1									
V-2									
V-3	12.87	6.99	.236	10.58	390.0	150	Br	.5	19.64
Final									

Sampling Information
Date Collected: 2/22/07
Time Collected: 1030
Sample ID: PZ-2 / X-1
Method of Sampling: Hand Pump
Sample Description: Light Brown
Fe +2 0

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA		No	HCL
Sulfide				
Sulfate				
Nitrate				
Nitrite				
Mn				
Na				
Cl				
HydroCr				
TOC				

Notes
* Tubing left in well
* One parameter cup = 3 well Volumes
* X-1 field Duplicate Taken here

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Field Perosonnel: Dan Simpson, Chris Burke
Weather: _____
Well No.: PZ-3
Equipment: Hand pump

Purge Information
Date: 2/22/07
Purge time: Start: 1111
Stop: 1130
Total Volume: .59 gal.
Volume Purged: 1 gal.
Mea. Point: PVC ft.
Well Dia.: 1" in.
Total Depth: 19.69 ft.
DTW: 14.73 ft.
1 Vol.: .19 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial									
V-1									
V-2									
V-3	12.3	6.62	.273	9.40	327	187	H Br	.5	14.73
Final									

Sampling Information
Date Collected: 2/22/07
Time Collected: 1130
Sample ID: PZ-3
Method of Sampling: Hand Pumped
Sample Description: Br
Fe +2: 0

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA		No	HCL
Sulfide				
Sulfate				
Nitrate				
Nitrite				
Mn				
Na				
Cl				
HydroCr				
TOC				

Notes
* Tubing left in well
* One Parameter = 3 well Volumes

APPENDIX J

Chain of Custody Records for CMT and Monitoring Wells Resampling

MITKEM CORPORATION
175 Metro Center Boulevard
Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

Page 1 of 2

COMPANY: O'Brien & Gere	PHONE: 315-437-6100	COMPANY: SAME	PHONE:
NAME: Marc Dent	FAX:	NAME:	FAX:
ADDRESS: 5000 Brittonfield Pkwy		ADDRESS:	
CITY/ST/ZIP: E. Syracuse, NY 13057		CITY/ST/ZIP:	

LAB PROJECT #:

TURNAROUND TIME: STANDARD

CLIENT PROJECT NAME: Jimmy's Dry Cleaners

CLIENT PROJECT #:

CLIENT P.O.#:

REQUESTED ANALYSES

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	TCC	VOC	Metals	Ion Chromatography	COMMENTS
ITMW1S	2/22/07 1350		X				01	6	2	2	1		
ITMW1D	2/22/07 1430		X				02	6	2	2	1	1	
ITMW3S	2/21/07 1120		X				03	6	2	2	1	1	
ITMW2D	2/21/07 1220		X				04	6	2	2	1	1	* chromatography sample bottle 1/2 full
ITMW3S	2/21/07 1420		X				05	6	2	2	1	1	
ITMW3D	2/21/07 1500		X				06	6	2	2	1	1	
OR ~~ITMW3D~~													
ITMW4S	2/21/07 1545		X				07	6	2	2	1	1	
ITMW4D	2/21/07 1630		X				08	6	2	2	1	1	
PZ2	2/22/07 1030		X				09	6	2	2	1	1	
PZ3	2/22/07 1130		X				10	6	2	2	1	1	
X1	2/22/07 1030		X				11	6	2	2	1	1	

TSR#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
		2/22/07 1600	FedEx 854355114524	2/22/07 1600		1 °C
		/		2/23/07 09:00		
		/		/		

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CHAIN-OF-CUSTODY RECORD

REPORT TO			INVOICE TO		
COMPANY O'Brien & Gere	PHONE 315-432-6400		COMPANY Same	PHONE	LAB PROJECT #:
NAME Marc Dent	FAX		NAME	FAX	
ADDRESS 5000 Brittonfield Pkwy			ADDRESS		TURNAROUND TIME:
CITY/ST/ZIP E. Syracuse, NY 13057			CITY/ST/ZIP		STANDARD

CLIENT PROJECT NAME:	CLIENT PROJECT #:	CLIENT P.O.#:
Jimmy's Dry Cleaners		

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	REQUESTED ANALYSES: TOC	VOC	METALS	Ion Chromatography	COMMENTS
ITOGW-26	4/22/67 1235		X				10	6	2	2	1	1	
~~TRIP~~ MS	4/22/67 1350		X				01	6	2	2	1	1	
MSD	4/22/67 1350		X				01	6	2	2	1	1	
TB-1	4/22/67 —					X	13	2	0	2	0	0	
	/												
	/												
	/												
	/												
	/												
	/												
	/												
	/												

TSR#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
	[signature]	4/22/67 1600	FedEx 859755114524	4/22/67 1600		1°C
		/	[signature]	4/23/67 09:00		
		/		/		

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CHAIN-OF-CUSTODY RECORD

Page 1 of 1

REPORT TO			INVOICE TO		
COMPANY O'Brien + Gere	PHONE 315.437.6100		COMPANY Same	PHONE	LAB PROJECT #:
NAME Marc Dent	FAX		NAME	FAX	
ADDRESS 5000 Brittonfield Pkwy			ADDRESS		TURNAROUND TIME: STANDARD
CITY/ST/ZIP E. Syracuse, NY 13057			CITY/ST/ZIP		

CLIENT PROJECT NAME: Jimmy's Dry Cleaners

CLIENT PROJECT #: —

CLIENT P.O.#: —

REQUESTED ANALYSES

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID F0240	# OF CONTAINERS	VOC	TOX Chromatography	Metals	COMMENTS
ITMW2D	2/22/07 1415			X			14	1	Ø	1	Ø	
CMT 5(1)	2/23/07 1000			X			15	4	2	1	1	
CMT 5(2)	2/23/07 1030			X			16	4	2	1	1	
CMT 5(3)	2/23/07 1100			X			17	4	2	1	1	
CMT 3(1)	2/23/07 1155			X			18	4	2	1	1	No bottle for TC -G 2/24/07
CMT 3(2)	2/23/07 1225			X			19	4	2	1	1	
CMT 3(3)	2/23/07 1255			X			20	4	2	1	1	
CMT 2(1)	2/23/07 1450			X			21	4	2	1	1	
CMT 2(2)	2/23/07 1520			X			22	4	2	1	1	
TB-2	2/23/07 —			X			23	2	2	Ø	Ø	
PZ-1	2/23/07 1350			X			24	4	2	1	1	

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
		2/23/07 1700	FedEx 8599 4202 8096	2/23/07 1700		2°C
		/		2/24/07 0943		
		/		/		

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CHAIN-OF-CUSTODY RECORD

COMPANY O'Brien + Gere	PHONE 315.437.6100	COMPANY SAME	PHONE	LAB PROJECT #:
NAME Marc Dent	FAX	NAME	FAX	
ADDRESS 5000 Brittonfield Pkwy.		ADDRESS		TURNAROUND TIME:
CITY/ST/ZIP E Syracuse 13057		CITY/ST/ZIP		STANDARD

CLIENT PROJECT NAME: Jimmy's Dry Cleaners | CLIENT PROJECT #: — | CLIENT P.O.#: —

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	VOC	METALS	Ion Chromatography	COMMENTS
CMT 5 (3)	2/26/07 1450		X	X			25	1	Ø	Ø	1	
FQ 1	2/26/07 1500		X	X			26	4	2	1	1	
CMT 4 (1)	2/26/07 1130		X	X			27	4	2	1	1	
CMT 4 (2)	2/26/07 1200		X	X			28	3	2	1	Ø	Dry well
CMT 4 (3)	2/26/07 1220		X	X			29	3	2	1	Ø	Dry well
CMT 1 (1)	2/26/07 1315		X	X			30	4	2	1	1	
CMT 1 (2)	2/26/07 1410		X	X			31	4	2	1	1	
CMT 1 (3)	2/26/07 1430		X	X			32	4	2	1	1	
X2	2/26/07 1410		X	X			33	4	2	1	1	
MS	2/26/07 1345		X	X			34 30	4	2	1	1	
MSD	2/26/07 1345		X	X			35 30	4	2	1	1	
~~ITDGWI~~	~~2/26/07 1610~~		~~X~~	~~X~~			~~34 37~~	~~3~~	~~2~~	~~1~~	~~1~~	
TB-3	2/26/07		N	X		X	37	2	2	Ø	Ø	

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
		2/26/07 1900	FedEX 859755120460	2/26/07 1900		3°C
		/		2/27/07 850		
		/		/		

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email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

REPORT TO			BILL TO		
COMPANY O'Brien + Gere	PHONE 315.347.6100		COMPANY SAME	PHONE	LAB PROJECT #:
NAME Marc Dent	FAX		NAME	FAX	
ADDRESS 5000 Brittonfield Pkwy.			ADDRESS		TURNAROUND TIME:
CITY/ST/ZIP E. Syracuse, NY 13057			CITY/ST/ZIP		STANDARD

CLIENT PROJECT NAME: Jimmy's Dry Cleaners

CLIENT PROJECT #:

CLIENT P.O.#:

REQUESTED ANALYSES

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	VOC	Metals	Ion Chromatography	COMMENTS
CMT 2(3)	2/26/07 1100		X	X			35-36	4	2	1	1	
	/											
	/											
	/											
	/											
	/											
	/											
	/											
	/											
	/											
	/											
	/											

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
		2/26/07 1900	FedEx 8597552046 (CW)	2/26/07 1900		3°C
		/		2-2707 8:50		
		/		/		

00025

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email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

COMPANY O'Brien & Gere	PHONE (315) 437-6100	COMPANY	PHONE
NAME Marc Dent	FAX	NAME Same	FAX
ADDRESS 5000 Brittonfield Pkwy		ADDRESS	
CITY/ST/ZIP E. Syracuse, NY 13057		CITY/ST/ZIP	

LAB PROJECT #:

TURNAROUND TIME: STD

CLIENT PROJECT NAME: Jimmy's Dry Cleaner

CLIENT PROJECT #:

CLIENT P.O.#:

REQUESTED ANALYSES

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	Iron [illegible]											COMMENTS
CMT-4(2)	2/28/07 1300		X	X				1	1											
CMT-4(3)	2/28/07 1330		X	X				1	1											
	/																			
	/																			
	/																			
	/																			
	/																			
	/																			
	/																			
	/																			
	/																			
	/																			

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME
	[signature]	2/28/07 1600	FedEx 8595 2489 9105	2/28/07 1600
		/	[signature]	3-1-07 /
		/	[signature]	3-1-07 8:50

ADDITIONAL REMARKS:

COOLER TEMP: 8°C

WHITE: LABORATORY COPY YELLOW: REPORT COPY PINK: CLIENT'S COPY

Microseeps Lab. Proj. # P0702379

CHAIN - OF - CUSTODY RECORD

Microseeps COC cont. # _____

Phone: (412) 826-5245 | Microseeps, Inc. - 220 William Pitt Way - Pittsburgh, PA 15238 | Fax No. : (412) 826-3433

Company : O'Brien & Gere

Co. Address : 5000 Brittonfield Pkwy E. Syracuse, NY

Phone # : (315) 437-6100 Fax # : _____

Proj. Manager : Marc Dent

Proj. Name/Number : Jimmy's Dry Cleaner

Sampler's signature : David Lyon

Cooler Temp. _____

Results to : Marc Dent
O'Brien & Gere
5000 Brittonfield Pkwy
E. Syracuse, NY

Invoice to : Marc Dent
OBG
SAP#

Sample ID	Sample Description	Sample Type (Water / Vapor / Solid)	Date	Time	# bottles	Parameters Requested: TOC	Fatty Acids	Light Hydrocarbons	Remarks :
ITMW-2S	clear	X	2/21/07	1120	4	1	2	2	(1) Fatty Acid Broke
ITMW-2D	clear	X	2/21/07	1220	5	1	2	2	(1) TOC
ITMW-3S	clear	X	2/21/07	1420	5	1	2	2	(1) TOC
ITMW-3D	clear	X	2/21/07	1500	5	1	2	2	(1) TOC
ITMW-4S	clear	X	2/21/07	1545	5	1	2	2	
ITMW-4D	clear	X	2/21/07	1630	5	1	2	2	
ITmw-1S	clear	X	2/22/07	1330	5	1	2	2	
ITmw-1D	clear	X	2/22/07	1430	5	1	2	2	
PZ2	clear	X	2/22/07	1030	5	1	2	2	
PZ3	clear	X	2/22/07	1030	5	1	2	2	
MS	clear	X	2/22/07	1330	5	1	2	2	
MSD	clear	X	2/22/07	1330	5	1	2	2	

Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
David Lyon	VEC Inc.	2/23/07	1600	8597 5512 0585	FedEX	2/22/07	1600
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
					CRES	2/23/7	
nquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :

WHITE COPY : Accompany Samples YELLOW COPY : Laboratory File PINK COPY : Submitter

Microseeps Lab. Proj. # _____

CHAIN - OF - CUSTODY RECORD

Microseeps COC cont. # _____

Phone: (412) 826-5245 | Microseeps, Inc. - 220 William Pitt Way - Pittsburgh, PA 15238 | Fax No. : (412) 826-3433

Company : O'Brien + Gere

Co. Address : 5000 Brittonfield Pkwy E. Syracuse, NY

Phone # : (315)437-6100 Fax # : _____

Proj. Manager : MARC DENT

Proj. Name/Number : Jimmy's Dry Cleaner

Sampler's signature : Daniel Lyon

Cooler Temp. _____

Parameters Requested: TOC; FATTY ACIDS; Light Hydrocarbon

Results to : MARC DENT
O'Brien + Gere
5000 Brittonfield Pkwy
E. Syracuse, NY

Invoice to : MARC DENT
O'Brien + Gere
5000 Brittonfield Pkwy
E. Syracuse, NY

Sample ID	Sample Description	Sample Type: Water	Vapor	Solid	Date	Time	# bottles	TOC	FATTY ACIDS	Light Hydrocarbon	Remarks :
X1	clear	X			2/22/07	1235	5	1	2	2	
ITDGW-26	clear	X			2/22/07	1030	5	1	2	2	
DS [illegible]											
DS [illegible]	TRIP BLANK	X			2/22/07						

Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Daniel Lyon	YEC Inc.	2/22/07	1600	8597 5512 0585	FedEx	2/22/07	1600
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
					MCL	2/23/7	
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :

WHITE COPY : Accompany Samples YELLOW COPY : Laboratory File PINK COPY : Submitter

Microseeps Lab. Proj. # P0702348 02

CHAIN - OF - CUSTODY RECORD

Microseeps COC cont. # _____

Phone: (412) 826-5245 | Microseeps, Inc. - 220 William Pitt Way - Pittsburgh, PA 15238 | Fax No. : (412) 826-3433

Company : O'Brien & Gere
Co. Address : 5000 Brittonfield Pkwy E. Syracuse, NY
Phone # : (315) 437 6100 Fax # : _____
Proj. Manager : Marc Dent
Proj. Name/Number : Jimmy's Dry Cleaner
Sampler's signature : Paul Lyn

Cooler Temp. _____

Results to : Marc Dent, O'Brien & Gere, E. Syracuse, NY

Invoice to : Same

Sample ID	Sample Description	Sample Type: Water	Vappr	Solid	Date	Time	# Bottles	Parameters Requested: TOC	Light Hydrocarbon	Fatty Acid	Remarks :
1 CMT-5 (1)	clear	X			2/23/07	1000		1	2	2	
2 CMT-5(2)	Light Brown	X			2/23/07	1030		1	2	2	
3 CMT-5(3)	Brown	X			2/23/07	1100		1	2	2	
4 CMT-3(1)	clear	X			2/23/07	1155		1	2	2	
5 CMT-3(2)	clear	X			2/23/07	1225		1	2	2	
6 CMT-3(3)	clear	X			2/23/07	1255		1	2	2	
7 PZ-1	Brown	X			2/23/07	1350		1	2	2	
8 CMT-2(1)	Light Brown	X			2/23/07	1450		1	2	2	
9 CMT-2(2)	clear	X			2/23/07	1520		1	2	2	

Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Paul Lyn	VEC, Inc.	2/23/07	1700	FedEx 8599 4202 8100	FedEx	2/23/07	1700
Relinquished by :	Company :	Date :	Time :	Received by : Maureen Donlin	Company : Microseeps	2/24/07	1330
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :

WHITE COPY : Accompany Samples YELLOW COPY : Laboratory File PINK COPY : Submitter

Microseeps Lab. Proj. # _____

CHAIN - OF - CUSTODY RECORD

Microseeps COC cont. # _____

Phone: (412) 826-5245 | Microseeps, Inc. - 220 William Pitt Way - Pittsburgh, PA 15238 | Fax No. : (412) 826-3433

Company : O'Brien + Gere
Co. Address : 5000 Brittonfield Pkwy E. Syracuse, NY
Phone # : (315) 437-6100 Fax # : _____
Proj. Manager : Marc Dent
Proj. Name/Number : Jimmy's Dry Cleaner
Sampler's signature : [signature]

Cooler Temp. _____

Results to : Marc Dent, 5000 Brittonfield Pkwy E. Syracuse, NY
Invoice to : Same

Sample ID	Sample Description	Sample Type: Water	Vapor	Solid	Date	Time	# Containers	Parameters Requested: TOC	Sulfuric Acid	Light Hydrocarbons	Remarks
CMT-2(3)	Light Brown	X			2/26/07	1100	5	1	2	2	
EQ-1	Clear	X			2/26/07	1500	5	1	2	2	
CMT-4(1)	Clear	X			2/26/07	1130	5	1	2	2	
CMT-4(2)	Brown	X			2/26/07	1200	3	1	1	1	Dry well
CMT-4(3)	Brown/Gray	X			2/26/07	1220	3	1	1	1	Dry well
CMT-1(1)	Brown	X			2/26/07	1345	5	1	2	2	
CMT-1(2)	Clear	X			2/26/07	1410	5	1	2	2	
CMT-1(3)	Clear	X			2/26/07	1430	5	1	2	2	
X-2	Clear	X			2/26/07	1418	5	1	2	2	
MS	Brown	X			2/26/07	1345	5	1	2	2	
MSD	Brown	X			2/26/07	1345	5	1	2	2	
ITDGW-1	Brown	X			2/26/07	1610	5	1	2	2	

Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
[signature]	YEC, Inc.	2/26/07	1900	FedEx 5475552 0508	FedEx	2/26/07	1900
Relinquished by :	Company :	Date :	Time :	Received by : [signature]	Company : MICRO	Date : 2/27/7	Time :
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :

WHITE COPY : Accompany Samples YELLOW COPY : Laboratory File PINK COPY : Submitter

APPENDIX K

Correspondence with the Village of Freeport

O'BRIEN & GERE

April 26, 2007

Village of Freeport
46 North Ocean Avenue
Freeport, NY 11520

Attn: Mr. Robert Fisenne

Re: Jimmy's Dry Cleaners
61 Nassau Road
Roosevelt, NY
#1-30-080
Road Opening Permit Application

File: 10653/36951 #2

Dear Mr. Fisenne:

Enclosed for your review and approval is our "Road Opening Permit Application for Work on Right-of-Way on Village Roads". This permit is for activities associated with the ground water and soil investigation project for Jimmy's Dry Cleaners that O'Brien & Gere is conducting on behalf of New York State Department of Environmental Conservation (NYSDEC). Based on our recent conversation, we have also included a check in the amount of $450 for the permit fee. This fee is for the installation of nine monitoring wells ($50 per well).

This project includes the installation of three ground water monitoring well nests (3 wells at each location) and the collection of soil and ground water samples at four locations as shown on the attached Figure 1. The monitoring wells will be installed using a drill rig (hollow stem auger) and advancing a 2" casing and screen to approximately 150 ft deep. A flush-mounted well box will be installed at each monitoring well. A direct push method will be used to collect the soil and ground water samples to a maximum of 80 ft at the four locations. The monitoring wells and four sample locations will be installed in the grassy area between the curb and the sidewalk. The area around the monitoring wells and sample collection locations will be restored to its original condition.

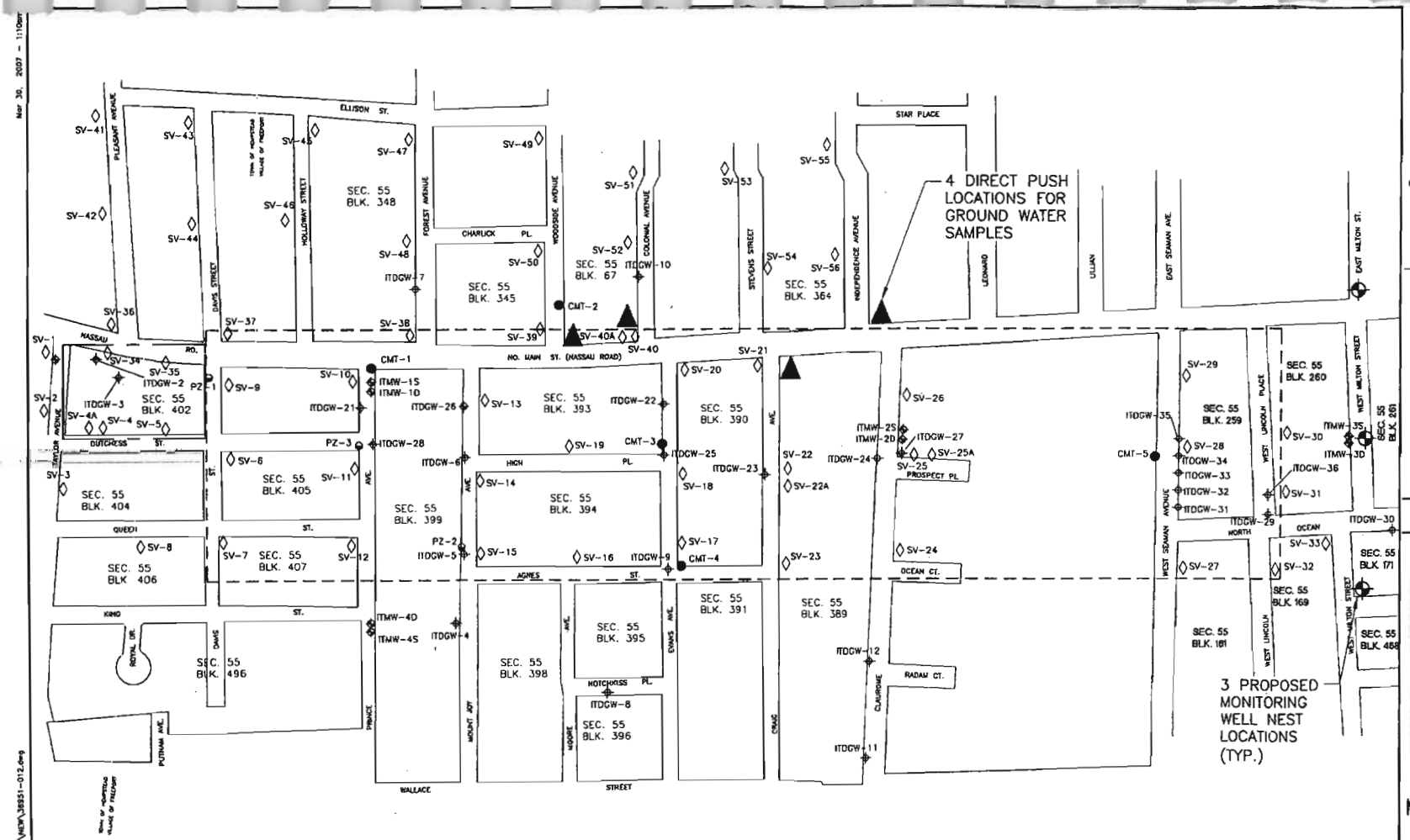
The drilling companies that will be performing the work are listed below:

Monitoring Wells: Aquifer Drilling and Testing Inc.
150 Nassau Terminal Road
New Hyde Park, NJ 11040

Sample Collection Locations: Zebra Environmental Corporation
30 N. Prospect Avenue
Lynbrook, NY 11563

5000 Brittonfield Parkway / East Syracuse, New York 13057
(315) 437-6100 / FAX (315) 463-7554 a http://www.obg.com

FIGURE 1



LEGEND:

- ● CMT-2 — EXISTING CMT MONITORING WELL
- SV-30 ◊ — EXISTING SOIL VAPOR PROBE
- TAX MAP PROPERTY LINES
- ITDGW-11 ◆ — FORMER GROUNDWATER SAMPLING LOCATION (GENERALLY NOT EXISTING)
- PZ-3 ◆ — EXISTING PIEZOMETER
- ◆ — EXISTING MONITORING WELL
- — — — OU1 BOUNDARY
- — — — — OU2 BOUNDARY

ITMW-3D		
SCREENED INTERVAL OR WELL DEPTH	PARAMETER	CONC ug/L

JIMMY'S DRY CLEANERS
NYSDEC WA#D004090-25
ROOSEVELT, NEW YORK

PROPOSED MONITORING WELL AND GROUND WATER SAMPLE LOCATIONS

0 300 600
SCALE IN FEET

FILE NO. 10653.36951.012
MARCH 2007

REFERENCE:

BASE MAP SOURCE: CHAZEN ENGINEERING & LAND SURVEYING CO., P.C. AND SHAW E&I ENGINEERING OF NY (FIGURE 1-3)

NOTES:

1. ONLY FORMER GROUNDWATER SAMPLE LOCATIONS ITDGW-1 AND ITDGW-26, PIEZOMETERS PZ-1 THRU 3, AND MONITORING WELLS 1S, 1D, 2S, 2D, 3S, 3D, 4S, AND 4D ARE STILL PRESENT.

O'BRIEN & GERE ENGINEERS INC.

APPENDIX L

Daily Field Reports for DP Well Installation and Sampling

ZEBRA

DAILY PROJECT REPORT

Project Day & Date 5-21-07

ZEBRA Office Lynbrook Crew Base Lyn Z# _____ ZEBRA Unit #/Type UU-21

CLIENT / OFFICE O'Brien & Gere Client Project # _____

PROJECT NAME Jimmy's Dry Cleaners

PROJECT LOCATION North Main St. Freeport, NY

Client PM: Mark Dent Client Site Contact: Joe Button 315-437-6100

ZEBRA PERSONNEL ON SITE:

Name/Company	Start	Arrive	Leave	Finish	Total Site Time	OT	Client Init.
Rich	6:30	8:30	3:30				
Quinn	6:00	8:30	3:30				
Other Personnel On Site:							

Description of Work (detailed):

1) Collect Soil Samples to 20' + G/W's (80, 60, 40 & 20')
2) G/W's (80, 60, 40 & 20')
3) G/W's (80, 60, 40 & 20')
4) Collect Soils Samples to 20' & G/W's (80, 60, 40, & 20')

APP. DGW:

MATERIALS	QTY. USED	UNIT	EQUIPMENT	
MC Liners	8	Liners	Drill Steel	
LB Liners		Liners	Core Drill	
1 1/4" Expendable Points	4	Points	Generator	
____" x 5' PVC Screen		PC's	GS 1000/2000 Grout Pump	
____" x 5' PVC Riser		PC's	Steam Genny	
____ PVC points		Points	Rupe Pump	
____ Flush Mount Well Box		Boxes	Water Level Indicator	
			P.I.D.	
			Trailer (Decon/Utility)	

Probe Tools Damaged / Lost:

Number of Points	Number of Samplers	Soil MC	Soil LB	GW	Wells Installed	Soil Gas	Sparge Points	Misc.
4	GAVE	8		16				

Field Verification:

ZEBRA: Rich Quinn CLIENT: (Print) Joe Button

(Sign) Joe Button

O'BRIEN & GERE

SUBJECT:	PAGE:	BY:	DATE:	JOB NUMBER:
Jimmys Dry Cleaners - NYSDEC - Direct Push GW	1	JSB	5/21/07	36951

08:00 AM - JS Bolton (OBG) arrives onsite. Drillers have not yet arrived.

0830 - Scope out all (4) locations. Will start @ location on Westside Avenue. Location names will be DP-01 through DP-04 As indicated on figure.

1000 - Drillers arrive onsite. Zebra Environmental. Rick + Quincy

0910 - Contact Leo to market locations.
- Give Leo from (existing locations) a map to check locations

0915 - Setup @ DP-01 will collect soils to 20'.

1000 - Begin driving to 80' to collect GW samples.

1015 - At depth - ~80'. Exposing screen from 76-80'.

- ~~Purge - collect sample~~ 1st sample is discrete

1040 - Collect sample for VOC analysis. (76-80'). No sheen or odor.
~0.75" inside diameter of pipe + screen.

1045 - Back sampler up to 56-60'. Purging ~2 well volumes. ~2 gallons.

10:55 Sample for VOC analysis. (56-60') No sheen or odor

11:00 - Back sampler up to 36-40'. Purging to well volumes ~1.2 gallons.

11:05 - Sample for VOC analysis (36-40') No sheen or odor

~~11:10~~ - retract sample to 16-20'.
- No sheen or odor

O'BRIEN & GERE

SUBJECT:	PAGE:	BY:	DATE:	JOB NUMBER:
Jimmy's Dry Cleaners - Direct Push GW samples	2	JSB	5/21/07	

11:15 - Collect sample for VOC analysis (16-20'). @ DP-01.
- Remobilize from hole

1135 - Begin driving geoprobe to depth at DP-04.
- will drive to 80'.

1200 - Start down to 80'. Screen retracted. Will now begin sampling

1210 - Collect sample for analysis @ (76-80'). DP-04.
- retract sampler to 60'.

1220 - collect sample for analysis @ (56-60') DP-04
- retract sampler to 40'.

1225 - collect sample for analysis @ (36-40') DP-04.
- retract sampler to 20'.

1230 - collect sample for analysis @ (16-20') DP-04.

No sheen or odor.

1250 - Setup on DP-03. Driving water sampler to depth @ 80'.

1320 - Collect sample for analysis DP-03 (76-80')
- retract sampler to 60'. Purge 2 well volumes.

1330 - collect sample for analysis @ DP-03 (56-60')
- retract sampler to 40'. Purge ~ 2 well volumes.

1335 - collect sample for analysis @ DP-03 (36-40')
- retract sampler to 20'. Purge ~ 2 well volumes.

1345 - collect sample for analysis @ DP-03 (16-20')
- Backfill hole w/ bentonite.

1410 - move to DP-02 location.

No sheen of odor.

O'BRIEN & GERE

SUBJECT:	PAGE:	BY:	DATE:	JOB NUMBER:
Jimmys Dry Cleaners	3	JSB	5/21/07	

1415 - Mobilize to DP-02. Setup to begin sampling soils to 20'.

1420 - Collect analytical sample from (8-10' bgs) @ DP-02. (soils).
~~also collect~~

1430 - Collect analytical Sample from (13-15') @ DP-02 (soils).
- also collect MS/MSD from location.

1440 - Collect analytical sample from (17-19' bgs).
- also collect Blind duplicate for soils BD-01.

1445 - Begin advancing sampler to 60ft to collect GW samples
1500 - Retract sampler to 76-80'.
1500 - Collect GW sample for VOC analyses. (76-80')
- retract Sampler to 60'. Purge ~ 2 well volumes.
1510 - Collect GW sample for VOC analyses (56-60')
- retract sampler to 40'. Purge ~ 2 well volumes.
1515 - Collect GW sample for VOC analyses (36-40')
- retract sampler to 20'. Purge ~ 2 well volumes.
1520 - Collect GW sample for VOC analyses (16-20')
1530 - Backfill hole w/ bentonite.
1600 - Begin packing samples.
1700 - offsite for day

5/21/07

O'BRIEN & GERE

SUBJECT:	PAGE:	BY:	DATE:	JOB NUMBER:
Jimmys Dry Cleaners - NYSPEC - Direct Push GW	1	JSB	5/22/07	36951

07:00 AM – Onsite. Returned to each sampling location. Marked each location with red spray paint. Locations should be GPS'd at some point in the future.

0800 – Dropped of sample tubing at Jimmys Dry Cleaners building. Began collecting garbage + cleaning staging area.

12:30 – Offsite for day.

5/22/07

APPENDIX M

Soil Boring Logs for DP Well Installation

CONFIDENTIAL SETTLEMENT DOCUMENT

O'BRIEN & GERE ENGINEERS, INC.	SOIL BORING LOG	REPORT OF BORING DP-01
Client: NYSDEC	Sampler: ~~2" Split Spoon~~ Macrocore	Location: Roosevelt, NY
Proj. Loc: Jimmys Dry Cleaners	Hammer: ~~140 lb drop~~ Geoprobe	Start Date: 5/21/07
File No.: 36951	Fall: ~~30"~~	End Date: 5/21/07
Boring Company: Zebra Environmental		Screen / Riser; Grout / Sand Pack / Bentonite
Foreman: Jack		
OBG Geologist: Joe Button		

Depth Below Grade	Sample No.	Depth (feet)	Blows /6"	Penetr/ Recovery (in ft)	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	
0	1	5	—	5/3		4" asphalt. 1' Dk brown, moist f/m Snd, little gravel. 2.5' mott Brown, f/m sand. No odor. - collect sample @ (3.5') @ 0920.	asphalt / S+G			
5	2	10		5/4		1' lt. Brown, moist f/c sand, little f/m gravel. No odor. 3". Grades into brown f/m Snd. from f/gravel. No odor. - Collect sample from (8-10') @ 930. Some layering (coarser/finer)	sand			
10	3	15		5/4		As above. may be wet @ 13'. 3" layers of varying light brown to ~~light~~ strong brown. (fine) ↔ (coarser) Collect sample @ 13-15' @ 0940.	layered sand			
15	4	20		5/5		as above. coarsening from 17-18'. Collect sample @ (17-18') in water. - ~~water~~ Saturated sample. @ 0950. - Driving water sampler to 80'. - collect 80' sample @ 1040. 60' sample @ 1055 40' sample @ 11:05 20' sample @ 1115	Gravel.			

- Backfill hole. patch location

CONFIDENTIAL SETTLEMENT DOCUMENT

O'BRIEN & GERE ENGINEERS, INC.	SOIL BORING LOG	REPORT OF BORING DP-02
Client: NYSDEC	Sampler: ~~2" Split Spoon~~ Macro core	Location: Roosevelt, NY
Proj. Loc: Jimmys Dry Cleaners	Hammer: ~~140-lb drop~~ Geoprobe	Start Date: 5/21/07
File No.: 36951	~~Fall: 30"~~	End Date: 5/21/07
Boring Company: Zebra Environmental		Screen / Riser / Grout / Sand Pack / Bentonite
Foreman: Rick		
OBG Geologist: Joe Button		

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery (In ft)	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	
0	1	5		5/1		Poor recovery. lt. brown, f/m Sand. trace f/c gravel. No odor.			—	
5	2	10		5/4		Moist, loose, lt orange/brown. f/m Sand, some f/m gravel. saturated. No odor. Sample collected from (8-10') @ 1420.	Sand / Sand + Gravel			
~~0~~	~~2~~	~~10~~		~~5/0~~						
10	3	15		5/4		as above. ~~no~~ recovery wet @ ~14'. Sample & MS/MSD Collected @ (13-15') 14:30.				
15	4	20		5/4.5		alternating 3-6" layers of light brown f/m sand. and l. orange brown f/m/c sand, trace f. gravel. no odor. saturated @ ~18'. - collected sample @ (17-19') @ 1440. - also collected Blind duplicate BD-01. for VOCs. - Drive to 80' bgs. Collect water samples @ 76-80' – 1500 56-60' – 1510 36-40' – 1515 16-20' – 1520				

APPENDIX N

Chain of Custody Records for DP Wells Sampling

MITKEM CORPORATION
175 Metro Center Boulevard
Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

COMPANY O'Brien & Gere	PHONE 315-437-6100	COMPANY O'Brien & Gere	PHONE 315-437-6100	LAB PROJECT #:
NAME Joseph Batton / Marc Peat	FAX	NAME Marc Peat	FAX	
ADDRESS 5000 Brittonfield Parkway		ADDRESS 5000 Brittonfield Parkway		TURNAROUND TIME: Standard
CITY/ST/ZIP East Syracuse, NY 13057		CITY/ST/ZIP East Syracuse, NY 13057		

CLIENT PROJECT NAME:	CLIENT PROJECT #:	CLIENT P.O.#:
J. mays Dry Cleaners	36951	

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	REQUESTED ANALYSES: 8260 (VOCs)	COMMENTS
DP-01 (76-80')	5/21/07 1040	—	X	X			01	3	X	
DP-01 (56-60')	5/21/07 1055		X	X			02	3	X	
DP-01 (36-40')	5/21/07 1105		X	X			03	3	X	
DP-01 (16-20')	5/21/07 1115		X	X			04	3	X	
DP-04 (76-80')	5/21/07 1210		X	X			05	3	X	
DP-04 (56-60')	5/21/07 1220		X	X			06	3	X	
DP-04 (36-40')	5/21/07 1225		X	X			07	3	X	
DP-04 (16-20')	5/21/07 1230		X	X			08	3	X	
DP-03 (76-80')	5/21/07 1320		X	X			09	3	X	
DP-03 (56-60')	5/21/07 1330		X	X			10	3	X	
DP-03 (36-40')	5/21/07 1335		X	X			11	3	X	
DP-03 (16-20')	5/21/07 1345		X	X			12	3	X	

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
		5/22/07 1700	- Fedex	/	Samples split between 2 coolers	4°
		/		5/23/07 9:00		
		/		/		

WHITE: LABORATORY COPY YELLOW: REPORT COPY PINK: CLIENT'S COPY

MITKEM CORPORATION
175 Metro Center Boulevard
Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

COMPANY: O'Brien & Gere Engineers	PHONE: 315-437-6100	COMPANY: SAME	PHONE	LAB PROJECT #:
NAME: Joseph Batten / Marc Dent	FAX	NAME	FAX	
ADDRESS: 5000 Brittonfield Parkway		ADDRESS		TURNAROUND TIME: Standard
CITY/ST/ZIP: East Syracuse, NY 13057		CITY/ST/ZIP		

CLIENT PROJECT NAME:	CLIENT PROJECT #:	CLIENT P.O.#:
Jimmys Dry Cleaners	36951	

REQUESTED ANALYSES

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	8260 (VOC)	COMMENTS
DP-02 (76-80')	5/21/07 / 1500		X	X			13	3	X	
DP-02 (56-60')	5/21/07 / 1510		X	X			14	3	X	
DP-02 (36-40')	5/21/07 / 1515		X	X			15	3	X	
DP-02 (16-20')	5/21/07 / 1520		X	X			16	3	X	
DP-01 (3-5')	5/21/07 / 0920		X		X			3	X	
DP-01 (8-10')	5/21/07 / 0930		X		X			3	X	
DP-01 (13-15')	5/21/07 / 0940		X		X			3	X	
~~DP-01~~	~~5/21/07 /~~		~~X~~		~~X~~			~~3~~	~~X~~	
Trip Blank	— / —		X	X					X	
	/									
	/									
	/									

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
	J. Batten	5/21/07 1700	FedEx	/	Samples split between 2 coolers	4.0
		/	[signature]	5/23/07 0900		
		/		/		

0009

WHITE: LABORATORY COPY YELLOW: REPORT COPY PINK: CLIENT'S COPY

MITKEM CORPORATION
175 Metro Center Boulevard
Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

COMPANY O'Brien & Gere Engineers	PHONE 315-437-6100	COMPANY SAME	PHONE	LAB PROJECT #:	
NAME Marc Dent	FAX	NAME	FAX		
ADDRESS 5000 Brittonfield Parkway		ADDRESS		TURNAROUND TIME: Standard	
CITY/ST/ZIP East Syracuse, NY 13057		CITY/ST/ZIP			

CLIENT PROJECT NAME: Jamis Dry Cleaners | CLIENT PROJECT #: | CLIENT P.O.#:

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	VOCs (8260)	COMMENTS
DP-02 (8-10')	5/21/07 1420		X		X		05	1	X	
DP-02 (13-15')	5/21/07 1430		X		X		06	1	X	
DP-02 (13-15') MS	5/21/07 1430		X		X		~~07~~	1	X	
DP-02 (13-15') MSD	5/21/07 1430		X		X		~~08~~	1	X	
BD-01	5/21/07 —		X		X		~~07~~ 09	1	X	
DP-02 (17-19')	5/21/07 1440		X		X		~~08~~ 10	1	X	
	/									
	/									
	/									
	/									
	/									
	/									

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
		5/22/07 1700	Fedex	/	Samples split between 2 coolers	4°
		/		~~5/22/07~~ 9:00		
		/		/		

WHITE: LABORATORY COPY YELLOW: REPORT COPY PINK: CLIENT'S COPY

APPENDIX O

Correspondence with the Village of Freeport

Marc Dent - Jimmy's Dry Cleaners Drilling Permit

File
10653/36951#2

From: Marc Dent
To: Fisenne, Rob
Date: 5/16/2007 2:53 PM
Subject: Jimmy's Dry Cleaners Drilling Permit

Rob,

I just wanted to let you know that I originally planned on installing the monitoring wells in the grassy area between the sidewalk and the curb. At one of the monitoring well locations on East Milton St. we may have to drill through a sidewalk because there isn't any grassy area that is accessible to us. The driller (ADT) will replace the concrete to original conditions or better.

Please let me know if I have to modify my permit application regarding this issue. (315 437-6100 ext. 2258)

Thanks
Marc Dent
O'Brien & Gere Engineers

APPENDIX P

Daily Field Reports for MW Well Installation and Sampling

YEC, INC.

PAGE 1 OF 1

DAILY Field REPORT

DATE 5/15/07 ☼ 65°
PROJECT #
PROJECT Jimmy's Dry Cleaner
CLIENT O' Brien & Gere
PROJECT SITE Freeport, NY
PROJECT MANAGER Marc Dent
PERSONAL Dan Simpson, Joe Button, Shawn Miller, Frank

TIME	Field ACTIVITIES
0900	Dan/Joe on site.
0930	ADT drillers onsite
0940	Discussed staging area on Jimmy's property and drum storage location within the landscaper lot.
1009	Proposed location on W. Milton was moved to the North side, due to utilities (to 26 W. Milton). Pictures taken prior
1100	Began hand clearing first 5' at MW-2 location.
1200	At 25' water was [redacted] pumped down hole to control flowing sand.
1230	Water pump brake, waited for ADT mechanic
1300	Lunch
1330	Back from lunch, mechanic on site
1415	ADT mechanic unable to make repairs, drilling will continue tomorrow
1430	Area was roped off
1500	All personal offsite

Report prepared by Dan Lyz Title Staff Geologist

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YEC, INC.

DAILY Field REPORT

DATE 5/16/07

75-85°

PROJECT # \

PROJECT Jimmy's Dry Cleaner

CLIENT O' Brien & Gere

PROJECT SITE Freeport, NY

PROJECT MANAGER Marc Dent

PERSONAL Dan Simpson, Joe Button, Shawn Miller, Frank

TIME	Field ACTIVITIES
0800	All personal on site, cars parked in and near drilling area had to be moved. Pump was fixed at ADT overnight.
0830	Rig set up on hole. Water was fremie. Pumped to clear sed. from augers
0945	Hammer cable came off boom pully drilling stopped.
1000	Continued drilling/sampling from 65'
1030	Dan offsite to get rental equipment from hotel
1057	Dan back on site
1150	Lunch
1230	Back from lunch, Joe offsite
1245	Rig developed a hydraulic leak (caught with pads), sent to ADT for repairs
1330	Drums (4) taken to landscape lot
1400	All personal offsite

Report prepared by Dan Simpson Title Staff Geologist

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YEC, INC.

PAGE 1 OF 1

DAILY Field REPORT

DATE 5/17/07 ☼ 65°
PROJECT #
PROJECT Jimmy's Dry Cleaner
CLIENT O' Brien & Gere
PROJECT SITE Freeport, NY
PROJECT MANAGER Marc Dent
PERSONAL Dan Simpson, Shawn Miller, Frank

TIME	Field ACTIVITIES
0700	Drillers called Dan to notify that rig repairs wouldn't be completed until after 10 am
0900	Ed Cheh (YEC) notified of delays
1130	Dan on site
1200	Drillers on site set up on MW-2
1220	Augers were tremie pumped of accumulated sediment
1345	15 min. break for drillers
1400	Continued drilling
1425	Rig out of water unable to wash out augers (gravel/sand), samples hindered.
1530	At 200', began site clean up.
1600	All offsite

Report prepared by Dan Lize Title Staff Geologist

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YEC, INC.

DAILY Field REPORT

DATE 5/18/07
PROJECT #
PROJECT Jimmy's Dry Cleaner
CLIENT O' Brien & Gere
PROJECT SITE Freeport, NY
PROJECT MANAGER Marc Dent
PERSONAL Dan Simpson, Shawn Miller, Frank

TIME	Field ACTIVITIES
0800	Drillers on site
0810	Dan on site
0900	Set up on MW-2 after getting some cars moved from being parked on W. Milton
0935	Over drilled to 210' and washed out augers with tremie pipe
1010	Began screen installation / assembly.
1100	Began auger extraction
1225	Lunch
1315	Back from lunch, continued auger extraction
1430	All augers out of the ground
1440	Began site clean up and auger decon.
1530	Brought drums over to landscape lot on Taylor Ave. 14 Soil
1616	All off site

Report prepared by Heidi Hyde Title Staff Geologist

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DAILY Field REPORT

DATE 5/21/07
PROJECT #
PROJECT Jimmy's Dry Cleaner
CLIENT O' Brien & Gere
PROJECT SITE Freeport, NY
PROJECT MANAGER Marc Dent
PERSONAL Dan Simpson, Shawn Miller, Frank.

TIME	*Field ACTIVITIES*
0830	Shawn / Frank on site
0900	Dan on site
0930	Installed grundfos pump and tubing to 200', purged one well volume
1010	Sampled MW-2(200)
1030	Pulled the pump and moved screen to 190', after decon, reinstalled pump.
1055	Sampled MW-2(190)
1130	Sampled MW-2(180)
1145	Lunch
1230	Back from lunch, moved screen to 170'
1300	Sampled MW-2(170) and MS/MSD
1340	Sampled MW-2(160)
1420	Sampled MW-2(150)
1445	Sampled MW-2(140)
1515	Sampled MW-2(130)
1530	Began site clean up
1600	All offsite

Report prepared by Dan Simpson Title Staff Geologist

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PAGE___ OF___

DAILY Field REPORT

DATE 5/22/07
PROJECT #
PROJECT Jimmy's Dry Cleaner
CLIENT O" Brien & Gere
PROJECT SITE Freeport, NY
PROJECT MANAGER Marc Dent
PERSONAL Dan Simpson, Shawn Miller, Frank

70°

TIME	Field ACTIVITIES
0800	Dan Simpson and drillers on site
0815	Set up on MW-2 (130)
0830	Pulled screen to 120'.
0910	Sampled MW-2 (120)
0925	Sampled MW-2 (110)
0945	Sampled MW-2 (100) and X-1 duplicate
1015	Sampled MW-2 (90)
1045	Sampled MW-2 (80)
1105	Sampled MW-2 (70)
1125	Sampled MW-2 (60)
1200	Lunch
1245	Continued sampled
1300	Sampled MW-2 (50)
1310	Sampled MW-2 (40)
1320	Sampled MW-2 (30).
1345	Sampled MW-2 (20)
1400	Began site clean up
	* Brought 10 drums of purge water from MW-2 to Jimmy's lot
1420	IDW Soil drums sampled from MW-2 (IWD-1)
1440	Moved rig to MW-3 location
1545	All off site

Report prepared by Dan Kyn Title Staff Geologist

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YEC, INC.

DAILY Field REPORT

DATE 5/23/07
PROJECT #
PROJECT Jimmy's Dry Cleaner
CLIENT O" Brien & Gere
PROJECT SITE Freeport, NY
PROJECT MANAGER Marc Dent
PERSONAL Dan Simpson, Shawn Miller, Chris

65-78

TIME	Field ACTIVITIES
0800	Dan Simpson and drillers on site
0810	Set up on MW-3 to sample soil to 150' (N. Ocean Ave)
0915	Hand cleared utilities using a post hole digger.
1010	At 30' (S-8) the hammer cable got stuck in the winch
1110	Continued sampling
1145	Lunch
1245	Continued sampling from 50'
1435	At 90' began site clean up
1509	(4) Drums of soil brought over to Jimmy's lot
1600	All offsite

Report prepared by Dan Simpson Title Staff Geologist

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YEC, INC.

DAILY Field REPORT

DATE 5/24/07
PROJECT #
PROJECT Jimmy's Dry Cleaner
CLIENT O" Brien & Gere
PROJECT SITE Freeport, NY
PROJECT MANAGER Marc Dent
PERSONAL Dan Simpson, Shawn Miller, Chris

65°

TIME	Field ACTIVITIES
0800	Dan on Site
0830	Drillers on site, set up on MW-3 to continue sampling from 90'
1005	10 min. break at 125'
1120	At 152' augers were washed out to clear accumulated sediment
1145	Began screen installation to 150'
1212	Began auger extraction
1220	Lunch
1320	Back from lunch, screen had to be removed and reset 3 times before it stayed down to depth.
1525	Drillers offsite
1606	YEC offsite after Jimmy's Monthly monitoring

Report prepared by Dan Simpson Title Staff Geologist

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PAGE 1 OF 1

DAILY Field REPORT

DATE 5/25/07
PROJECT #
PROJECT Jimmy's Dry Cleaner
CLIENT O' Brien & Gere
PROJECT SITE Freeport, NY
PROJECT MANAGER Marc Dent
PERSONAL Dan Simpson, Shawn Miller, Chris M.

82°

TIME	Field ACTIVITIES
0800	All on site
0810	Filled water tank
0830	Removed screen and washed out augers to 150'
0930	Reinstalled screen to 150'
1020	Began to extract augers and set screen
1200	Lunch
1310	Back from lunch continued auger extraction
1330	Began site clean up
	* (4) Soil drums from MW-3 brought to landscape lot.
1520	All offsite

Report prepared by Dan Lyn Title Staff Geologist

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YEC, INC.

DAILY Field REPORT

DATE 5/29/07
PROJECT #
PROJECT Jimmy's Dry Cleaner
CLIENT O" Brien & Gere
PROJECT SITE Freeport, NY
PROJECT MANAGER Marc Dent
PERSONAL Dan Simpson, Shawn Miller

70°

TIME	Field ACTIVITIES
0730	Shawn on site
0830	Dan on site
0900	set up rig over well location
0935	Began purging
0950	Sampled MW-3(150)
1020	Sampled MW-3(140)
1045	Sampled MW-3(130)
1105	Sampled MW-3(120)
1130	Sampled MW-3(110)
1145	Lunch
1300	Sampled MW-3(100)
1328	Sampled MW-3(90)
1350	Sampled MW-3(80), began site clean up
1450	All offsite

Report prepared by Paul Lipson Title Staff Geologist

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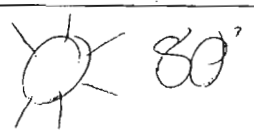
YEC, INC.

DAILY Field REPORT

DATE 5/30/07
PROJECT #
PROJECT Jimmy's Dry Cleaner
CLIENT O" Brien & Gere
PROJECT SITE Freeport, NY
PROJECT MANAGER Marc Dent
PERSONAL Dan Simpson, Joe M., Shawn Miller



TIME	Field ACTIVITIES
	*FedEX held samples, Dan went to pick them up and repack on ice
0800	Shawn, Joe on site
0930	Dan on site, rig blew a fuse, drillers offsite for the quick repair
1000	Drillers back on site, screen pulled to 70'
1020	Sampled MW-3 (70)
1040	Sampled MW-3(60), and X-2
1050	Sampled MW-3 (50)
1107	Sampled MW-3(40)
1130	Sampled MW-3(30)
1150	Sampled MW-3(20)
1205	Joe offsite
1212	Lunch
	*(3) drums of purge water generated from MW-3
1320	Back from lunch set up on MW-1
1415	WD-2 sampled from MW-3 drummed soil cuttings
1440	Began site cleanup
1500	All offsite

Report prepared by [signature] Title Staff Geologist

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YEC, INC.

DAILY Field REPORT

DATE 5/31/07

PROJECT #

PROJECT Jimmy's Dry Cleaner

CLIENT O'Brien & Gere

PROJECT SITE Freeport, NY

PROJECT MANAGER Marc Dent

PERSONAL Dan Simpson, Shawn Miller, Joe Magill

TIME	Field ACTIVITIES
0800	Joe/Dan on site
0850	Shawn on site
0900	Decon. augers
0910	Filled Water tank
0940	Hand cleared first 5' of MW-1
1010	Petroleum odor and slippery texture from soil samples 5'-15'
	*near water table avg PID hit = 700 PPM
1040	Stopped drilling at 15', called Marc Dent (OBG)
	* The dicussion was agreed to discontinue sampling at 15' and not add water down hole which overflows and spreads the containment
1100	Removed augers, plugged lead auger and drilled straight to 150'.
1120	Lunch
1200	Drilling continued
1300	15 min. break
1430	Began Steel screen installation
1500	Filled augers half way with water and popped out plug
1515	Began site clean up
	* (7) drums of soil cuttings were generated at MW-1
1535	All offsite

Report prepared by [signature] Title Staff Geologist

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PAGE 1 OF 1

DAILY Field REPORT

DATE 6/1/07
PROJECT # \
PROJECT Jimmy's Dry Cleaner
CLIENT O' Brien & Gere
PROJECT SITE Freeport, NY
PROJECT MANAGER Marc Dent
PERSONAL Dan Simpson, Shawn Miller, Joe

78°

TIME	Field ACTIVITIES
0800	Dan Simpson, Shawn Miller, Joe on site
0810	70 drums of soil brought to landscape lot
0900	Continued auger extraction
1140	Lunch
1230	Back on site
1322	Began purging MW-1 (150)
1340	Sampled MW-1 (150)
1411	Sampled MW-1 (140)
1445	Sampled MW-1 (130)
1450	Began site cleanup
1510	All offsite

Report prepared by [signature] Title Staff Geologist

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YEC, INC.

DAILY Field REPORT

DATE 6/4/07

70°

PROJECT #

PROJECT Jimmy's Dry Cleaner

CLIENT O'Brien & Gere

PROJECT SITE Freeport, NY

PROJECT MANAGER Marc Dent

PERSONAL Dan Simpson, Shawn Miller, Joe

TIME	*Field ACTIVITIES*
0800	Shawn / Joe on site
0950	Dan on site
1030	Shawn offsite, to go to ADT
1100	Sampled MW-1 (120)
1125	Sampled MW-1 (110) and MS/MSD
1145	Sampled MW-1 (100)
1215	Sampled MW-1 (90)
1240	Sampled MW-1 (80)
1300	Sampled MW-1 (70)
1325	Sampled MW-1 (60)
1345	Sampled MW-1 (50)
1407	Sampled MW-1 (40)
1425	Sampled MW-1 (30)
1500	Sampled MW-1 (20)
1515	Began site clean up
	* (4) Drums of purge water from MW-1 generated
1540	Joe / Dan offsite

Report prepared by Daniel Lyn Title Staff Geologist

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YEC, INC.

DAILY Field REPORT

DATE 6/5/07

PROJECT # \

PROJECT Jimmy's Dry Cleaner

CLIENT O' Brien & Gere

PROJECT SITE Freeport, NY

PROJECT MANAGER Marc Dent

PERSONAL Dan Simpson, Shawn Miller, Joe M.

80°

TIME	Field ACTIVITIES
0900	Dan on site
0820	Drillers on site
0830	Loaded support truck to move to MW-2 location
0900	Drillers offsite to get keys for drill rig.
0930	WD-3 sampled from MW-1 soil drums
1130	Drillers back on site
1200	Decon 4¼ augers
1212	Began drilling MW-2d to 120'
1340	At 105' the drive shaft on the drill rig broke and could not be fixed in the field
1400	Prepared rig for it's driver back to ADT, began site clean up left augers in the ground
1600	Posted DEC Notice on the Deli and cleaner doors All offsite

Report prepared by Dan Ryan Title Staff Geologist

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YEC, INC.

DAILY Field REPORT

DATE 6/6/07 ☁ 72°
PROJECT #
PROJECT Jimmy's Dry Cleaner
CLIENT O' Brien & Gere
PROJECT SITE Freeport, NY
PROJECT MANAGER Marc Dent
PERSONAL Dan Simpson, Shawn Miller, Joe M.

TIME	Field ACTIVITIES
0800	Dan on site
0940	Shawn / Joe on site
0945	Set rig up on MW-2 to continue drilling to 120'
1040	At 120' (mea. with weighted tape). Blockage at 93' was hammered out
1111	Began auger extraction / installation of well
1130	Began ~~auger~~ adding 12' of Sand
1200	Mixed grout and tremie pumped 108-2' interval
1230	Lunch
1330	Back from lunch, continued auger extraction (MW-2d)
1400	Installed MW-25' at 25' within the same hole to the east of MW-2d
1435	Began site cleanup, hole covered by steel plate
1515	All offsite

Report prepared by Dan Lipsey Title Staff Geologist

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PAGE 1 OF 1

DAILY Field REPORT

DATE 6/7/07
PROJECT # \
PROJECT Jimmy's Dry Cleaner
CLIENT O' Brien & Gere
PROJECT SITE Freeport, NY
PROJECT MANAGER Marc Dent
PERSONAL Dan Simpson, Shawn Miller, Joe M.

70°

TIME	Field ACTIVITIES
0730	Shawn/Joe on site, set up on MW-2I (90')
0800	Dan on site
0900	Hand cleared first 5', installed plug in lead auger. Began drilling to 90'
1100	At 90' (mea. with weighted tape), popped out the plug with the hammer. Began well construction/installation.
1120	Began auger extraction
1130	Added 2' of sand back around screen, tremie pumped grout to 3'
1146	Continued auger extraction
1210	All augers out. Lunch
1323	Back from lunch, began site clean up, backfilled MW-2I (3) drums of soil generated
1500	Drill rig offsite due to a leak, manholes (3) installed
1600	All offsite

Report prepared by Dan Simpson Title Staff Geologist

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YEC, INC.

DAILY Field REPORT

DATE 6/8/07
PROJECT #
PROJECT Jimmy's Dry Cleaner
CLIENT O' Brien & Gere
PROJECT SITE Freeport, NY
PROJECT MANAGER Marc Dent
PERSONAL Dan Simpson, Shawn Miller, Joe M.

TIME	Field ACTIVITIES
0900	* Drillers notified Dan that the rig was under repair this morning
1030	Dan / Joe on site
1200	Shawn on site with the drill rig. Set up on MW-3
1325	Break (5 min.)
1345	At 75' began site clean up.
1430	Rig parked in the Jimmy's parking lot
1515	All offsite.

Report prepared by Dan Simpson Title Staff Geologist

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YEC, INC.

DAILY Field REPORT

DATE 6/11/07 ☼ 75°
PROJECT # \
PROJECT Jimmy's Dry Cleaner
CLIENT O' Brien & Gere
PROJECT SITE Freeport, NY
PROJECT MANAGER Marc Dent
PERSONAL Dan Simpson, Shawn Miller, Joe Magill

TIME	Field ACTIVITIES
0800	Joe/Shawn on site set up to continue drilling to 120' for MW-3d
0900	Dan on site
0930	Reached 120' (mea. with weighted tape), hammered out the plug. Began well construction and installation
1000	Began auger extraction, added 12' of sand (2' above screen)
1100	All augers are out
1130	Set up to drill MW-3I to 100' to the south of MW-3d
1145	Began drilling
1300	At a depth of 102', Lunch
1340	Back from lunch, began well construction/installation
1400	Began auger extraction, 12' of sand added around screen
1418	Grout mixed (2-bags bentonite/35 gal.) and tremie pumped down hole
1430	Continued to extract augers
1440	lead auger had clay on it. Well may be set in or on a clay layer
1500	Began site clean up, left the rig on hole. (4) Drums generated
1535	All off site

Report prepared by Paul Inzin Title Staff Geologist

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YEC, INC.

PAGE 1 OF 1

DAILY Field REPORT

DATE 6/12/07

PROJECT #

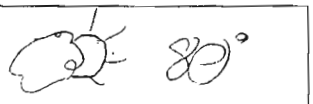
PROJECT Jimmy's Dry Cleaner

CLIENT O'Brien & Gere

PROJECT SITE Freeport, NY

PROJECT MANAGER Marc Dent

PERSONAL Dan Simpson, Joe / Shawn Miller



TIME	Field ACTIVITIES
0830	All on site, set up on MW-35
0900	Began drilling to 35'
0930	At 35', began well construction / installation
0935	Began auger extraction, added 12' of sand
0955	All augers out, began location clean up
1030	Moved over to E. Milton and set up on MW-1d to 120'
1100	Began drilling to 120'
1220	At 120' lunch
1321	Back from lunch, began well construction. Added water to augers and hammered out plug
1330	Installed well to 120', began auger extraction
1340	Added 12' sand
1355	Tremie pumped grout to 108 - 3' interval
1455	All augers out
1450	On 5/3/07 Marc Dent called in a spill to NYSDEC about the found product at MW-1
	NYSDEC spill response rep on site to investigate
1500	All off site

Report prepared by Daniel Lyon Title Staff Geologist

YEC, Inc
612 Corporate Way
Valley Cottage, NY 10989

Phone: (845) 268-3203
Fax: (845) 268-5313

YEC, INC.

DAILY Field REPORT

DATE 6/13/07

PROJECT #

PROJECT Jimmy's Dry Cleaner

CLIENT O'Brien & Gere

PROJECT SITE Freeport, NY

PROJECT MANAGER Marc Dent

PERSONAL Dan Simpson, Shawn Miller, Joe, John Robinson, Dan P.

TIME	Field ACTIVITIES
0800	Dan on site
0830	Shawn, Joe on site
0835	Set up on MW-1 to the north of MW-1d
0903	Began drilling to 90' MW-1I
1030	At 90' filled augers with water, John/Dan onsite for well detel.
1100	Lunch
1205	Back from lunch, installed screen and added 12' of Sand
1210	Tremie pumped grout down hole to 5', continued pulling augers
1230	All augers out
1240	Set up on MW-1S to drill to 30'
1300	Began drilling to 30'.
1320	At 30' installed 2" well, added 12' sand, began extracting augers
1340	All augers out, grout added to open hole
1400	Began site clean up
1450	Joe/Shawn offsite
1540	Dan offsite

Report prepared by Chad Lopez Title Staff Geologist

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APPENDIX Q

Soil Boring Logs for MW Well Installation

Yec, Inc.
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Boring Log

Project: Jimmy's Dry Cleaner	Client: O' Brien & Gere	Page 1 of 2			Sketch:
Location: Freeport, NY	Job Number:				
Boring: MW-1	Total Depth: 15'				
Drilling Co. ADT		Sample	Core	Casing	
Driller: Shawn Miller	Type	Split Spoon			
Drilling Method: HAS	DIA.	2			
Date: 5/31/07	Weight	130 lb			
Inspector: DRS	Fall	30"			

Depth (ft)	Sample	Blow Count	Penetration/ Recovery	Geologic Descripton	Class USCS	Remarks
1	S-1		2/2	Brown silty SAND		PID = 0.0 PPM Dry loose
2						
3	S-2		2/2	Brown (mf) SAND		PID = 0.0 PPM Dry loose
4						
5						
6	S-3		2/1.5	Brown silty (fine) SAND		PID = 688 PPM wet loose non-plastic * Petroleum odor
7				Brown (cm) SAND, some (mf) sub-angular to rounded gravel		
8						
9	S-4		2/1.3			PID = 738 PPM wet loose non-plastic
10						
11						
12						

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Boring Log

Project: Jimmy's Dry Cleaner	Client: O' Brien & Gere	Page 4 of 17			Sketch:
Location: Freeport, NY	Job Number:				
Boring: MW-2	Total Depth: 200'				
Drilling Co. ADT		Sample	Core	Casing	
Driller: Shawn Miller	Type	Split Spoon			
Drilling Method: HAS	DIA.	2			
Date: 5/16/07	Weight	130 lb			
Inspector: DRS	Fall	30"			

Depth (ft)	Sample	Blow Count	Penetration/ Recovery	Geologic Descripton	Class USCS	Remarks
37						
38				38'		
39	S-10		2/1	Brown (cm) SAND, some (cmf) angular to rounded gravel		PID = 0.0 ppm Saturated loose non-plastic
40						
41						
42						
43						
44	S-11		2/1			PID = 0.0 ppm Saturated loose non-plastic
45						
46						
47						
48				48'		

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Boring Log

Project: Jimmy's Dry Cleaner	Client: O' Brien & Gere	Page 5 of 17			Sketch:
Location: Freeport, NY	Job Number:				
Boring: MW-2	Total Depth: 200'				
Drilling Co. ADT		Sample	Core	Casing	
Driller: Shawn Miller	Type	Split Spoon			
Drilling Method: HAS	DIA.	2			
Date: 5/16/07	Weight	130 lb			
Inspector: DRS	Fall	30"			

Depth (ft)	Sample	Blow Count	Penetration/ Recovery	Geologic Descripton	Class USCS	Remarks
49	S-12		2/.8	Brown (cmf) SAND, trace (mf) sub-rounded gravel		PID = .3 ppm Saturated loose non-plastic
50						
51						
52						
53						
54	S-13		2/.3			PID = .1 PPM Saturated loose non-plastic
55						
56						
57						
58				58'		
59	S-14		2/.4	Brown (f) SAND		PID = .4 PPM Saturated loose non-plastic
60						

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Boring Log

Project: Jimmy's Dry Cleaner	Client: O' Brien & Gere	Page 6 of 17			Sketch:
Location: Freeport, NY	Job Number:				
Boring: MW-2	Total Depth: 200'				
Drilling Co. ADT		Sample	Core	Casing	
Driller: Shawn Miller	Type	Split Spoon			
Drilling Method: HAS	DIA.	2			
Date: 5/16/07	Weight	130 lb			
Inspector: DRS	Fall	30"			

Depth (ft)	Sample	Blow Count	Penetration/ Recovery	Geologic Descripton	Class USCS	Remarks
61						
62						
63						
64	S-15		2/0			
65						
66						
67						
68						
69	S-16		2/.5			PID = .8 PPM saturated loose non-plastic
70						
71						
72						

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Boring Log

Project: Jimmy's Dry Cleaner	Client: O' Brien & Gere	Page 7 of 17			Sketch:
Location: Freeport, NY	Job Number:				
Boring: MW-2	Total Depth: 200'				
Drilling Co. ADT		Sample	Core	Casing	
Driller: Shawn Miller	Type	Split Spoon			
Drilling Method: HAS	DIA.	2			
Date: 5/16/07	Weight	130 lb			
Inspector: DRS	Fall	30"			

Depth (ft)	Sample	Blow Count	Penetration/ Recovery	Geologic Descripton	Class USCS	Remarks
73						
74	S-17		7/.8			PID = .7 PPM saturated loose non-plastic
75						
76						
77						
78				78'		
79	S-18		2/.7	Brown (mf) SAND		PID = .2 PPM saturated loose non-plastic
80						
81						
82						
83						
84	S-19		2/0			

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Boring Log

Project: Jimmy's Dry Cleaner	Client: O' Brien & Gere	Page 8 of 17			Sketch:
Location: Freeport, NY	Job Number:				
Boring: MW-2	Total Depth: 200'				
Drilling Co. ADT		Sample	Core	Casing	
Driller: Shawn Miller	Type	Split Spoon			
Drilling Method: HAS	DIA.	2			
Date: 5/16/07	Weight	130 lb			
Inspector: DRS	Fall	30"			

Depth (ft)	Sample	Blow Count	Penetration/ Recovery	Geologic Descripton	Class USCS	Remarks
85	S-19		2/0			
86						
87						
88						
89	S-20		2/.2			PID = 7 PPM Saturated loose non-plastic
90						
91						
92						
93						
94	S-21		2/0			
95						
96						

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Boring Log

Project: Jimmy's Dry Cleaner	Client: O' Brien & Gere	Page 9 of 17			Sketch:
Location: Freeport, NY	Job Number:				
Boring: MW-2	Total Depth: 200'				
Drilling Co. ADT		Sample	Core	Casing	
Driller: Shawn Miller	Type	Split Spoon			
Drilling Method: HAS	DIA.	2			
Date: 5/16/07	Weight	130 lb			
Inspector: DRS	Fall	30"			

Depth (ft)	Sample	Blow Count	Penetration/ Recovery	Geologic Descripton	Class USCS	Remarks
97						
98						
99	S-22		2/0			
100						
101						
102						
103						
104	S-23		2/0			
105						
106						
107						
108						

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Boring Log

Project: Jimmy's Dry Cleaner	Client: O' Brien & Gere	Page 10 of 17			Sketch:
Location: Freeport, NY	Job Number:				
Boring: MW-2	Total Depth: 200'				
Drilling Co. ADT		Sample	Core	Casing	
Driller: Shawn Miller	Type	Split Spoon			
Drilling Method: HAS	DIA.	2			
Date: 5/17/07	Weight	130 lb			
Inspector: DRS	Fall	30"			

Depth (ft)	Sample	Blow Count	Penetration/ Recovery	Geologic Descripton	Class USCS	Remarks
109	S-24		2/0			
110						
111						
112						
113						
114	S-25		2/0			
115						
116						
117						
118				118'		
119	S-26		2/.3	Brown (f) SAND AND (cm) sub-angular to rounded Gravel		PID = .2 PPM Saturated loose non-plastic
120						

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Boring Log

Project: Jimmy's Dry Cleaner	Client: O' Brien & Gere	Page 11 of 17			Sketch:
Location: Freeport, NY	Job Number:				
Boring: MW-2	Total Depth: 200'				
Drilling Co. ADT		Sample	Core	Casing	
Driller: Shawn Miller	Type	Split Spoon			
Drilling Method: HAS	DIA.	2			
Date: 5/17/07	Weight	130 lb			
Inspector: DRS	Fall	30"			

Depth (ft)	Sample	Blow Count	Penetration/ Recovery	Geologic Descripton	Class USCS	Remarks
121						
122						
123						
124	S-27		2/1			PID = .5 PPM Saturated loose non-plastic
125						
126						
127						
128				128'		
129	S-28		2/1	Brown silty (f) SAND, some (cm) sub-angular to rounded gravel		PID = 1.8 PPM Saturated loose non-plastic
130						
131						
132						

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Boring Log

Project: Jimmy's Dry Cleaner	Client: O' Brien & Gere	Page 12 of 17			Sketch:
Location: Freeport, NY	Job Number:				
Boring: MW-2	Total Depth: 200'				
Drilling Co. ADT		Sample	Core	Casing	
Driller: Shawn Miller	Type	Split Spoon			
Drilling Method: HAS	DIA.	2			
Date: 5/17/07	Weight	130 lb			
Inspector: DRS	Fall	30"			

Depth (ft)	Sample	Blow Count	Penetration/ Recovery	Geologic Descripton	Class USCS	Remarks
133				133'		
134	S-29		2/.2	Brown silty (f) SAND		PID = .1 PPM Saturated loose non-plastic
135						
136						
137						
138				138'		
139	S-30		2/.1	Brown (f) SAND		PID = 0.0 PPM Saturated loose non-plastic
140						
141						
142						
143						
144	S-31		2/0			

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Boring Log

Project: Jimmy's Dry Cleaner	Client: O' Brien & Gere	Page 13 of 17			Sketch:
Location: Freeport, NY	Job Number:				
Boring: MW-2	Total Depth: 200'				
Drilling Co. ADT		Sample	Core	Casing	
Driller: Shawn Miller	Type	Split Spoon			
Drilling Method: HAS	DIA.	2			
Date: 5/17/07	Weight	130 lb			
Inspector: DRS	Fall	30"			

Depth (ft)	Sample	Blow Count	Penetration/ Recovery	Geologic Descripton	Class USCS	Remarks
145	S-31		2/0			
146						
147						
148				148'		
149	S-32		2/1	Gray Clay		PID = 0.0 PPM wet Compact Plastic
150				149'11"		
151				Gray (f) SAND		Compact non-Plastic
152						
153						
154	S-33		2/0			
155						
156						

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Boring Log

Project: Jimmy's Dry Cleaner	Client: O' Brien & Gere	Page 14 of 17			Sketch:
Location: Freeport, NY	Job Number:				
Boring: MW-2	Total Depth: 200'				
Drilling Co. ADT		Sample	Core	Casing	
Driller: Shawn Miller	Type	Split Spoon			
Drilling Method: HAS	DIA.	2			
Date: 5/17/07	Weight	130 lb			
Inspector: DRS	Fall	30"			

Depth (ft)	Sample	Blow Count	Penetration/ Recovery	Geologic Descripton	Class USCS	Remarks
157						
158						
159	S-34		2/0			
160						
161						
162						
163						
164	S-35		2/0			
165						
166						
167						
168						

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Boring Log

Project: Jimmy's Dry Cleaner	Client: O' Brien & Gere		Page 15 of 17		Sketch:
Location: Freeport, NY	Job Number:				
Boring: MW-2	Total Depth: 200'				
Drilling Co. ADT		Sample	Core	Casing	
Driller: Shawn Miller	Type	Split Spoon			
Drilling Method: HAS	DIA.	2			
Date: 5/17/07	Weight	130 lb			
Inspector: DRS	Fall	30"			

Depth (ft)	Sample	Blow Count	Penetration/ Recovery	Geologic Descripton	Class USCS	Remarks
169	S-36		2/0			
170						
171						
172						
173						
174	S-37		2/0			
175						
176						
177						
178						
179	S-38		2/0			
180						

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Boring Log

Project: Jimmy's Dry Cleaner	Client: O' Brien & Gere	Page 16 of 17			Sketch:
Location: Freeport, NY	Job Number:				
Boring: MW-2	Total Depth: 200'				
Drilling Co. ADT		Sample	Core	Casing	
Driller: Shawn Miller	Type	Split Spoon			
Drilling Method: HAS	DIA.	2			
Date: 5/17/07	Weight	130 lb			
Inspector: DRS	Fall	30"			

Depth (ft)	Sample	Blow Count	Penetration/ Recovery	Geologic Descripton	Class USCS	Remarks
181						
182						
183						
184	S-39		2/0			
185						
186						
187						
188						
189	S-40		2/0			
190						
191						
192						

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Boring Log

Project: Jimmy's Dry Cleaner	Client: O' Brien & Gere		Page 12 of 17		Sketch:
Location: Freeport, NY	Job Number:				
Boring: MW-2	Total Depth: 200'				
Drilling Co. ADT		Sample	Core	Casing	
Driller: Shawn Miller	Type	Split Spoon			
Drilling Method: HAS	DIA.	2			
Date: 5/17/07	Weight	130 lb			
Inspector: DRS	Fall	30"			

Depth (ft)	Sample	Blow Count	Penetration/ Recovery	Geologic Descripton	Class USCS	Remarks
193						
194	S-41		2/0			
195						
196						
197						
198						
199	S-42		2/0			
200				End of Sampling		
201						
202						
203						
204						

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Boring Log

Project: Jimmy's Dry Cleaner	Client: O' Brien & Gere	Page 1 of 13			Sketch:
Location: Freeport, NY	Job Number:				
Boring: MW-3	Total Depth: 150'				
Drilling Co. ADT		Sample	Core	Casing	
Driller: Shawn Miller	Type	Split Spoon			
Drilling Method: HAS	DIA.	2			
Date: 5/23/07	Weight	130 lb			
Inspector: DRS	Fall	30"			

Depth (ft)	Sample	Blow Count	Penetration/ Recovery	Geologic Descripton	Class USCS	Remarks
1	S-1		2/2	Organic material 3" Brown silty (mf) SAND		PID = 0.0 PPM Dry loose
2						
3	S-2		2/2			PID = 0.0 PPM Dry loose
4						
5						
6	S-3		2/1	6' Brown to Orange (cmf) SAND		PID = 2.2 PPM moist loose non-plastic
7						
8						
9	S-4		2/1			PID = 2.1 PPM Dry loose
10						
11						
12						

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Boring Log

Project: Jimmy's Dry Cleaner	Client: O' Brien & Gere		Page 2 of 13		Sketch:
Location: Freeport, NY	Job Number:				
Boring: MW-3	Total Depth: 150'				
Drilling Co. ADT		Sample	Core	Casing	
Driller: Shawn Miller	Type	Split Spoon			
Drilling Method: HAS	DIA.	2			
Date: 5/23/07	Weight	130 lb			
Inspector: DRS	Fall	30"			

Depth (ft)	Sample	Blow Count	Penetration/ Recovery	Geologic Descripton	Class USCS	Remarks
13						PID = 3.6 PPM moist loose non-Plastic
14	S-5		2/0.7	14' Brown-Orange (cmf) SAND, few (fn) rounded gravel		
15						
16						
17						
18						
19	S-6		2/1.5			
20						
21						
22						
23				23'		
24	S-7		2/2	Brown-Tan (cmf) SAND AND (cmf) rounded GRAVEL		PID = 4.1 PPM Saturated loose non-Plastic

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Boring Log

Project: Jimmy's Dry Cleaner	Client: O' Brien & Gere		Page 3 of 13		Sketch:
Location: Freeport, NY	Job Number:				
Boring: MW-3	Total Depth: 150'				
Drilling Co. ADT		Sample	Core	Casing	
Driller: Shawn Miller	Type	Split Spoon			
Drilling Method: HAS	DIA.	2			
Date: 5/23/07	Weight	130 lb			
Inspector: DRS	Fall	30"			

Depth (ft)	Sample	Blow Count	Penetration/ Recovery	Geologic Descripton	Class USCS	Remarks
25						
26						
27						
28						
29	S-8		2/0			* Hammer cable malfunction
30						
31						
32						
33				33'		
34	S-9		2/1	Brown (f) SAND		PID = 4.8 Saturated loose non-plastic
35						
36						

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Boring Log

Project: Jimmy's Dry Cleaner	Client: O' Brien & Gere	Page 4 of 13			Sketch:
Location: Freeport, NY	Job Number:				
Boring: MW-3	Total Depth: 150'				
Drilling Co. ADT		Sample	Core	Casing	
Driller: Shawn Miller	Type	Split Spoon			
Drilling Method: HAS	DIA.	2			
Date: 5/23/07	Weight	130 lb			
Inspector: DRS	Fall	30"			

Depth (ft)	Sample	Blow Count	Penetration/ Recovery	Geologic Descripton	Class USCS	Remarks
37						
38						PID = 1.9 PPM saturated loose non-plastic
39	S-10		2/.4			
40						
41						
42						
43				43'		
44	S-11		7/1.3	Brown (cmf) SAND, some (mf) sub-angular to rounded gravel		PID = 2.7 PPM saturated loose non-plastic
45						
46						
47						
48						

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Boring Log

Project: Jimmy's Dry Cleaner	Client: O' Brien & Gere	Page 5 of 13			Sketch:
Location: Freeport, NY	Job Number:				
Boring: MW-3	Total Depth: 150'				
Drilling Co. ADT		Sample	Core	Casing	
Driller: Shawn Miller	Type	Split Spoon			
Drilling Method: HAS	DIA.	2			
Date: 5/23/07	Weight	130 lb			
Inspector: DRS	Fall	30"			

Depth (ft)	Sample	Blow Count	Penetration/ Recovery	Geologic Descripton	Class USCS	Remarks
49	S-12		2/1.2			PID = 3.1 ppm Saturated loose non-plastic
50						
51						
52						
53						
54	S-13		2/2			PID = 3.9 ppm Saturated loose non-plastic
55						
56						
57						
58						
59	S-14		2/1.3	59' 6" Brown (mf) SAND, some (mf) Sub-angular to rounded gravel		PID = 2.9 Saturated loose non-plastic
60						

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Boring Log

Project: Jimmy's Dry Cleaner	Client: O' Brien & Gere	Page 6 of 13			Sketch:
Location: Freeport, NY	Job Number:				
Boring: MW-3	Total Depth: 150'				
Drilling Co. ADT		Sample	Core	Casing	
Driller: Shawn Miller	Type	Split Spoon			
Drilling Method: HAS	DIA.	2			
Date: 5/23/17	Weight	130 lb			
Inspector: DRS	Fall	30"			

Depth (ft)	Sample	Blow Count	Penetration/ Recovery	Geologic Descripton	Class USCS	Remarks
61						
62						
63						
64	S-15		2/0			
65						
66						
67						
68						
69	S-16		2/0			
70						
71						* Augers washed out @ 300 gallons used
72						

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Boring Log

Project: Jimmy's Dry Cleaner	Client: O' Brien & Gere	Page 7 of 13			Sketch:
Location: Freeport, NY	Job Number:				
Boring: MW-3	Total Depth: 150'				
Drilling Co. ADT		Sample	Core	Casing	
Driller: Shawn Miller	Type	Split Spoon			
Drilling Method: HAS	DIA.	2			
Date: 5/23/07	Weight	130 lb			
Inspector: DRS	Fall	30"			

Depth (ft)	Sample	Blow Count	Penetration/ Recovery	Geologic Descripton	Class USCS	Remarks
73				73'		
74	S-17		2/1.4	Gray (m-f) SAND, trace silt		PID = 1.4 PPM Saturated loose non-plastic
75						
76						
77						
78						
79	S-18		2/1.9			PID = 1.2 PPM Saturated loose non-plastic
80						
81						
82						
83						
84	S-19		2/.8			PID = 1.0 PPM Saturated loose non-plastic

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Boring Log

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Project: Jimmy's Dry Cleaner	Client: O' Brien & Gere		Page 8 of 13		Sketch:
Location: Freeport, NY	Job Number:				
Boring: MW-3	Total Depth: 150'				
Drilling Co. ADT		Sample	Core	Casing	
Driller: Shawn Miller	Type	Split Spoon			
Drilling Method: HAS	DIA.	2			
Date: 5/23/07	Weight	130 lb			
Inspector: DRS	Fall	30"			

Depth (ft)	Sample	Blow Count	Penetration/ Recovery	Geologic Descripton	Class USCS	Remarks
85	S-19		2/1.8			
86						
87						
88						
89	S-20		2/1.6			PID = 1.2 PPM saturated loose non-plastic
90						
91						
92						
93						
94	S-21		2/0			
95						
96						

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Boring Log

Project: Jimmy's Dry Cleaner	Client: O' Brien & Gere		Page 9 of 13		Sketch:
Location: Freeport, NY	Job Number:				
Boring: MW-3	Total Depth: 150'				
Drilling Co. ADT		Sample	Core	Casing	
Driller: Shawn Miller	Type	Split Spoon			
Drilling Method: HAS	DIA.	2			
Date: 5/24/07	Weight	130 lb			
Inspector: DRS	Fall	30"			

Depth (ft)	Sample	Blow Count	Penetration/ Recovery	Geologic Descripton	Class USCS	Remarks
97						
98						
99	S-22		2/1			PID = .7 PPM Saturated loose non-plastic * washed out augers using @ 150 gal.
100						
101						
102						
103						
104	S-23		2/0			
105						
106						
107						
108						

Yec, Inc.
612 Corporate Way
Valley Cottage, NY 10989

Tel # (845) 268-3203
Fax # (845) 268-5313

Boring Log

Project: Jimmy's Dry Cleaner	Client: O' Brien & Gere		Page 10 of 13		Sketch:
Location: Freeport, NY	Job Number:				
Boring: MW-3	Total Depth: 150'				
Drilling Co. ADT		Sample	Core	Casing	
Driller: Shawn Miller	Type	Split Spoon			
Drilling Method: HAS	DIA.	2			
Date: 5/24/07	Weight	130 lb			
Inspector: DRS	Fall	30"			

Depth (ft)	Sample	Blow Count	Penetration/ Recovery	Geologic Descripton	Class USCS	Remarks
109	S-24		2/0			
110						
111						
112						
113						
114	S-25		2/0			
115						
116						
117						
118						
119	S-26		2/.2			PID = 1.8 PPM Saturated loose non-plastic
120						

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Boring Log

Project: Jimmy's Dry Cleaner	Client: O' Brien & Gere	Page 11 of 13			Sketch:
Location: Freeport, NY	Job Number:				
Boring: MW-3	Total Depth: 150'				
Drilling Co. ADT		Sample	Core	Casing	
Driller: Shawn Miller	Type	Split Spoon			
Drilling Method: HAS	DIA.	2			
Date: 5/24/07	Weight	130 lb			
Inspector: DRS	Fall	30"			

Depth (ft)	Sample	Blow Count	Penetration/ Recovery	Geologic Descripton	Class USCS	Remarks
121						
122						
123						
124	S-27		2/0			
125						
126						* Washed out augers using @150 gal.
127						
128						
129	S-28		2/1			PID = 1.4 PPM saturated loose non-plastic
				129'6"		
130				Gray clayey (f) SAND some organic material		
131						
132						

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Boring Log

Project: Jimmy's Dry Cleaner	Client: O' Brien & Gere	Page 12 of 13			Sketch:
Location: Freeport, NY	Job Number:				
Boring: MW-3	Total Depth: 150'				
Drilling Co. ADT		Sample	Core	Casing	
Driller: Shawn Miller	Type	Split Spoon			
Drilling Method: HAS	DIA.	2			
Date: 5/24/07	Weight	130 lb			
Inspector: DRS	Fall	30"			

Depth (ft)	Sample	Blow Count	Penetration/ Recovery	Geologic Descripton	Class USCS	Remarks
133						
134	S-29		2/0			
135						
136						
137						
138						
139	S-30		2/1			PID = .7 ppm Saturated loose non-plastic
140						
141						
142						
143						
144	S-31		2/0			

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Boring Log

Project: Jimmy's Dry Cleaner	Client: O' Brien & Gere	Page 13 of 13			Sketch:
Location: Freeport, NY	Job Number:				
Boring: MW-3	Total Depth: 150'				
Drilling Co. ADT		Sample	Core	Casing	
Driller: Shawn Miller	Type	Split Spoon			
Drilling Method: HAS	DIA.	2			
Date: 5/24/07	Weight	130 lb			
Inspector: DRS	Fall	30"			

Depth (ft)	Sample	Blow Count	Penetration/ Recovery	Geologic Descripton	Class USCS	Remarks
145	S-31		2/0			
146						
147						
148						
149	S-32		2/1	Gray clay		PID = .3 PPM moist Compact Plastic
150						
151				End of Sampling		
152						
153						
154						
155						
156						

APPENDIX R

Ground Water Sampling Logs for MW Wells

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Field Perosonnel: Dan Simpson
Weather: Overcast 70°F
Well No.: MW-1(20)
Equipment: Hand pump

Purge Information

Date: 6/4/07
Purge time: Start: 1450 Stop: 1458
Total Volume: 3 gal.
Volume Purged: 3 gal.
Mea. Point: Grade ft.
Well Dia.: 2 in.
Total Depth: 20 ft.
DTW: 4.61 ft.
1 Vol.: 2.6 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	App/Odor	Flow Rate
Initial	16.7	6.33	.241	.53	999	Br /Sheen	1.0
V-1	16.7	6.35	.233	.80	999	Br/Sheen	↓
V-2							
V-3							
Final							

Sampling Information

Date Collected: 6/4/07
Time Collected: 1500
Sample ID: MW-1 (20)
Method of Sampling: Hand pumped
Sample Description: Brown / sheen

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	2	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Field Perosonnel: Dan Simpson
Weather: Raining 70°
Well No.: MW-1 (30)
Equipment: Grndfos

Purge Information

Date: 6/4/07
Purge time: Start: 1415
Stop: 1422
Total Volume: 5 gal.
Volume Purged: 5 gal.
Mea. Point: Grade ft.
Well Dia.: 2 in.
Total Depth: 30 ft.
DTW: 4.75 ft.
1 Vol.: 4.3 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	App/Odor	Flow Rate
Initial	16.1	6.17	.235	2.04	999	Br	2.0
V-1	16.1	6.10	.249	1.65	999	Br	↓
V-2							↓
V-3							
Final							

Sampling Information

Date Collected: 6/4/07
Time Collected: 1425
Sample ID: MW-1 (30)
Method of Sampling: Grndfos
Sample Description: Brown

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	2	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Field Perosonnel: Dan Simpson
Weather: Raining 70°F
Well No.: MW-1 (40)
Equipment: Grndfos

Purge Information

Date: 6/4/07
Purge time: Start: 1358
Stop: 1405
Total Volume: 7 gal.
Volume Purged: 7 gal.
Mea. Point: Grade ft.
Well Dia.: 2 in.
Total Depth: 40 ft.
DTW: 4.65 ft.
1 Vol.: 6.1 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	App/Odor	Flow Rate
Initial	15.6	5.83	2.42	7.09	999	Br	2.0
V-1	15.9	5.93	2.76	3.24	964	Lt Br	↓
V-2							↓
V-3							↓
Final							

Sampling Information

Date Collected: 6/4/07
Time Collected: 1407
Sample ID: MW-1 (40)
Method of Sampling: Grndfos
Sample Description: Light Brown

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	2	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Field Perosonnel: Dan Simpson
Weather: Raining 70°
Well No.: MW-1 (50)
Equipment: Grundfos

Purge Information

Date: 6/14/07
Purge time: Start: 1338
Stop: 1344
Total Volume: 8 gal.
Volume Purged: 8 gal.
Mea. Point: Grade ft.
Well Dia.: 2 in.
Total Depth: 50 ft.
DTW: 4.71 ft.
1 Vol.: 7.7 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	App/Odor	Flow Rate
Initial	15.6	6.02	.226	1.16	999	Gray Br	2.0
V-1	15.9	5.73	.226	1.96	999	Br	↓
V-2							↓
V-3							
Final							

Sampling Information

Date Collected: 6/14/07
Time Collected: 1348
Sample ID: MW-1 (50)
Method of Sampling: Grundfos
Sample Description: Brown

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	2	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Field Perosonnel: Dan Simpson
Weather: Raining 70° F
Well No.: MW-1 (60)
Equipment: Grundfos

Purge Information
Date: 6/4/07
Purge time: Start: 1314
Stop: 1320
Total Volume: 10 gal.
Volume Purged: 10 gal.
Mea. Point: Grade ft.
Well Dia.: 2 in.
Total Depth: 60 ft.
DTW: 5.81 ft.
1 Vol.: 9.2 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	App/Odor	Flow Rate
Initial	15.2	5.35	.210	.95	999	Gray	2.0
V-1	15.7	5.53	.207	1.19	999	Gray	↓
V-2							
V-3							
Final							

Sampling Information
Date Collected: 6/4/07
Time Collected: 1325
Sample ID: MW-1 (60)
Method of Sampling: Grundfos
Sample Description:

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	2	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Field Perosonnel: Dan Simpson
Weather: Raining 70's
Well No.: MW-1 (70)
Equipment: Grundfos

Purge Information

Date: 6/4/07
Purge time: Start: 1253
Stop: 1256
Total Volume: 11 gal.
Volume Purged: 11 gal.
Mea. Point: Grade ft.
Well Dia.: 2 in.
Total Depth: 70 ft.
DTW: 6.11 ft.
1 Vol.: 10.9 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	App/Odor	Flow Rate
Initial	15.1	5.11	.185	7.32	999	Gray	2.0
V-1	15.4	5.17	.198	2.17	999	Gray	↓
V-2							↓
V-3							
Final							

Sampling Information

Date Collected: 6/4/07
Time Collected: 1300
Sample ID: MW-1 (70)
Method of Sampling: Grundfos
Sample Description: Gray

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	2	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Field Perosonnel: Dan Simpson
Weather: Raining 70's
Well No.: MW-1 (80)
Equipment: Grundfos

Purge Information

Date:	6/14/07		Mea. Point:	Grade	ft.
Purge time:	Start:	1231	Well Dia.:	2	in.
	Stop:	1238	Total Depth:	80	ft.
Total Volume:	12.7	gal.	DTW:	5.22	ft.
Volume Purged:	13	gal.	1 Vol.:	12.7	gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	App/Odor	Flow Rate
Initial	14.8	5.28	.189	.70	999	Gray	2.0
V-1	15.1	4.85	.219	7.95	999	Gray	↓
V-2							
V-3							
Final							

Sampling Information

Date Collected: 6/14/07
Time Collected: 1240
Sample ID: MW-1 (80)
Method of Sampling: Grundfos
Sample Description: Gray

TB-4

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	2	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Field Perosonnel: Dan Simpson Well No.: mw-1(90)
Weather: Raining 70° Equipment: Grundfos

Purge Information

Date: 6/4/07 Mea. Point: Grade ft.
Purge time: Start: 1205 Well Dia.: 2 in.
Stop: 1212 Total Depth: 90 ft.
Total Volume: ~~15~~ gal. DTW: 5.22 ft.
Volume Purged: 15 gal. 1 Vol.: 14.4 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	App/Odor	Flow Rate
Initial	14.7	4.88	.202	1.14	999	Gray	2.0
V-1	14.9	4.54	.217	.185	999	Lt Gray	↓
V-2							
V-3							
Final							

Sampling Information

Date Collected: 6/4/07
Time Collected: 1215
Sample ID: mw-1(90)
Method of Sampling: Grundfos
Sample Description: Lt Gray

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	2	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Field Perosonnel: Dan Simpson
Weather: Raining 70°
Well No.: MW-1 (100)
Equipment: Grnd fos

Purge Information

Date: 6/4/07
Purge time: Start: 1133
Stop: 1141
Total Volume: 17 gal.
Volume Purged: 17 gal.
Mea. Point: Grade ft.
Well Dia.: 2 in.
Total Depth: 100 ft.
DTW: 5.06 ft.
1 Vol.: 16.1 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	App/Odor	Flow Rate
Initial	14.6	4.85	.203	3.32	999	Gray	2.0
V-1	14.8	4.50	.225	.75	999	Lt Gray	↓
V-2							↓
V-3							
Final							

Sampling Information

Date Collected: 6/4/07
Time Collected: 1145
Sample ID: MW-1 (100)
Method of Sampling: Grnd fos
Sample Description: Lt Gray

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	2	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Field Perosonnel: Dan Simpson
Weather: Raining 70f
Well No.: MW-1 (110)
Equipment: Grundfos

Purge Information
Date: 6/14/07
Purge time: Start: 1110
Stop: 1120
Total Volume: 18 gal.
Volume Purged: 18 gal.
Mea. Point: Grade ft.
Well Dia.: 2" in.
Total Depth: 110 ft.
DTW: 3.16 ft.
1 Vol.: 17.8 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	App/Odor	Flow Rate
Initial	14.5	4.76	.191	.11	999	Gray	2.0
V-1	14.8	4.68	.221	9.21	999	Lt Gray	↓
V-2							
V-3							
Final							

Sampling Information
Date Collected: 6/14/07
Time Collected: 1125
Sample ID: mw-1 (110) MS/MSD
Method of Sampling: Grundfos
Sample Description: Lt Gray

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	2	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Well No.: MW-1 (120)
Field Perosonnel: Dan Simpson
Weather: Raining 70°
Equipment: Grundfos

Purge Information

Date: 6/4/07
Purge time: Start: 1045
Stop: 1055
Total Volume: 20 gal.
Volume Purged: 20 gal.
Mea. Point: Grade ft.
Well Dia.: 2" in.
Total Depth: 120 ft.
DTW: 5.81 ft.
1 Vol.: 19.4 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	App/Odor	Flow Rate
Initial	14.9	7.71	.184	.13	999	Gray	2.0
V-1	14.8	6.47	.196	1.09	999	Gray	↓
V-2							
V-3							
Final							

Sampling Information

Date Collected: 6/4/07
Time Collected: 1100
Sample ID: MW-1 (120)
Method of Sampling: Grundfos
Sample Description: Gray

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	2	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Field Perosonnel: Dan Simpson
Weather: Sunny 85°
Well No.: MW-1 (130)
Equipment:

Purge Information

Date: 6/1/07
Purge time: Start: 1435
Stop: 1442
Total Volume: 22 gal.
Volume Purged: 22 gal.
Mea. Point: Grade ft.
Well Dia.: 2 in.
Total Depth: 130 ft.
DTW: 5.65 ft.
1 Vol.: 21.1 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	App/Odor	Flow Rate
Initial	18.2	5.80	.084	2.39	999	Brown	2.5
V-1	16.4	4.66	.247	3.12	999	Gray	↓
V-2							
V-3							
Final							

Sampling Information

Date Collected: 6/1/07
Time Collected: 1445
Sample ID: MW-1 (130)
Method of Sampling: Grundfos
Sample Description: Gray

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	2	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General Well No.: MW-1(140)

Field Perosonnel: Dan Simpson
Weather: Sunny/ 85 Equipment: Grundfos

Purge Information

Date: 6/1/07 Mea. Point: Grade ft.
Purge time: Start: 1358 Well Dia.: 2 in.
Stop: 1409 Total Depth: 140 ft.
Total Volume: 23 gal. DTW: 5.91 ft.
Volume Purged: 23 gal. 1 Vol.: 22.7 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	App/Odor	Flow Rate
Initial	18.1	6.63	.087	1.40	999	Grey	2.5
V-1	16.6	4.81	2.56	4.81	999	Lt Gray	↓
V-2							↓
V-3							
Final							

Sampling Information

Date Collected: 6/1/07
Time Collected: 1411
Sample ID: MW-1(140)
Method of Sampling: Grundfos
Sample Description: Light Gray

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	2	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General Well No.: MW-1 (150)

Field Perosonnel: Dan Simpson
Weather: Sunny 83°F Equipment: Grundfos

Purge Information

Date: 6/1/07 Mea. Point: Grade ft.
Purge time: Start: 1322 Well Dia.: 2 in.
Stop: 1335 Total Depth: 150 ft.
Total Volume: 25 gal. DTW: 6.22 ft.
Volume Purged: 25 gal. 1 Vol.: 24.4 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	App/Odor	Flow Rate
Initial	20.9	7.57	.078	2.92	999	Br	2.5
V-1	21.2	7.89	.081	3.07	999	Gray	↓
V-2							↓
V-3							
Final							

Sampling Information

Date Collected: 6/1/07
Time Collected: 1340
Sample ID: MW-1 (150)
Method of Sampling: Grundfos
Sample Description: Gray

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	2	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Field Perosonnel: Dan Simpson
Weather: Sunny 75° | Well No.: MW-2(20)
Equipment: Foot Valve

Purge Information
Date: 5/22/07 | Mea. Point: Cradle ft.
Purge time: Start: 1335 | Well Dia.: 2 in.
Stop: 1340 | Total Depth: 20 ft.
Total Volume: 2 gal. | DTW: Probe Malfunction ≈ 14 ft.
Volume Purged: 2 gal. | 1 Vol.: ≈ 1.07 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	16.4	6.85	.278	1.76	999		~~Gray~~	.5	—
V-1	16.3	6.74	.258	3.17	999		Brown	.5	—
V-2									
V-3									
Final									

Brown

Sampling Information
Date Collected: 5/22/07
Time Collected: 1345
Sample ID: MW-2 (20)
Method of Sampling: ~~Foot~~ Valve
Sample Description: Brown

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	2	No	HCL

Notes
* Sample very turbid

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Well No.: MW-7(30)
Field Perosonnel: Dan Simpson
Weather: Sunny/ 75° Equipment: Grundfos

Purge Information
Date: 5/22/07
Purge time: Start: 1315 Stop: 1318
Total Volume: 3 gal.
Volume Purged: 3 gal.
Mea. Point: Grade ft.
Well Dia.: 2 in.
Total Depth: 30 ft.
DTW: 13.47 ft.
1 Vol.: 2.8 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	15.3	6.91	.315	4.60	999		brown	1.5	13.47
V-1	15.6	6.99	.316	2.80	999		clear	1.5	—
V-2									
V-3									
Final									

Sampling Information
Date Collected: 5/22/07
Time Collected: 1320
Sample ID: MW-2(30)
Method of Sampling: Grundfos
Sample Description: clear

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	3	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Well No.: MW-2 (40)
Field Perosonnel: Dan Simpson
Weather: Sunny 75° Equipment: Grundfos

Purge Information
Date: 5/22/07
Purge time: Start: 1305 Stop: 1309
Total Volume: 5 gal.
Volume Purged: 5 gal.
Mea. Point: Grade ft.
Well Dia.: 2 in.
Total Depth: 40 ft.
DTW: 12.73 ft.
1 Vol.: 4.6 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	15.5	7.07	.325	2.02	999		Lt Gray	2.5	12.73
V-1	15.6	6.78	.280	4.12	999				
V-2									
V-3									
Final									

Sampling Information
Date Collected: 5/22/07
Time Collected: 1310
Sample ID: MW-2(40)
Method of Sampling: Grundfos
Sample Description: Clear

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	3	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Well No.: MW-2(50)

Field Perosonnel: Dan Simpson
Weather: Sunny 75° Equipment: Grundfos

Purge Information

Date: 5/22/07
Purge time: Start: 1246 Stop: 1255
Total Volume: 11 gal.
Volume Purged: 11 gal.

Mea. Point: Grade ft.
Well Dia.: 2 in.
Total Depth: 50 ft.
DTW: 12.76 ft.
1 Vol.: 10.7 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	16.1	6.85	.287	4.98	82		Lt Gray	2.5	12.76
V-1	15.6	6.88	.285	7.27	415		Clear	↓	—
V-2								↓	
V-3								↓	
Final									

Sampling Information

Date Collected: 5/22/07
Time Collected: 1300
Sample ID: MW-2(50)
Method of Sampling: Grundfos
Sample Description: Clear

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	3	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Well No.: MW-2(60)

Field Perosonnel: Dan Simpson
Weather: Sunny 75° Equipment: Grundfos

Purge Information

Date: 5/22/07 Mea. Point: Grade ft.
Purge time: Start: 1113 Well Dia.: 2 in.
Stop: 1120 Total Depth: 60 ft.
Total Volume: 8 gal. DTW: 13.00 ft.
Volume Purged: 8 gal. 1 Vol.: 7.99 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App	Odor	Flow Rate	DTW
Initial	16.1	6.71	.304	2.43	999		Lt	Gray	2.5	13.00
V-1	16.1	6.94	.309	2.33	999		Lt	Gray		
V-2										
V-3										
Final										

Sampling Information

Date Collected: 5/22/07
Time Collected: 1125
Sample ID: MW-2(60)
Method of Sampling: Grundfos
Sample Description: Lt Gray

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	3	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Field Perosonnel: Dan Simpson
Weather: Sunny 75°
Well No.: MW-2(70)
Equipment: Grundfos

Purge Information

Date: 5/22/07
Purge time: Start: 1055 Stop: 1102
Total Volume: 10 gal.
Volume Purged: 10 gal.
Mea. Point: Grade ft.
Well Dia.: 2 in.
Total Depth: 70 ft.
DTW: 12.91 ft.
1 Vol.: 9.7 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	15.8	6.35	.279	2.18	999		Lt Gray	2.5	12.91
V-1	15.8	6.51	.286	4.22	481		Clear	"	—
V-2								"	
V-3									
Final									

Sampling Information

Date Collected: 5/22/07
Time Collected: 1105
Sample ID: MW-2(70)
Method of Sampling: Grundfos
Sample Description: Clear

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	3	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Field Perosonnel: Dan Simpson
Weather: Sunny 70
Well No.: MW-2(80)
Equipment: Grundfos

Purge Information

Date: 5/22/07
Purge time: Start: 1033
Stop: 1040
Total Volume: 12 gal.
Volume Purged: 12 gal.
Mea. Point: Grade ft.
Well Dia.: 2 in.
Total Depth: 80 ft.
DTW: 14.00 ft.
1 Vol.: 11.2 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	15.7	6.52	.285	1.51	999		Gray	2.5	14.00
V-1	15.9	6.36	.274	2.64	999		Lt Gray	↓	—
V-2									
V-3									
Final									

Sampling Information

Date Collected: 5/22/07
Time Collected: 1045
Sample ID: MW-2(80)
Method of Sampling: Grundfos
Sample Description: Clear

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	3	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Well No.: MW-2(90)
Field Perosonnel: Dan Simpson
Weather: Sunny 70° Equipment: Grundfas

Purge Information
Date: 5/22/07
Purge time: Start: 1005 Stop: 1013
Total Volume: 13 gal.
Volume Purged: 13 gal.
Mea. Point: Grade ft.
Well Dia.: 2 in.
Total Depth: 90 ft.
DTW: 14.36 ft.
1 Vol.: 12.8 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	15.5	6.25	.272	1.60	948		Gray	2.5	14.36
V-1	15.8	6.21	.273	2.02	999		Gray	2.5	—
V-2									
V-3									
Final									

Sampling Information
Date Collected: 5/22/07
Time Collected: 1015
Sample ID: MW-2(90)
Method of Sampling: Grundfas
Sample Description: Gray

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	3	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Well No.: MW-2(100)
Field Perosonnel: Dan Simpson
Weather: Sunny 70° | Equipment: Grundfos

Purge Information
Date: 5/22/07 | Mea. Point: Cradle ft.
Purge time: Start: 0935 | Well Dia.: 2 in.
Stop: 0941 | Total Depth: 100 ft.
Total Volume: 1l gal. | DTW: 39.06 ft.
Volume Purged: 1l gal. | 1 Vol.: 10.35 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	15.9	6.35	.256	1.12	999		Gray	2.5	39.06
V-1	16.0	6.02	.261	3.20	999		Lt Gray	↓	~
V-2									
V-3									
Final									

Sampling Information
Date Collected: 5/22/07
Time Collected: 0945
Sample ID: MW-2(100) / X-1 TB-2
Method of Sampling: Grundfos
Sample Description: Light Gray

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	#3	No	HCL

Notes
X X-1 taken here

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Well No.: MW-2(110)

Field Perosonnel: Dan Simpson
Weather: Sunny 70°
Equipment: Grundfos

Purge Information

Date: 5/22/07
Purge time: Start: 0915 Stop: 0922
Total Volume: 11 gal.
Volume Purged: 11 gal.

Mea. Point: Grade ft.
Well Dia.: 2 in.
Total Depth: 110 ft.
DTW: 50.25 ft.
1 Vol.: 10.2 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	15.6	6.30	.264	.44	999		Gray	2.5	50.25
V-1	16.1	6.25	.278	1.36	999		Gray	↓	"
V-2									
V-3									
Final									

Sampling Information

Date Collected: 5/22/07
Time Collected: 0925
Sample ID: MW-2(110)
Method of Sampling: Grundfos
Sample Description: Gray

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	3	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Field Perosonnel: Dan Simpson
Weather: Sunny 70°
Well No.: MW-2(120)
Equipment: Grundfos

Purge Information

Date: 5/22/07
Purge time: Start: 0853 Stop: 0905
Total Volume: 19 gal.
Volume Purged: 19 gal.
Mea. Point: Grade ft.
Well Dia.: 2 in.
Total Depth: 120 ft.
DTW: 13.45 ft.
1 Vol.: 18.1 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	15.1	7.44	.445	1.82	999		Gray	2.5	13.45
V-1	15.8	7.22	.304	1.47	999		Gray		—
V-2									
V-3									
Final									

Sampling Information

Date Collected: 5/22/07
Time Collected: 0910
Sample ID: MW-2(120)
Method of Sampling: Grundfos
Sample Description: Gray

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	3	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

Well No.: MW-2(130)

General
Field Perosonnel: Dan Simpson
Weather: Sunny 75° Equipment: Grundfos

Purge Information
Date: 5/21/07
Purge time: Start: 1500
Stop: 1513
Total Volume: 20 gal.
Volume Purged: 20 gal.
Mea. Point: Grade ft.
Well Dia.: 2 in.
Total Depth: 130 ft.
DTW: 14.11 ft.
1 Vol.: 19.7 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	15.8	5.79	.333	1.27	999		Gray	2.5	14.11
V-1	15.9	6.14	.330	2.58	999		Gray		—
V-2									
V-3									
Final									

Sampling Information
Date Collected: 5/21/07
Time Collected: 1515
Sample ID: MW-2(130)
Method of Sampling: Grundfos
Sample Description: Gray → Lt Gray

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	3	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Field Perosonnel: DAN Simpson
Weather: Sunny 75°
Well No.: MW-2(140)
Equipment: Grundfos

Purge Information

Date: 5/21/07
Purge time: Start: 1428
Stop: 1440
Total Volume: 22 gal.
Volume Purged: 22 gal.
Mea. Point: Grade ft.
Well Dia.: 2 in.
Total Depth: 140 ft.
DTW: ~~14.31~~ 13.13 ft.
1 Vol.: ~~21.3~~ 21.5 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	15.7	5.85	.346	1.67	999		Lt Gray	2.5 gal/min	14.31
V-1	15.7	5.73	.321	1.15	999		Gray	↓	—
V-2								↓	
V-3								↓	
Final									

Sampling Information

Date Collected: 5/21/07
Time Collected: 1445
Sample ID: MW-2(140)
Method of Sampling: Grundfos
Sample Description: Gray

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	3	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

Well No.: MW-2(150)

General

Field Perosonnel: Dan Simpson
Weather: Sunny Equipment: Grundfos

Purge Information

Date: 5/21/07
Purge time: Start: 1355 Stop: 1420
Total Volume: 23 gal.
Volume Purged: 23 gal.

Mea. Point: Grade/ ft.
Well Dia.: 2 in.
Total Depth: 150 ft.
DTW: 18.66 ft.
1 Vol.: 22.3 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	15.9	5.25	429	.94	999		Clear	2.5gal/min	18.66
V-1	15.7	5.47	.377	5.11	999		Clear	↓	–
V-2								↓	
V-3								↓	
Final									

Sampling Information

Date Collected: 5/21/07
Time Collected: 1420
Sample ID: MW-2(150)
Method of Sampling: Grundfos
Sample Description: Clear

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	3	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Well No.: MW-2(160)

Field Perosonnel: Dan Simpson

Weather: _____ Equipment: Grndfos

Purge Information

Date: 5/21/07 Mea. Point: Grade ft.

Purge time: Start: 1322 Well Dia.: 2 in.

Stop: 1335 Total Depth: 160 ft.

Total Volume: 25 gal. DTW: 16.77 ft.

Volume Purged: 25 gal. 1 Vol.: 24.3 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	15.6	5.56	.381	2.50	999		Clear	2.5	16.77
V-1	13.7	5.25	.408	2.28	840		Lt Gray		
V-2								↓	
V-3									
Final									

Sampling Information

Date Collected: 5/21/07

Time Collected: 1340

Sample ID: MW-2(160)

Method of Sampling: Grndfos Pump

Sample Description: Lt gray

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	3	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Well No.: MW-2 (170)
Field Perosonnel: Dan Simpson
Weather: sunny 75° Equipment: Grundfos

Purge Information
Date: 5/21/07 Mea. Point: Grade ft.
Purge time: Start: 1245 Well Dia.: 2 in.
Stop: 1258 Total Depth: 170 ft.
Total Volume: 27 gal. DTW: 13.40 ft.
Volume Purged: 27 gal. 1 Vol.: 26.6 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	13.8	6.03	.455	.81	999		Gray	2.5 gal	13.40
V-1	13.9	5.64	.442	.377	999		Lt Gray		
V-2									
V-3									
Final									

Sampling Information
Date Collected: 5/21/07
Time Collected: 1300
Sample ID: MW-2(170) / MW-2(170) MS/MSD
Method of Sampling: Grundfos
Sample Description: clear

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	3	No	HCL

Notes
MS/MSD Taken here

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Well No.: MW-2(180)
Field Perosonnel: Dan Simpson
Weather: Sunny 72 Equipment: Grundfos

Purge Information

Date: 5/21/07 Mea. Point: Grade ft.
Purge time: Start: 1110 Well Dia.: 2 in.
Stop: 1127 Total Depth: 180 ft.
Total Volume: 29 gal. DTW: 13.40 ft.
Volume Purged: 29 gal. 1 Vol.: 28.32 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	15.5	5.77	.236	2.25	994		Lt Gray	2.3	13.40
V-1	15.9	5.22	.362	1.81	999		Gray		—
V-2								"	
V-3									
Final									

Sampling Information

Date Collected: 5/21/07
Time Collected: 1130
Sample ID: MW-2(180)
Method of Sampling: Grundfos
Sample Description: Gray

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	3	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Well No.: MW-2(190)
Field Perosonnel: Dan Simpson
Weather: _____ Equipment: Grundfos

Purge Information
Date: 5/21/07 Mea. Point: Grade ft.
Purge time: Start: 1036 Well Dia.: 2 in.
Stop: 1055 Total Depth: 190 ft.
Total Volume: 32 gal. DTW: 13.40 ft.
Volume Purged: 32 gal. 1 Vol.: 30 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	15.7	6.02	.180	2.72	755		Yellow	2.5	13.40
V-1	15.7	5.41	.302	1.22	999		Gray	2.5	—
V-2									
V-3									
Final									

Sampling Information
Date Collected: 5/21/07
Time Collected: 1055
Sample ID: MW-2 (190)
Method of Sampling: Grundfos
Sample Description: Gray

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	3	No	HCL

Notes
* Grundfos cleaned prior to installation

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Field Perosonnel: Dan Simpson
Weather: Sunny 70°
Well No.: MW-2 (200)
Equipment: Grundfos

Purge Information
Date: 5/21/07
Purge time: Start: 0941
Stop: 1005
Total Volume: 32 gal.
Volume Purged: 32 gal.
Mea. Point: Grade ft.
Well Dia.: 2" in.
Total Depth: 200 ft.
DTW: 12.45 ft.
1 Vol.: 31.9 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP		App/Odor	Flow Rate	DTW
~~Initial~~	~~14.8~~	~~8.22~~	~~.189~~	~~1.70~~	~~717~~			~~yellow~~	~~2 gal/min~~	~~12.45~~
~~V-1~~ V1	14.3	6.56	.181	1.70	661			~~cloudy~~	2.5 gal/min	
~~V-2~~ V2	15.4	5.43	.256	2.99	999			gray	2.5 gal/min	
V-3										
Final										

Sampling Information
Date Collected: 5/21/07
Time Collected: 1010
Sample ID: MW-21 (200)
Method of Sampling: Grundfos
Sample Description: clear / gray

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	# 3	No	HCL

Notes
* Pump cleaned prior to installation

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Field Perosonnel: Dan Simpson
Weather: Sunny 80°F
Well No.: MW-3(20)
Equipment: ~~Grundfos~~ Hand Pumped

Purge Information

Date: 5/30/07
Purge time: Start: 1140
Stop: 1145
Total Volume: 1.0 gal.
Volume Purged: 1.0 gal.
Mea. Point: Grade ft.
Well Dia.: 2 in.
Total Depth: 20 ft.
DTW: 15.45 ft.
1 Vol.: .77 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	App/Odor	Flow Rate
Initial	15.1	6.37	.334	2.38	999	Br	1.5
V-1	15.4	6.40	.323	1.32	999	Br	✓
V-2							✓
V-3							
Final							

Sampling Information

Date Collected: 5/30/07
Time Collected: 1150
Sample ID: MW-3(20)
Method of Sampling: ~~Grundfos~~ Hand Pumped
Sample Description: Brown

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	2	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Well No.: MW-3(30)

Field Perosonnel: Dan Simpson
Weather: Sunny 80s
Equipment: Grundfos

Purge Information

Date: 5/30/07
Purge time: Start: 1119
Stop: 1128
Total Volume: 3 gal.
Volume Purged: 3 gal.

Mea. Point: Grade ft.
Well Dia.: 2 in.
Total Depth: 30 ft.
DTW: 14.61 ft.
1 Vol.: 2.6 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	15.3	6.44	.390	4.22	999		Br	1.5	14.61
V-1	15.2	6.36	.338	4.34	999		Br		—
V-2									
V-3									
Final									

Sampling Information

Date Collected: 5/30/07
Time Collected: 1130
Sample ID: MW-3(30)
Method of Sampling: Hand pumped
Sample Description: Brown

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	2	No	HCL

Notes

* Generator out of gas @ 1 gal, Hand pumped there after

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Well No.: MW-3(40)
Field Perosonnel: Dan Simpson
Weather: Sunny 80
Equipment: Grundfos

Purge Information
Date: 5/30/07
Purge time: Start: 1100 Stop: 1105
Total Volume: 5 gal.
Volume Purged: 5 gal.
Mea. Point: Grade ft.
Well Dia.: 2 in.
Total Depth: 40 ft.
DTW: 14.68 ft.
1 Vol.: 4.3 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	15.1	6.56	.336	1.90	994		BS	3.0	14.68
V-1	15.4	6.38	.375	3.11	999		BS	✓	—
V-2									
V-3									
Final									

Sampling Information
Date Collected: 5/30/07
Time Collected: 1107
Sample ID: MW-3(40)
Method of Sampling: Grundfos
Sample Description: Brown

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	(2)	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Well No.: MW-3(50)

Field Perosonnel: Dan Simpson
Weather: Sunny/ 80° Equipment: Grundfos

Purge Information

Date: 5/30/07 Mea. Point: Grade ft.
Purge time: Start: 1043 Well Dia.: 2 in.
Stop: 1048 Total Depth: 50 ft.
Total Volume: 6.5 gal. DTW: 14.91 ft.
Volume Purged: 6.5 gal. 1 Vol.: 5.9 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	15.5	6.64	.396	1.10	999		Brown	3.0	14.91
V-1	15.6	6.54	.442	6.81	999		Clear		—
V-2								V	
V-3									
Final									

Sampling Information

Date Collected: 5/30/07
Time Collected: 1050
Sample ID: MW-3(50)
Method of Sampling: Grundfos
Sample Description: Clear

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	(2)	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General Well No.: MW-3(60)

Field Perosonnel: Dan Simpson
Weather: Sunny 80° Equipment: Grundfos

Purge Information

Date: 5/30/07 Mea. Point: Grade ft.
Purge time: Start: 1028 Well Dia.: 2 in.
Stop: 1035 Total Depth: 60 ft.
Total Volume: 8 gal. DTW: 14.89 ft.
Volume Purged: 8 gal. 1 Vol.: 7.6 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	15.7	6.81	.402	1.16	994		Brown	3.0	14.89
V-1	15.7	6.55	.472	6.05	999		Clear		
V-2									
V-3									
Final									

Sampling Information

Date Collected: 5/30/07
Time Collected: 1040
Sample ID: MW-3(60)
Method of Sampling: Grundfos
Sample Description: Clear

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	(2)	No	HCL

Notes X-2 Taken Here

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General Well No.: MW-3(70)

Field Perosonnel: Don Simpson
Weather: Sunny 80's Equipment: Grundfos

Purge Information

Date: 5/30/07 Mea. Point: Grade ft.
Purge time: Start: 1010 Well Dia.: 2 in.
Stop: 1017 Total Depth: 70 ft.
Total Volume: 10 gal. DTW: 15.00 ft.
Volume Purged: 10 gal. 1 Vol.: 9.35 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	16.0	7.03	.408	.42	999		Gray	3.0	15.00
V-1	15.7	6.80	.412	5.40	999		Gray		"
V-2									
V-3									
Final									

Sampling Information

Date Collected: 5/30/07
Time Collected: 1020
Sample ID: MW-3(70)
Method of Sampling: Grundfos
Sample Description: Grey

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	2	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Well No: MW-3 (80)

Field Perosonnel: Dan Simpson
Weather: Sunny 80 Equipment: Grundfos

Purge Information

Date: 5/29/07 Mea. Point: Grade ft.
Purge time: Start: 1335 Well Dia.: 2 in.
Stop: 1345 Total Depth: 80 ft.
Total Volume: 11 gal. DTW: 17.38 ft.
Volume Purged: 11 gal. 1 Vol.: 10.6 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	15.8	5.70	.294	.003	999		Gray	3.0	17.38
V-1	15.4	5.42	.355	1.01	999		Gray		—
V-2								√	
V-3									
Final									

Sampling Information

Date Collected: 5/29/07
Time Collected: 1350
Sample ID: MW-3 (80)
Method of Sampling: Grundfos
Sample Description: Clear

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	2	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Well No.: MW-3 (90)
Field Perosonnel: Dan Simpson
Weather: Sunny 80° Equipment: Grundfos

Purge Information
Date: 5/29/07 Mea. Point: Cradle ft.
Purge time: Start: 1311 Well Dia.: 2 in.
Stop: 1325 Total Depth: 90 ft.
Total Volume: 13 gal. DTW: 16.20 ft.
Volume Purged: 13 gal. 1 Vol.: 12.5 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	15.4	5.70	.219	.83	999		Gray	3.0	16.20
V-1	16.0	5.91	.254	6.48	999		Gray	↓	—
V-2								↓	
V-3								↓	
Final									

Sampling Information
Date Collected: 5/29/07
Time Collected: 1328
Sample ID: MW-3 (90)
Method of Sampling: Grundfos
Sample Description: Gray

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	(2)	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Well No.: MW-3 (100)
Field Perosonnel: Dan Simpson
Weather: Sunny 80's Equipment: Grundfos

Purge Information
Date: 5/29/07
Purge time: Start: ~~1300~~ 1245
Stop: 1255
Total Volume: 13 gal.
Volume Purged: 13 gal.
Mea. Point: Grade ft.
Well Dia.: 2 in.
Total Depth: 100 ft.
DTW: 25.16 ft.
1 Vol.: 12.7 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	16.3	6.43	.238	1.43	999		Gray	3.0	25.16
V-1	15.5	6.10	.223	2.07	999		Gray	↓	—
V-2								↓	
V-3									
Final									

Sampling Information
Date Collected: 5/29/07
Time Collected: 1300
Sample ID: MW-3(100)
Method of Sampling: Grundfos
Sample Description: Gray

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	(2)	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Well No: MW-3(110)

Field Perosonnel: Dan Simpson
Weather: sunny 75° Equipment: Grundfos

Purge Information

Date: 5/29/07
Purge time: Start: 1115 Stop: 1122
Total Volume: 14 gal.
Volume Purged: 14 gal.

Mea. Point: Grade ft.
Well Dia.: 2 in.
Total Depth: 110 ft.
DTW: 32.50 ft.
1 Vol.: 13 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	16.6	5.36	.203	1.91	999		Gray	3.0	32.50
V-1	16.0	5.31	.205	3.95	999		Gray	↓	–
V-2								↓	
V-3								↓	
Final									

Sampling Information

Date Collected: 5/29/07
Time Collected: 1130
Sample ID: MW-3(110)
Method of Sampling: Grundfos
Sample Description: Gray

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	(2)	No	HCL

Notes

NO HCL

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Field Perosonnel: Dan Simpson
Weather: Sunny 75°
Well No.: MW-3(120)
Equipment: Grundfos

Purge Information
Date: 5/29/07
Purge time: Start: 1032
Stop: 1100
Total Volume: 14 gal.
Volume Purged: 14 gal.
Mea. Point: Grade ft.
Well Dia.: 2 in.
Total Depth: 120 ft.
DTW: 40.60 ft.
1 Vol.: 13.5 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	16.4	5.39	.207	.60	999		Gray	3.0	40.60
V-1	16.6	5.33	.170	2.30	999		Gray	√	
V-2								√	
V-3									
Final									

Sampling Information
Date Collected: 5/29/07
Time Collected: 1105
Sample ID: MW-3(120)
Method of Sampling: Grundfos
Sample Description: Gray

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	(2)	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General Well No.: MW-3(130)

Field Perosonnel: Dan Simpson
Weather: Sunny/ 75° Equipment: Grundfos

Purge Information

Date: 5/29/07 Mea. Point: Grade ft.
Purge time: Start: 1027 Well Dia.: 2 in.
Stop: 1038 Total Depth: 130 ft.
Total Volume: 20 gal. DTW: 16.72 ft.
Volume Purged: 20 gal. 1 Vol.: 19.3 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	15.2	5.12	.200	.86	765		Clear	3.0	16.72
V-1	15.5	5.72	.207	.41	999		Lt Gray		"
V-2									
V-3									
Final									

Sampling Information

Date Collected: 5/29/07
Time Collected: 1045
Sample ID: MW-3(130)
Method of Sampling: Grundfos
Sample Description: Lt Gray

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	2	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Field Perosonnel: Dan Simpson
Weather: Sunny 75
Well No.: MW-3(140)
Equipment: Grundfos

Purge Information

Date: 5/29/07
Purge time: Start: 1005
Stop: 1015
Total Volume: 22 gal.
Volume Purged: 22 gal.
Mea. Point: Grade ft.
Well Dia.: 2 in.
Total Depth: 140 ft.
DTW: 16.45 ft.
1 Vol.: 21 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	14.8	5.92	.167	.28	999		Lt Br	3.0	16.45
V-1	14.9	5.15	.176	5.05	999		Lt Br	✓	→
V-2									
V-3									
Final									

Sampling Information

Date Collected: 5/29/07
Time Collected: 1020
Sample ID: MW-3(140)
Method of Sampling: Grundfos
Sample Description: Clear

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	2	No	HCL

Notes

Ground Water Sampling
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Well No.: MW-3(150)
Field Perosonnel: Dan Simpson
Weather: Sunny 75° Equipment: Grundfos

Purge Information

Date: 5/29/07 Mea. Point: Grade ft.
Purge time: Start: 0935 Well Dia.: 2 in.
Stop: 0948 Total Depth: 150 ft.
Total Volume: 230 gal. DTW: 15.27 ft.
Volume Purged: 23.0 gal. 1 Vol.: 22.9 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	ORP	App/Odor	Flow Rate	DTW
Initial	15.7	7.89	.172	-.80	681		Hbr	3.0	15.27
V-1	15.4	6.91	.166	.53	999		Gray		-
V-2									
V-3									
Final									

Sampling Information

Date Collected: 5/29/07
Time Collected: 0950
Sample ID: MW-3(150)
Method of Sampling: Grundfos
Sample Description: Gray

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative
VOC	Glass -40ml VOA	~~2~~ 3	No	HCL

Notes

No HCL

APPENDIX S

Chain of Custody Records for MW Wells Sampling

MITKEM CORPORATION
175 Metro Center Boulevard
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(401) 732-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

COMPANY O'Brien + Gere	PHONE (315) 437 6100	COMPANY	PHONE	LAB PROJECT #:	
NAME Marc Dent	FAX	NAME Same	FAX		
ADDRESS 5000 Brittonfield Pkwy		ADDRESS		TURNAROUND TIME: 24 hrs	
CITY/ST/ZIP E. Syracuse, NY 13057		CITY/ST/ZIP			
CLIENT PROJECT NAME: Jimmy's Dry Cleaner	CLIENT PROJECT #:	CLIENT P.O.#:			

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	VOC 8260	COMMENTS
MW-2(130)	5/21/07 1515		X	X				3	X	
MW-2(140)	5/21/07 1445		X	X				3	X	
MW-2(150)	5/21/07 1420		X	X				3	X	
MW-2(160)	5/21/07 1340		X	X				3	X	
MW-2(170)	5/21/07 1300		X	X				3	X	
MW-2(170)MS	5/21/07 1300		X	X				3	X	
MW-2(170)MSD	5/21/07 1300		X	X				3	X	
MW-2(180)	5/21/07 1130		X	X				3	X	
MW-2(190)	5/21/07 1055		X	X				3	X	
MW-2(200)	5/21/07 1010		X	X				3	X	
TB-1	- / -		X			X		2	X	
	/									

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
	David Ingo	5/21/07 1700	FedEx 9612 6513 8687	5/21/07 1700		
		/		/		
		/		/		

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email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

COMPANY	O'Brien + Gere	PHONE	315 437 6100	COMPANY		PHONE		LAB PROJECT #:
NAME	Marc Dent	FAX		NAME	Same	FAX		
ADDRESS	5000 Brittonfield PKWY			ADDRESS				TURNAROUND TIME:
CITY/ST/ZIP	E. Syracuse, NY 13057			CITY/ST/ZIP				24 hrs

CLIENT PROJECT NAME:	CLIENT PROJECT #:	CLIENT P.O.#:
Jimmy's Dry Cleaner		

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	REQUESTED ANALYSES: VOC 8260	COMMENTS
MW-2(20)	5/22/07 1345		X	X				3	X	
MW-2(30)	5/22/07 1320		X	X				3	X	
MW-2(40)	5/22/07 1310		X	X				3	X	
MW-2(50)	5/22/07 1300		X	X				3	X	
TB-2	- / -		X			X		2	X	
MW-2(60)	5/22/07 1125		X	X				3	X	
MW-2(70)	5/22/07 1105		X	X				3	X	
MW-2(80)	5/22/07 1045		X	X				3	X	
MW-2(90)	5/22/07 1015		X	X				3	X	
MW-2(100)	5/22/07 0945		X	X				3	X	
MW-2(110)	5/22/07 0925		X	X				3	X	
MW-2(120)	5/22/07 0910		X	X				3	X	

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
	Daniel Lyga	5/22/07 1630	FedEx 8598 1087 2615	5/22/07 1630		
		/		/		
		/		/		

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CHAIN-OF-CUSTODY RECORD

COMPANY O'Brien & Gere	PHONE (315) 437-6100	COMPANY	PHONE	LAB PROJECT #:
NAME Marc Dent	FAX	NAME Same	FAX	
ADDRESS 5000 Brittonfield Pkwy		ADDRESS		TURNAROUND TIME: 24 hrs
CITY/ST/ZIP E. Syracuse, NY 13057		CITY/ST/ZIP		

CLIENT PROJECT NAME: Jimmy's Dry Cleaner

CLIENT PROJECT #:

CLIENT P.O.#:

REQUESTED ANALYSES

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	VOC 8260												COMMENTS
X-1	5/22/07 0945		X	X				3	X												
	/																				
	/																				
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TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
	Paul Rizz	5/22/07 1630	FedEx	5/22/07 1630		
		/		/		
		/		/		

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CHAIN-OF-CUSTODY RECORD

COMPANY O'Brien + Gere	PHONE (315)437-6100	COMPANY	PHONE	LAB PROJECT #:	
NAME Marc Dent	FAX	NAME Sam	FAX		
ADDRESS 5000 Brittonfield Pkwy		ADDRESS		TURNAROUND TIME: 24hrs	
CITY/ST/ZIP E. Syracuse, NY 13057		CITY/ST/ZIP			
CLIENT PROJECT NAME: Jimmy's Dry Cleaner	CLIENT PROJECT #:	CLIENT P.O.#:			

REQUESTED ANALYSES: VOC 8260

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	VOC 8260	COMMENTS
MW-3 (150)	5/29/07 0950		X	X				3	X	
MW-3 (140)	5/29/07 1020		X	X				2	X	
MW-3 (130)	5/29/07 1045		X	X				2	X	
MW-3 (120)	5/29/07 1105		X	X				2	X	
MW-3 (110)	5/29/07 1130		X	X				2	X	
MW-3 (90)	5/29/07 1308		X	X				2	X	
MW-3 (80)	5/29/07 1350		X	X				2	X	
TB-3	— / —		X	X				2	X	
MW-3 (100)	5/29/07 1300		X	X				2	X	
MW-3 (70)	5/30/07 1020		X	X				2	X	
MW-3 (60)	5/30/07 1040		X	X				2	X	
MW-3 (50)	5/30/07 1050		X	X				2	X	

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
	Paul Lyster	5/30/07 1600	FedEx 8580 2997 6484	5/30/07 1600		
		/		/		
		/		/		

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CHAIN-OF-CUSTODY RECORD

COMPANY O'Brien & Gere	PHONE (315)437 6100	COMPANY	PHONE	LAB PROJECT #:	
NAME Marc Dent	FAX	NAME Same	FAX		
ADDRESS 5000 Britton Field Pkwy		ADDRESS		TURNAROUND TIME: 24 hrs	
CITY/ST/ZIP E. Syracuse, NY 13057		CITY/ST/ZIP			

CLIENT PROJECT NAME: Jimmy's Dry Cleaner

CLIENT PROJECT #:

CLIENT P.O.#:

REQUESTED ANALYSES

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	VOC 8260	COMMENTS
MW-3 (40')	5/30/07 1107		X	X				2	X	
MW-3 (30')	5/30/07 1130		X	X				2	X	
MW-3 (20')	5/30/07 1150		X	X				2	X	
X-2	5/30/07 1040		X	X				2	X	
	/									
	/									
	/									
	/									
	/									
	/									
	/									
	/									

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
	David Urpen	5/30/07 1600	FedEx	5/30/07 1600		
		/		/		
		/		/		

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CHAIN-OF-CUSTODY RECORD

Page 1 of 1

COMPANY O'Brien & Gere	PHONE (315) 437 6100	COMPANY	PHONE	LAB PROJECT #:	
NAME Marc Dent	FAX	NAME Same	FAX		
ADDRESS 5000 Brittonfield PKWy		ADDRESS		TURNAROUND TIME: 24 hrs	
CITY/ST/ZIP E. Syracuse, NY 13057		CITY/ST/ZIP			

CLIENT PROJECT NAME:	CLIENT PROJECT #:	CLIENT P.O.#:
Jimmy's Dry Cleaner		

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	VOC 8260	COMMENTS
TB-4	6/1/07 —		X	X					X	
MW-1 (150)	6/1/07 1340		X	X					X	
MW-1 (40)	6/1/07 1411		X	X					X	
MW-1 (130)	6/1/07 1445		X	X					X	
	/									
	/									
	/									
	/									
	/									
	/									
	/									
	/									

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
	Dent Lyon	6/1/07 1800	FedEx 8617 7412 0890	6/1/07 1800		
		/		/		
		/		/		

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CHAIN-OF-CUSTODY RECORD

COMPANY O'Brien & Gere	PHONE (315) 437 6100	COMPANY	PHONE	LAB PROJECT #:	
NAME Marc Dent	FAX	NAME Same	FAX		
ADDRESS 5000 Brittonfield Pkwy		ADDRESS		TURNAROUND TIME:	
CITY/ST/ZIP E. Syracuse, NY 13057		CITY/ST/ZIP		24 hrs	

CLIENT PROJECT NAME: Jimmy's Dry Cleaner | CLIENT PROJECT #: | CLIENT P.O.#:

REQUESTED ANALYSES: VOC 8260

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	VOC 8260	COMMENTS
MW-1 (120)	6/4/07 1100		X	X				2	X	
MW-1 (110)	6/4/07 1125		X	X				2	X	
MW-1 (100)	6/4/07 1145		X	X				2	X	
MW-1 (90)	6/4/07 1215		X	X				2	X	
MW-1 (80)	6/4/07 1240		X	X				2	X	
MW-1 (70)	6/4/07 1300		X	X				2	X	
MW-1 (60)	6/4/07 1325		X	X				2	X	
MW-1 (50)	6/4/07 1348		X	X				2	X	
MW-1 (40)	6/4/07 1407		X	X				2	X	
MW-1 (30)	6/4/07 1425		X	X				2	X	
MW-1 (23)	6/4/07 1500		X	X				2	X	
TB-4	—		X	X				2	X	

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
1	Saul Lip	6/4/07 1700	FedEx 8598 1086 8162	6/4/07 1700		
		/		/		
		/		/		

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CHAIN-OF-CUSTODY RECORD

COMPANY O'Brien + Gere	PHONE (315)437 6100	COMPANY	PHONE	LAB PROJECT #:	
NAME Marc Dent	FAX	NAME	FAX		
ADDRESS 5000 Brittonfield PKWY		ADDRESS Same		TURNAROUND TIME: 24 hrs	
CITY/ST/ZIP E. Syracuse, NY 13057		CITY/ST/ZIP			

CLIENT PROJECT NAME: Jimmy's Dry Cleaner

CLIENT PROJECT #:

CLIENT P.O.#:

REQUESTED ANALYSES: VOC 8260

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	COMMENTS
mw-1(110)MS	6/14/07 1125		X	X				2	
mw-1(110)MSD	6/14/07 1125		X	X				2	
	/								
	/								
	/								
	/								
	/								
	/								
	/								
	/								
	/								
	/								

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
	[signature]	6/14/07 1700	FedEx	6/14/07 1700		
		/		/		
		/		/		

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APPENDIX T

Well Completion Logs for MW Nested Well Installation

Well Completion Log

Well ID: MW-15

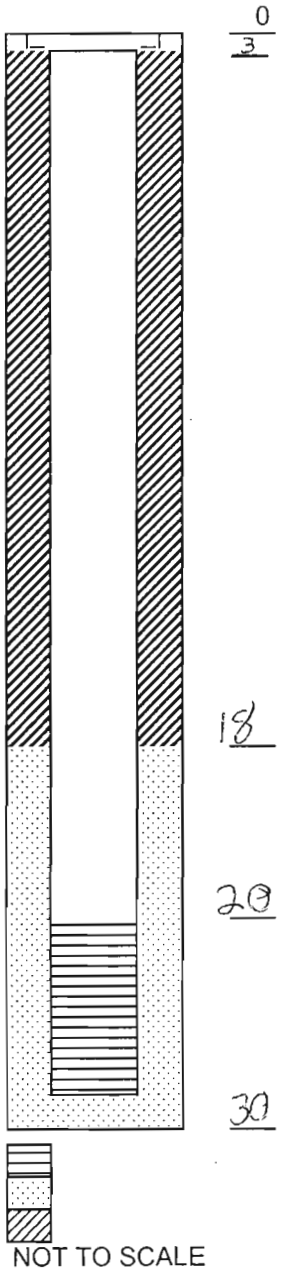
Project: Jimmy's Dry Cleaners
Location: Freeport, NY
Project No.:

Client: O'Brien + Gere
Drill Date: 6/13/07

Construction Notes:

Inspector: D.S.
Drilling Contractor: ADT
Well Type: Obsv. / sampling

WELL CONSTRUCTON DETAIL



Screen:
Filter:
Seal:

NOT TO SCALE

Static Water Level (ft bgs):
Measuring Point: Grade
Total Depth of Well: 30

Drilliing Method- Overburden:

Type: HSA Diameter: 4 1/4
Casing: N/A

Sampling Method - Overburden:

Type: N/A Diameter:
Weight: Fall:
Interval:

Riser Pipe:

Material: PVC Diameter: 2"
Length: 20 Joint Type: Flush

Screen:

Material: PVC Diameter: 2"
Length: 10 Joint Type: Flush
Slot Size: 20

Filter Pack:

Type: Sand Grade: 0/20
Interval: 30-18

Seal (s):

Type: Bentonite Grout Interval: 18-3
Type: cement Interval: 3-0
Type: Interval:

Well Completion Log

Well ID: MW-1I

Project: Jimmy's Dry Cleaner
Location: Freeport, NY
Project No.:

Client: O'Brien + Gere
Drill Date: 6/13/07

Construction Notes:

Inspector: D.S.
Drilling Contractor: ADT
Well Type: Obsv. /Sampling

Static Water Level (ft bgs):
Measuring Point: Grade
Total Depth of Well: 90'

Drilliing Method- Overburden:

Type: HSA Diameter: 4 1/4
Casing: N/A

Sampling Method - Overburden:

Type: N/A Diameter:
Weight: Fall:
Interval:

Riser Pipe:

Material: PVC Diameter: 2"
Length: 80' Joint Type: Flush

Screen:

Material: PVC Diameter: 2"
Length: 10' Joint Type: Flush
Slot Size: 20

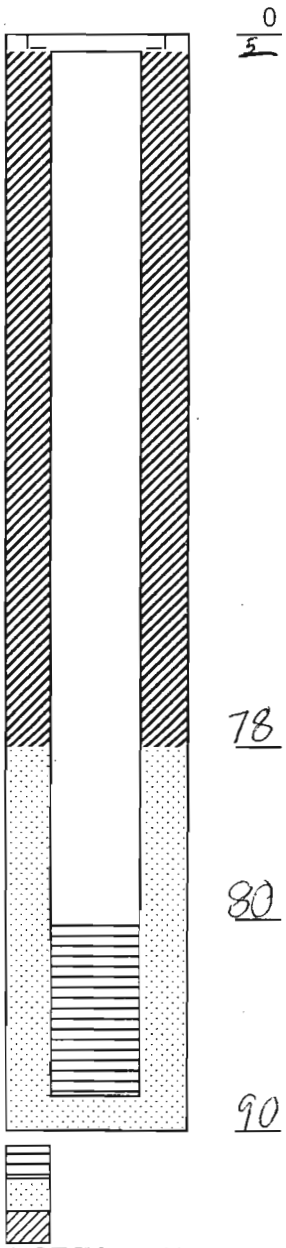
Filter Pack:

Type: Sand Grade: 00-0
Interval: 90-78

Seal (s):

Type: Bentonite Grout Interval: 78-5
Type: Cement Interval: 5-0
Type: Interval:

WELL CONSTRUCTON DETAIL



Screen:
Filter:
Seal:

NOT TO SCALE

Well Completion Log

Well ID: MW-1d

Project: Jimmy's Dry Cleaner
Location: Freeport, NY
Project No.:

Client: O'Brien & Gere
Drill Date: 6/12/07

Construction Notes:

Inspector: Dan Simpson
Drilling Contractor: ADT
Well Type: Observation/Sampling

Static Water Level (ft bgs):
Measuring Point: Grade
Total Depth of Well: 120'

Drilliing Method- Overburden:

Type: HSA Diameter: 4 1/4
Casing: N/A

Sampling Method - Overburden:

Type: Split spoon Diameter: 2"
Weight: 130 lb Fall: 30"
Interval: 0-15'

Riser Pipe:

Material: PVC Diameter: 2"
Length: 110' Joint Type: Flush

Screen:

Material: PVC Diameter: 2"
Length: 10' Joint Type: Flush
Slot Size: 20

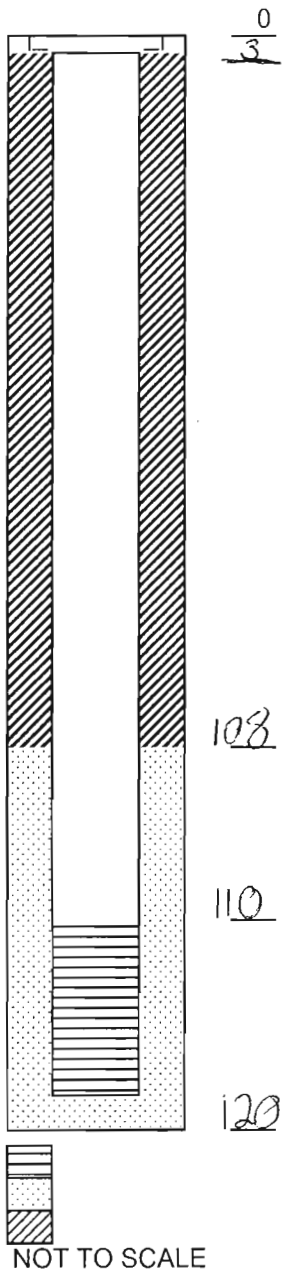
Filter Pack:

Type: Sand Grade: 00
Interval: 120-108

Seal (s):

Type: Bentonite Grout Interval: 108-3
Type: Cement Interval: 3-0
Type: Interval:

WELL CONSTRUCTON DETAIL



Screen:
Filter:
Seal:

NOT TO SCALE

Well Completion Log

Well ID: MW-25

Project: Jimmy's Dry Cleaner
Location: Freeport, NY
Project No.:

Client: O'Brien + Gere
Drill Date: 6/6/07

Construction Notes:

Inspector: DS.
Drilling Contractor: ADT
Well Type: Observ. / sampling

Static Water Level (ft bgs):
Measuring Point: Grade
Total Depth of Well: 25'

Drilliing Method- Overburden:

Type: HSA Diameter: 4¼
Casing: N/A

Sampling Method - Overburden:

Type: N/A Diameter:
Weight: Fall:
Interval:

Riser Pipe:

Material: PVC Diameter: 2"
Length: 15 Joint Type: Flush

Screen:

Material: PVC Diameter: 2"
Length: 10 Joint Type: Flush
Slot Size: 20

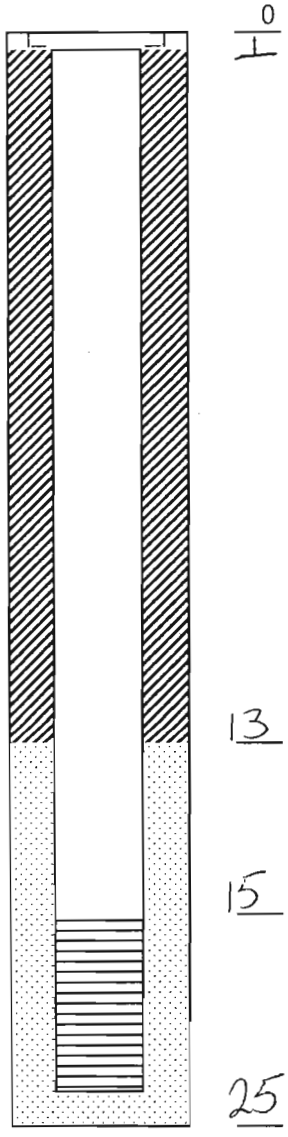
Filter Pack:

Type: Sand Grade: 000
Interval: 25-13

Seal (s):

Type: Bentonite Grout Interval: 13-1
Type: Cement Interval: 1-0
Type: Interval:

WELL CONSTRUCTON DETAIL



Screen:
Filter:
Seal:

NOT TO SCALE

Well Completion Log

Well ID: MW-2I

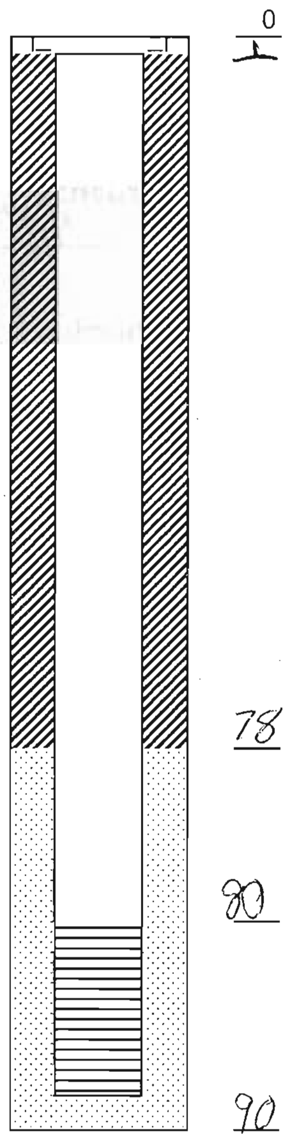
Project: Jimmy's Dry Cleaner
Location: Freeport, NY
Project No.:

Client: O'Brien & Gere
Drill Date: 6/7/07

Construction Notes:

Inspector: DS
Drilling Contractor: ADT
Well Type: Obsv. Sampling

WELL CONSTRUCTON DETAIL



Screen:
Filter:
Seal:

NOT TO SCALE

Static Water Level (ft bgs):
Measuring Point: Grade
Total Depth of Well: 90

Drilliing Method- Overburden:

Type: HSA Diameter: 4 1/4
Casing: N/A

Sampling Method - Overburden:

Type: N/A Diameter:
Weight: Fall:
Interval:

Riser Pipe:

Material: PVC Diameter: 2"
Length: 80 Joint Type: Flush

Screen:

Material: PVC Diameter: 2"
Length: 10 Joint Type: Flush
Slot Size: 20

Filter Pack:

Type: Sand Grade: 00
Interval: 90 - 78

Seal (s):

Type: Bentonite Grout Interval: 78 - 1
Type: Cement Interval: 1 - 0
Type: Interval:

Well Completion Log

Well ID: MW-2d

Project: Jimmy's Dry Cleaner
Location: Freeport, NY
Project No.:

Client: O'Brien + Gere
Drill Date: 6/6/07

Construction Notes:

Inspector: DS.
Drilling Contractor: ADT
Well Type: Obsv. /Sampling

Static Water Level (ft bgs):
Measuring Point: Grade
Total Depth of Well: 120

Drilliing Method- Overburden:

Type: HSA Diameter: 4 1/4
Casing: N/A

Sampling Method - Overburden:

Type: split spoon Diameter: 2"
Weight: 130 lb Fall: 30"
Interval: 0-200

Riser Pipe:

Material: PVC Diameter: 2"
Length: 110 Joint Type: Flush

Screen:

Material: PVC Diameter: 2"
Length: 10 Joint Type: Flush
Slot Size: 20

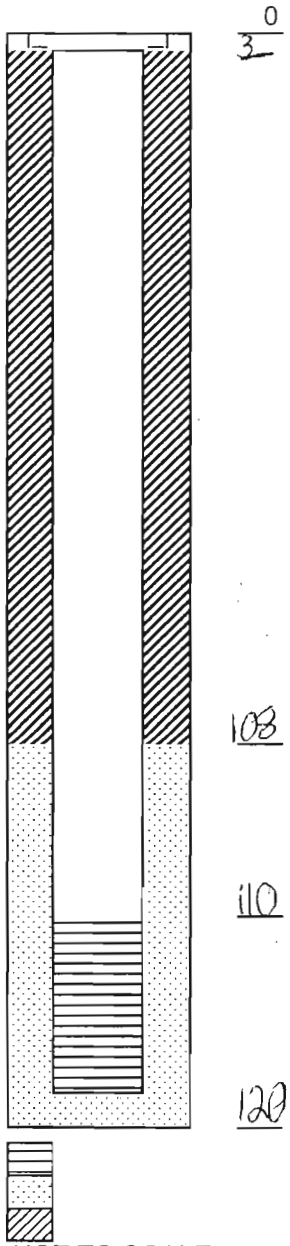
Filter Pack:

Type: Sand Grade: 000
Interval: 120

Seal (s):

Type: Bentonite Grout Interval: 108 - 3
Type: Cement Interval: 3-0
Type: Interval:

WELL CONSTRUCTON DETAIL



Screen:
Filter:
Seal:

NOT TO SCALE

Well Completion Log

Well ID: MW-3S

Project: Jimmy's Dry Cleaner
Location: Freeport, NY
Project No.:

Client: O'Brien & Gere
Drill Date: 6/12/07

Construction Notes:

Inspector: D.S.
Drilling Contractor: ADT
Well Type: Obsv./Sampling

Static Water Level (ft bgs):
Measuring Point: Grade
Total Depth of Well: 35'

Drilliing Method- Overburden:

Type: HSA Diameter: 4 1/4
Casing: N/A

Sampling Method - Overburden:

Type: N/A Diameter:
Weight: Fall:
Interval:

Riser Pipe:

Material: PVC Diameter: 2"
Length: 25' Joint Type: Flush

Screen:

Material: PVC Diameter: 2"
Length: 10 Joint Type: Flush
Slot Size: 20

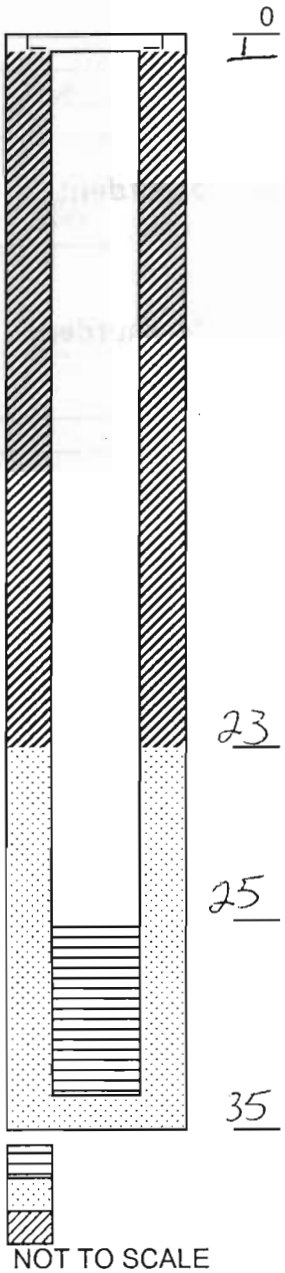
Filter Pack:

Type: Sand Grade: 000
Interval: 35-23

Seal (s):

Type: Bentonite Grout Interval: 23 - 1
Type: Cement Interval: 1 - 0
Type: Interval:

WELL CONSTRUCTON DETAIL



Screen:
Filter:
Seal:

NOT TO SCALE

Well Completion Log

Well ID: MW-3I

Project: Jimmy's Dry Cleaner
Location: Freeport, NY
Project No.:

Client: O'Brien + Gere
Drill Date: 6/11/07

Construction Notes:

Inspector: D.S.
Drilling Contractor: ADT
Well Type: Obsv./Sampling

Static Water Level (ft bgs):
Measuring Point: Grade
Total Depth of Well: 100

Drilliing Method- Overburden:

Type: HSA Diameter: 4 1/4
Casing: N/A

Sampling Method - Overburden:

Type: N/A Diameter:
Weight: Fall:
Interval:

Riser Pipe:

Material: PVC Diameter: 2"
Length: 90 Joint Type: Flush

Screen:

Material: PVC Diameter: 2"
Length: 10 Joint Type: Flush
Slot Size: 20

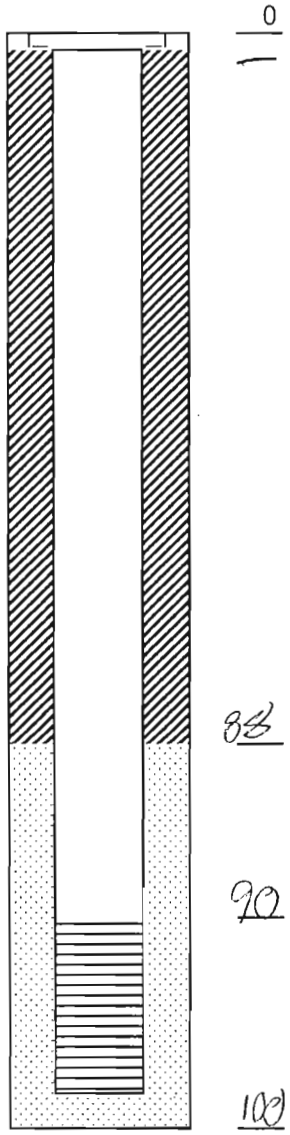
Filter Pack:

Type: Sand Grade: QQQ
Interval: 100-88

Seal (s):

Type: Bentonite Grout Interval: 88-3
Type: cement Interval: 3-0
Type: Interval:

WELL CONSTRUCTON DETAIL



Screen:
Filter:
Seal:

NOT TO SCALE

Well Completion Log

Well ID: MW-3d

Project: Jimmy's Dry Cleaner
Location: Freeport, NY
Project No.:

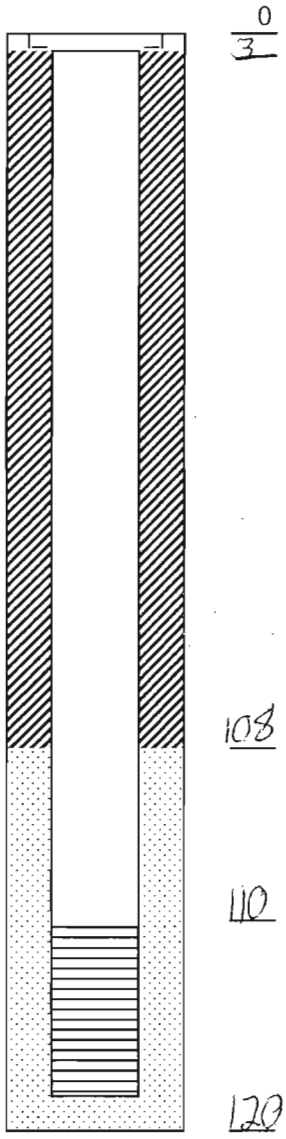
Client: O'Brien + Gere
Drill Date: 6/11/07

Construction Notes:

Inspector: D.S.
Drilling Contractor: ADT
Well Type: Obsv. /Sampling

Static Water Level (ft bgs):
Measuring Point: Grade
Total Depth of Well: 120

WELL CONSTRUCTON DETAIL



Screen:
Filter:
Seal:

NOT TO SCALE

Drilliing Method- Overburden:

Type: HSA Diameter: 4 1/4
Casing: N/A

Sampling Method - Overburden:

Type: Split spoon Diameter: 2"
Weight: 130 lb Fall: 30"
Interval: 0-150

Riser Pipe:

Material: PVC Diameter: 2"
Length: 110 Joint Type: Flush

Screen:

Material: PVC Diameter: 2"
Length: 10 Joint Type: Flush
Slot Size: 20

Filter Pack:

Type: Sand Grade: 000
Interval: 120-108

Seal (s):

Type: Bentonite Grout Interval: 108-3
Type: Cement Interval: 3-0
Type: Interval:

APPENDIX U

Well Sampling Logs for MW Nested Wells

Well Development
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Field Perosonnel: John Robinson, Don Powierski, Carlos Pena
Weather: sunny, 70F
Well No.: MW-1S
Equipment: Grundfos

Purge Information
Date: 6/15/07
Purge time: Start: 9:22
Stop: 9:35
Total Volume: 39.50 gal.
Volume Purged: 42.00 gal.
Mea. Point: PVC
Well Dia.: 2 in.
Total Depth: 28.18 ft.
DTW: 4.96 ft.
1 Vol.: 3.95 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	App/Odor	Flow Rate
Initial	17.7	7.66	.216		999	brown	5 gal/min
V-1	16.4	7.60	.298		688	Light brown	5 gal/min
V-2	~~7.10~~ 16.3	7.10	.294		484	light brown	5 gal/min
V-3	16.3	7.12	.287		341	Light brown	5 gal/min
V-4	16.2	7.12	.285		321	Light brown	5 gal/min
V-5	18.0	7.14	.260		999	Brown	5 gal/min
V-6	16.7	6.98	.245		999	Dark Brown	5 gal/min
V-7	16.3	6.96	.314		999	Brown	5 gal/min
V-8	16.2	6.97	.285		999	Dark Brown	5 gal/min
V-9	16.0	6.89	.301		999	Brown	5 gal/min
V-10	16.6	6.88	.359		999	Light Brown	5 gal/min
Final	16.0	6.95	.289		824	Clear	5 gal/min

Sampling Information
Date Collected:
Time Collected:
Sample ID:
Method of Sampling:
Sample Description:

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative

Notes Final: DTW = 4.96, TD = 28.35

Well Development
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Field Perosonnel: John Robinson, D
Weather: Sunny, 70F
Well No.: MW-1I
Equipment: Grundfos

Purge Information
Date: 6/15/07
Purge time: Start: 10:35
Stop: 11:40
Total Volume: 142.10 gal.
Volume Purged: 143 gal.
Mea. Point: PVC ft.
Well Dia.: 2 in.
Total Depth: 88.74 ft.
DTW: 5.12 ft.
1 Vol.: 14.21 gal.

Purge Water Characteristics

		Temp.	pH	Cond.	DO	Turb.	App/Odor	Flow Rate	
0	Initial	17.0	8.38	.126		999	Dark Brown	2.5 gal/min	Sheen/Odor
14.21	V-1	17.3	7.14	.207		999	Very Turbid/Dark Brown	2.5 gal/min	
28.42	V-2	15.8	6.21	.227		999	Brown	2.5 gal/min	
42.63	V-3	15.8	6.0	.222		999	Brown	2.5 gal	
56.84	V-4	15.5	5.86	.204		999	Gray	2.5 gal/min	
71.05	V-5	15.7	5.74	.222		999	Light Gray	2.5 gal/min	
85.26	V-6	15.5	5.63	.218		999	Light Gray	2.5 gallons	
99.47	V-7	15.5	5.52	.219		588	Clear	2.5 gal/min	
113.68	V-8	15.6	5.53	.221		387	Clear	2.5 gal/min	
127.89	V-9	15.9	5.46	.221		999	Dark Gray	2.5 gal/min	
142.10	V-10	15.9	5.42	.202		999	Light Gray	2.5 gal/min	
	Final	15.7	5.35	.213		786	Clear	2.5 gal/min	

Sampling Information
Date Collected:
Time Collected:
Sample ID:
Method of Sampling:
Sample Description:

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative

Notes Final DTW = 5.17, TD = 88.41 TOC.

Well Development
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Field Perosonnel: John Robinson, Dan Powierski, Carlos Pena
Weather: Sunny, 70F
Well No.: MW-1D
Equipment: Grundfos

Purge Information
Date: 6/15/07
Purge time: Start: 11:56
Stop: 14:20
Total Volume: 191.50 gal.
Volume Purged: 192.00 gal.
Mea. Point: PVC ft.
Well Dia.: 2 in.
Total Depth: 117.48 ft.
DTW: 4.82 ft.
1 Vol.: 19.15 gal.

Purge Water Characteristics

		Temp.	pH	Cond.	DO	Turb.	App/Odor	Flow Rate
0	Initial	19.7	6.80	.133		999	Brown	2.5gal/min
19.15	V-1	16.5	6.12	.0172		999	Dark Gray	2.5 gal/min
38.30	V-2	15.7	5.50	.0211		999	Dark Gray	2.5 GPM
57.45	V-3	15.8	5.39	.235		674	slight gray	2.5 gpm
76.60	V-4	15.7	5.24	.242		402	clear	2.5 gpm
95.75	V-5	15.7	5.12	.241		287	Clear	2.5 gal/min
114.9	V-6	16.1	5.27	.246		426	Clear	2.5 gal/min
134.05	V-7	16.4	5.18	.235		314	Clear	2.5 gal/min
153.2	V-8	16.0	5.10	.247		271	Clear	2.5 gal/min
172.35	V-9	17.2	5.11	.246		477	clear	2.5 gal/min
191.50	V-10	15.5	5.12	.247		429	clear	2.5 gal/min
		16.1	5.10	.245		338	clear	2.5 gal/min
	Final							

Sampling Information
Date Collected:
Time Collected:
Sample ID:
Method of Sampling:
Sample Description:

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative

Notes
Final: DTW = 4.90, TD = 117.40

Well Development
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Field Perosonnel: Dan Simpson, Dan Powierski, Carlos Pena
Weather: cloudy, 70F
Well No.: MW-2 5'
Equipment: Grundfos

Purge Information
Date: 6/14/07
Purge time: Start: 1205 Stop: 1234
Total Volume: 23 gal.
Volume Purged: 10 gal.
Mea. Point: PVC ft.
Well Dia.: 2 in.
Total Depth: 25.19 ft.
DTW: 11.85 ft.
1 Vol.: 2.3 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	App/Odor	Flow Rate
Initial	~~15.2~~	7.51	.415		999	grey milky	2.5gal/min
V-1	15.1	7.61	.352		999	dark grey	2.5gal/min
V-2	14.8	7.07	.349		999	grey	2.5gal/min
V-3							
V-4							
V-5							
V-6							
V-7							
V-8							
V-9							
V-10							
Final							

2.3 4.6 6.9 9.2 11.5 13.8 16.1 18.4 20.7 23
Start pumping

Sampling Information
Date Collected:
Time Collected:
Sample ID:
Method of Sampling:
Sample Description:

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative

Notes
Dry @ 5gal, 7.5gal, 10gal tubing left in well
DTW= 22.3, 23.1, 13.62, ~~20.5~~
Final: TD=25.31, DTW=20.5

Well Development
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Field Perosonnel: John Robinson, Dan Powierski, Carlos Peña
Weather: overcast, 70F
Well No.: MW-2I
Equipment: Grundfos

Purge Information
Date: 6/14/07
Purge time: Start: 1120 Stop: 1200
Total Volume: 130 gal.
Volume Purged: 130 gal.
Mea. Point: PVC
Well Dia.: 2 in.
Total Depth: 90.31 ft.
DTW: 13.31 ft.
1 Vol.: 13.05 gal.

Purge Water Characteristics

		Temp.	pH	Cond.	DO	Turb.	App/Odor	Flow Rate
	Initial	15.3	7.64	.115	4.61	993	brown	4 gal/min
13.05	V-1	15.0	6.80	.255		999	brown	4gal/min
26.00	V-2	19.2	6.99	.270		999	brown	4gal/min
39.15	V-3	15.4	6.53	.275		999	light brown	4gal/min
52.2	V-4	15.2	6.51	.276		800	light grey	4gal/min
65.25	V-5	15.3	6.43	.279		500	light grey	4gal/min
78.3	V-6	16.2	6.43	.282		430	light grey	4gal/min
91.35	V-7	15.3	6.50	.279		510	clear	4gal/min
104.4	V-8	15.2	6.40	.280		397	clear	4gal/min
117.45	V-9	15.2	6.46	.281		312	clear	4gal/min
130.5	V-10	15.1	6.41	.280		359	clear	4gal/min
	Final	15.2	6.43	.281		335	clear	4gal/min

Sampling Information
Date Collected:
Time Collected:
Sample ID:
Method of Sampling:
Sample Description:

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative

Notes
tubing left in well Final DTW=13.33, TD=90.32

Well Development
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Field Perosonnel: Dan Simpson, Dan Powierski, Carlos Peña
Weather: Cloudy, 70F
Well No.: MW-21D
Equipment: Grundfos

Purge Information
Date: 6/14/07
Purge time: Start: 1250 Stop: 1333
Total Volume: 178.2 gal.
Volume Purged: ~~178.02~~ 178.2 gal.
Mea. Point: PVC ft.
Well Dia.: 2 in.
Total Depth: 117.91 ft.
DTW: 13.05 ft.
1 Vol.: 17.82 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	App/Odor	Flow Rate
17.82 Initial	15.9	7.67	.167		999	brown	3gal/min
35.64 V-1	15.5	6.69	.260		999	brown	3gal/min
53.46 V-2	15.4	6.36	.268		999	light brown	3gal/min
71.28 V-3	15.4	6.38	.271		999	light brown	3gal/min
89.1 V-4	15.4	6.33	.274		999	light brown	3gal/min
106.92 V-5	15.4	6.32	.275		999	light brown	3gal/min
124.74 V-6	15.4	6.30	.256		999	light brown	3gal/min
142.56 V-7	15.4	6.28	.279		999	lg brown	3gal/min
160.38 V-8	15.4	6.25	.279		999	light brown	3gal/min
178.2 V-9	15.2	6.33	.255		901	light brown	3gal/min
196.02 V-10	15.3	6.24	.249		808	lg brown	3gal/min
Final							

← shift down one row

Sampling Information
Date Collected:
Time Collected:
Sample ID:
Method of Sampling:
Sample Description:

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative

Notes
Final: DTW=13.20, TD=118.11 tubing left in well

Well Development
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Field Perosonnel: John Robinson, Dan Powierski, Carlos Peña
Weather: overcast, 70F
Well No.: MW-35
Equipment: Grundfos

Purge Information
Date: 6/13/07
Purge time: Start: 14:04
Stop: 14:22
Total Volume: 45.5 gal.
Volume Purged: 48 gal.
Mea. Point: ~~Top of PVC~~ Grade ft.
Well Dia.: 2 in.
Total Depth: ~~35.30~~ 35.00 ft.
DTW: 14.98 ft.
1 Vol.: 3.4 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	App/Odor	Flow Rate
Initial	16.7	6.65	.311	7.30	999	Brown	3.5 gallons/min
V-1	15.0	6.27	.312	8.13	999	Brown	3.5 gal/min
V-2	14.9	5.72	.305	7.36	716	Light Brown	3.5 gallons/min
V-3	14.9	5.56	.306	7.81	999	Brown	3.5 gal/min
V-4	14.8	5.52	.302	7.44	980	Light Brown	3.5 gal/min
V-5	14.9	5.52	.309	7.45	539	Clear	3.5 gallons/min
V-6	14.8	5.44	.317	7.88	302	Clear	3.5 gallons/min
V-7	15.0	5.54	.319	7.87	265	Clear	3.5 gal/min
V-8	14.8	5.51	.317	7.93	999	Light Brown	3.5 gallons/min
V-9	15.1	5.52	.326	7.84	999	Brown	3.5 gallons/min
V-10	14.6	5.49	.321	7.78	971	Light Brown	3.5 gallons/min
	14.9	5.53	.326	7.86	999	Light Brown	3.5 gallons/min
Final	14.7	5.51	.318	7.72	540	Clear	3.5 gallons/min
	14.7	5.62	.324	7.40	668	Clear	3.5 gallons/min

Sampling Information
Date Collected:
Time Collected:
Sample ID:
Method of Sampling:
Sample Description:

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative

Notes
Final: DTW: 15.00
TD= 35.16

Well Development
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General
Field Perosonnel: John Robinson / Dan Powderski, Carlos Peña
Weather: Overcast, 70F
Well No.: MW-3I
Equipment: Grundfos

Purge Information
Date: 6/13/07
Purge time: Start: 1525 Stop: 1600
Total Volume: 146 gal.
Volume Purged: 146 gal.
Mea. Point: @ Grade ft.
Well Dia.: 2 in.
Total Depth: 100.70 ft.
DTW: 14.68 ft.
1 Vol.: 14.6 gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	App/Odor	Flow Rate
Initial	14.7	7.18	.109		999	Gray	2.5
14.6 V-1	14.8	5.69	.120		999	lt Gray	↓
29.2 V-2	14.0	4.76	.138		999	lt Gry	↓
43.8 V-3	14.8	4.88	.161		999	lt gray	↓
57.4 V-4	15.4	4.98	.190		322	clear	
71.8 V-5	15.5	4.70	.191		999	lt gray	
86.4 V-6	15.0	4.53	.183		265	clear	
101.2 V-7	15.1	4.48	.192		217	clear	
116 V-8	14.8	4.47	.195		246	clear	
130.8 V-9	14.8	4.51	.179		171	clear	
145.4 V-10	14.8	4.51	.181		180	clear	
Final							

Amp-ht

Sampling Information
Date Collected:
Time Collected:
Sample ID:
Method of Sampling:
Sample Description:

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative

Notes
DTW Final : 14.68
TD Final : 98.82

Well Development
NYSDEC- Jimmy's Cleaner OU-2
Roosevelt, NY

General

Field Perosonnel: John Robinson — Well No.: MW-30
Weather: overcast, 66°F — Equipment: Grundfos Redi Flo

Purge Information

Date: 6/14/07 — Mea. Point: Code — ft.
Purge time: Start: 1414 — Well Dia.: 2" — in.
Stop: 1450 — Total Depth: 118.4 — ft.
Total Volume: 176 gal. — DTW: 14.67 — ft.
Volume Purged: 176 gal. — 1 Vol.: 17.63 — gal.

Purge Water Characteristics

	Temp.	pH	Cond.	DO	Turb.	App/Odor	Flow Rate
Initial	15.1	7.18	.211	5.80	819	Brown	2.5 gallmin
17.6 V-1	15.4	5.92	.288	1.58	999	Light Brown	2.5 gal/min
35.2 V-2	15.9	6.05	.262		999	light brown	2.5 gal/min
52.8 V-3	15.4	5.88	.253		999	light brown	2.5 gal/min
70.4 V-4	15.2	5.81	.258		999	light brown	2.5 gal/min
88 V-5	15.1	5.74	.247		738	light brown	2.5 gal/min
105.6 V-6	15.1	5.66	.159		618	light brown	2.5 gal/min
123.2 V-7	15.1	5.62	.169		541	light brown	2.5 gal/min
140.8 V-8	15.0	5.61	.166		441	light brown	2.5 gal/min
158.4 V-9	15.0	5.59	.170		410	light brown	2.5 gal/min
176 V-10	15.0	5.57	.171		366	light brown	2.5 gal/min
Final							

Sampling Information

Date Collected:
Time Collected:
Sample ID:
Method of Sampling:
Sample Description:

Analytical Parameters

Analysis	Container Type	# Collected	Field Filter	Preservative

Notes

Final: DTW = 15.85, TD = 117.15 (grade) 116.97 (TOC)

APPENDIX V

Chain of Custody Records for MW Nested Wells Sampling

MITKEM CORPORATION
175 Metro Center Boulevard
Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

COMPANY	O'Brien & Gere	PHONE 315 437 6100	COMPANY	PHONE	LAB PROJECT #:
NAME	Marc Dent	FAX	NAME Same	FAX	
ADDRESS	5000 Brittonfield PKWY		ADDRESS		TURNAROUND TIME: STD
CITY/ST/ZIP	E. Syracuse, NY 13057		CITY/ST/ZIP		
CLIENT PROJECT NAME: Jimmy's Dry Cleaner		CLIENT PROJECT #:	CLIENT P.O.#:		

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	8260 (VOC)	COMMENTS
MW-3D	7/10/07 1235		X	X				2	X	
MW-2S	7/10/07 1145		X	X				2	X	
MW-1S	7/10/07 1115		X	X				2	X	
ITMW-2S	7/10/07 1025		X	X				2	X	
X-1	7/10/07 1025		X	X				2	X	
ITMW-2d	7/10/07 1000		X	X				2	X	
ITMW-2d MS	7/10/07 1000		X	X				2	X	
ITMW-2d MSD	7/10/07 1000		X	X				2	X	
CMT-5(1)	7/9/07 1435		X	X				2	X	
CMT-5(2)	7/9/07 1420		X	X				2	X	
CMT-5(3)	7/9/07 1400		X	X				2	X	
TB-1	7/10/07		X	X				2	X	

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
	Signature	7/10/07 1700	FedEx 8624 4916 5480	7/10/07 1700		
		/		/		
		/		/		

WHITE: LABORATORY COPY YELLOW: REPORT COPY PINK: CLIENT'S COPY

MITKEM CORPORATION
175 Metro Center Boulevard
Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

COMPANY	O'Brien + Gere	PHONE	(315)437-6100	COMPANY		PHONE		LAB PROJECT #:
NAME	Marc Dent	FAX		NAME	Same	FAX		
ADDRESS	5000 Brittenfield Pkwy			ADDRESS				TURNAROUND TIME:
CITY/ST/ZIP	E. Syracuse, NY 13057			CITY/ST/ZIP				STD

CLIENT PROJECT NAME:	CLIENT PROJECT #:	CLIENT P.O.#:
Jimmy's Dry Cleaner		

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	8360 (VOC)										REQUESTED ANALYSES	COMMENTS
MW-1I	7/9/07 1235		X	X				2	X											
MW-1d	7/9/07 1120		X	X				2	X											
	/																			
	/																			
	/																			
	/																			
	/																			
	/																			
	/																			
	/																			
	/																			
	/																			

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
	Dan Lipp	7/10/07 1700	FedEx	7/10/07 1700		
		/		/		
		/		/		

WHITE: LABORATORY COPY YELLOW: REPORT COPY PINK: CLIENT'S COPY

MITKEM CORPORATION
175 Metro Center Boulevard
Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

COMPANY O'Brien & Gere	PHONE (315) 437 6100	COMPANY	PHONE	LAB PROJECT #:	
NAME Marc Dent	FAX	NAME Same	FAX		
ADDRESS 5000 Brittonfield Pkwy		ADDRESS		TURNAROUND TIME: STD	
CITY/ST/ZIP E. Syracuse, NY 13057		CITY/ST/ZIP			
CLIENT PROJECT NAME: Jimmy's Dry Cleaner	CLIENT PROJECT #:	CLIENT P.O.#:			

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	8260 CVOC	TCLP VOC	TCLP SVOC	TCLP Metals	Flashpoint	COMMENTS
TB-2	— / —		X	X				2	X					
WD-1	7/12/07 / 1045	X		X				6		X	X	X	X	
MW-2I	7/12/07 / 1020		X	X				2	X					
MW-2D	7/12/07 0945		X	X				2	X					
MW-3S	7/11/07 / 1415		X	X				2	X					
MW-3I	7/11/07 / 1350		X	X				2	X					
EQ-1	7/12/07 1020		X	X				2	X					
	/													
	/													
	/													
	/													
	/													

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
	Signature	7/12/07 1400	FedEx 8624 4916 3320	7/12/07 1400		
		/		/		
		/		/		

WHITE: LABORATORY COPY YELLOW: REPORT COPY PINK: CLIENT'S COPY

APPENDIX W

Hazardous Waste Manifest for Spent Carbon

CAN# 3878R
RH 1427

Received 02-02-07
David Cluck

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYD 061972105	1	800-457-7362	001176509 JJK

5. Generator's Name and Mailing Address
NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
625 BROADWAY
ALBANY, NY 12233
Generator's Phone: (518) 402-9622

Generator's Site Address (if different than mailing address)
Jimmy's Drycleaners
61 Nassau Road
Roosevelt, NY 11575

6. Transporter 1 Company Name
AUTUMN INDUSTRIES, INC.
U.S. EPA ID Number
OHD 986974780

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
CALGON CARBON CORPORATION
BIG SANDY PLANT
ROUTE 23, PO BOX 1064
CATLETTSBURG, KY 41129
Facility's Phone: (606) 739-8681
U.S. EPA ID Number
KYD 005009923

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. Hazardous Waste, solid, n.o.s., 9, NA 3077, III, (F003)	6	DM	1050	P	F003	R	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
CAN: 3878R

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: FERNANDO A. PEREZ FOR NYSDEC
Signature:
Month: 01 Day: 30 Year: 07

INT'L
16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER
17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
K. M. LYNN		01	31	07
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY
18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H039			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year
DAVID CLUCK FOR CCC	David Cluck	02	02	07

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY'S COPY

CALGON CARBON CORPORATION

BIG SANDY PLANT P.O. BOX 664 CATLETTSBURG, KY 41129-0664 (606) 739-8681 Fax (606) 739-5741

February 9, 2007

NYS Department of Environmental Conservation
c/o Jimmy's Dry Cleaners
625 Broadway
Albany, NY 12233

Attention: Donna Cummings / Jennifer Lalli

Calgon Carbon Corporation's Big Sandy Reactivation Facility in Catlettsburg, Kentucky has received the following shipment(s) of spent activated carbon from Jimmy's Dry Cleaners (NYS Department of Environmental Conservation). This shipment was stored in our RCRA Part B permitted storage area until thermally regenerated (recycled) within ten days of receipt.

CA #	RMA #	Rec'd Date	Quantity
3878R	10230369	02/02/2007	6 Drums

Please note: The weight of spent carbon returned will vary depending on the application and adsorbate loading.

Regards,

Calgon Carbon Corporation

Ann Boyll
Plant Services Coordinator

APPENDIX X

Bill of Lading for Soil and Ground Water Wastes

BILL OF LADING

PHILIP SERVICES CORP.

120 South Fourth Street
Bayshore, NY 11706

B/L Number 85621

DATE OF PICKUP _____ EPA IDENTIFICATION CODE NO. NYD061972105

GENERATOR NYSDEC-JIMMY'S CLEANERS ADDRESS 61 NASSAU RD

CITY ROOSEVELT STATE NY ZIP 11575 PHONE 516 867-9589

CONTACT: _____ BROKER: O'BRIEN & GERE

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers No.	Containers Type	Total Quantity	Unit Wt./Vol.	Waste No.
a. NON DOT/RCRA HAZ LIQUID NOT DOT REGULATED	005	D F	000275	G	N/A
b.					
c.					
d.					

Additional Information/Lab Code

a 5D13289 T c

b d

Emergency Phone# 631-586-0333

CONTRACT/PO NO. _____

NO. OF OVERPACKS USED _____

START TIME _____

ARRIVAL AT CUSTOMER _____

DEPARTED CUSTOMER _____

DELAY TIME _____

SPECIAL INSTRUCTIONS / REASONS FOR DELAY _____

GENERATOR CERTIFICATION:

"I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations." I also certify that all times listed above are true and correct.

Print Name Scott Tucker for / NYS DEC Signature Scott Tucker / Fo. NYS DEC Date 5-16-06

TRACTOR # 62096 PA TRAILER# BOX SPOTTED# BOX PICKED UP# LINER

TRANSPORTER #1

COMPANY CHEMICAL POLLUTION CONTROL INC PHONE NUMBER 631 586-0333

EPA ID NO. NYD082785429

PRINT NAME X ROBERT PHILIPPEN SIGNATURE _____ DATE 5-16-06

TRANSPORTER #2

COMPANY _____ PHONE NUMBER _____

EPA ID NO. _____

PRINT NAME _____ SIGNATURE _____ DATE _____

TSDF ARRIVAL TIME _____

TSDF DEPARTURE TIME _____

DELAY TIME _____

FINISH TIME _____

REASON FOR DELAY _____

CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. NYD082785429

CONSIGNED TO CHEMICAL POLLUTION CONTROL ADDRESS 120 SOUTH FOURTH ST.

CITY BAYSHORE STATE NY ZIP 11706 PHONE 631 586-0333

THIS IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL

PRINT NAME Joan Parker SIGNATURE Joan Parker DATE 05/16/06

White - GENERATOR FILE
Blue - TRANSPORTER FILE

Bill of Lading 08/02

BILL OF LADING

PHILIP SERVICES CORP.

120 South Fourth Street
Bayshore, NY 11706

B/L Number 91303

DATE OF PICKUP 9-8-06 EPA IDENTIFICATION CODE NO. NYD061972105

GENERATOR NYSDEC-JIMMY'S CLEANERS ADDRESS 61 NASSAU RD

CITY ROOSEVELT STATE NY ZIP 11575 PHONE 516 867-9589

CONTACT: BROKER: O'BRIEN & GERE

	US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers No.	Containers Type	Total Quantity	Unit Wt./Vol.	Waste No.
a.	NON DOT/NON RCRA REGULATED LIQUID NOT DOT REGULATED	010	DF	550	G	N/A
b.	NON DOT/NON RCRA REGULATED SOLID NOT DOT REGULATED	014	DM	11200	P	N/A
c.						
d.						

Additional Information/Lab Code

a 5D15439 B c

b 5D15440 L d

Emergency Phone# 631 · 586-0333

CONTRACT/PO NO.

NO. OF OVERPACKS USED

START TIME

ARRIVAL AT CUSTOMER

DEPARTED CUSTOMER

DELAY TIME

SPECIAL INSTRUCTIONS / REASONS FOR DELAY

GENERATOR CERTIFICATION:

"I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations." I also certify that all times listed above are true and correct.

Print Name Dan Simpson for NYSDEC Signature [signature] for NYSDEC Date 9-8-06

TRACTOR # 122-1084 TRAILER# BOX SPOTTED# BOX PICKED UP# LINER

TRANSPORTER #1

COMPANY CHEMICAL POLLUTION CONTROL INC PHONE NUMBER 631 586-0333

EPA ID NO. NYD082785429

PRINT NAME Dwayne Dorsett SIGNATURE [signature] DATE 9-8-06

TRANSPORTER #2

COMPANY PHONE NUMBER

EPA ID NO.

PRINT NAME SIGNATURE DATE

TSDF ARRIVAL TIME

TSDF DEPARTURE TIME

DELAY TIME

FINISH TIME

REASON FOR DELAY

CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. NYD082785429

CONSIGNED TO CHEMICAL POLLUTION CONTROL ADDRESS 120 SOUTH FOURTH ST.

CITY BAYSHORE STATE NY ZIP 11706 PHONE 631 586-0333

THIS IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL

PRINT NAME Joan Parker SIGNATURE [signature] DATE 09/08/06

White - GENERATOR FILE
Blue - TRANSPORTER FILE
Green - PSC DOCUMENT DEPARTMENT FILE

Bill of Lading
08/02
5M

BILL OF LADING

PHILIP SERVICES CORP.

120 South Fourth Street
Bayshore, NY 11706

B/L Number 104798

DATE OF PICKUP 7/26/07 EPA IDENTIFICATION CODE NO. NYD061972105

GENERATOR NYSDEC-JIMMY'S CLEANERS ADDRESS 61 NASSAU RD

CITY ROOSEVELT STATE NY ZIP 11575 PHONE 516 867-9589

CONTACT: O'BRIEN & GERE BROKER:

	US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers No.	Containers Type	Total Quantity	Unit Wt./Vol.	Waste No.
a.	NON DOT/NON RCRA REGULATED SOLID NOT DOT REGULATED	040	DM	24000	P	N/A
b.						
c.						
d.						

Additional Information/Lab Code
5D15440 L

a c

b d

Emergency Phone# 631 586-0333

CONTRACT/PO NO.

NO. OF OVERPACKS USED

START TIME

ARRIVAL AT CUSTOMER

DEPARTED CUSTOMER

DELAY TIME

SPECIAL INSTRUCTIONS / REASONS FOR DELAY

GENERATOR CERTIFICATION:
"I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations." I also certify that all times listed above are true and correct.

Print Name Dan Simpson (For NYSDEC) Signature Dan Simpson (For NYSDEC) Date 7/26/07

TRACTOR # D27088 TRAILER# BOX SPOTTED# BOX PICKED UP# LINER

TRANSPORTER #1 CHEMICAL POLLUTION CONTROL INC PHONE NUMBER 631 586-0333

COMPANY EPA ID NO. NYD082785429

PRINT NAME Dwayne Daggett SIGNATURE Dwayne Daggett DATE 7/26/07

TRANSPORTER #2 PHONE NUMBER

COMPANY EPA ID NO.

PRINT NAME SIGNATURE DATE

TSDF ARRIVAL TIME

TSDF DEPARTURE TIME

DELAY TIME

FINISH TIME

REASON FOR DELAY

CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. NYD082785429

CONSIGNED TO CHEMICAL POLLUTION CONTROL ADDRESS 120 SOUTH FOURTH ST.

CITY BAYSHORE STATE NY ZIP 11706 PHONE 631 586-0333

THIS IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL

PRINT NAME SIGNATURE DATE

White - GENERATOR FILE
Blue - TRANSPORTER FILE
Green - PSC DOCUMENT DEPARTMENT FILE

BILL OF LADING

PHILIP SERVICES CORP.

120 South Fourth Street
Bayshore, NY 11706

B/L Number 105387

DATE OF PICKUP ____ EPA IDENTIFICATION CODE NO. NYD061972105
GENERATOR NYSDEC--JIMMY'S CLEANERS ADDRESS 61 NASSAU RD
CITY ROOSEVELT STATE NY ZIP 11575 PHONE 516 867-9589
BROKER: O'BRIEN & GERE
CONTACT: ____

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers No.	Containers Type	Total Quantity	Unit Wt./Vol.	Waste No.
a. NON DOT/NON RCRA REGULATED LIQUID NOT DOT REGULATED	5	DF	2000	P	N / A
b. NON DOT/NON RCRA REGULATED SOLID NOT DOT REGULATED	5	DM	2000	P	N / A
c. NON DOT/NON RCRA REGULATED LIQUID NOT DOT REGULATED	7	DF	[illegible]	P	N / A
d.					

Additional Information/Lab Code
a 5D13289 T
b 5D15440 L
c 5D15439
d

Emergency Phone# [illegible]

CONTRACT/PO NO. ____
NO. OF OVERPACKS USED ____
START TIME ____
ARRIVAL AT CUSTOMER ____
DEPARTED CUSTOMER ____
DELAY TIME ____

SPECIAL INSTRUCTIONS / REASONS FOR DELAY ____

GENERATOR CERTIFICATION:
"I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations." I also certify that all times listed above are true and correct.
Print Name Dan Simpson Signature [signature] for NYSDEC Date 8/[illegible]/07 Date + Sign Here

TRACTOR # ____ TRAILER# ____ BOX SPOTTED# ____ BOX PICKED UP# ____ LINER ____

TRANSPORTER #1 COMPANY CHEMICAL POLLUTION CONTROL INC PHONE NUMBER 631 586-0333
EPA ID NO. NYD082785429
PRINT NAME [signature] SIGNATURE [signature] DATE 8 [illegible] 07

TRANSPORTER #2 COMPANY ____ PHONE NUMBER ____
EPA ID NO. ____
PRINT NAME ____ SIGNATURE ____ DATE ____

TSDF ARRIVAL TIME ____
TSDF DEPARTURE TIME ____
DELAY TIME ____
FINISH TIME ____

REASON FOR DELAY ____

CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. NYD082785429
CONSIGNED TO CHEMICAL POLLUTION CONTROL ADDRESS 120 SOUTH FOURTH ST.
CITY BAY SHORE STATE NY ZIP 11706 PHONE 631 586 0333
THIS IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL
PRINT NAME [illegible] SIGNATURE [signature] DATE [illegible]

White - GENERATOR FILE

BILL OF LADING

PHILIP SERVICES CORP.

120 South Fourth Street
Bayshore, NY 11706

B/L Number 106204

DATE OF PICKUP 8/23/07 EPA IDENTIFICATION CODE NO. NYD061972105

GENERATOR NYSDEC--JIMMY'S CLEANERS ADDRESS 61 NASSAU RD

CITY ROOSEVELT STATE NY ZIP 11575 PHONE 516 867-9589

CONTACT: BROKER: O'BRIEN & GERE

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers No.	Containers Type	Total Quantity	Unit Wt./Vol.	Waste No.
a. NON DOT/NON RCRA REGULATED LIQUID NOT DOT REGULATED	0030	DF	1650	G	N/A
b.					
c.					
d.					

Additional Information/Lab Code

a 5D15439 B c

b d

Emergency Phone# 631 596-0333

CONTRACT/PO NO.

NO. OF OVERPACKS USED

START TIME

ARRIVAL AT CUSTOMER

DEPARTED CUSTOMER

DELAY TIME

SPECIAL INSTRUCTIONS / REASONS FOR DELAY

GENERATOR CERTIFICATION:
"I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations." I also certify that all times listed above are true and correct

Print Name Carlos Pena Signature CP agent of NYSDEC Date 8/23/07

TRACTOR # 7895 TRAILER# BOX SPOTTED# BOX PICKED UP# LINER

TRANSPORTER #1

COMPANY CHEMICAL POLLUTION CONTROL INC PHONE NUMBER 631 586-0333

EPA ID NO. NYD082785429

PRINT NAME Dwayne Daggett SIGNATURE Dwayne Daggett DATE 8/23/07

TRANSPORTER #2

COMPANY PHONE NUMBER

EPA ID NO.

PRINT NAME SIGNATURE DATE

TSDF ARRIVAL TIME

TSDF DEPARTURE TIME

DELAY TIME

FINISH TIME

REASON FOR DELAY

CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. NYD082785429

CONSIGNED TO CHEMICAL POLLUTION CONTROL ADDRESS 120 SOUTH FOURTH ST.

CITY BAYSHORE STATE NY ZIP 11706 PHONE 631 586-0333

THIS IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL

PRINT NAME Andrew Madfes SIGNATURE Andrew Madfes DATE 8/23/07

White - GENERATOR FILE
Blue - TRANSPORTER FILE
Green - PSC DOCUMENT DEPARTMENT FILE

BILL OF LADING

PHILIP SERVICES CORP.

B/L Number ____

DATE OF PICKUP ____ EPA IDENTIFICATION CODE NO. NYD061972105

GENERATOR NYS Dec - Jimmy's Cleaner ADDRESS 61 Nassau Rd

CITY Roosevelt STATE N.Y. ZIP 11575 PHONE 516-567-9589

CONTACT: ____ BROKER: O'Brien & Gere

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers No.	Containers Type	Total Quantity	Unit Wt./Vol.	Waste No.
a. Non Dot/Non RCRA Regulated Liquid not DOT Regulated	15	DM	825	G	N/A
b. Non DOT/Non RCRA Regulated Solid not DOT Regulated	002	DM	600	P	N/A
c.					
d.					

Additional Information/Lab Code

a SD15439

b SD13289

c

d

Emergency Phone# 631-586-0333

CONTRACT/PO NO. ____

NO. OF OVERPACKS USED ____

START TIME ____

ARRIVAL AT CUSTOMER ____

DEPARTED CUSTOMER ____

DELAY TIME ____

SPECIAL INSTRUCTIONS / REASONS FOR DELAY ____

GENERATOR CERTIFICATION:

"I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations." I also certify that all times listed above are true and correct.

Print Name Carlos Pena Signature C P agent of NYSDEC Date 8-23-07

TRACTOR # 78958PA TRAILER# ____ BOX SPOTTED# ____ BOX PICKED UP# ____ LINER ____

TRANSPORTER #1

COMPANY Chemical Pollution Control Inc PHONE NUMBER ____

EPA ID NO. NYD082785429

PRINT NAME Dwayne Dowell SIGNATURE Dwayne Dowell DATE 8-23-07

TRANSPORTER #2

COMPANY ____ PHONE NUMBER ____

EPA ID NO. ____

PRINT NAME ____ SIGNATURE ____ DATE ____

TSDF ARRIVAL TIME ____

TSDF DEPARTURE TIME ____

DELAY TIME ____

FINISH TIME ____

REASON FOR DELAY ____

CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. NYD082785429

CONSIGNED TO Chemical Pollution Control ADDRESS 120 South Fourth St

CITY Bay Shore STATE N.Y. ZIP 11706 PHONE 631-586-0333

THIS IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL

PRINT NAME Andrew Mattes SIGNATURE Andrew Mattes DATE 8/23/07

White - GENERATOR FILE
Blue - TRANSPORTER FILE
Green - PSC DOCUMENT DEPARTMENT FILE

Bill of Lading 08/02 5M

APPENDIX Y

Electronic Files for Project Summary Report